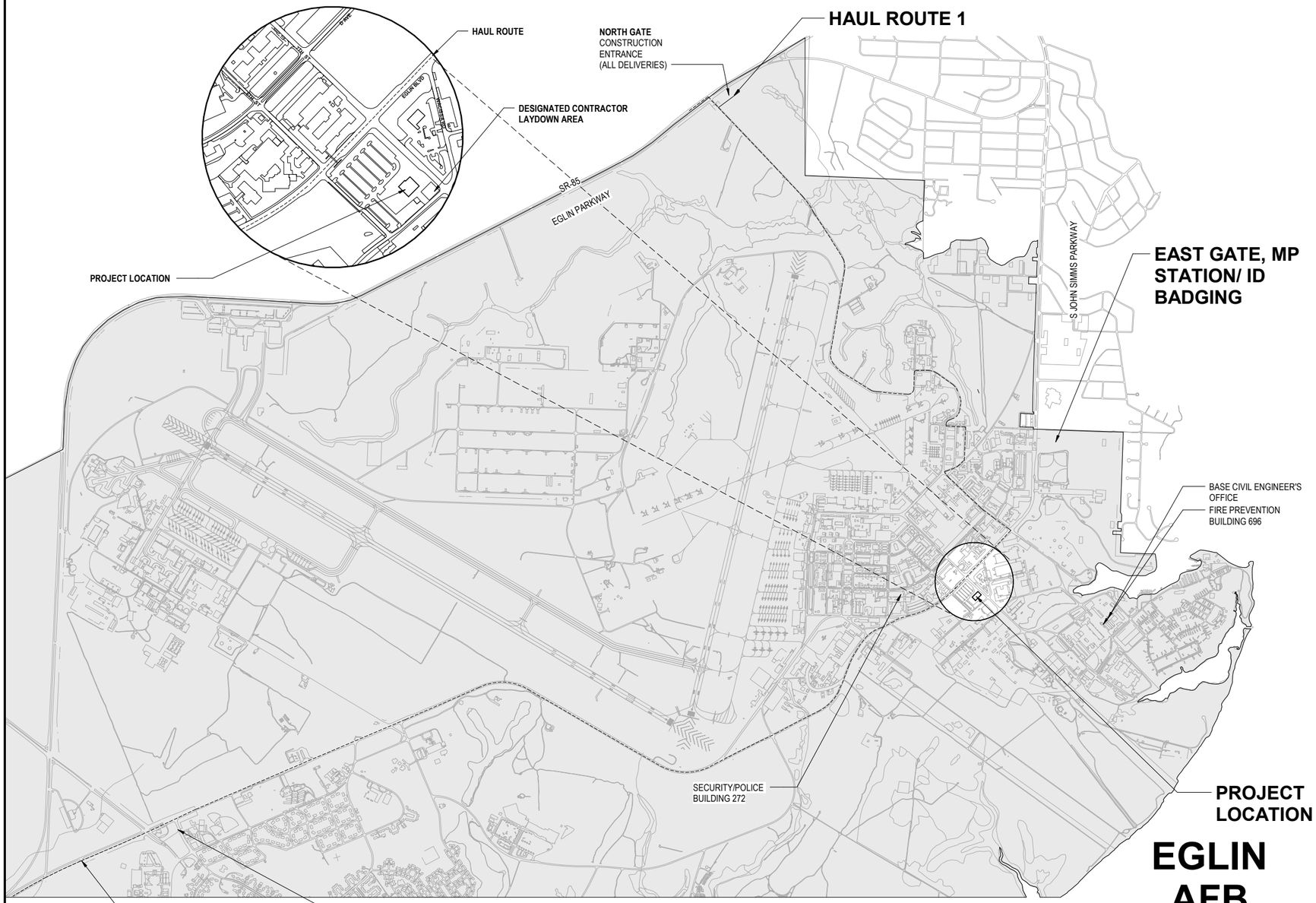
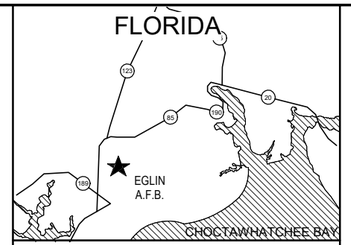
ADDITION AND RENOVATION B521
EGLIN AFB, FLORIDA
SOLICITATION #XXXXXXXXXXXXXXXXXX
FTFA 23-MM06



1 G-001 SITE LOCATION MAP
1" = 100'-0"

65% DESIGN SUBMITTAL

VICINITY MAP



VICINITY MAP ENLARGEMENT

GENERAL NOTES:

1. NORTH GATE CONSTRUCTION ACCESS - PRIMARY CONSTRUCTION ENTRANCE GATE SHALL BE OPEN MONDAY - SATURDAY EXCLUDING HOLIDAYS. NO SUNDAY DELIVERIES ARE ALLOWED. ALL DELIVERY TRUCKS MUST HAVE A BILL OF LADING IDENTIFYING THE CONTRACTOR, CONTRACT NUMBER, AND LIST OF MATERIALS. ANY SPECIAL DELIVERIES SHALL BE SUBMITTED IN WRITING TO THE CONTRACTING OFFICER 5 DAYS IN ADVANCE, AND SECURITY FORCES SHALL BE NOTIFIED 72 HOURS IN ADVANCE, NOT ALL REQUESTS MAY BE GRANTED.
2. CONTRACTORS AND SUPPLIERS WITH CONTRACTOR EQUIPMENT SHALL ENTER BASE THROUGH THE NORTH GATE. ALL OTHER CONSTRUCTION WORKER TRAFFIC CAN ENTER THROUGH THE EAST OR WEST GATE.
3. ALL CONTRACTOR DELIVERIES MUST BE INSPECTED AT THE NORTH GATE (WHICH IS A ONE WAY ONLY GATE) PRIOR TO ARRIVAL AT THE PROJECT SITE.
4. ALL CONSTRUCTION TRAFFIC SHALL EXIT THROUGH THE EXISTING EAST OR WEST GATES.
5. THE CONTRACTOR AND EGLIN CONTRACTING OFFICERS REPRESENTATIVE SHALL DOCUMENT THE EXISTING CONDITIONS OF THE HAUL ROUTE THROUGH THE BASE PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DAMAGES TO THE HAUL ROUTE ROAD(S) SHALL BE REPAIRED TO THE SATISFACTION OF THE CONTRACTING OFFICER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
6. DISPOSAL AREAS FOR RUBBLE, UNSUITABLE EXCESS SOIL MATERIALS, OR OTHER CONSTRUCTION DEBRIS ARE NOT AVAILABLE ON THE BASE FOR THE CONTRACTOR'S USE, DISPOSAL IS THE RESPONSIBILITY OF THE CONTRACTOR AT SITES OFF GOVERNMENT CONTROLLED LANDS.
7. BORROW SITES ARE NOT AVAILABLE FOR USE BY THE CONTRACTOR ON THE BASE. ALL BORROW MATERIALS, TOPSOIL, OR OTHER SOIL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR FROM COMMERCIAL SOURCES FROM OFF-SITE LOCATIONS AND APPROVED BY THE GOVERNMENT.
8. CONTRACTOR STAGING, STOCKPILE/LAYDOWN AREAS SHALL BE RETURNED TO ORIGINAL CONDITIONS AS APPROVED BY CONTRACTING OFFICER'S REPRESENTATIVE AT THE COMPLETION OF CONSTRUCTION.
9. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN HERIN FOR THE ENTIRE PROJECT AREA, LAYDOWN/STOCKPILE AREA SHOWN AND/OR UTILIZED, AND SHALL BE REQUIRED TO IMPLEMENT ANY NECESSARY CHANGES TO THE INSTALLED BEST MANAGEMENT PRACTICES AS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE. THE CONTRACTOR SHALL ADD BEST MANAGEMENT PRACTICES AS NECESSARY BASED ON CONSTRUCTION AS APPROVED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

REVISION	DATE	DESCRIPTION	BY	APPR'D

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

AS-BUILT
DATE
SIGNATURE

DRAWN BY M. NOELL
PROJ. ENGR. L. SAWYER

TITLE: ADDITION AND RENOVATION B521

CONTENTS: TITLE SHEET

APPROVED SECURITY FORCES	APPROVED FIRE PREVENTION	APPROVED SAFETY REPRESENTATIVE	APPROVED DIR. BASE MED. SERVICE
APPROVED ASUS	APPROVED USING AGENCY	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. G-001	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN

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23AH	FTFA 23-MM06			

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65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY M. NOELL
PROJ. ENGR. J. SAWYER
DATE
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APPROVED DEPUTY BASE CIVIL ENGINEER

TITLE: ADDITION AND RENOVATION B521

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PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
DATE 13 MARCH 2024
SCALE AS SHOWN
SHEET OF

SECURE AREA A CONSTRUCTION - GENERAL NOTES

WORK OF THIS CONTRACT INCLUDES THE RENOVATION OF SECURE AREA IN ACCORDANCE WITH DoDM 5200.01 VOL. 3, APPENDIX TO ENCLOSURE 3 PHYSICAL SECURITY STANDARDS, DATED FEBRUARY 24, 2012. THE RELATED BUILDING SYSTEMS AND ASSEMBLIES HAVE BEEN DESIGNED TO MEET THIS CRITERIA AND SHALL BE CONSTRUCTED AND INSTALLED BY THIS CONTRACT IN ACCORDANCE WITH THIS SAME CRITERIA. REFER TO SPECIFICATION SECTION 01 00 00 AND 01 11 00 FOR ADDITIONAL REQUIREMENTS. THE FOLLOWING PROVIDES ADDITIONAL GENERAL REQUIREMENTS AND DETAILED INFORMATION TO SUPPLEMENT THE DRAWING AND TECHNICAL SPECIFICATION REQUIREMENTS RELATED TO THE CONSTRUCTION OF THE SECURE AREAS OF THIS CONTRACT.

1. CONTRACTOR SHALL SCHEDULE AND COORDINATE THE SEQUENCE OF INSTALLATION OF ALL SECURE AREA PERIMETER WITH THE CONTRACTING OFFICER TECHNICAL REPRESENTATIVE (COTR) TO PROVIDE ADVANCE NOTIFICATION AND ACCESS TO BUILDING ASSEMBLIES AND SYSTEMS THAT ARE PART OF THE DESIGNATED SECURE AREA(S) FOR GOVERNMENT SECURITY INSPECTORS TO PERFORM REQUIRED INSPECTIONS, DOCUMENTATION AND TESTING DURING VARIOUS STAGES OF CONSTRUCTION OF SECURE AREA CONSTRUCTION BEFORE BEING CONCEALED BY OTHER WORK OF THIS CONTRACT. THESE ASSEMBLIES INCLUDE, BUT NOT LIMITED TO; SECURITY PERIMETER WALLS, FLOOR/CEILING, ROOF/CEILING, AND ALL PENETRATIONS THROUGH THE SECURE PERIMETER.
2. WHERE INDICATED FOR CONSTRUCTION TO BE SEALED, SEALING SHALL BE ACCOMPLISHED USING SEALANT TO FILL ALL GAPS, HOLES AND SPACES AT ALL JUNCTIONS, PERIMETER AND PENETRATIONS THROUGH THE SECURITY ASSEMBLIES (WALL, FLOOR, AND CEILING – 6 SIDED BOX). FIRE SEALANT AT FIRE RATED CONSTRUCTION CONDITIONS WHEN REQUIRED. ALL OTHER MATERIALS ARE UNACCEPTABLE.
3. PROJECT INCLUDES WALLS THAT ARE COMPOSED OF SEVERAL WALL ASSEMBLY TYPES THAT REQUIRE THE CONTRACTOR TO SEQUENCE THE INSTALLATION WITH THE FOLLOWING ORDER OF PRECEDENCE FOR TERMINATIONS AT INTERSECTIONS AND PERIMETERS AND SEALING OF PENETRATIONS; FIRE, SOUND, AND NON-FIRE OR SOUND RATED ASSEMBLIES.
4. ALL PENETRATIONS THROUGH SECURE AREA SECURITY WALLS SHALL BE COMPLETELY SEALED ON BOTH SIDES OF THE PENETRATION WITH SEALANT AT NON-FIRE RATED CONDITIONS AND FIRE CAULK AT FIRE RATED ASSEMBLIES. PENETRATIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: CONDUITS, PIPING, DUCTWORK, RACEWAYS, STRUCTURAL COMPONENTS, ETC. IF SEALING OF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES ONLY REQUIRES FIRE CAULKING ON ONE SIDE OF THE PENETRATION THE OTHER SIDE SHALL BE SEALED WITH SEALANT.
5. ALL WALL AND CEILING SURFACES THAT FORM THE SECURE AREA PERIMETER SHALL BE PAINTED ABOVE LAY-IN ACOUSTICAL CEILINGS. GYPSUM WALLBOARD SURFACES SHALL HAVE JOINTS TAPED, FINISHED AND PAINTED TO PROVIDE A UNIFORM APPEARANCE.
6. ALL WALLS AND CEILING SURFACES WITHIN THE SECURE AREA PERIMETER SHALL BE PAINTED ABOVE LAY-IN ACOUSTICAL CEILINGS. GYPSUM WALLBOARD SURFACES SHALL HAVE JOINTS TAPED, FINISHED AND PAINTED TO PROVIDE A UNIFORM APPEARANCE.

SECURE AREA B AND B1 CONSTRUCTION - GENERAL NOTES

WORK OF THIS CONTRACT INCLUDES THE CONSTRUCTION OF SECURE AREAS IN ACCORDANCE WITH UFC 4-010-05 SENSITIVE COMPARTMENTED INFORMATION FACILITIES PLANNING, DESIGN, CONSTRUCTION (1 FEB 2013, CHANGE 2 16 JUNE 2022); AND TECHNICAL SPECIFICATIONS FOR THE CONSTRUCTION AND MANAGEMENT OF SENSITIVE COMPARTMENTED INFORMATION FACILITIES, VERSION 1.5.1 IC TECH SPEC-FOR ICD/ICS 705 (26 JULY 2021). THE RELATED BUILDING SYSTEMS AND ASSEMBLIES HAVE BEEN DESIGNED TO MEET THIS CRITERIA AND SHALL BE CONSTRUCTED AND INSTALLED BY THIS CONTRACT IN ACCORDANCE WITH THIS SAME CRITERIA. REFER TO SPECIFICATION SECTION 07 21 56, 01 11 00, AND DRAWING DETAILS FOR ADDITIONAL REQUIREMENTS. THE FOLLOWING PROVIDES ADDITIONAL GENERAL REQUIREMENTS AND DETAILED INFORMATION TO SUPPLEMENT THE DRAWING AND TECHNICAL SPECIFICATION REQUIREMENTS RELATED TO THE CONSTRUCTION OF NEW SECURE AREA B1 ADDITION AND MINIMAL RENOVATIONS TO EXISTING SECURE AREA B OF THIS CONTRACT. SEE SHEET RF-501 FOR REFERENCED AREAS.

1. CONTRACTOR SHALL SCHEDULE AND COORDINATE THE SEQUENCE OF INSTALLATION OF ALL SECURE AREA PERIMETER WITH THE CONTRACTING OFFICER TECHNICAL REPRESENTATIVE (COTR) TO PROVIDE ADVANCE NOTIFICATION AND ACCESS TO BUILDING ASSEMBLIES AND SYSTEMS THAT ARE PART OF THE DESIGNATED SECURE AREA(S) FOR GOVERNMENT SECURITY INSPECTORS TO PERFORM REQUIRED INSPECTIONS, DOCUMENTATION AND TESTING DURING VARIOUS STAGES OF CONSTRUCTION OF SECURE AREA CONSTRUCTION BEFORE BEING CONCEALED BY OTHER WORK OF THIS CONTRACT. THESE ASSEMBLIES INCLUDE, BUT NOT LIMITED TO; SECURITY PERIMETER WALLS, FLOOR/CEILING, AND ALL PENETRATIONS THROUGH THE SECURE PERIMETER.
2. SECURITY STC RATED WALLS, AND FLOOR/CEILING ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TESTED ASSEMBLY IDENTIFIED ON THE DRAWINGS AS THE "BASIS OF DESIGN" (OR APPROVED EQUAL) AND OTHER ADDITIONAL REQUIREMENTS IDENTIFIED ON THE DRAWINGS AND SPECIFICATIONS THAT MAY NOT BE SPECIFICALLY ADDRESSED IN THE TEST DATA SUCH AS; SEALING OF THE ASSEMBLY PERIMETER AT JUNCTION WITH OTHER SOUND RATED AND NON-SOUND RATED ASSEMBLIES, SEALING ALL PENETRATIONS, AND MODIFICATIONS TO ENHANCE PHYSICAL SECURITY PERFORMANCE (IE: STUD GAGE AND SPACING, ETC.).
3. WHERE INDICATED FOR CONSTRUCTION TO BE SEALED, SEALING SHALL BE ACCOMPLISHED USING ACOUSTICAL SEALANT TO FILL ALL GAPS, HOLES AND SPACES AT ALL JUNCTIONS, PERIMETER AND PENETRATIONS THROUGH THE SECURITY ASSEMBLIES (WALL, FLOOR, AND CEILING – 6 SIDED BOX). FIRE SEALANT AT FIRE RATED CONSTRUCTION CONDITIONS WHEN REQUIRED, OTHERWISE SHALL BE ACOUSTICAL SEALANT. ALL OTHER MATERIALS ARE UNACCEPTABLE.
4. STC RATED ASSEMBLIES SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS, REQUIREMENTS AND DETAILS FOR SOUND RATED AND FIRE RATED ASSEMBLIES.
5. STC RATED ASSEMBLIES IDENTIFIED ON THE DRAWINGS INDICATE "MINIMUM" STC RATINGS WHICH ARE THE REQUIRED MINIMUMS TO MEET PHYSICAL SECURITY STANDARDS, BUT HAVE BEEN DESIGNED USING HIGHER STC RATED ASSEMBLIES AS INDICATED ON THE DRAWINGS WITH TEST NUMBERS. THE CONTRACTOR SHALL CONSTRUCT THE STC RATED ASSEMBLIES TO MEET THE STATED "MINIMUM" STC RATING THAT WILL BE FIELD TESTED BY THE GOVERNMENT TO VERIFY THE MINIMUM STC RATING IS ACHIEVED.
6. EVALUATION OF STC RATED ASSEMBLIES THAT ARE DIFFERENT FROM THE "BASIS OF DESIGN" STC ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH ASTM E90 AND ASTM E413 TO ESTABLISH THE STC RATING OF THE ASSEMBLY.
7. PROJECT INCLUDES WALLS THAT ARE COMPOSED OF SEVERAL WALL ASSEMBLY TYPES THAT REQUIRE THE CONTRACTOR TO SEQUENCE THE INSTALLATION WITH THE FOLLOWING ORDER OF PRECEDENCE FOR TERMINATIONS AT INTERSECTIONS AND PERIMETERS AND SEALING OF PENETRATIONS; FIRE, SOUND, AND NON-FIRE OR SOUND RATED ASSEMBLIES.
8. STC RATED DOOR ASSEMBLIES SHALL MEET SPECIFIED TESTING CRITERIA AND INSTALLED IN ACCORDANCE WITH THE TEST DATA AND MANUFACTURER'S INSTRUCTION AND CRITERIA.
9. ALL PENETRATIONS THROUGH SECURE AREA SECURITY WALLS AND STC RATED WALLS SHALL BE COMPLETELY SEALED ON BOTH SIDES OF THE PENETRATION WITH ACOUSTICAL SEALANT AT NON-FIRE RATED CONDITIONS AND FIRE CAULK AT FIRE RATED ASSEMBLIES. PENETRATIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: CONDUITS, PIPING, DUCTWORK, RACEWAYS, STRUCTURAL COMPONENTS, ETC. IF SEALING OF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES ONLY REQUIRES FIRE CAULKING ON ONE SIDE OF THE PENETRATION THE OTHER SIDE SHALL BE SEALED WITH ACOUSTICAL SEALANT.
10. SEAL BOTH SIDES OF THE STC RATED GYPSUM WALLBOARD AND METAL STUD PERIMETER WALLS WITH ACOUSTICAL SEALANT AT JUNCTURE WITH FLOOR SLAB, ADJACENT WALLS, AND STC FLOOR/CEILING ASSEMBLIES. FIRE RATED WALL ASSEMBLIES SHALL EXTEND TO THE ROOF DECK AND SEALED WITH FIRE SEALANT.
11. GYPSUM WALLBOARD / METAL STUD SECURITY WALL ASSEMBLY ADDITIONAL REQUIREMENTS:
    - A. METAL WALL STUDS, BOTTOM TRACK AND TOP TRACK SHALL BE MINIMUM 16 GAUGE STEEL (0.0538 INCH THICK BARE METAL). SHAFTWALL FRAMING SHALL BE 16 GAUGE STEEL (0.0538 INCH THICK BARE METAL).
    - B. METAL WALL STUD FRAMING BOTTOM TRACK AND TOP TRACKS SHALL BE ATTACHED WITH ANCHORS AT 32" O.C. MAXIMUM (CLOSER IF REQUIRED BY TESTING) AND SET IN TWO ROWS OF CONTINUOUS ACOUSTICAL SEALANT. COMPLETELY FILL VOIDS BETWEEN TOP TRACK AND DECK WITH FIRE SAFING MATERIAL OR NON-SHRINK GROUT.
    - C. ACOUSTIC INSULATION SHALL BE INSTALLED TIGHT BETWEEN METAL STUDS AND FASTENED IN A MANNER TO KEEP THE INSULATION FROM SLIDING DOWN LEAVING A VOID AT THE TOP OF THE WALL ASSEMBLY.
12. GYPSUM WALLBOARD SHAFTWALL SECURITY WALL ASSEMBLY ADDITIONAL REQUIREMENTS:
    - A. METAL FRAMING SHALL BE MINIMUM 16 GAUGE STEEL (0.0538 INCH THICK BARE METAL).
    - B. BOTTOM TRACK AND TOP TRACK RUNNERS SHALL BE ATTACHED WITH ANCHORS AT 32" O.C. MAXIMUM (CLOSER IF REQUIRED BY TESTING) AND SET IN TWO ROWS OF CONTINUOUS ACOUSTICAL SEALANT (FIRE CAULK IF A FIRE RATED ASSEMBLY), PROVIDE FIRE SAFING MATERIAL TO FILL VOIDS BETWEEN TRACK AND CORRUGATION OF DECK.
    - C. ACOUSTIC INSULATION SHALL BE INSTALLED TIGHT BETWEEN STUDS AND FASTENED IN A MANNER TO KEEP THE INSULATION FROM SLIDING DOWN LEAVING A VOID AT THE TOP OF THE WALL ASSEMBLY.
13. ALL WALL AND CEILING SURFACES THAT FORM THE SECURE AREA PERIMETER SHALL BE PAINTED, INCLUDING LOCATIONS ABOVE LAY-IN ACOUSTICAL CEILINGS. GYPSUM WALLBOARD SURFACES SHALL HAVE JOINTS TAPED, FINISHED AND PAINTED TO PROVIDE A UNIFORM APPEARANCE.
14. ALL WALLS AND CEILING SURFACES WITHIN THE SECURE AREA PERIMETER SHALL BE PAINTED, INCLUDING LOCATIONS ABOVE LAY-IN ACOUSTICAL CEILINGS. GYPSUM WALLBOARD SURFACES SHALL HAVE JOINTS TAPED, FINISHED AND PAINTED TO PROVIDE A UNIFORM APPEARANCE.
15. UTILITIES AT SECURITY WALLS - ALL ELECTRICAL SYSTEM PATHWAYS (CONDUITS AND BOXES), PIPING, AND OTHER BUILDING SYSTEMS SHALL BE SURFACE MOUNTED TO THE SECURITY WALL ASSEMBLY (DO NOT INSTALL WITHIN THE SECURITY WALL ASSEMBLY, PAINT ALL SURFACE MOUNTED ITEMS).

COMMUNICATIONS, DATA AND AV SYSTEM PATHWAYS AND WIRING SHALL BE SURFACE MOUNTED (EXPOSED) AT ALL SECURE AREA LOCATIONS AND CONDITIONS FOR SECURITY INSPECTION PURPOSES (REFER TO TELECOMMUNICATION AND AV DRAWINGS FOR MORE SPECIFIC INFORMATION). AT FRANGIBLE WALL LOCATIONS, SYSTEMS TO BE SURFACE MOUNTED BEHIND FRANGIBLE WALLS.

16. UTILITIES AT SECURITY CEILING ASSEMBLIES - ALL ELECTRICAL AND COMMUNICATIONS SYSTEM PATHWAYS (CONDUITS AND BOXES), PIPING, AND OTHER BUILDING UTILITY SYSTEMS SHALL ONLY BE SURFACE MOUNTED BELOW OR SUSPENDED BELOW THE SECURITY CEILING ASSEMBLY (DO NOT INSTALL WITHIN THE SECURITY CEILING ASSEMBLY). THE ONLY ITEMS PERMITTED TO BE INSTALLED WITHIN THE SECURITY CEILING ASSEMBLY ARE LIMITED TO THE FOLLOWING: STRUCTURAL FLOOR COMPONENTS, UTILITY SUSPENSION SYSTEM COMPONENTS (IE: UNI-STRUT) TO SUPPORT UTILITIES BELOW THE SECURITY CEILING ASSEMBLY. PAINT ALL SURFACE MOUNTED ITEMS.
17. PENETRATIONS THRU RF SHIELDING SHALL BE SEALED WITH RF FOIL ADHESIVE TAPE. LAPPED 6" ONTO ADJACENT RF SHIELDING AND PENETRATION PIPE/CONDUIT TO MINIMIZE RF EMANATIONS.
18. COMMON USE UTILITY SUPPORT SYSTEM (SECURE AREA B1 CEILING)
    - A. PROVIDE A COMMON USE UTILITY SUPPORT SYSTEM (IE: UNI-STRUT) IN A 4'x4' GRID PATTERN FOR ALL BUILDING UTILITY SYSTEMS (IE: DUCTWORK, LIGHTS, SPRINKLER PIPING, CABLE TRAY, FIRE ALARMS/MNS, ETC.) WITH SUPPORT RODS HUNG FROM THE ROOF STRUCTURAL FRAMING AND PENETRATE THROUGH THE STC CEILING / RF ROIL SHIELDING SYSTEM TO MINIMIZE DUPLICATION OF SUPPORT SYSTEMS TO MAXIMIZE OVERHEAD CLEARANCE IN THIS AREA. DO NOT ATTACH COMMON USE SUPPORT SYSTEM THREADED RODS TO THE STC/RF SHIELDING CEILING LIGHT GAUGE STEEL FRAMING AS THIS FRAMING IS NOT DESIGNED TO SUPPORT BUILDING SYSTEMS.
    - B. THE DESIGN INTENT IS TO MINIMIZE PENETRATIONS THROUGH THE RF SHIELDING USING A COMMON USE UTILITY SUPPORT SYSTEM (IE: UNI-STRUT) TO SUPPORT ALL BUILDING SYSTSMS (IE: DUCTWORK, PIPING, CONDUITS AND BOXES, CABLE TRAY, LIGHTS, ACT CEILING GRID HANGAR WIRE, ETC.). THE COMMON USE UTILITY SUPPORT SYSTEM TO BE INSTALLED AS CLOSE TO AND PARALLEL WITH THE STC/RF SHIELDING SYSTEM AS POSSIBLE TO MAXIMIZE SPACE ABOVE THE CEILING. ADDITIONAL SUPPORT SYSTEMS AND COMPONENTS FOR EACH BUILDING SYSTEMS PROVIDED BY EACH SUBCONTRACTOR / TRADE IS ATTACHED TO THE COMMON USE SUPPORT SYSTEM.
    - C. COMMON UTILITY SUPPORT SYSTEM SHALL BE PROVIDED, DESIGNED, ENGINEERED, AND INSTALLED BY THE MECHANICAL SUBCONTRACTOR AS THE TRADE THAT HAS THE MOST SIGNIFICANT AMOUNT OF UTILITIES TO BE SUPPORTED. MECHANICAL SUBCONTRACTOR AND GENERAL CONTRACTOR SHALL COORDINATE THE DESIGN AND INSTALLATION OF THE SUPPORT SYSTEM WITH OTHER SUBCONTRACTOR TRADES TO PROVIDE SUPPORT FOR ALL UTILITY SYSTEMS IN THESE AREAS. MECHANICAL SUBCONTRACTOR AND GENERAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY SUPPORT SYSTEM CONNECTIONS TO / THROUGH THE RF SHIELDING SYSTEM WITH THE RF SHIELDING MANUFACTURER AND INSTALLER. ALL COORDINATION SHALL BE PERFORMED PRIOR TO THE PREPARATION OF SHOP DRAWINGS OF THE UTILITY SUPPORT SYSTEM, UTILITY TRADES AND RF SHIELDING TO ASSURE THE COORDINATION OCCURS WELL IN ADVANCE OF ANY FABRICATION AND INSTALLATION.
    - D. REFER TO DRAWING SECTIONS AND DETAILS THAT SHOW DESIGN INTENT OF COMMON USE UTILITY SUPPORT SYSTEM AND PROTECTION OF PENETRATIONS THROUGH RF SHIELDING SYSTEM,
19. SECURITY / RF SHIELDING:
    - A. ALL BUILDING SYSTEMS, EQUIPMENT, UTILITIES, DUCTWORK, PIPING, CONDUITS AND PATHWAYS, CABLING AND DEVICES SHALL NOT BE INSTALLED WITHIN DESIGNATED SECURITY WALL ASSEMBLIES AND SHALL BE INSTALLED BELOW THE SECURITY STC CEILING / ROOF ASSEMBLY. UTILITIES INTENDED TO BE INSTALLED CONCEALED TO BE INSTALLED IN THE DESIGNATED "FRANGIBLE" PORTION OF THE WALL ASSEMBLY.
    - B. UNI-STRUT UTILITY SUPPORT SYSTEMS THAT PENETRATE THROUGH THE SECURITY AND RF SHIELDED CEILING / ROOF ASSEMBLY SHALL HAVE GROUNDED HANGAR RODS / STRAPS THAT DO NOT TRANSMIT SIGNALS THROUGH THE RF SHIELDING SYSTEMS. REFER TO TYPICAL HANGAR PENETRATION DETAILS.
    - C. LIGHT GAUGE STEEL FRAMING OF THE SECURITY STC CEILING / ROOF ASSEMBLY SHALL NOT BE UTILIZED TO SUPPORT UTILITIES AND UTILITY SUPPORT ASSEMBLIES. ALL UTILITY AND SUPPORTS SHALL BE HUNG FROM THE COMMON USE UNISTRUT SYSTEM.
    - D. ALL PENETRATIONS THROUGH SECURITY WALLS SHALL BE SEALED.
    - E. METALLIC NON-PRESSURE PIPING AND CONDUITS PENETRATING SECURITY AND RF SHIELDED WALLS, FLOORS OR CEILINGS SHALL HAVE NON-METALLIC SEPARATION (DI-ELECTRIC) AND PROTECTED WITH WAVEGUIDES. REFER TO SHIELDING SPECIFICATIONS AND DETAILS PROVIDED.
    - F. PRESSURE PIPING SHALL BE GROUNDED TO THE BUILDING STRUCTURE AND PROTECTED WITH WAVEGUIDES. REFER TO SHIEDLING SPECIFICATIONS AND DETAILS PROVDED.
    - G. METALLIC WIRING AND CABLING PASSING THROUGH THE RF SHIELDING SYSTEM SHALL BE FILTERED AND PROTECTED WITH WAVEGUIDES. REFER TO SHIELDING SPECIFICATIONS AND DETAILS PROVIDED.
    - H. DUCTWORK PENETRATING SECURITY AN RF SHIELDED PERIMETER SHALL HAVE NON-METALLIC SEPARATIONS AND PROTECTED WITH WAVEGUIDES. REFER TO SHIELDING SPECIFICATIONS AND DETAILS PROVIDED.

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE

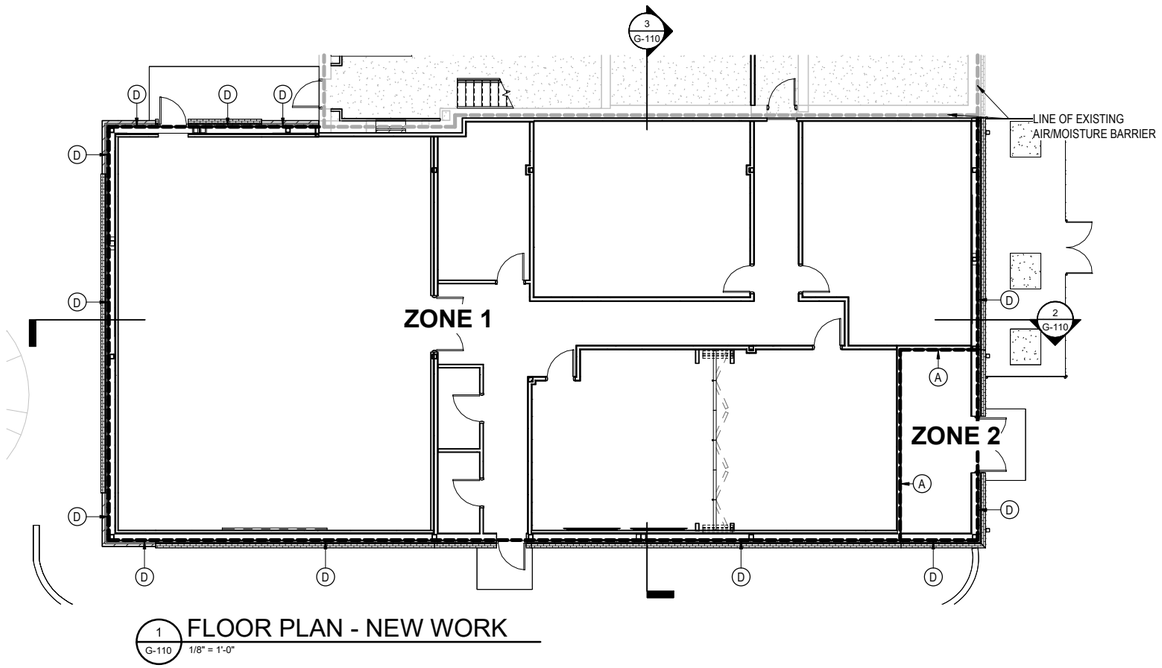
DRAWN BY M. NOELL
PROJ. ENGR. J. SAWYER
APPROVED — FIRE PREVENTION
APPROVED — SAFETY REPRESENTATIVE
APPROVED — DIR. BASE MED. SERVICE
APPROVED — SECURITY FORCES
APPROVED — USING AGENCY
APPROVED — ASUS
APPROVED — COMMUNICATIONS
APPROVED — CHELCO
APPROVED — OPERATIONS ENGINEERING
APPROVED — ENVIRONMENTAL
APPROVED — 96/CEG/CEN
APPROVED — DEPUTY BASE CIVIL ENGINEER

TITLE: ADDITION AND RENOVATION B521

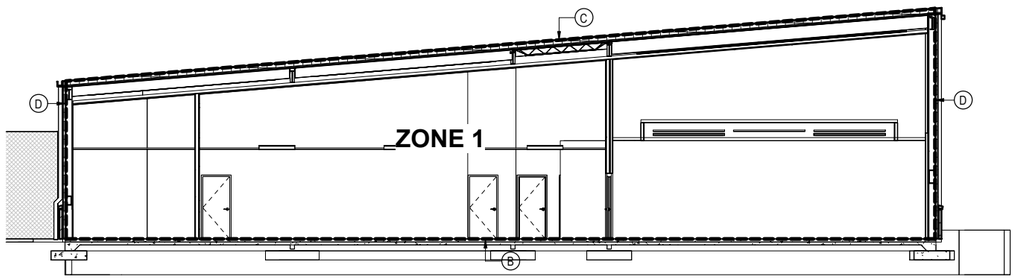
CONTENTS: SECURITY NOTES

DATE: 13 MARCH 2024
SCALE: AS SHOWN

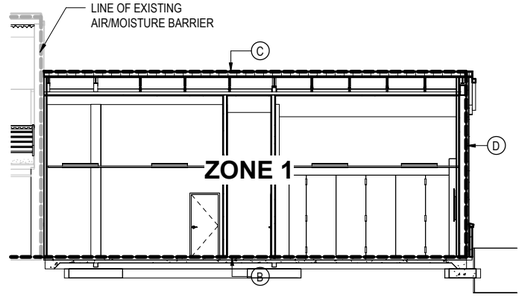
INDEX NO.: G-003
SPEC. NO.: 23AH
PROJ. NO.: FTFA 23-MM06
DRAWING NO.:
FILE NO.:
SHEET OF



1 G-110 FLOOR PLAN - NEW WORK
1/8" = 1'-0"



2 G-110 SECTION - AIR BARRIER DIAGRAM 1
1/8" = 1'-0"



3 G-110 SECTION - AIR BARRIER DIAGRAM 2
1/8" = 1'-0"

GENERAL NOTES

1. DRAWINGS ON THIS SHEET ARE PROVIDED TO SHOW DIAGRAMMATIC LOCATION OF AIR BARRIER LOCATION.
2. SEE SHEET A-002 FOR SPECIFIC WALL CONSTRUCTION INFORMATION.
3. SEE WALL SECTION AND DETAILS FOR ADDTIONAL AIR BARRIER INFORMATION

GRAPHIC LEGEND

AIR BARRIER LOCATION

SURFACE AREA

TEST ZONE 1	4,290 SF
TEST ZONE 2	200 SF

KEYNOTES

- (A) PAINTED GYPSUM WALLBOARD PERFORMS AS AIR BARRIER.
- (B) CONCRETE SLAB PERFORMS AS AIR BARRIER.
- (C) ROOFING UNDERLAYMENT PERFORMS AS AIR BARRIER
- (D) FLUID APPLIED AIR/MOISTURE BARRIER PERFORMS AS AIR BARRIER.

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

65% DESIGN SUBMITTAL

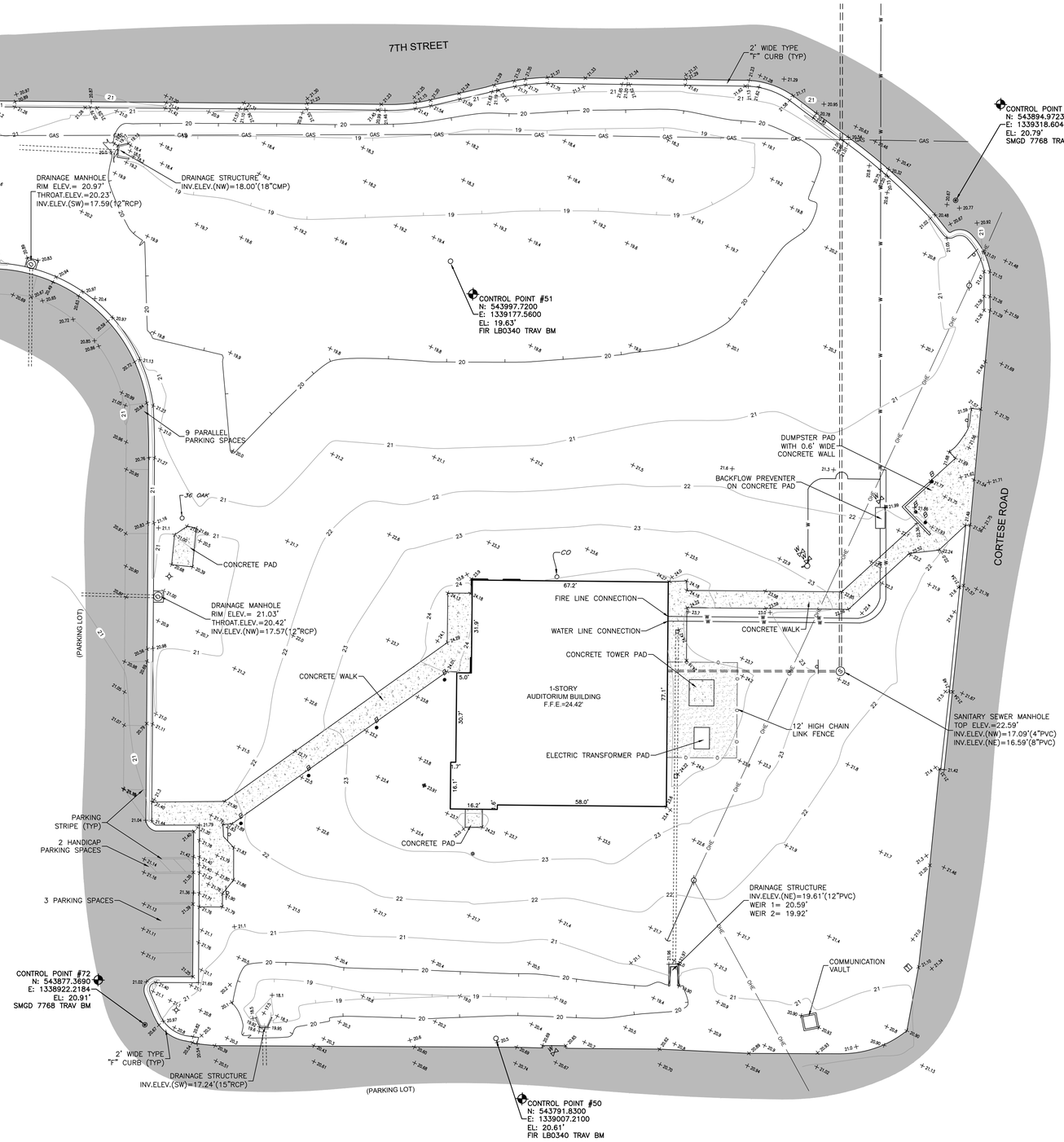
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

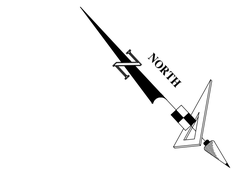
DRAWN BY M. NOELL
PROJ. ENGR. J. SAWYER
DATE
SIGNATURE
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED SECURITY FORCES
APPROVED USING AGENCY
APPROVED ASUS
APPROVED COMMUNICATIONS
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
INDEX NO. G-110
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER
SPEC. NO. 23AH
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.

TITLE
ADDITION AND RENOVATION B521

CONTENTS
AIR BARRIER PLANS & SECTION DIAGRAMS

DATE 13 MARCH 2024
SCALE AS SHOWN
SHEET OF





LEGEND

LS	LICENSED SURVEYOR
LB	LICENSED BUSINESS
INV	INVERT ELEVATION
N:	NORTHING
E:	EASTING
LAT:	LATITUDE
LONG:	LONGITUDE
ELEV.	ELEVATION
FIR	FOUND 1/2" IRON ROD
SMGD	SET MAG NAIL & DISK LB7768
(TYP)	Typical
	SIGN
W	WATER GATE VALVE
	BENCHMARK
ICV	IRRIGATION CONTROL VALVE
S	Sanitary Sewer Manhole
D	Storm Drainage Manhole
	Flood/Landscape Light
B	Bollard
CO	Sanitary Sewer Clean Out
T	Telephone Pedestal
	Fire Hydrant
	ASPHALT
	CONCRETE
	GRAVEL
24.8 X	LOCATION OF READING
	SPOT ELEVATION

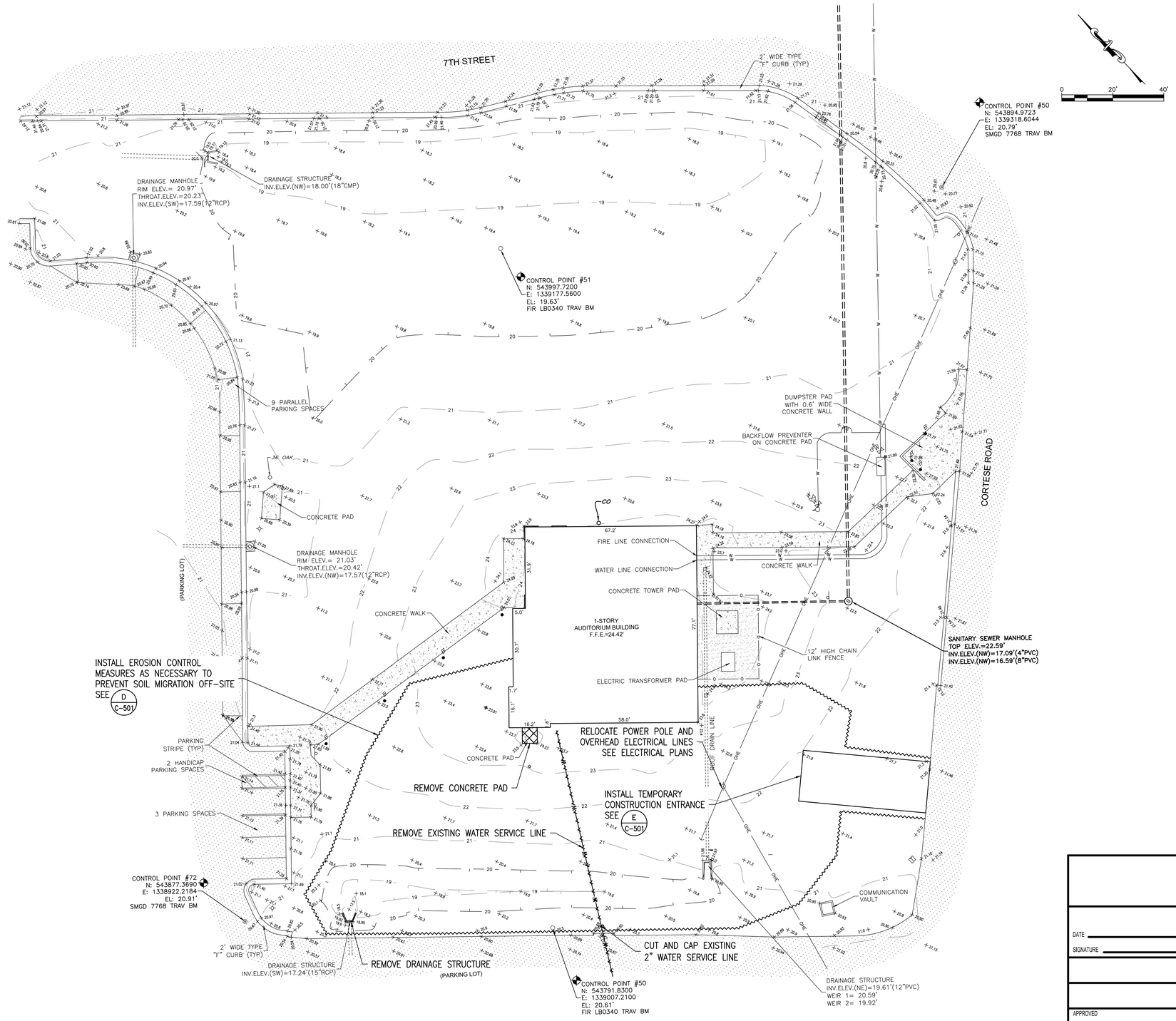
SURVEY REPORT:

1. NO ENVIRONMENTAL JURISDICTION LINES HAVE BEEN DETERMINED BY GEOPOINT SURVEYING, INC.
2. GRAPHIC SYMBOLISM OF CORNER MONUMENTATION, UTILITIES, SIGNS, ETCETERA, ARE EXAGGERATED FOR CLARITY AND ARE NOT TO SCALE. THE CENTER POINT OF WHICH IS ACCURATELY PLOTTED TO SCALE AND/OR DIMENSIONED THERETO.
3. ELEVATIONS SHOWN HEREON ARE IN FEET AND REFERENCE TO NORTH AMERICAN VERTICAL DATUM (1988), AS DERIVED FROM BASE MONUMENTATION.
4. THIS SURVEY WAS PERFORMED IN AND IS DIGITALLY REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, N.A.D. 83 DATUM AS DERIVED FROM BASE MONUMENTATION.
5. SUNSHINE STATE ONE (811) UNDERGROUND UTILITY LOCATION REQUEST, TICKET NO. 310308249 WAS ESTABLISHED FOR THIS PROJECT. TO DATE, THE FOLLOWING RESPONSES HAVE BEEN RECEIVED:
   - CENTURYLINK – AREA IS CLEAR OF FACILITIES.
   - NO OTHER RESPONSES BY PARTICIPATING AGENCIES OR COMPANIES WAS RECEIVED.

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY P. CRAWFORD	TITLE	
SIGNATURE	PROJ. ENGR. K. HORNE	ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
APPROVED ASUS	APPROVED COMMUNICATIONS	TOPOGRAPHICAL SURVEY	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 14 Mar 2024
INDEX NO. V-001	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

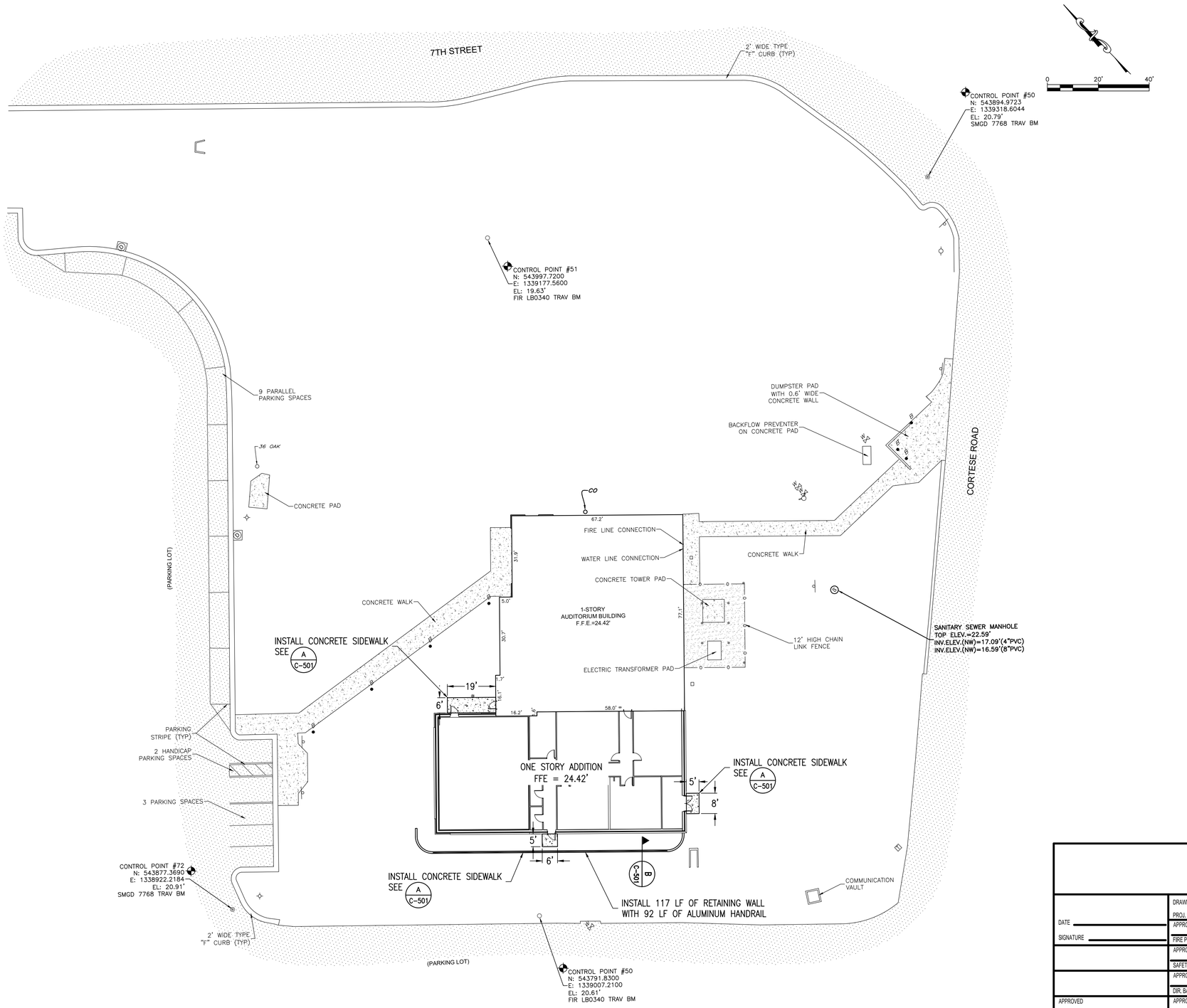


1 C-101 EXISTING CONDITIONS AND DEMOLITION PLAN
SCALE: 1" = 20'

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY P. CRAWFORD	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. K. HORNE		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	EXISTING CONDITIONS AND DEMOLITION PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MAR 2024
INDEX NO. C-101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. - / FILE NO.	SHEET OF

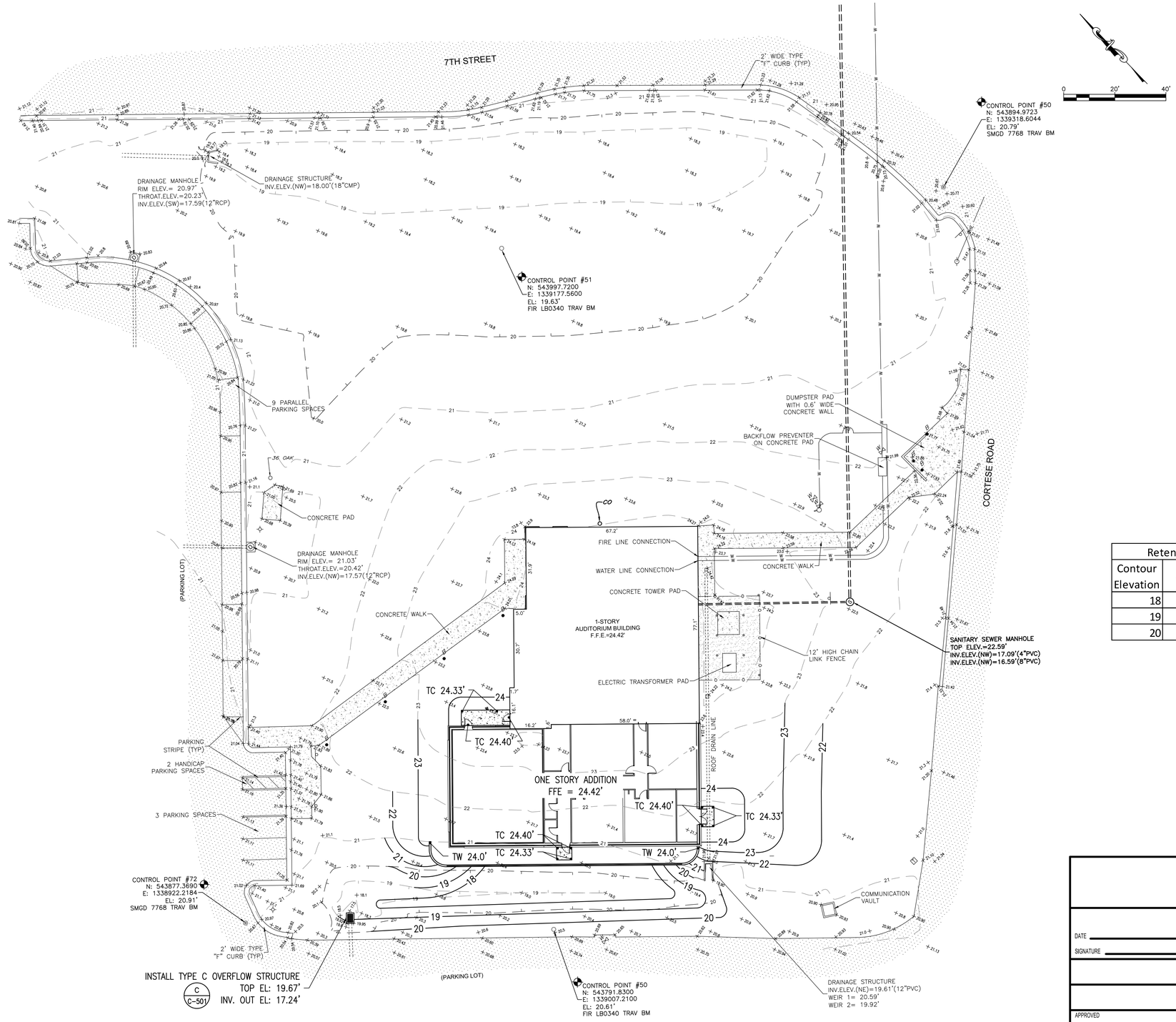


1 C-201 SITE GEOMETRY PLAN
SCALE: 1" = 20'

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY P. CRAWFORD	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. K. HORNE		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	SITE GEOMETRY PLAN - NEW WORK
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MAR 2024
INDEX NO. C-201	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. - / FILE NO.	SHEET OF



1 / C-401 SITE GRADING PLAN
SCALE: 1" = 20'

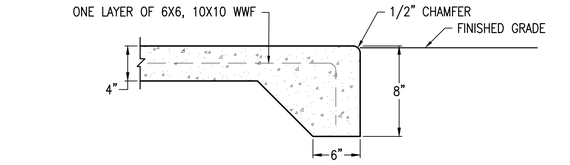
LEGEND
EL – ELEVATION
INV. – INVERT
TW – TOP OF WALL
TC– TOP OF CONCRETE SIDEWALK

Retention Pond Staged Storage			
Contour Elevation	Area	Incremental Volume	Total Volume
18	1217	0	0.0
19	2245	1731	1731.0
20	3400	2822.5	4553.5

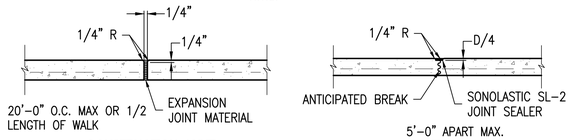
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY P. CRAWFORD	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. K. HORNE	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: SITE GRADING PLAN - NEW WORK
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MAR 2024
INDEX NO. C-401	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. - FILE NO. — SHEET OF



WALK SECTION
N.T.S.



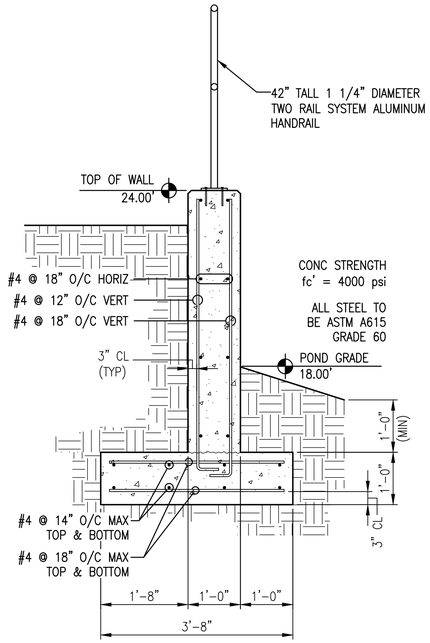
CONSTRUCTION JOINT
N.T.S.

CONTROL JOINT
N.T.S.

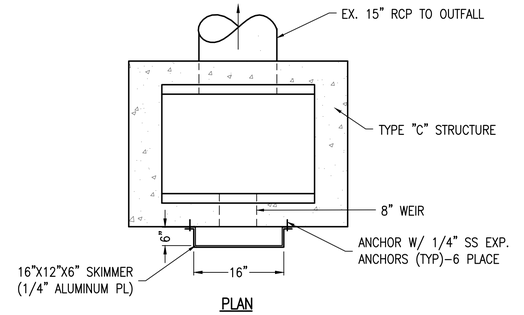
SIDEWALK NOTES:

1. SAWED OR SCORED CONTROL JOINTS SHALL BE SPACED AT 5 FT. MAXIMUM INTERVALS.
2. CONSTRUCT EXPANSION JOINTS WHERE NEW CONCRETE ABUTS NEW OR EXISTING CONCRETE CURBS, ASPHALT, OR OTHER STRUCTURES AND/OR ON 20 FT. CENTERS.
3. JOINT SEALER TO BE FLEXIBLE EPOXY JOINTING COMPOUND, AS SPECIFIED.
4. 1% MINIMUM CROSS SLOPE, CROSS SLOPE NOT TO EXCEED 2%.
5. 3500 PSI CONCRETE.

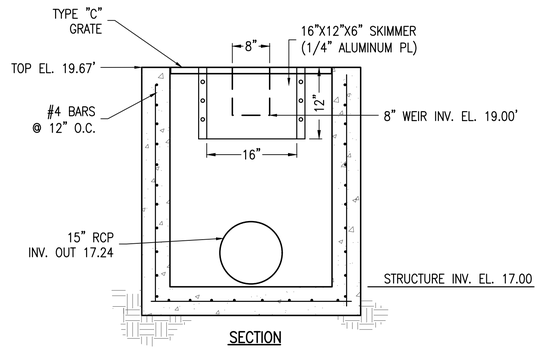
A / C-501 SIDEWALK DETAILS
N.T.S.



B / C-501 RETAINING WALL SECTION
N.T.S.



PLAN

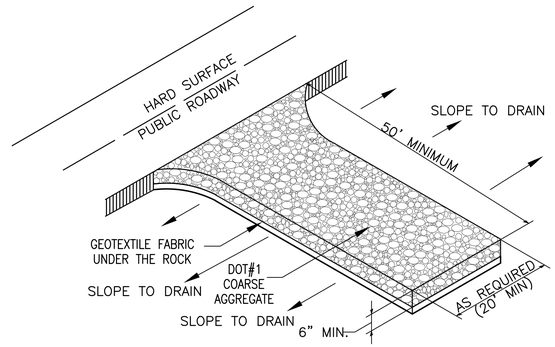


SECTION

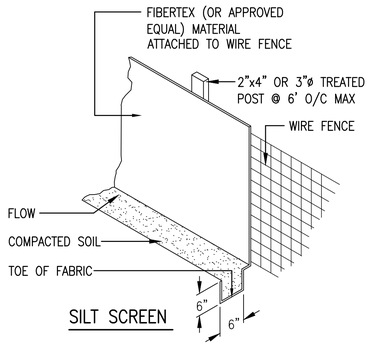
C / C-501 TYPE "C" OVERFLOW STRUCTURE
N.T.S.

NOTES:

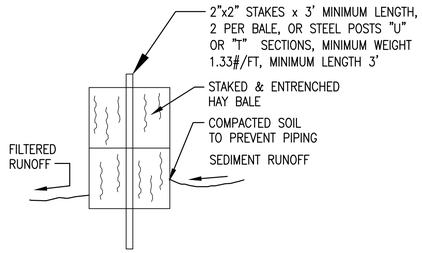
1. THE AREA OF THE CONSTRUCTION ENTRANCE SHALL BE EXCAVATED 6 INCHES DEEP, 50 FEET LONG AND SHALL EXTEND THE FULL WIDTH OF ANY VEHICULAR INGRESS AND EGRESS (MINIMUM 20 FEET) LOCATED ON THE SITE.
2. THE ENTRANCE SHALL BE PROPERLY MAINTAINED FOR THE DURATION OF THE PROJECT TO PREVENT THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MAINTENANCE AND REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE ENTRANCE SHALL BE CHECKED ON A DAILY BASIS AND BEFORE & AFTER ANY RAINFALL EVENT FOR ANY DAMAGES. ANY DAMAGES FOUND SHALL BE REMEDIATED BEFORE THE DAYS END AT NO ADDITIONAL COST TO THE GOVERNMENT.
4. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT THE FLOW OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY.
5. MEASURES SHALL BE TAKEN TO PREVENT VEHICULAR TRAFFIC FROM BYPASSING THE CONSTRUCTION ENTRANCE DURING INGRESS AND EGRESS.



E / C-501 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.



SILT SCREEN



STAKED HAY BALE

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES

SILT SCREEN OR STAKED HAY BALE SILT BARRIERS SHALL BE INSTALLED BEFORE CLEARING, GRADING OR OTHER CONSTRUCTION ACTIVITIES ARE INITIATED. PROVIDE TEMPORARY SWALES TO ASSURE THAT ALL STORM WATER DISCHARGES FLOW THROUGH SILT BARRIERS. BARRIERS TO REMAIN IN PLACE AND BE MAINTAINED UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED AND REMOVAL IS AUTHORIZED BY CONTRACTING OFFICER'S REPRESENTATIVES.

COMPLY WITH STATE OF FLORIDA REQUIREMENTS FOR RELEASING DEWATERING DISCHARGE. INSTALL MONITORING WELLS & COLLECT SAMPLES FOR TESTING WATER QUALITY

D / C-501 EROSION CONTROL DETAILS
N.T.S.

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY P. CRAWFORD	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. K. HORNE	
	APPROVED	
	FIRE PREVENTION	
	APPROVED	
	SAFETY REPRESENTATIVE	
	APPROVED	
	DIR. BASE MED. SERVICE	
APPROVED	APPROVED	CONTENTS: DETAILS
SECURITY FORCES	USING AGENCY	
APPROVED	APPROVED	
ASUS	COMMUNICATIONS	
APPROVED	APPROVED	APPROVED — DATE: 13 MAR 2024
CHELCO	OPERATIONS ENGINEERING	96/CEG/CEN
INDEX NO. C-501	APPROVED	APPROVED — SCALE: AS SHOWN
	ENVIRONMENTAL	DEPUTY BASE CIVIL ENGINEER

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
21AX	FTFA 23-MM06	-		

1.00 GENERAL NOTES

1.01 THESE STRUCTURAL NOTES SHALL BE APPLIED WITH THE TECHNICAL SPECIFICATIONS IN THE SPECIFICATIONS MANUAL. ANY CONFLICTING REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER'S REPRESENTATIVE (COR) FOR RESOLUTION BEFORE PROCEEDING WITH FABRICATION OR CONSTRUCTION.

1.02 ALL CONSTRUCTION SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2021.

1.03 WIND LOADS - STRUCTURE HAS BEEN DESIGNED TO CONFORM TO THE WIND PROVISIONS OF ASCE 7-16. SEE WIND PRESSURE DIAGRAM & CHART FOR THE FOLLOWING:

A. ULTIMATE WIND SPEED
B. NOMINAL WIND SPEED
C. BUILDING RISK CATEGORY
D. WIND EXPOSURE CATEGORY
E. INTERNAL PRESSURE COEFFICIENT
F. COMPONENT & CLADDING WIND PRESSURES

1.04 EARTHQUAKE LOADS - THE IBC REQUIRES THAT EARTHQUAKE DESIGN DATA BE PROVIDED REGARDLESS OF WHETHER OR NOT SEISMIC LOADS GOVERN THE LATERAL FORCE RESISTING SYSTEM DESIGN. THE DESIGN DATA IS AS FOLLOWS:

A. SITE CLASSIFICATION: D
B. SPECTRAL RESPONSE COEFFICIENTS
   1. Ss = 0.075g Sds = 0.080g
   2. S1 = 0.053g Sd1 = 0.085g
C. SEISMIC DESIGN CATEGORY: B
D. BASIC SEISMIC-FORCE-RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
E. RESPONSE MODIFICATION COEFFICIENT (R): 3
F. SEISMIC RESPONSE COEF. (Cs): 0.027
G. SEISMIC BASE SHEAR (V): XXXX KIPS
H. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

1.05 DESIGN GRAVITY LOADS ARE AS FOLLOWS:

A. SUPERIMPOSED DEAD LOADS:
   1. ROOFING AND INSULATION: 5 PSF
   2. MECHANICAL, ELECTRICAL, PLUMBING: 3 PSF
   3. CEILINGS: 12 PSF

B. LIVE LOADS: (MAY BE REDUCED PER CODE)
   1. AUDITORIUM TIERS: 100 PSF
   2. STAIRS: 100 PSF
   3. ROOFS: 20 PSF
   4. SLAB-ON-GRADE: 100 PSF
   5. MECHANICAL/ ELECTRICAL/STORAGE ROOMS: 125 PSF

1.06 DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.

1.07 THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO STABILIZE THE BUILDING DURING CONSTRUCTION.

1.08 CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT. FOR ADDITIONAL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS. NOTIFY COR OF ANY CONFLICT AND/OR OMISSION.

1.09 REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE COR DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE COR. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS ALSO RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

2.00 FOUNDATIONS AND SLAB-ON-GRADE

2.01 THE DESIGN OF FOUNDATIONS AND SLAB ON GRADE IS BASED ON THE CRITERIA ESTABLISHED IN THE GEOTECHNICAL REPORT FOR VIRTUAL WARFARE MUNITIONS SERVER FACILITY BY THE US ARMY CORP OF ENGINEERS, MOBILE DISTRICT, DATED JANUARY 10, 2017. THE RECOMMENDATIONS OF THAT REPORT WERE USED IN DESIGN OF FOUNDATIONS AND SLAB-ON-GRADE.

2.02 SHALLOW FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE.

2.03 A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY CONDITION AND/OR ADEQUACY OF ALL SUBGRADES, FILLS AND BACKFILLS BEFORE PLACEMENT OF FOUNDATIONS, FOOTINGS, SLABS, WALLS, FILLS, BACKFILLS, ETC. SHOULD THE CONTRACTOR FIND UNDESIRABLE SOILS, HE SHALL STOP WORK AND IMMEDIATELY CONTACT THE COR. SEE SPECIFICATION 31 00 00 FOR COMPLETE REQUIREMENTS, INCLUDING BACKFILL AND COMPACTION REQUIREMENTS.

2.04 SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING. FOUNDATIONS POURED AGAINST THE EARTH REQUIRE THE FOLLOWING PRECAUTIONS: SLOPE SIDES OF EXCAVATIONS AS APPROVED BY GEOTECHNICAL ENGINEER AND CLEAN UP SLOUGHING BEFORE AND DURING CONCRETE PLACEMENT.

2.05 CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY PROTECTING ALL EXCAVATION SLOPES.

2.06 SLAB-ON-GRADE REQUIREMENTS:

A. UNLESS NOTED OTHERWISE, THE SLAB-ON-GRADE SHALL BE A MINIMUM OF 4 INCHES THICK, PLACED ON COMPACTED SUBGRADE, AND REINFORCED WITH WWF 6X6 W2.9 x W2.9 WITH 2" CLEAR COVER TO VAPOR BARRIER. REFER TO PLAN AND DETAILS FOR TOPPING SLAB THICKNESS AND REQUIREMENTS.

B. PLACE CONTROL OR CONSTRUCTION JOINTS AT LOCATIONS INDICATED BY "S.C.J." SAWCUT CONTROL JOINTS AS SOON AFTER POURING AS POSSIBLE, WHEN CONCRETE WILL NOT RAVEL; 12 HRS. MAX. CURE CONCRETE IN ACCORDANCE WITH ACI 301. BEGIN CURING IMMEDIATELY AFTER POURING TO LIMIT CRACKING PRIOR TO SAWCUTTING CONTROL JOINTS.

C. SUBGRADE, INCLUDING 6" CAPILLARY BREAK, SHALL BE PREPARED PER THE EARTHWORK SPECIFICATION 31 00 00.

D. VAPOR BARRIER SHALL BE 15 MIL. MINIMUMUM THICKNESS AND CONFORM TO ASTM E1745, CLASS A, B, AND C. VAPOR BARRIER SHOULD BE PLACED OVER CAPILLARY BREAK AND COMPACTED SUBGRADE. VAPOR BARRIER AT A MINIMUM SHOULD BE OVERLAPPED 6 IN. AND TAPED AT THE JOINTS AND CAREFULLY FITTED AND TAPED (SEALED) AROUND SERVICE OPENINGS. INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS.

2.07 CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PLACEMENT OF ALL PIPING AND DRAINS THROUGH AND BELOW FOUNDATIONS, SLABS AND THROUGH STEMWALLS AS REQUIRED. THE CONTRACTOR SHALL REVIEW ALL OTHER DRAWING DISCIPLINES AND PROVIDE ANY SLEEVES OR PIPE PLACEMENT PRIOR TO REINFORCING PLACEMENT AND/OR CONCRETE POUR. PROVIDE (2) #4 CRACK CONTROL BARS TO LIMIT CRACKING AROUND ANY GROUP OF SLAB PENETRATIONS WITHIN 2'-0" OF ONE ANOTHER.

3.00 REINFORCED CONCRETE

3.01 ALL CONCRETE WORK SHALL CONFORM TO ACI 301-10, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS. DESIGN IS BASED ON ACI 318-14, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE. DETAIL CONCRETE REINFORCEMENT AND ACCESSORIES IN ACCORDANCE WITH ACI 315, DETAILING MANUAL. DETAIL ALL CONCRETE WALLS AND BEAMS ON THE SHOP DRAWINGS IN ELEVATION UNLESS SPECIFICALLY APPROVED OTHERWISE. SUBMIT SHOP DRAWINGS FOR APPROVAL, SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL AND ACCESSORIES. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.

3.02 UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS:

A. FOUNDATIONS, SLAB-ON-GRADE & ELEVATED SLABS 3500 PSI

CONCRETE MAY CONTAIN A PROPERLY DESIGNED SUPERPLASTICIZER FOR WORKABILITY.

3.03 REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.

3.04 THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE CONTRACTOR'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S.

3.05 USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

3.06 CHAMFER OR ROUND ALL EXPOSED CORNERS A MINIMUM OF 3/4".

3.07 TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCE DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS INTO WET CONCRETE IS NOT PERMITTED.

3.08 PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED; STAGGER SPLICE WHERE POSSIBLE; USE FULL TENSION SPLICE (CLASS "B") UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH FULL TENSION SPLICES (CLASS "B") UNLESS NOTED OTHERWISE. TERMINATE BARS WITH STANDARD HOOKS. PROVIDE CLASS "B" LAP SPLICE CORNER BARS FOR ALL CONTINUOUS REINFORCING.

3.09 REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE (PER ACI 318):

A. CONCRETE AGAINST EARTH (NOT FORMED): 3"

B. FORMED CONCRETE EXPOSED TO THE EARTH OR WEATHER:
1. #6 THROUGH #18 BARS: 2"
2. #5 BARS AND SMALLER: 1-1/2"

C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
1. SLABS AND WALLS: 1"

3.10 DO NOT PLACE DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS WITHIN THE SLAB OR WALL UNLESS SPECIFICALLY SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.

3.11 DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.

3.12 SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED 75% OF ITS 28-DAY STRENGTH.

3.13 ALL REINFORCING STEEL PLACEMENTS SHALL BE REVIEWED BY THE CONTRACTING OFFICER, OR BY A REPRESENTATIVE RESPONSIBLE TO HIM. (RE: ACI 318 PAR. 1.3.1)

3.14 FOR CONCRETE PADS SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

4.00 STRUCTURAL STEEL, STEEL JOISTS, STEEL DECK AND ENGINEERED STAIRS AND RAILINGS

4.01 STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED ACCORDING TO AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION.

4.02 SUBMIT SHOP DRAWINGS PREPARED IN ACCORDANCE WITH AISC MANUAL "DETAILING FOR STEEL CONSTRUCTION", LATEST EDITION. STEEL FABRICATOR SHALL SUPPLY ANCHOR BOLT LOCATION DRAWINGS. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.

4.03 STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. STRUCTURAL STEEL SHAPES, PLATES, ANGLES, AND CHANNELS SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 KSI, UNLESS NOTED OTHERWISE. STEEL PIPE SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. ANCHOR BOLTS SHALL CONFORM TO F1554-GR. 36 HOT DIP GALVANIZED, UNLESS NOTED OTHERWISE.

4.04 BOLTS SHALL CONFORM TO ASTM A325, 3/4-INCH DIAMETER MINIMUM, UNLESS NOTED OTHERWISE. COMPRESSIVE-WASHER-TYPE DIRECT TENSION INDICATORS OR TWIST-OFF-TYPE TENSION-CONTROL BOLTS CONFORMING TO RCSC SHALL BE PROVIDED AT ALL BOLTED CONNECTIONS PER UFC 3-301-01.

4.05 HEADED STUD SHEAR CONNECTORS (INDICATED AS "HS" ON PLANS): ASTM A 108, GRADES 1010 THROUGH 1020, HEADED-STUD TYPE, COLD-FINISHED CARBON STEEL; AWS D1.1, TYPE B. USE AUTOMATIC END WELDING OF HEADED-STUD SHEAR CONNECTORS ACCORDING TO AWS D1.1 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

4.06 DEFORMED BAR ANCHORS (INDICATED AS "DBA" ON PLANS): DEFORMED STEEL REINFORCING BARS IN ACCORANCE WITH ASTM A-496 SPECIFICATIONS, YIELD STRENGTH 70 KSI. USE AUTOMATIC END WELDING OF HEADED-STUD SHEAR CONNECTORS ACCORDING TO AWS D1.1 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

4.07 USE PRE-QUALIFIED WELDED JOINTS AS PER AISC, AND AWS D1.1 "STRUCTURAL WELDING CODE." USE ONLY CERTIFIED WELDERS; ALL ELECTRODES SHALL CONFORM TO AWS A5 GRADE E70XX. BARE ELECTRODE AND GRANULAR FLUX SHALL CONFORM TO AWS A5, F70 AWS FLUX CLASSIFICATION. MINIMUM WELD SIZE TO BE 3/16" FILLET WELD, U.N.O.

4.08 CUTS, BOLTS, COPING, ETC. REQUIRED FOR WORK OR OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS AND MADE IN THE SHOP. CUTS OR BURNING HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.

4.09 SHOP CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS MAY BE WELDED OR BOLTED. FIELD CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE BOLTED, WHERE POSSIBLE. FABRICATOR AND ERECTOR SHALL PROVIDE AND BID CONNECTIONS SIMILAR TO THOSE DETAILED IN THESE DRAWINGS. DURING THE SHOP DRAWING PHASE THE DETAILER SHALL MARK CONNECTIONS THAT SPECIFIC DETAILS WERE NOT PROVIDED IN THE DRAWINGS FOR VERIFICATION BY THE COR.

4.10 WHEN SPECIFICALLY NOT DETAILED ON THE DESIGN DRAWINGS PROVIDE THE FOLLOWING BEAM CONNECTIONS:

A. PROVIDE CONNECTIONS SIMILAR TO THOSE SHOWN ON SHEET S-502
B. WHERE BEAM REACTIONS ARE SHOWN, CONNECTIONS SHALL DEVELOP THE REACTION GIVEN.
C. WHERE REACTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT.
D. SERVICE CONNECTION DESIGN CAPACITIES SHALL BE LISTED ON THE STRUCTURAL STEEL ERECTION SHOP DRAWINGS.

4.11 FIELD SPLICES SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF MEMBER AT THE POINT OF SPLICE IN BENDING, SHEAR AND AXIAL LOAD (COMPRESSION AND TENSION).

4.12 ALTERNATE CONNECTION DETAILS MAY BE USED IF SUCH DETAILS ARE SUBMITTED TO THE COR FOR REVIEW AND ACCEPTANCE IS GRANTED. HOWEVER, THE COR SHALL BE THE SOLE JUDGE OF ACCEPTABILITY AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THE SPECIFIC DETAILS SHOWN ON THE DRAWINGS. IN ANY EVENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS, WHICH HE PROPOSES.

4.13 PROVIDE STIFFENER PLATES ON EACH SIDE OF WEB OF BEAM OR GIRDER AT POINTS OF CONCENTRATED LOADS. MINIMUM STIFFENER PLATE THICKNESS SHALL BE 1/2" OR FLANGE THICKNESS OF COLUMNS ABOVE OR BELOW, WHICHEVER IS THICKER.

4.14 FILLER BEAMS OR JOISTS SHOULD BE SPACED EQUALLY BETWEEN THE COLUMNS IF NOT SHOWN OTHERWISE ON THE DRAWINGS.

4.15 PROVIDE TEMPORARY BRACING OF STRUCTURAL FRAMING TO PROVIDE LATERAL SUPPORT UNTIL ALL PERMANENT BRACING MOMENT CONNECTIONS AND FLOOR AND ROOF DECKS (DIAPHRAGMS) ARE COMPLETELY INSTALLED.

4.16 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND DRAWINGS RELATED TO OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND COORDINATE DIMENSIONS, CLEARANCES, ETC. WITH THE WORK OF OTHER TRADES. THE STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE FRAMING AROUND OPENINGS IN FLOOR AND ROOF SLAB AS INDICATED IN THE MECHANICAL AND ARCHITECTURAL DRAWINGS.

4.17 HOLES IN STRUCTURAL STEEL BEAMS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD, UNLESS SPECIFICALLY NOTED IN THESE DRAWINGS.

4.18 STRUCTURAL STEEL CONTRACTOR SHALL COORDINATE THE BOTTOM OF BASE PLATE ELEVATION WITH THE TOP OF CONCRETE ELEVATION. IN CASE OF CONFLICT, THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR MORE STRINGENT REQUIREMENTS.

4.19 COMPOSITE CONSTRUCTION SHEAR CONNECTORS: SOLID FLUXED SHEAR CONNECTORS STUDS AUTOMATICALLY WELDED THROUGH THE METAL DECK AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER (NELSON DIVISION OF TRW OR APPROVED EQUAL).

4.20 ALL STUD WELDING SHALL BE INSPECTED AND FIELD-TESTED. ALL STUDS FAILING THE TEST SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

4.21 PAINT STRUCTURAL STEEL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. DO NOT PAINT STEEL SURFACES TO BE ENCASED IN CONCRETE OR TO BE WELDED. STEEL SURFACES RECEIVING AUTOMATICALLY WELDED SHEAR CONNECTORS STUDS IN THE FIELD SHALL NOT BE PAINTED.

STEEL JOISTS

4.22 STEEL JOISTS AND JOIST GIRDERS SHALL BE FABRICATED AND ERECTED IN STRICT CONFORMANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS AND LOAD TABLES FOR JOIST AND JOIST GIRDERS, "OF THE STEEL JOIST INSTITUTE (SJI).

4.23 JOIST SEATS AND THEIR CONNECTIONS SHALL BE CAPABLE OF TRANSFERRRING 2500 LBS PER JOIST OF SERVICE DIAPHRAGM SHEAR FORCE FROM THE TOP OF JOIST SEAT INTO SUPPORT.

4.24 STEEL JOIST CONTRACTOR SHALL FURNISH ALL CROSS BRIDGING AND CONNECTIONS.

4.25 DESIGN STEEL JOISTS AND THEIR CONNECTIONS FOR UPLIFT AS SHOWN ON THE WIND PRESSURE DIAGRAM ON THESE DRAWINGS. A MAXIMUM OF 5 PSF OF GRAVITY LOAD MAY BE ASSUMED WHEN COMPUTING "NET" UPLIFT.

4.26 PROVIDE BEAM BOTTOM FLANGE BRACING AT ALL ROOF JOISTS BEARING ON PERIMETER BEAMS AS DETAILED IN THESE DRAWINGS. PROVIDE BEAM BOTTOM FLANGE BRACING AT ALTERNATE ROOF JOISTS BEARING ON INTERIOR BEAMS AS DETAILED IN THESE DRAWINGS.

4.27 EXTEND AND FASTEN ALL JOIST BOTTOM CHORD BRIDGING TO BOTTOM FLANGE OF BEAMS CROSSING BRIDGING RUNS. PROVIDE BRIDGING AT A MAXIMUM SPACING OF 10'-0" O.C. WITH X-BRIDGING AT THE FIRST INTERIOR BAY. PROVIDE L2 1/2"x2 1/2"x5/32" MINIMUM JOIST BRIDGING ANGLES.

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE

DRAWN BY I.J DERELIII
PROJ. ENGR. I.J DERELIII
APPROVED — FIRE PREVENTION
APPROVED — SAFETY REPRESENTATIVE
APPROVED — DIR. BASE MED. SERVICE
APPROVED — SECURITY FORCES
APPROVED — USING AGENCY
APPROVED — ASUS
APPROVED — COMMUNICATIONS
APPROVED — CHELCO
APPROVED — OPERATIONS ENGINEERING
APPROVED — 96/CEG/CEN
APPROVED — ENVIRONMENTAL
APPROVED — DEPUTY BASE CIVIL ENGINEER

TITLE
ADDITION AND RENOVATION B521

CONTENTS
GENERAL NOTES

DATE 13 MARCH 2024
SCALE AS SHOWN
SHEET OF

INDEX NO. S-001
SPEC. NO. 21AX
PROJ. NO. FTFA 23-MM06
DRAWING NO. FTFA 23-MM06
FILE NO.

GENERAL NOTES CONT.

STEEL DECKING

4.28 FABRICATION AND ERECTION OF STEEL DECKING SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE'S (SDI) "SPECIFICATION AND COMMENTARY FOR COMPOSITE STEEL FLOOR DECK, NON-COMPOSITE STEEL DECK, AND STEEL ROOF DECK" AS APPLICABLE TO THIS PROJECT.
STEEL DECKING:

4.29 MATERIAL FOR STEEL DECKING SHALL CONFORM TO ASTM A1008 GRADES 33 AND 40, OR FROM A653. SEE DRAWINGS FOR STEEL DECK TYPE, GAUGE, YIELD STRENGTH AND SECTION PROPERTIES.

4.30 ROOF DECK SHALL BE TYPE B, WIDE RIB.

4.31 FLOOR DECK SHALL BE COMPOSITE FLOOR DECK.

4.32 UNLESS NOTED OTHERWISE ALL STEEL DECKING SHALL HAVE A GALVANIZED COATING CONFORMING TO ASTM A525, G60.

4.33 STEEL ROOF DECK ANCHORAGE:

A. SCREWS. ANCHOR DECK TO SUPPORTING STRUCTURE USING SIMPSON XLQ114T1224 - #12 SCREWS AS MANUFACTURED BY SIMPSON AS INDICATED ON THE STRUCTURAL CONTRACT DRAWINGS.

B. FASTEN SIDE LAPS OF ADJACENT UNITS WITH SIMPSON XQ1S1016 - #10 SCREWS SELF-DRILLING, SELF-TAPPING SCREWS AT THE SPACING INDICATED IN THE CONTRACT DRAWINGS.

4.34 STEEL FLOOR DECK ANCHORAGE:

A. WELDING: ANCHOR STEEL DECKING TO THE SUPPORTING STRUCTURE INCLUDING BEARING WALLS WITH NOMINAL 5/8 INCH DIAMETER PUDDLE WELDS OR EQUIVALENT, AT ALL EDGE RIBS PLUS INTERIOR RIBS AT A MAXIMUM SPACING AS SHOWN IN THE CONTRACT DRAWINGS.

B. SCREWS: AS AN ALTERNATE TO WELDING, DECK MAY ANCHORED TO SUPPORTING STRUCTURE USING #12-16 X 1.5" HEX WASHER HEAD SCREWS AS MANUFACTURED BY HILTI (OR APPROVED EQUAL) AT A SPACING AS INDICATED IN THE STRUCTURAL CONTRACT DRAWINGS.

C. FASTEN SIDE LAPS OF ADJACENT UNITS AT A MAXIMUM SPACING OF 24 INCHES BY BUTTON PUNCHING, OR WITH NO.10 SELF-DRILLING, SELF-TAPPING SCREWS.

4.35 PROVIDE DECKING CONTINUOUS OVER 3 SPANS MINIMUM WHERE SUPPORTING STRUCTURE PERMITS.

4.36 STEEL DECKING SHALL BE ERECTED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS

ENGINEERED STAIRS AND RAILINGS:

4.37 ENGINEERED STAIRS: WHERE INDICATED IN THESE CONSTRUCTURION DOCUMENTS (INCLUDING ARCHITECTURAL DRAWINGS AND SPECIFICATIONS), THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS MEETING OR EXCEEDING THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2021 EDITION. THE CONTRACTOR SHALL PROVIDE ENGINEERED STAIR AND RAILING SYSTEMS AS OUTLINED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS. ALL CONNECTIONS SHALL BE DESIGNED AND INSTALLED BY THE CONTRACTOR. INTERMEDIATE SUPPORTS SHALL BE PROVIDED AS NOTED IN THE DRAWINGS TO LIMIT VERTICAL LOADS ON THE SLAB, UNLESS SPECIFICALLY INDICATED IN THE CONTRACT DRAWINGS. UNLESS NOTED OTHERWISE, ENGINEERED STAIRS SHALL BE CONRETE FILLED METAL PAN STAIRS WITH CHANNEL STRINGERS AND STEEL RAILINGS.

4.38 ENGINEERED RAILINGS: WHERE INDICATED IN THESE CONSTRUCTION DOCUMENTS (INCLUDING ARCHITECTURAL DRAWINGS AND SPECIFICATIONS) THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS MEETING OR EXCEEDING THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2021 EDITION. THE CONTRACTOR SHALL PROVIDE ENGINEERED RAILING SYSTEMS AS OUTLINED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS. ALL CONNECTIONS SHALL BE DISIGNED AND INSTALLED BY THE CONTRACTOR.

5.00 POST INSTALLED ANCHORS: ALTERNATE EQUALS MAY BE USED IF SUCH PRODUCTS ARE SUBMITTED TO THE COR FOR REVIEW AND ACCEPTANCE IS GRANTED. HOWEVER, THE COR SHALL BE THE SOLE JUDGE OF ACCEPTABILITY AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THE SPECIFIC PRODUCTS SHOWN ON THE DRAWINGS.

5.01 ANCHOR BASIS OF DESIGN, FOR ALL POST INSTALLED ANCHORS ARE HILTI, INC PRODUCTS. CONTACT HILTI AT (800) 879-8000.

5.02 WHERE CALLED FOR IN THE CONSTRUCTION DRAWINGS, KWIK HUS (KH) ANCHORS SHALL BE CARBON STEEL KWIK HUS, WITH 5" MIN. EMBEDMENT INTO GROUT FILLED CMU OR CONCRETE.

5.03 INSTALL ALL ANCHORS PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

5.04 THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE CONTRACTING OFFICER MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

5.05 ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ANCHORS, ANCHOR EMBEDMENT, AND PROXIMITY OF ANCHORS TO EDGES OF CONCRETE AND/OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH THE SPACING AND EDGE CLEARANCES INDICATED IN THESE DRAWINGS.

6.00 COLD FORMED METAL FRAMING

6.01 ALL EXTERIOR WALL COLD FORM METAL FRAMING, INCLUDING JAMBS, HEADERS AND SILLS, SHALL BE DESIGNED AND DETAILED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF COLD FORM METAL FRAMING FOR BOTH WIND AND ATFP. COLD FORM METAL FRAMING SHALL BE SUBMITTED IN A SIGNED AND SEALED SHOP DRAWING FORMAT INCLUDING PLANS, SECTIONS AND BUILDING ELEVATIONS. CONNECTIONS SHALL BE SPECIFICALLY DETAILED FOR EACH CONDITION.

6.02 FULL CALCULATION PACKET SHALL BE PROVIDED IN THE SHOP DRAWING PHASE FOR ENGINEER OF RECORD REVIEW.

6.03 DESIGN LOADS:
- WIND: SEE ULTIMATE DESIGN PRESSURES LISTED IN THE CHART ON THIS SHEET.

6.04 SERVICABILITY REQUIREMENTS:
- WIND DEFLECTION REQUIREMENTS:
  SUPPORTING STUCCO: L/360
  SUPPORTING BRICK: L/600

6.05 COLD FORMED METAL STUDS: GALVANIZED STEEL PER ASTM A525, G60 COATING MEETING THE REQUIREMENTS OF ASTM A446 GRADE A, WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.

6.06 ALL STUDS AND TRACKS SHALL BE 16 GAUGE MINIMUM, UNLESS NOTED OTHERWISE. MAXIMUM STUD SPACING SHALL BE 1'-4" O.C, UNLESS NOTED OTHERWISE.

6.07 ALL TOP TRACKS AND CONNECTIONS TO ROOF BEAMS SHALL BE DEFLECTION TRACKS/CONNECTIONS WITH 3/4" MINIMUM VERTICAL MOVEMENT IN EACH DIRECTION. DEFLECTION TRACKS/CONNECTIONS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

6.08 PROVIDE WEB AND FLANGE BRACING EACH FACE AS REQUIRED TO MEET DESIGN LOADS.

6.09 FINAL STUD WALL LAYOUTS AND LOCATIONS SHALL BE PER THE ARCHITECTURAL CONSTRUCTION DRAWINGS. SIZES WILL VARY BASED ON DESIGN REQUIREMENTS.

6.10 THE CONTRACTOR SHALL ACCOUNT FOR ALL REQUIRED FINAL CONNECTIONS.

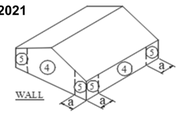
6.11 MINIMUM CONNECTION REQUIREMENTS (FINAL DESIGN BY SPECIALTY ENGINEER):
A. TRACK TO STEEL OPTIONS
   1. 0.157" DIA. P.A.F.s @ 8" O.C. STAGGERED.
   2. #12 HWH SELF TAPPING TEK SCREWS @ 8" O.C.
B. TRACK TO CONCRETE OPTIONS:
   1. (2) 0.157" DIA. P.A.F.s @ 1'-4" O.C. STAGGERED EMBED 1" MIN.
   2. (2) 3/16" TAPCON SCREW ANCHORS @ 1'-4" O.C. EMBED 1¼" MIN.
C. STUD TO STUD OR JOIST TO JOIST: (4) #10 HWH SELF TAPPING TEK SCREWS, MIN.
D. STUD TO TRACK – (2) #10 HWH SELF TAPPING TEK SCREWS.
E. STUD TO STEEL OPTIONS
   1. (2) 0.157" DIA. P.A.F.'s
   2. (2) #12 HWH SELF TAPPING TEK SCREWS.
F. CLIP ANGLE CONNECTIONS: 14 GA. MINIMUM THICKNESS

NOTE: REFER TO SPECIAL INSPECTION SPECIFICATION SECTION 01 45 35 FOR REQUIREMENTS PERTAINING TO SPECIAL INSPECTIONS.

WIND LOADS PER THE INTERNATIONAL BUILDING CODE, 2021

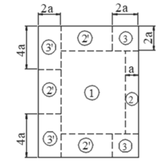
Wind Design Data:

Ultimate Design Wind Speed	143 mph
Nominal Design Wind Speed	110.77 mph
Risk Category	II
Mean Roof Ht (h)	24.0 ft
Exposure Category	C
Enclosure Classif.	Enclosed Building
Internal pressure Coef.	+/-0.18
Directionality (Kd)	0.85



Walls h ≤ 60'
& alt design h<90'

WALL ZONE DIAGRAM



ROOF ZONE DIAGRAM

COMPONENT AND CLADDING DESIGN
WIND PRESSURES (PSF)
ROOF SURFACE PRESSURES

Area	10 sf	20 sf	50 sf	100 sf
Negative Zone 1	-53.4	-53.4	-53.4	-53.4
Negative Zone 2	-61.7	-60.5	-58.8	-57.5
Negative Zone 2'	-74.2	-73.0	-71.3	-70.1
Negative Zone 3	-82.6	-75.0	-65.1	-57.5
Negative Zone 3'	-115.9	-103.4	-86.8	-74.2
Positive All Zones	20.0	18.8	17.1	16.0

WALL SURFACE PRESSURES

Area	10 sf	100 sf	200 sf	500 sf
NEGATIVE ZONE 4	-48.8	-42.2	-40.2	-37.5
NEGATIVE ZONE 5	-60.1	-46.8	-42.8	-37.5
POSITIVE ZONE 4 & 5	45.0	38.4	36.4	33.8

NOTES:
1) TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.
2) POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE BUILDING.
3) SEE DIAGRAMS FOR LOCATION OF ZONES.
4) PRESSURES SHOWN ARE ULTIMATE PRESSURES, MULTIPLY BY 0.6 FOR NOMINAL PRESSURES

a=9.6 ft

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE

DRAWN BY I.J DEREUIL
PROJ. ENGR. I.J DEREUIL

APPROVED — FIRE PREVENTION
APPROVED — SAFETY REPRESENTATIVE
APPROVED — DIR. BASE MED. SERVICE
APPROVED — SECURITY FORCES
APPROVED — USING AGENCY
APPROVED — ASUS
APPROVED — COMMUNICATIONS
APPROVED — CHELCO
APPROVED — OPERATIONS ENGINEERING
APPROVED — 96/CEG/CEN
APPROVED — ENVIRONMENTAL
APPROVED — DEPUTY BASE CIVIL ENGINEER

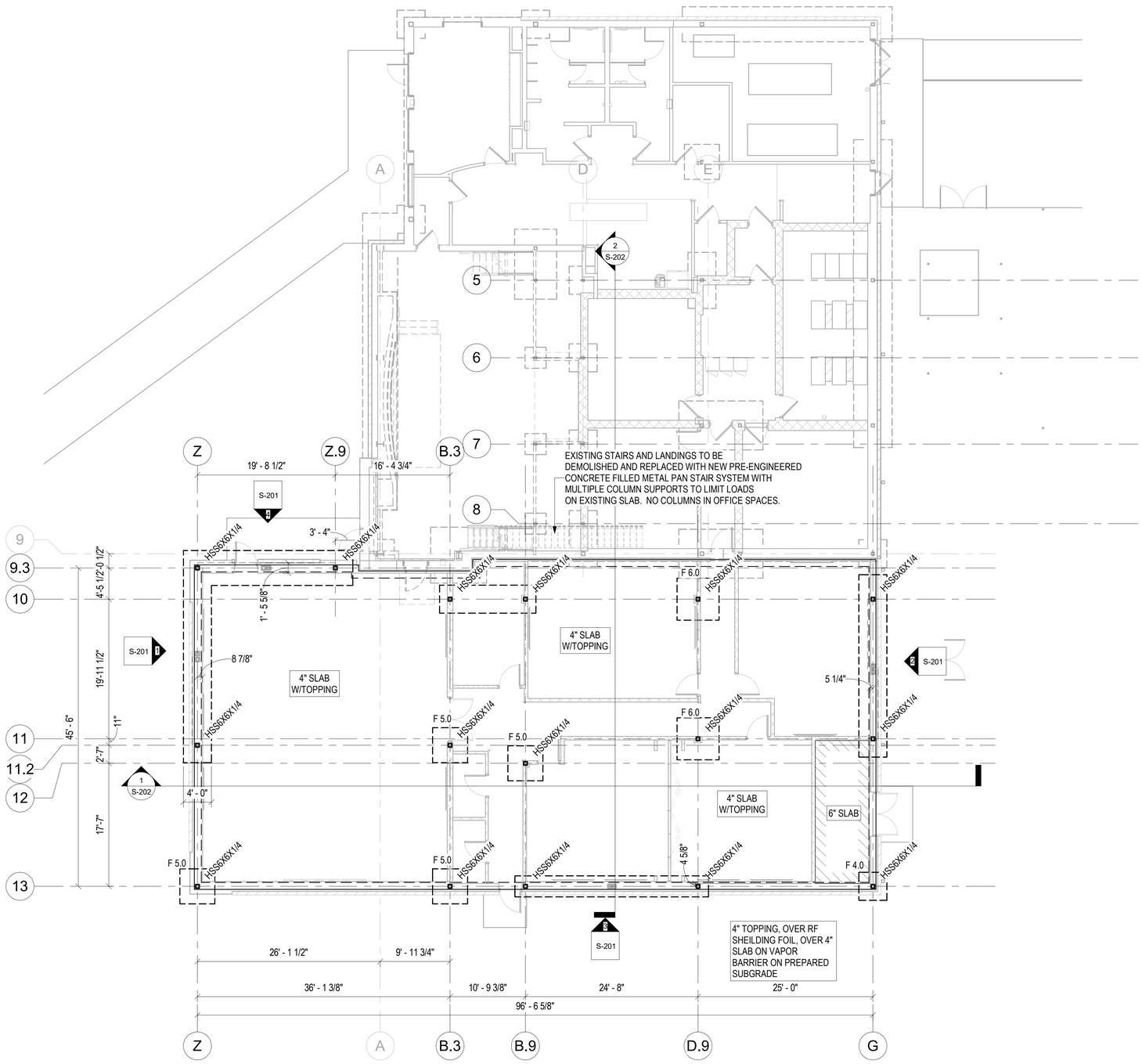
TITLE: ADDITION AND RENOVATION B521

CONTENTS: GENERAL NOTES CONT. & WIND LOAD DIAGRAM

DATE: 13 MARCH 2024
SCALE: AS SHOWN

INDEX NO. S-002

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
21AX	FTFA 23-MM06	FTFA 23-MM06		



1 S-101 **FOUNDATION PLAN**

1/8" = 1'-0"

T.O.SLAB REF. ELEV: 0'-0" U.N.O.; REF. EL: 0'-0" = ELEV: xxxx'

LEGEND

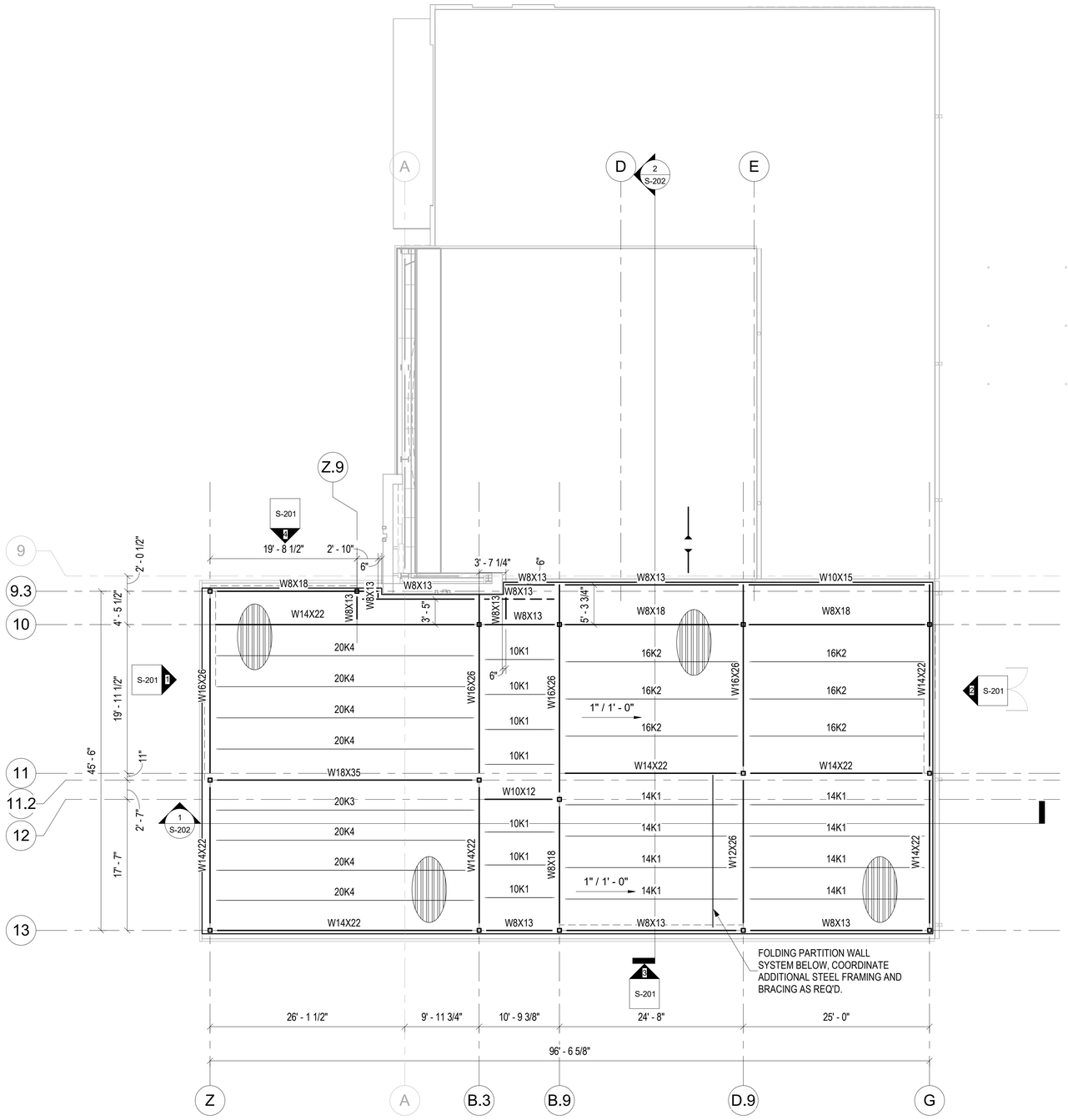
S.C.J.	=	SAWN CONTRACTION JOINT OR CONSTRUCTION JOINT; CONTRACTOR'S OPTION U.N.O. PLACE S.C.J. AT 15'-0" O.C. MAXIMUM SPACING, TYPICAL
-X'-X"	=	SLAB DEPRESSION; SEE PLAN FOR DEPRESSION EXTENTS AND DEPRESSION DEPTH BELOW REF. EL: 0'-0"
6" SLAB	=	6" MINIMUM THICKNESS SLAB-ON-GRADE REINFORCED WITH WWF 6x6 W4.0xW4.0WITH 3" CLR. POSITIVE SUPPORT FROM BOTTOM OF SLAB. SLAB SHALL BE PLACED OVER A VAPOR BARRIER AND CAPILLARY BREAK AS INDICATED IN THE GENERAL NOTES SECTION 2.08 ON SHEET S-001.
4" SLAB W/TOPPING	=	4" TOPPING SLAB OVER A 4" MINIMUM THICKNESS SLAB-ON-GRADE. BOTH SLABS REINFORCED WITH WWF 6x6 W2.9xW2.9 WITH 2" CLR. POSITIVE SUPPORT FROM BOTTOM OF SLAB. SLAB SHALL BE PLACED OVER A VAPOR BARRIER AND CAPILLARY BREAK AS INDICATED IN THE GENERAL NOTES SECTION 2.06 ON SHEET S-001.
	=	(2) #4x4'-0" RE-ENTRANT CRACK CONTROL REINF. W/1" CLR TO TOP OF SLAB

G.C. NOTE: NO FOUNDATION UNDERCUT SHALL OCCUR WITHIN 10.0-FEET OF THE EXISTING BUILDING AS MEASURED FROM THE EXISTING EXTERIOR WALL FACE.

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY J.J DEREUIL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. J.J DEREUIL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: FOUNDATION & SLAB-ON-GRADE PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. S-101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. FTFA 23-MM06 — FILE NO. — SHEET OF



1 S-102 ROOF FRAMING PLAN
1/8" = 1'-0"

ROOF FRAMING NOTES & LEGEND

(E) = EXISTING STRUCTURAL MEMBER

= 1.5" TYPE B 20 GA VULCRAFT OR EQUIVALENT ROOF DECK
TH= 0.0358 in I= 0.201 in^4/ft

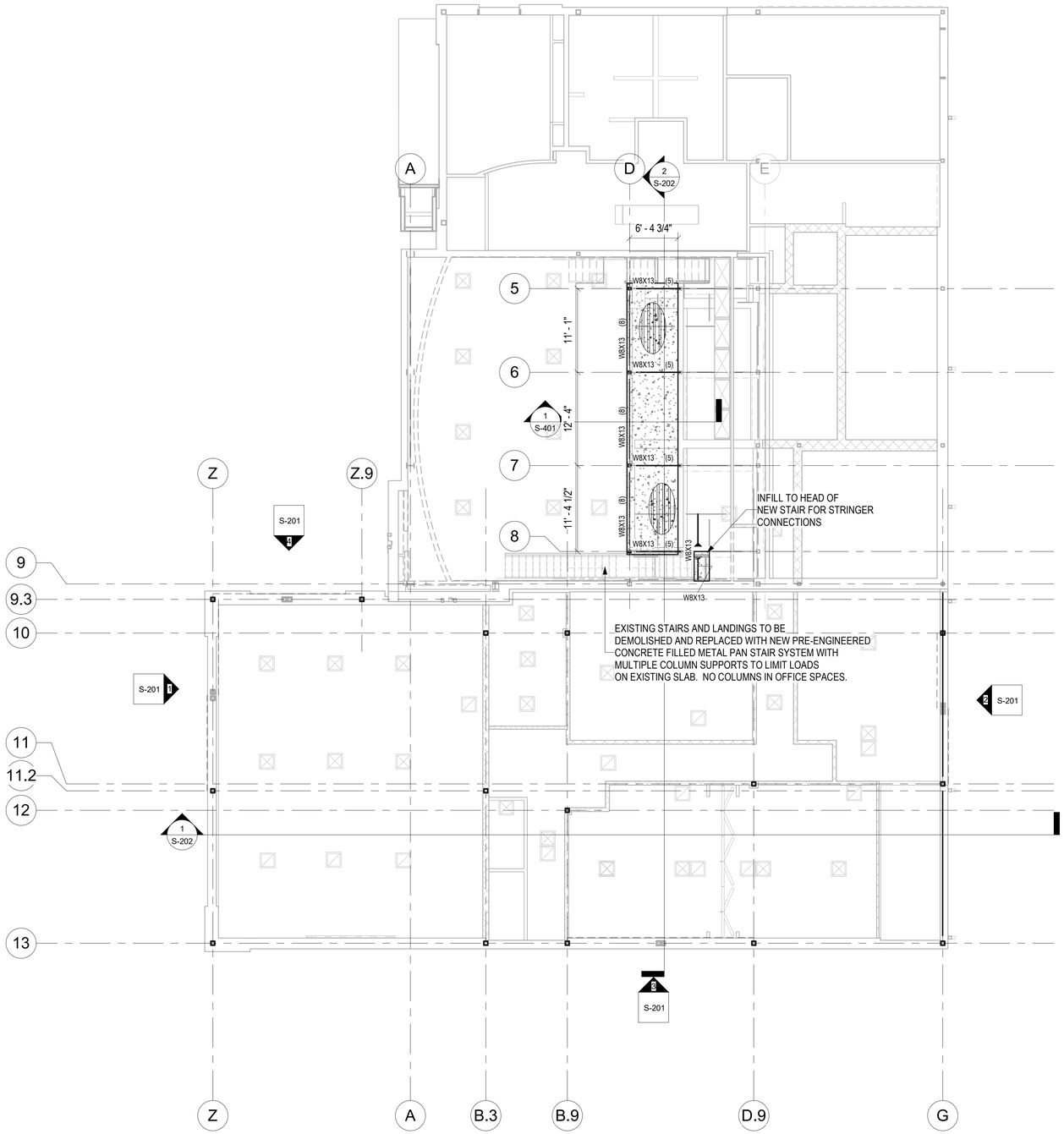
SPAN DIRECTION

INSTALLATION/ATTACHMENT:
SUPPORT FASTENERS: SIMPSON XLQ114T1224
SIDELAP FASTENERS: SIMPSON XU34S1016
FASTENER LAYOUT:
ZONES 1, 2 & 3: XLQ114T1224 @ 36/7 PATTERN
NO OF SIDELAP FASTENER PER SPAN: 10

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

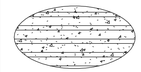
DATE / SIGNATURE	DRAWN BY: L.J DEREUIL; PROJ. ENGR.: L.J DEREUIL	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ROOF FRAMING PLAN	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO. S-102	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. FTFA 23-MM06	FILE NO. / SHEET OF



1 S-103 TIER 3 EXTENSION
1/8" = 1'-0"

LEGEND

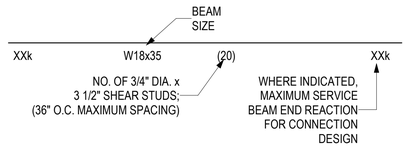
COMPOSITE FRAMING NOTES:



= 2" TYPE VLI 20 GA VULCRAFT OR EQUIVALENT (TH= 0.0358 in, I= 0.409 in^4/ft) W/ 2" CONCRETE COVER (4" TOTAL) REINFORCED W/ONE LAYER WWF 6x6 W2.9 x W2.9.

INSTALLATION/ATTACHMENT:
SUPPORT FASTENERS: PUDDLE WELDS/SHEAR STUDS
SIDELAP FASTENERS: #10 TEK SCREWS
FASTENER LAYOUT: 12" MAX SPACING
SIDE LAP FASTENER @ 24" O.C. TYP.

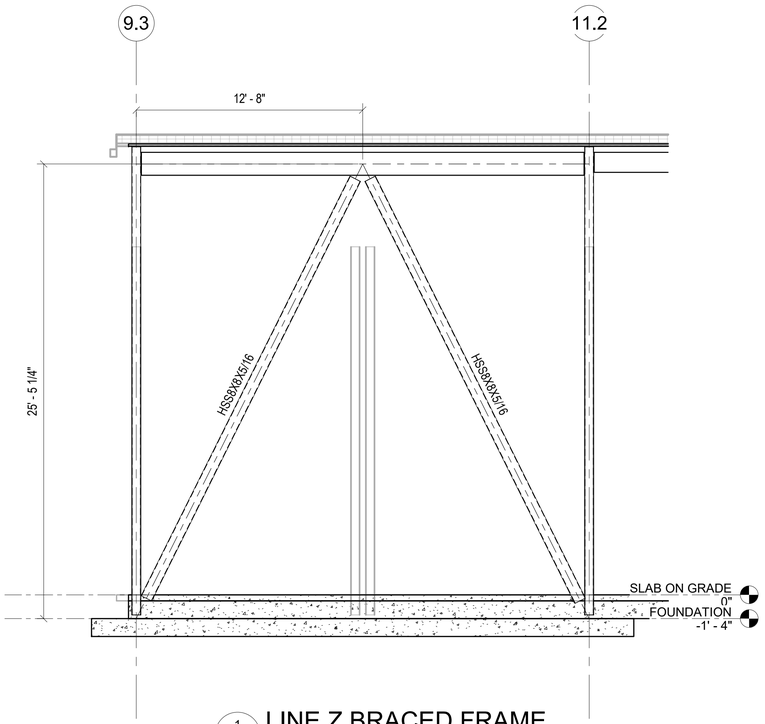
BEAM LEGEND



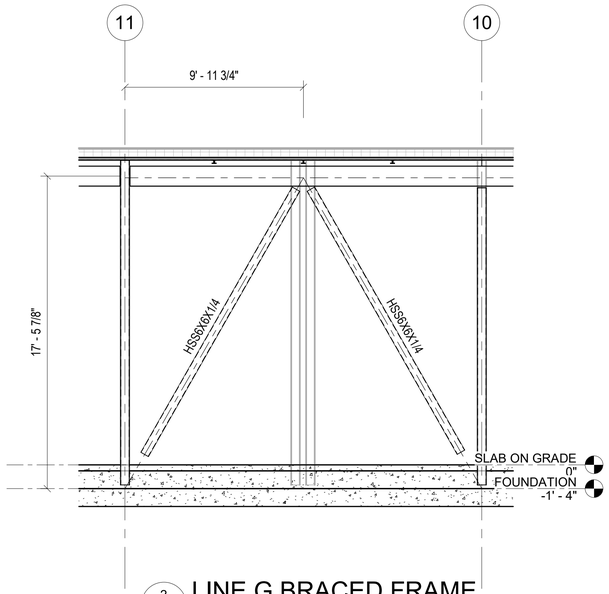
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

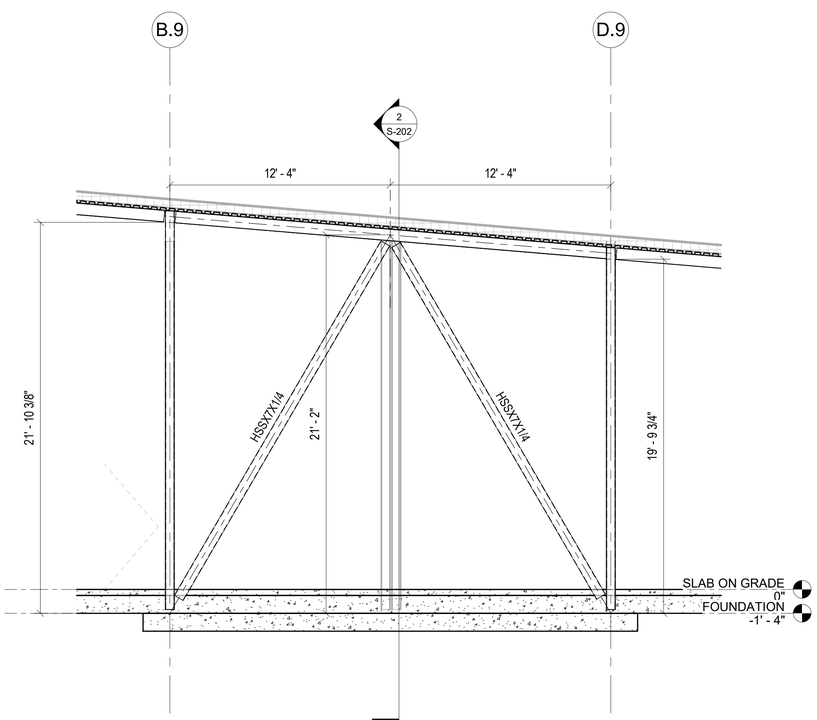
DATE	DRAWN BY J.J DEREUIL	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. J.J DEREUIL		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	TIER EXTENSION FRAMING PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. S-103	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO.	SHEET OF



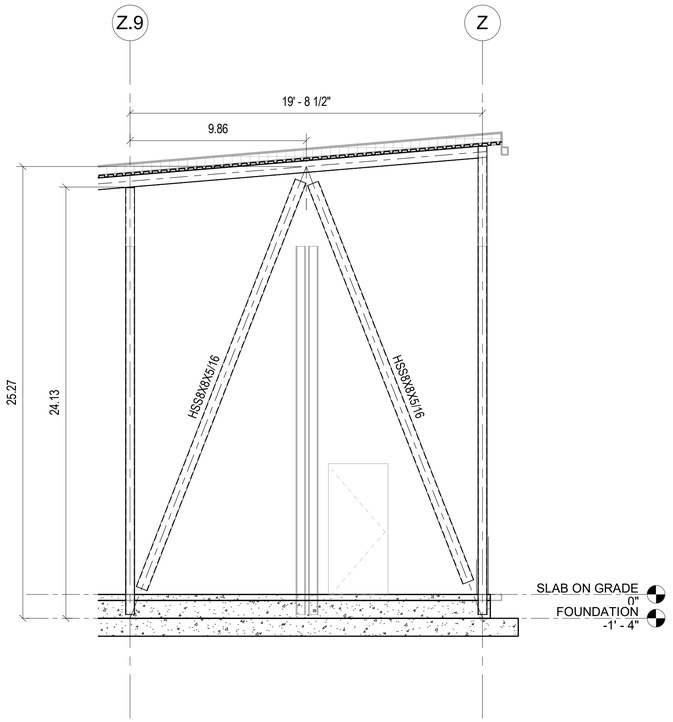
1 S-201 LINE Z BRACED FRAME
1/4" = 1'-0"



2 S-201 LINE G BRACED FRAME
1/4" = 1'-0"



3 S-201 LINE 13 BRACED FRAME
1/4" = 1'-0"

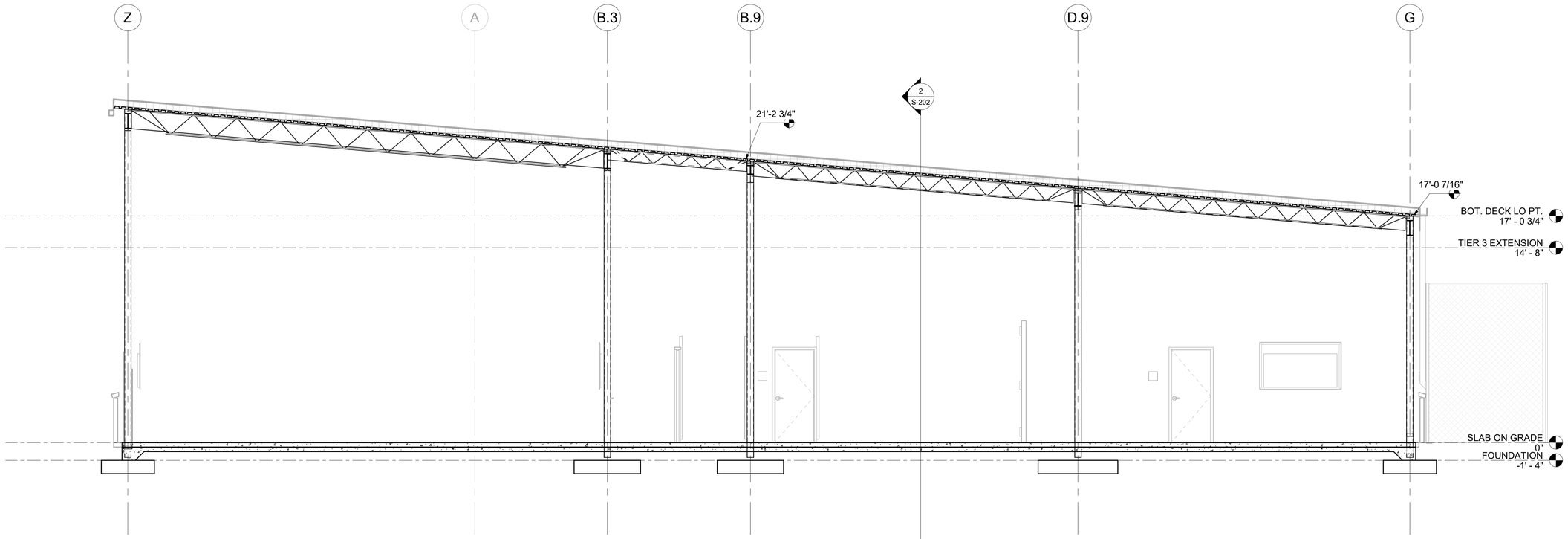


4 S-201 LINE 9.3 BRACED FRAME
1/4" = 1'-0"

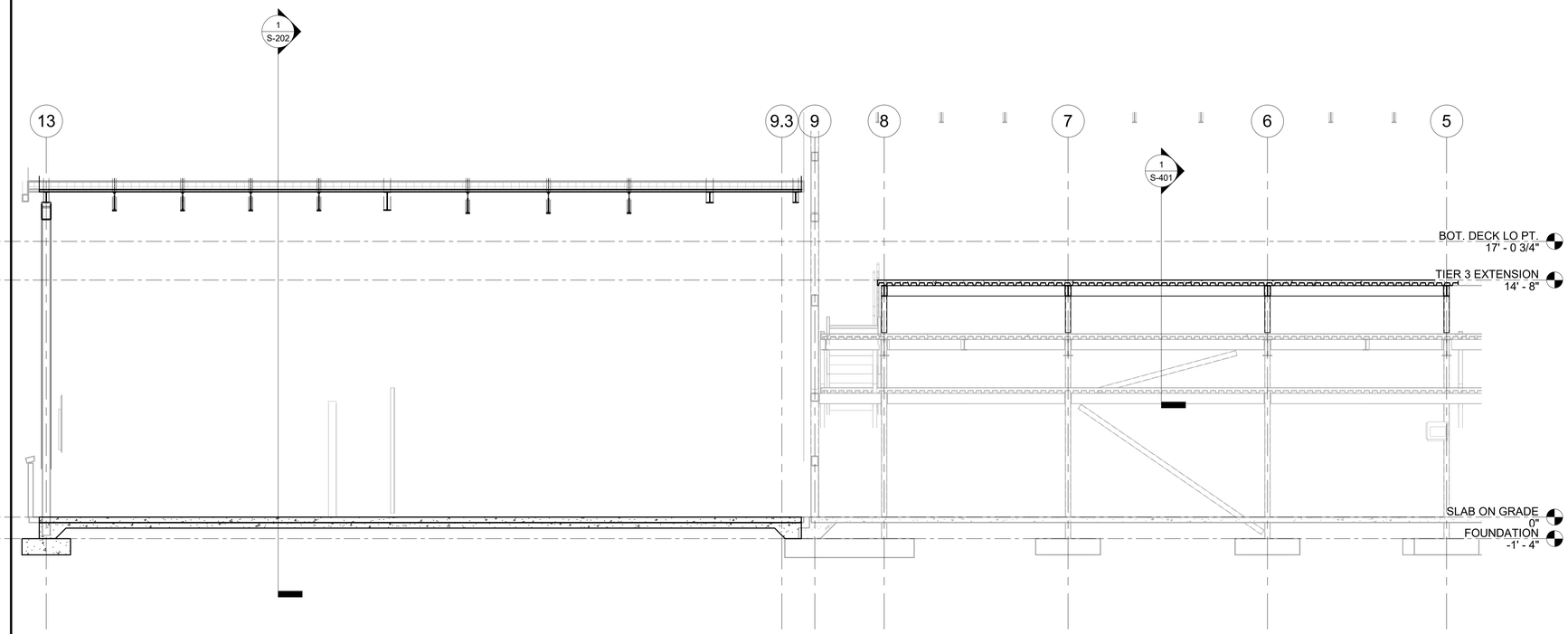
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY: J.J DEREUIL	TITLE: ADDITION AND RENOVATION B521	
SIGNATURE	PROJ. ENGR: J.J DEREUIL		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: BRACED FRAMES	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO. S-201	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. FTFA 23-MM06	FILE NO.	SHEET OF



1 S-202 LONGITUDINAL BUILDING SECTION
1/4" = 1'-0"



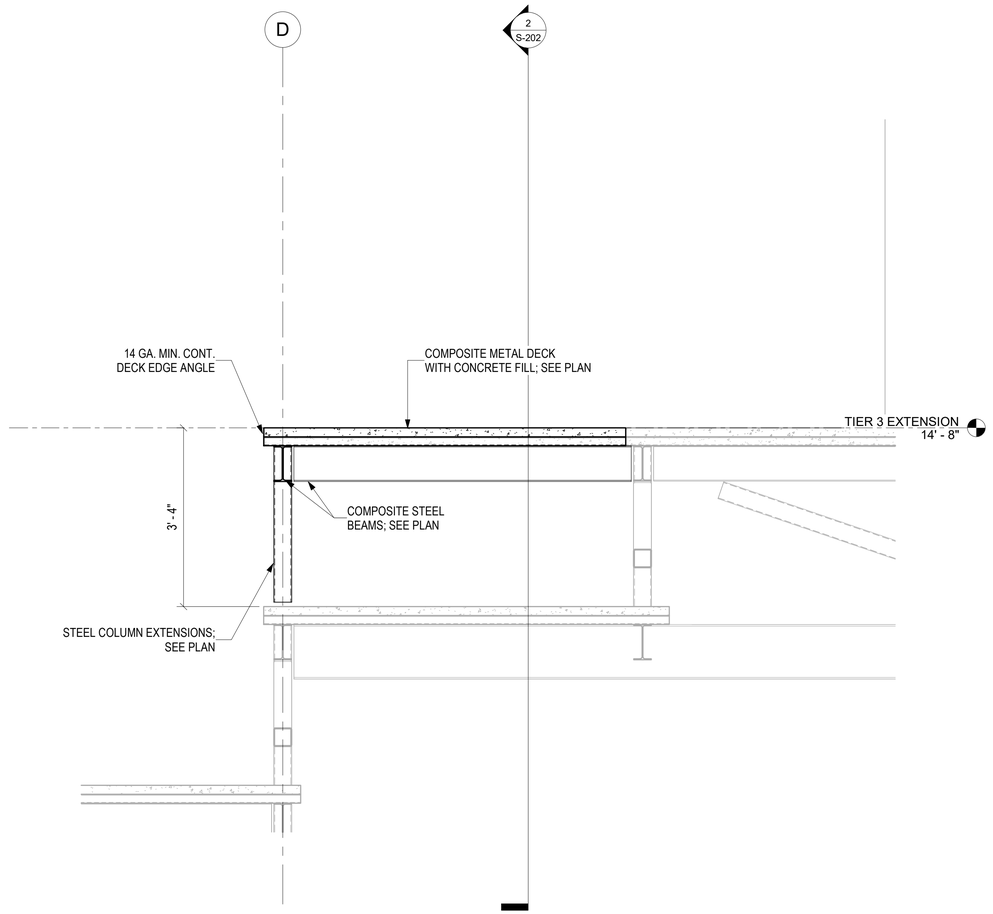
2 S-202 TRANSVERSE BUILDING SECTION
1/4" = 1'-0"

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY I.J DEREUIL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. I.J DEREUIL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: BUILDING SECTIONS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. S-202	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET
21AX	FTFA 23-MM06	FTFA 23-MM06		OF



1 S-401 SECTION THRU TIER EXTENSION
3/4" = 1'-0"

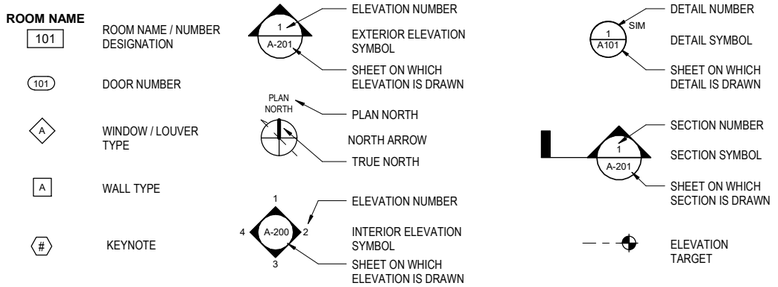
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY J.J DEREUIL	TITLE
SIGNATURE	PROJ. ENGR. J.J DEREUIL	ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS
APPROVED ASUS	APPROVED COMMUNICATIONS	SECTIONS AND DETAILS
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. S-401	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
21AX	FTFA 23-MM06	FTFA 23-MM06		

SYMBOLS LEGEND



ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT, ADJOINING, ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT(URAL)
BD	BOARD
BLDG	BUILDING
BOT	BOTTOM
BRG	BEARING
BRG PL	BEARING PLATE
BUR	BUILT-UP ROOFING
CF/CI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CF/GI	CONTRACTOR FURNISHED/ GOVERNMENT INSTALLED
CID	COMPREHENSIVE INTERIOR DESIGN PACKAGE
CIP	CAST-IN-PLACE, CAST IRON PIPE
CJ	CONSTRUCTION JOINT/CONTROL JOINT
CL	CENTER LINE, CLASS, CLOSE
CLG	CEILING
CLR	CLEAR, COLOR, COOLER
CMU	CONCRETE MASONRY UNIT
CPT	CARPET
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACT, CONTRACTOR
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CORR	CORRIDOR
COTR	CONTRACTING OFFICER TECHNICAL REPRESENTATIVE
CU FT	CUBIC FEET
CU YD	CUBIC YARD
D	DRYER
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWS	EYE WASH STATION
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF EL	FINISH FLOOR ELEVATION
FIN GR	FINISH GRADE
FLR	FLOOR
FP	FIREPROOF
FT	FEET, FOOT
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED IRON
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GF/GI	GOVERNMENT FURNISHED/ GOVERNMENT INSTALLED
GF/CI	GOVERNMENT FURNISHED/ CONTRACTOR INSTALLED
GL	GLASS
GLZ	GLAZING
GMS	GALVANIZED METAL STUD
GYP BD	GYPSUM BOARD
HB	HOSE BIBB
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING/VENTILATING/AIR COND
IBC	INTERNATIONAL BUILDING CODE
INCL	INCLUDED
INSUL	INSULATION
INT	INTERIOR
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MS	MOP SINK
MT	MOUNT
MTD	MOUNTED
MTG	MEETING
MTL	METAL
MW	MICROWAVE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OF/OI	OWNER FURNISH/ OWNER INSTALLED
OF/CI	OWNER FURNISH/ CONTRACTOR INSTALLED
OH	OVERHANG, OVERHEAD
OH DR	OVERHEAD (COILING) DOOR
OPNG	OPENING
OPP	OPPOSITE
PCF	POUNDS PER CUBIC FOOT
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PVC	POLYVINYL CHOLORIDE
R	RADIUS, RANGE, RISER
RCP	REFLECTED CEILING PLAN
RD	REINFORCING STEEL BARS REBAR
REF	REFERENCE, REFRIGERATOR
REG	REGISTER
REINF	REINFORCE
RET	RETURN
REV	REVISION
RH	RIGHT HAND
RM	ROOM
ROW	RIGHT OF WAY
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FOOT(FEET)
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	SOLID SURFACE
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TE	TOP ELEVATION
TEL	TELEPHONE
TOC	TOP OF CONCRETE
TOS	TOP OF SLAB, TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL
U	URINAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
VTR	VENT THROUGH ROOF
W	WASHER, WEST, WIDE
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WATERPROOFING
WSCT	WAINSCOT

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE

DRAWN BY M. NOELL
PROJ. ENGR. J. SAWYER
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED SECURITY FORCES
APPROVED USING AGENCY
APPROVED ASUS
APPROVED COMMUNICATIONS
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER

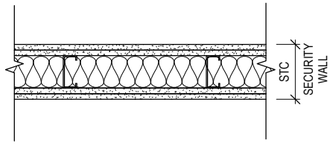
TITLE
ADDITION AND RENOVATION B521

CONTENTS
ABBREVIATIONS & LEGENDS

DATE 13 MARCH 2024
SCALE AS SHOWN

INDEX NO. A-001
SPEC. NO. 23AH
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
SHEET OF

INTERIOR PARTITION TYPES

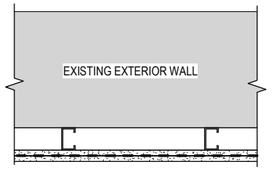


WALL TYPE "1"

SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD.
- 3 5/8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD.

NOTE:
-EXTEND PARTITION TO SECURE CEILING ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER



WALL TYPE "2"

SECURE AREA: RF SHIELDING TO EXISTING SECURE AREA B WALL ASSEMBLY

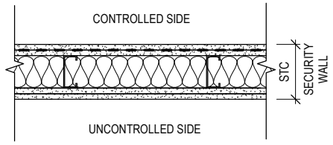
- EXISTING EXTERIOR WALL ASSEMBLY
- 2-1/2" 16 GA GALVANIZED METAL STUD AT 16" O.C.
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.

WALL TYPE "2A"

SECURE AREA: RF SHIELDING TO EXISTING SECURE AREA A WALL ASSEMBLY

- EXISTING EXTERIOR WALL ASSEMBLY
- 3-5/8" 16 GA GALVANIZED METAL STUD AT 16" O.C.
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.

NOTE:
- EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER.
- ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION.
- BRACE STUDS AT 3RD POINTS.

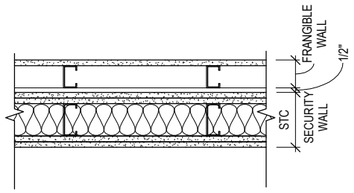


WALL TYPE "3"

SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE
- 3 5/8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD.

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER.
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION.



WALL TYPE "4"

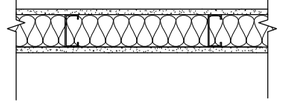
SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD.
- 3 5/8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION

FRANGIBLE PORTION OF PARTITION (PROVIDE @ SECURE SIDE OF STC/ SECURITY WALL):
- 2 1/2" GALVANIZED METAL STUDS AT 16" O.C. (BRACED AT THIRD POINTS)
- 5/8" TYPE "X" GYPSUM WALLBOARD

NOTE:
-EXTEND TO 6" ABOVE HIGHEST ADJACENT CEILING
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION



WALL TYPE "5"

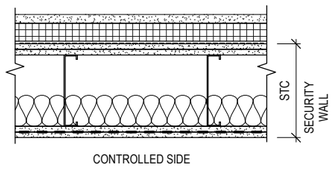
- 5/8" TYPE "X" GYPSUM WALLBOARD.
- 3 5/8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- 5/8" TYPE "X" GYPSUM WALLBOARD.

WALL TYPE "5A"

- 5/8" TYPE "X" GYPSUM WALLBOARD (EXTERIOR ONLY).
- 3 5/8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY

NOTE:
-EXTEND PARTITION TO SECURE CEILING ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER

EXTERIOR PARTITION TYPES



WALL TYPE "6"

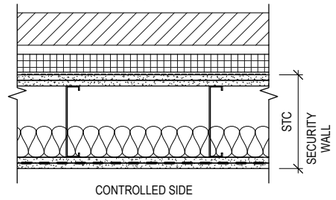
SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

- STUCCO
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.

WALL TYPE "6A"

- STUCCO
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.
- 1" AIR SPACE
- 2-1/2" 16 GA. GALVANIZED METAL STUD AT 16" O.C.
- 5/8" TYPE "X" GYPSUM WALLBOARD

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION



WALL TYPE "7"

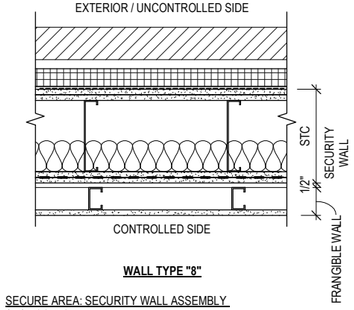
SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

- BRICK VENEER
- AIR SPACE
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.

WALL TYPE "7A"

- BRICK VENEER
- AIR SPACE
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.
- 1" AIR SPACE
- 2-1/2" 16 GA. GALVANIZED METAL STUD AT 16" O.C.
5/8" TYPE "X" GYPSUM WALLBOARD

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION



WALL TYPE "8"

SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

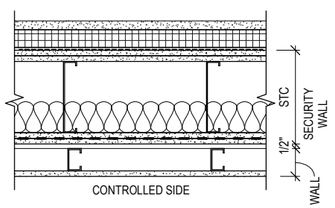
- BRICK VENEER
- AIR SPACE
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION

FRANGIBLE PORTION OF PARTITION (PROVIDE @ EACH SIDE OF STC/ SECURITY WALL):
- 2 1/2" GALVANIZED METAL STUDS AT 16" O.C. (BRACED AT THIRD POINTS)
- 5/8" TYPE "X" GYPSUM WALLBOARD

NOTE:
-EXTEND TO 6" ABOVE HIGHEST ADJACENT CEILING
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION

NOTE USED



WALL TYPE "9"

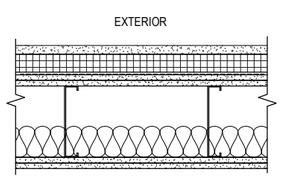
SECURE AREA: SECURITY WALL ASSEMBLY
STC 54 (MIN)

- STUCCO
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD, PROVIDE RF SHIELDING FOIL BETWEEN GYPSUM WALLBOARD LAYERS AND LAP RF FOIL AT CONC. FLOOR AND SECURITY CEILING ABOVE.

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION

FRANGIBLE PORTION OF PARTITION (PROVIDE @ EACH SIDE OF STC/ SECURITY WALL):
- 2 1/2" GALVANIZED METAL STUDS AT 16" O.C. (BRACED AT THIRD POINTS)
- 5/8" TYPE "X" GYPSUM WALLBOARD

NOTE:
-EXTEND TO 6" ABOVE HIGHEST ADJACENT CEILING
-ALL FASTENERS THAT PENETRATE FOIL SHIELDING SHALL BE UNCOATED CONDUCTIVE FASTENERS TO PROVIDE GROUNDED INSTALLATION



WALL TYPE "10"

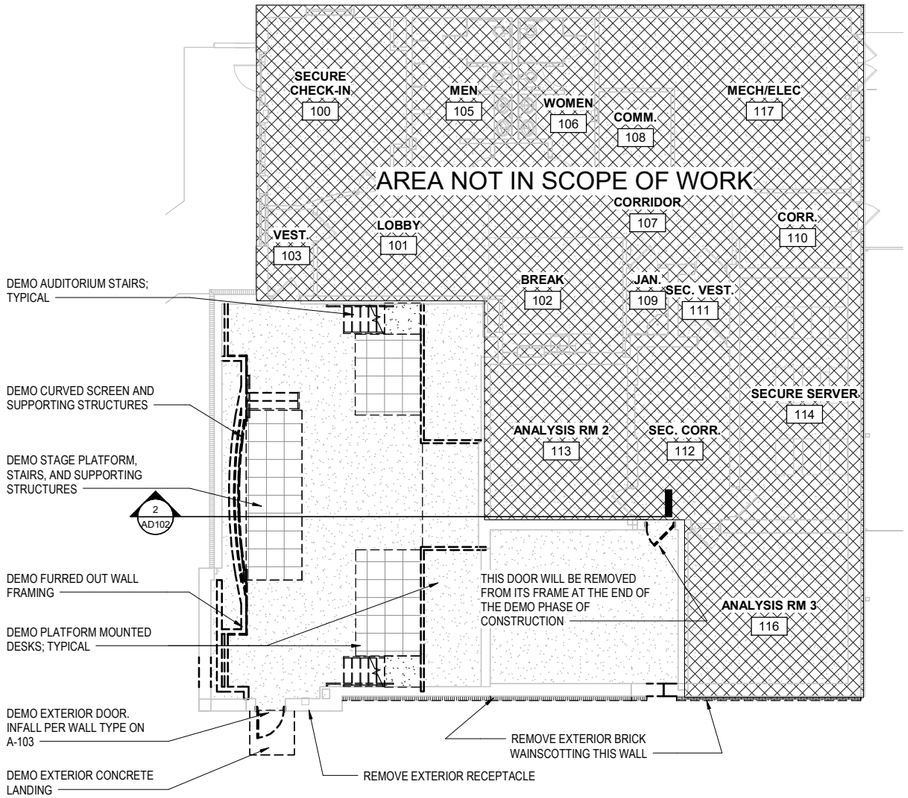
- STUCCO
- R-10 MIN RIGID FOAM INSULATION
- LIQUID APPLIED VAPOR BARRIER
- TWO LAYERS OF 5/8" GYPSUM SHEATHING
- 8" - 16 GA GALVANIZED METAL STUDS AT 16" O.C.
- MINIMUM 3 1/2" MINERAL FIBER INSULATION IN STUD CAVITY
- TWO LAYERS OF 5/8" TYPE "X" GYPSUM WALLBOARD.

NOTE:
-EXTEND PARTITION TO METAL ROOF DECK ABOVE AND SEAL ALL PENETRATIONS THROUGH WALL AND WALL PERIMETER

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. L. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: WALL TYPES
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96CEG/CEN — DATE 13 MARCH 2024
INDEX NO. A-002	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 — DRAWING NO. — FILE NO. — SHEET OF

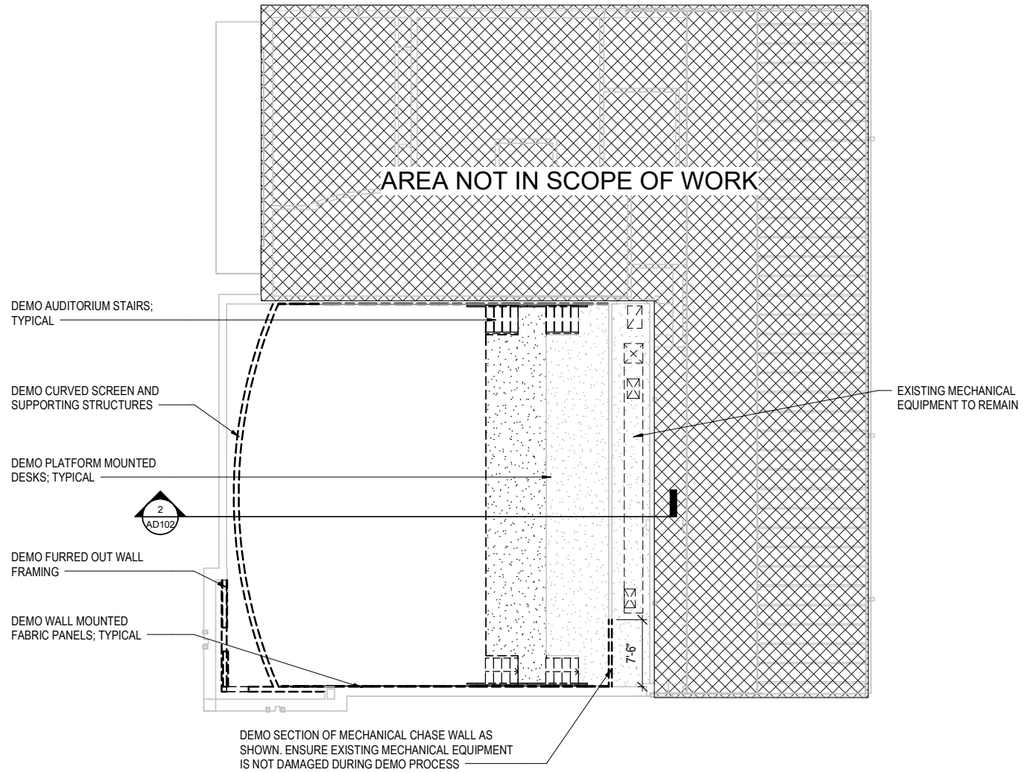


PLAN NORTH 1 AD101

01 - FLOOR PLAN DEMO

1/8" = 1'-0"

I-201 2



PLAN NORTH 2 AD101

02 - FLOOR PLAN DEMO

1/8" = 1'-0"

GRAPHIC LEGEND

ROOM NAME 101	ROOM NAME / NUMBER DESIGNATION
#	KEYNOTE
	REMOVE EXISTING CONSTRUCTION (AS INDICATED WITH DASHED LINES)
	EXISTING CONSTRUCTION TO REMAIN (AS INDICATED WITH LIGHT SOLID LINES)
	DEMO 24" x 24" ACOUSTIC CEILING TILE AND GRID THIS AREA
	AREA NOT IN SCOPE OF WORK

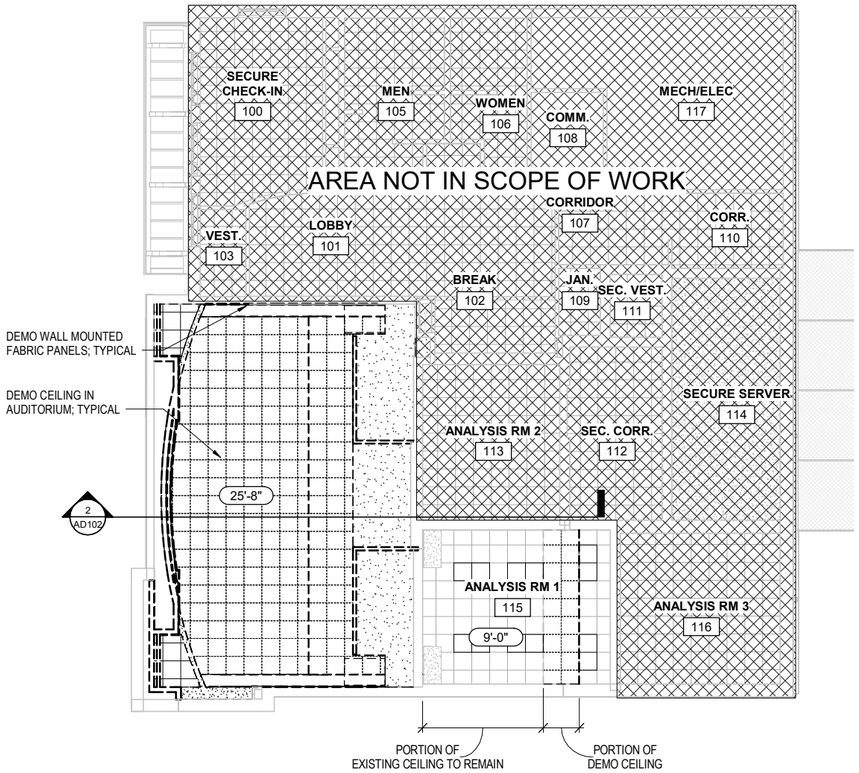
0 4' 8' 16'

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY M. NOELL; PROJ. ENGR. J. SAWYER	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: OVERALL FLOOR PLANS - DEMO	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. AD101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

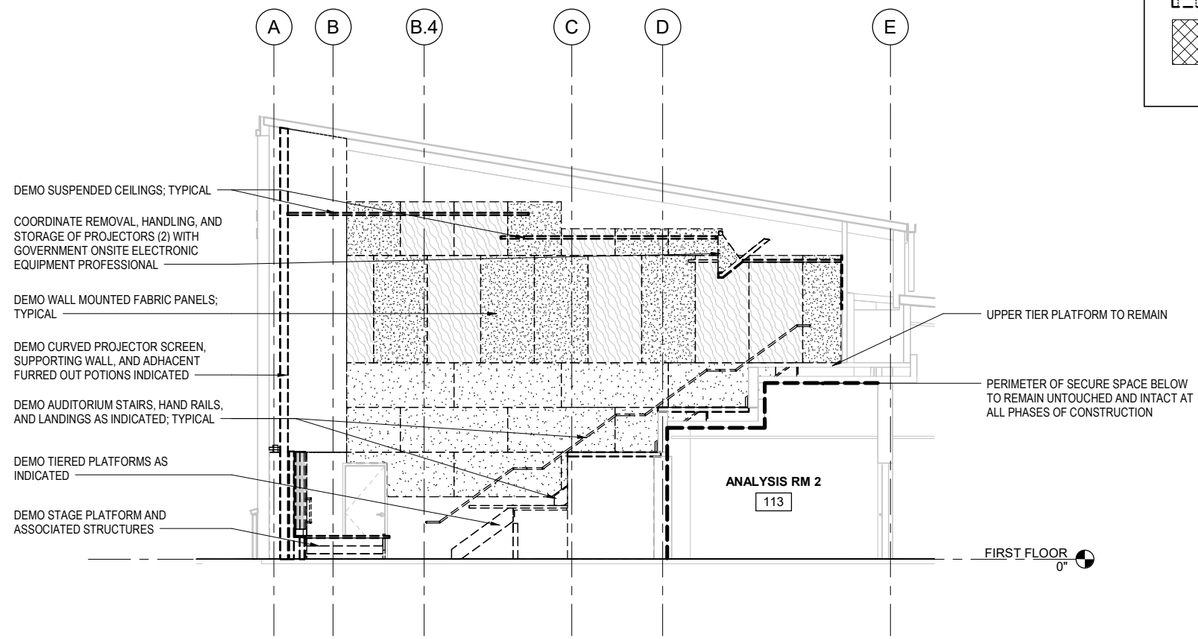


PLAN NORTH

1 AD102 OVERALL DEMO CEILING PLAN

1/8" = 1'-0"

I-201 2



2 AD102 AUDITORIUM SECTION - DEMO

3/16" = 1'-0"

GRAPHIC LEGEND

ROOM NAME 101	ROOM NAME / NUMBER DESIGNATION
#	KEYNOTE
	REMOVE EXISTING CONSTRUCTION (AS INDICATED WITH DASHED LINES)
	EXISTING CONSTRUCTION TO REMAIN (AS INDICATED WITH LIGHT SOLID LINES)
	DEMO 24" x 24" ACOUSTIC CEILING TILE AND GRID THIS AREA
	AREA NOT IN SCOPE OF WORK

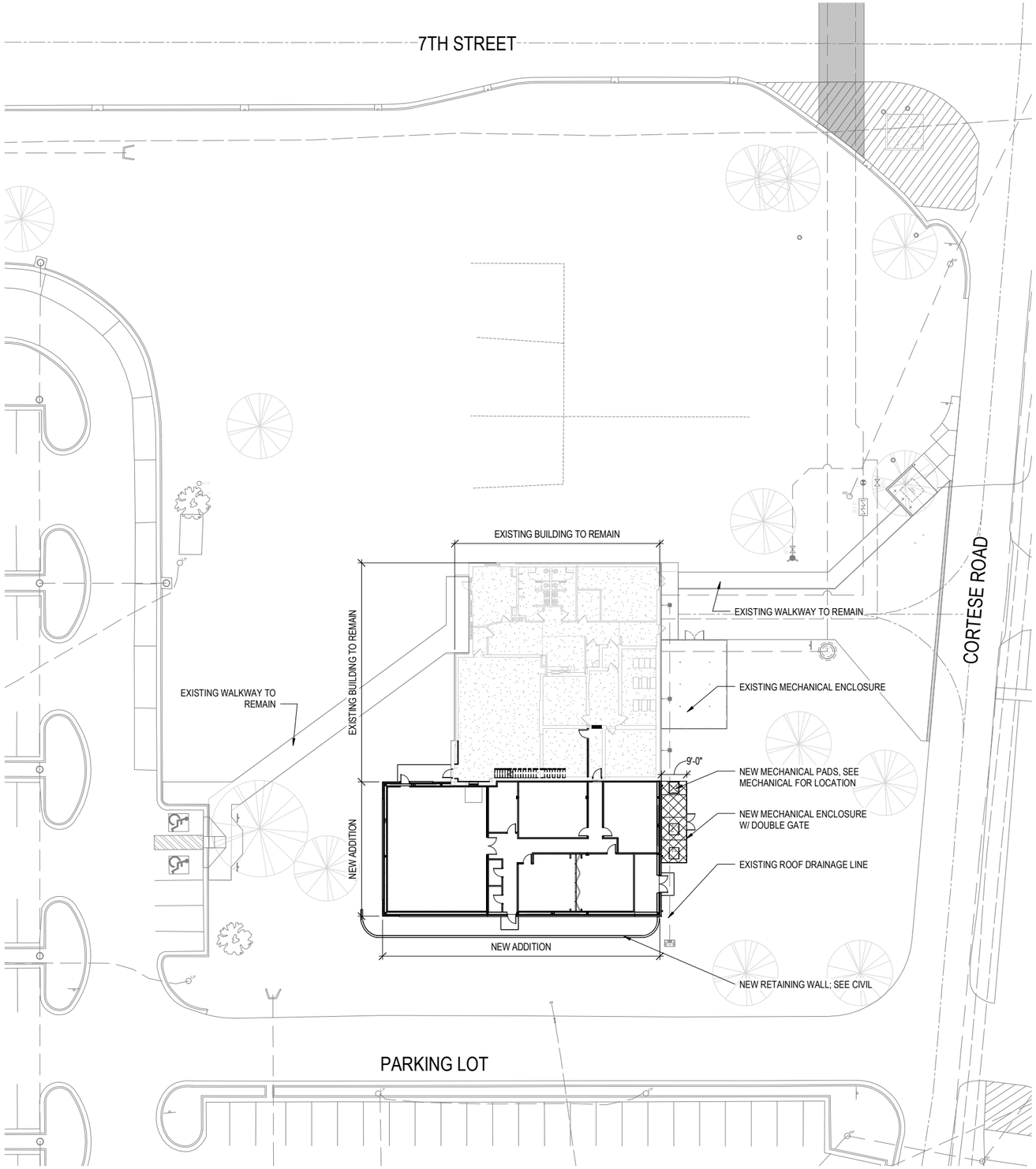
0 4' 8' 16'

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: M. NOELL; PROJ. ENGR.: J. SAWYER	TITLE: ADDITION AND RENOVATION B521	
	APPROVED: FIRE PREVENTION		
	APPROVED: SAFETY REPRESENTATIVE		
	APPROVED: DIR. BASE MED. SERVICE		
APPROVED: SECURITY FORCES	APPROVED: USING AGENCY	CONTENTS: OVERALL PLANS CONTINUED - DEMO	
APPROVED: ASUS	APPROVED: COMMUNICATIONS		
APPROVED: CHELCO	APPROVED: OPERATIONS ENGINEERING	APPROVED: 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: AD102	APPROVED: ENVIRONMENTAL	APPROVED: DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



PLAN NORTH

1 / A-100 ARCH SITE PLAN - NEW WORK

1" = 20'-0"

0 10' 20' 40'

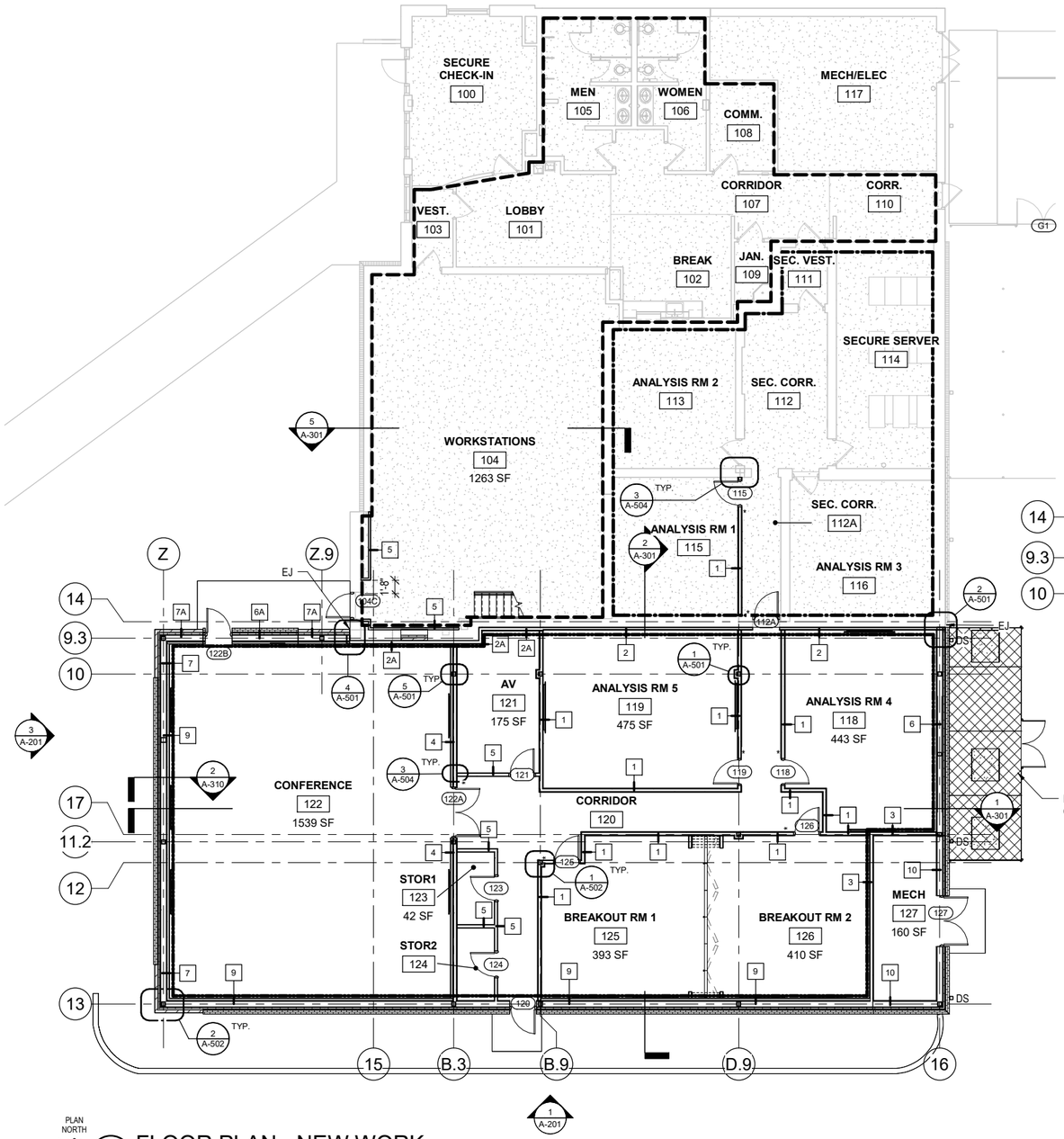
SCALE: 1" = 20'-0"

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. L. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ARCH SITE PLAN - NEW WORK
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN
INDEX NO. A-100	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER

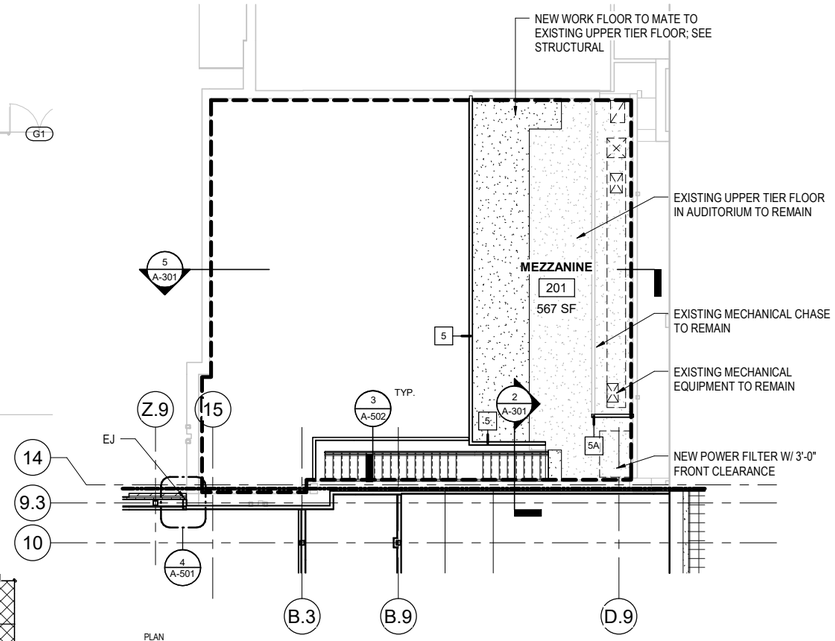
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	DATE	SCALE	SHEET
23AH	FTFA 23-MM06			13 MARCH 2024	AS SHOWN	OF



PLAN NORTH

1 A-101 1/8" = 1'-0"

FLOOR PLAN - NEW WORK



PLAN NORTH

2 A-101 1/8" = 1'-0"

FLOOR PLAN - MEZZANINE NEW WORK

GRAPHIC LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- EXISTING DOOR
- NEW DOOR
- ROOM NAME / 101 — ROOM NAME / NUMBER DESIGNATION
- EXISTING SECURE AREA LIMITS "A"
- EXISTING SECURE AREA LIMITS "B"
- NEW WORK SECURE AREA LIMITS "B1"
- 101 — DOOR NUMBER
- A — WINDOW TYPE
- # A — WALL TYPE (Room name 888A)
- # — KEYNOTE
- ELEV 11.00 — FINISH FLOOR ELEVATION
- FEC — FIRE EXTINGUISHER CABINET (SEMI-RECESSED) AND FIRE EXTINGUISHER
- FD ∘ — FLOOR DRAIN
- ∗ — ACCESS CONTROL DOOR
- ∗ EXIST — EXISTING ACCESS CONTROL DOOR
- C — CIPHER LOCK
- △ — SPIN DIAL COMBINATION LOCK (XO-9)
- DS — PREFINISHED METAL DOWNSPOUT, CONNECT TO STORM DRAIN PIPING, SEE CIVIL DRAWINGS
- EJ — EXPANSION JOINT

SQUARE FOOTAGE SUMMARY

1. EXISTING ~5840 SQ FT
2. EXISTING RENOVATION ~2425 SQ FT
3. NEW ADDITION ~4430 SQ FT

0 4' 8' 16'

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

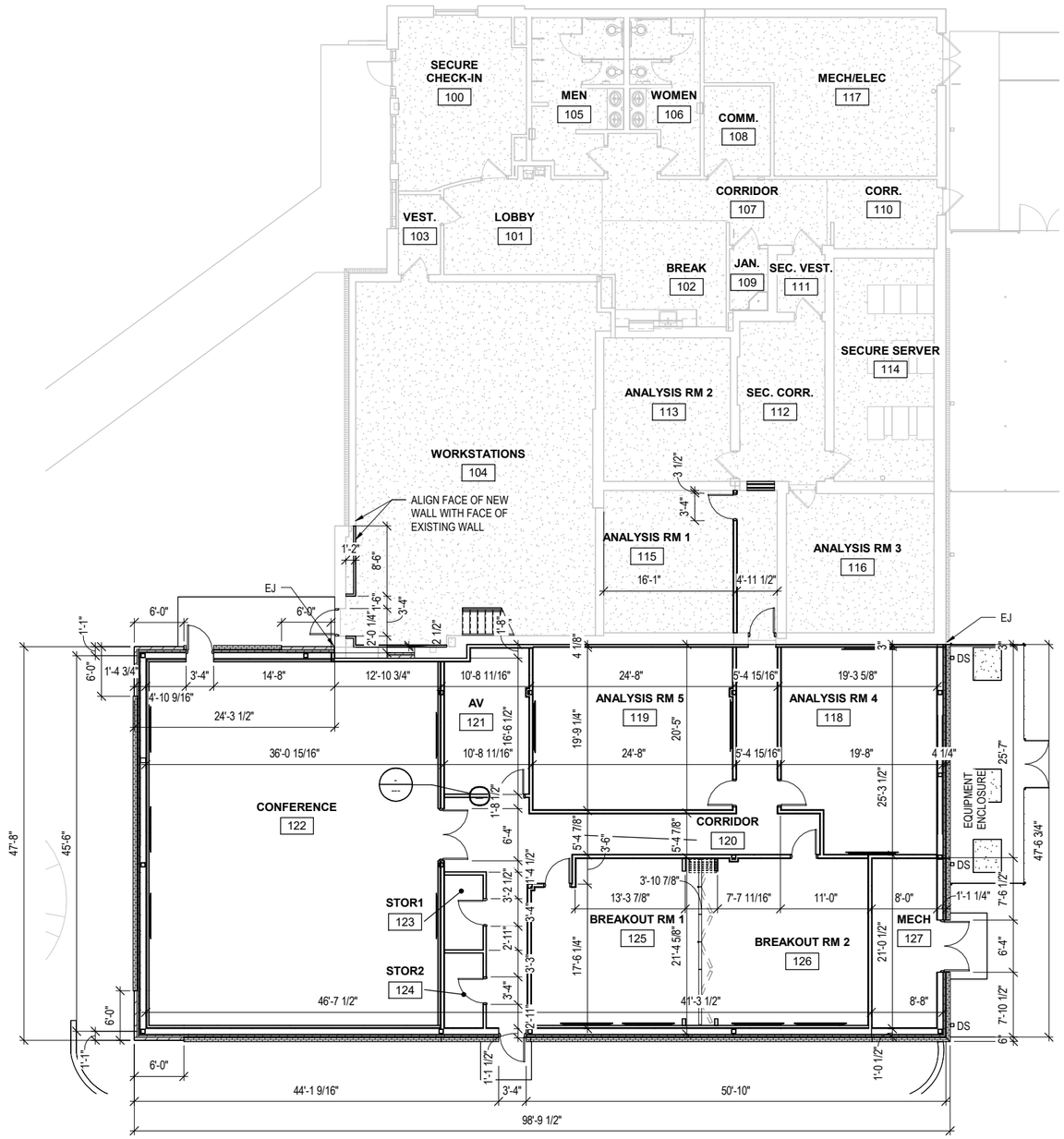
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY M. NOELL; PROJ. ENGR. J. SAWYER	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: OVERALL FLOOR PLANS - NEW WORK	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. A-101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

GENERAL NOTES

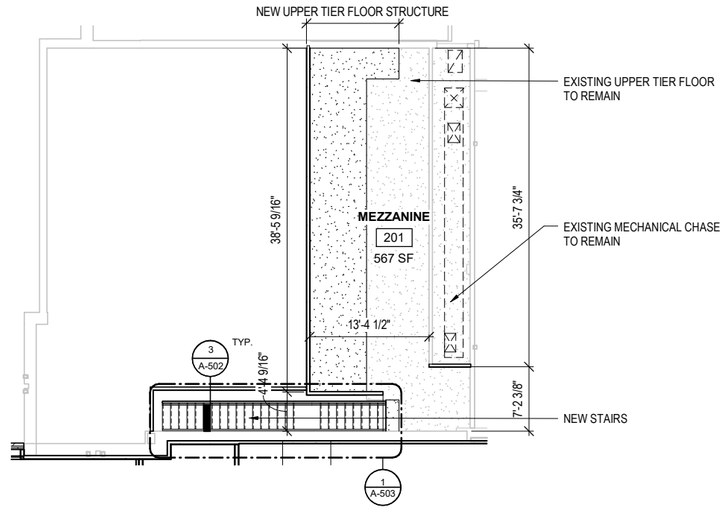
1. REFER TO WALL SECTIONS AND PLAN DETAILS FOR SPECIFIC WALL DIMENSIONS TO COLUMN GRID LINES.
2. SEE SHEET A-002 FOR WALL CONSTRUCTION LEGEND FOR WALL TYPE DESCRIPTIONS.
3. ALL DIMENSIONS ARE FROM FACE OF STUD, FACE OF BRICK, FACE OF STUCCO, OR WHERE APPLICABLE, COLUMN GRID LINE, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED STAIR PLANS FOR DIMENSIONS AT MEZZANINE ACCESS STAIR, SHEET A-502.
5. SEE STRUCTURAL DRAWINGS FOR COLUMN LINE DIMENSIONS.
6. ALL DIMENSIONS TO EXTERIOR WALL AT CONDITIONS WHERE THERE IS A BRICK ROWLOCK SILL ARE TO FACE OF BRICK VENEER BELOW ROWLOCK SILL.



PLAN NORTH 1 A-102

NEW WORK DIMENSION PLAN

1/8" = 1'-0"



PLAN NORTH 2 A-102

MEZZANINE NEW WORK DIMENSION PLAN

1/8" = 1'-0"

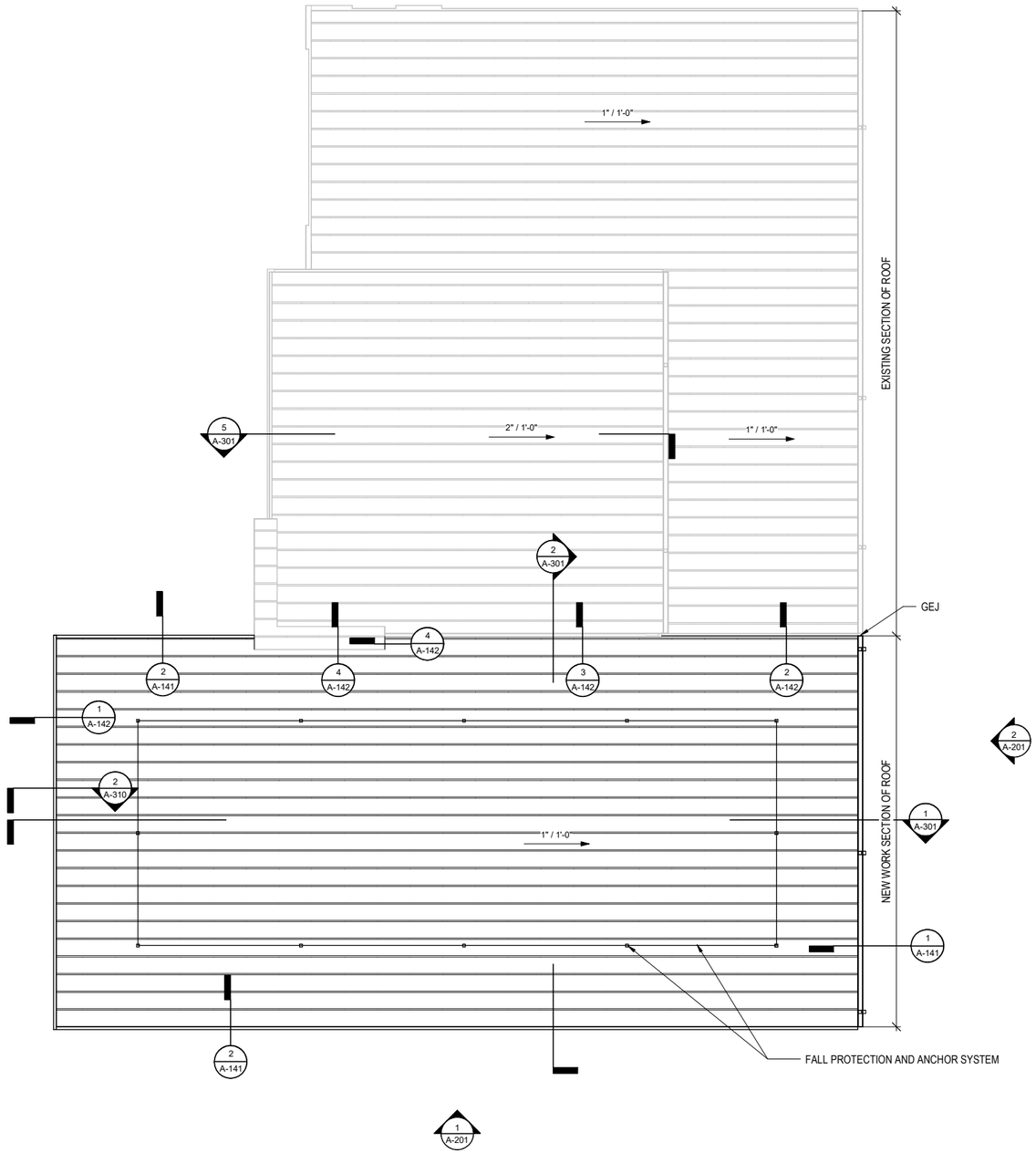
0 4' 8' 16'

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY M. NOELI; PROJ. ENGR. J. SAWYER	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: DIMENSION PLANS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. A-102	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO.; FILE NO.; SHEET OF



PLAN NORTH

1 A-140 NEW WORK ROOF PLAN

1/8" = 1'-0"

ROOF NOTES

1. SLOPE ALL GUTTERS TO DOWNSPOUTS.

2. DOWNSPOUT THAT EXTENDS TO GRADE CONNECTS TO UNDERGROUND STORMWATER PIPING AND SHALL TRANSITION TO STORMWATER PIPING VIA CAST IRON DOWNSPOUT BOOT SIMILAR OR EQUAL TO BARRYCRAFT "B25C".

3. ALIGN NEW ROOF AND EAVE WITH EXISTING.

GRAPHIC LEGEND

	PREFINISHED STANDING SEAM METAL ROOF SYSTEM
1" / 1'-0"	DIRECTION AND DEGREE OF ROOF SLOPE
DS1	PREFINISHED METAL DOWNSPOUT (5"x5"), CONNECT TO UNDERGROUND CIVIL STORMWATER PIPING.
GEJ	GUTTER EXPANSION JOINT

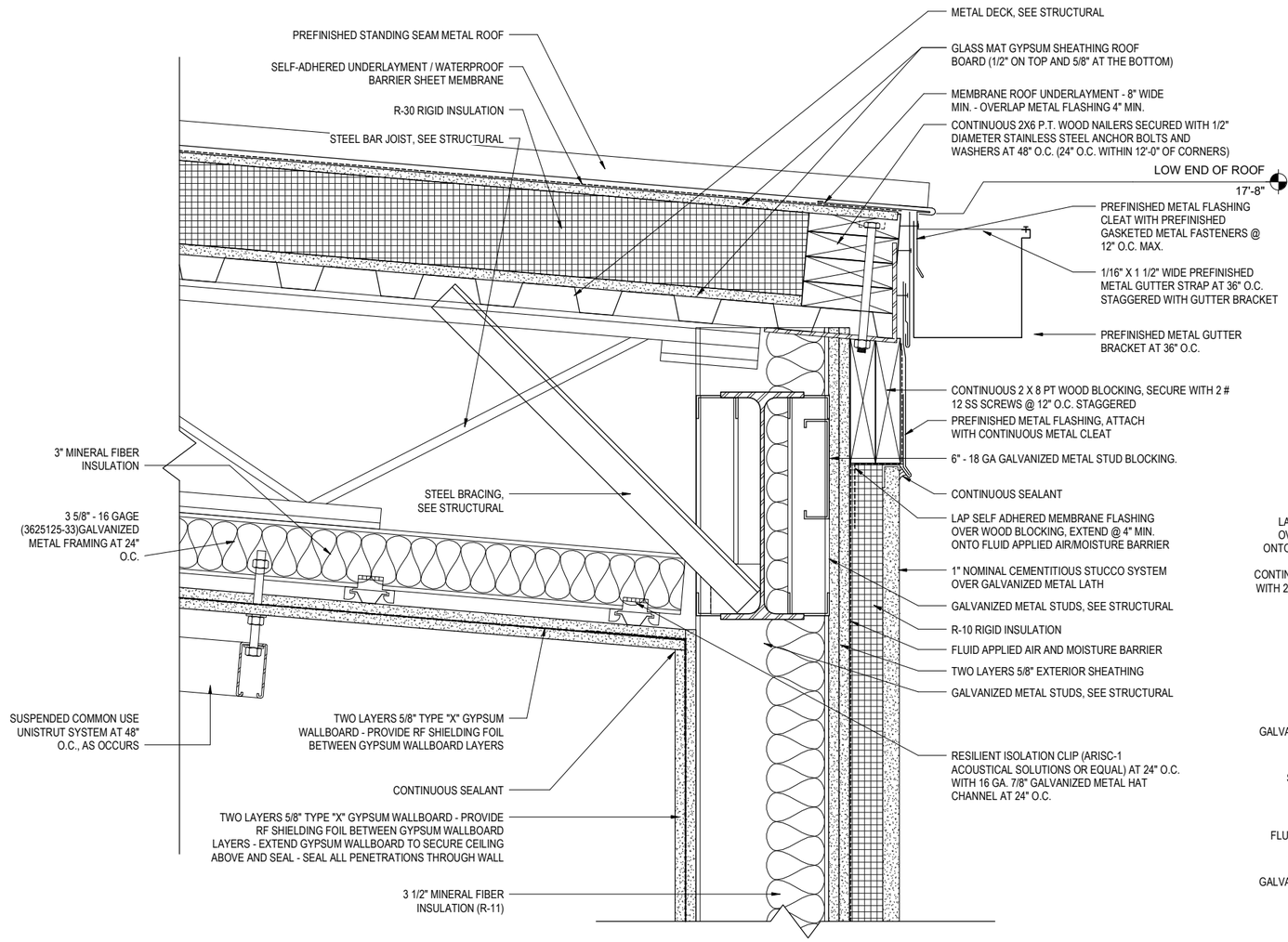
0 4' 8' 16'

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

65% DESIGN SUBMITTAL

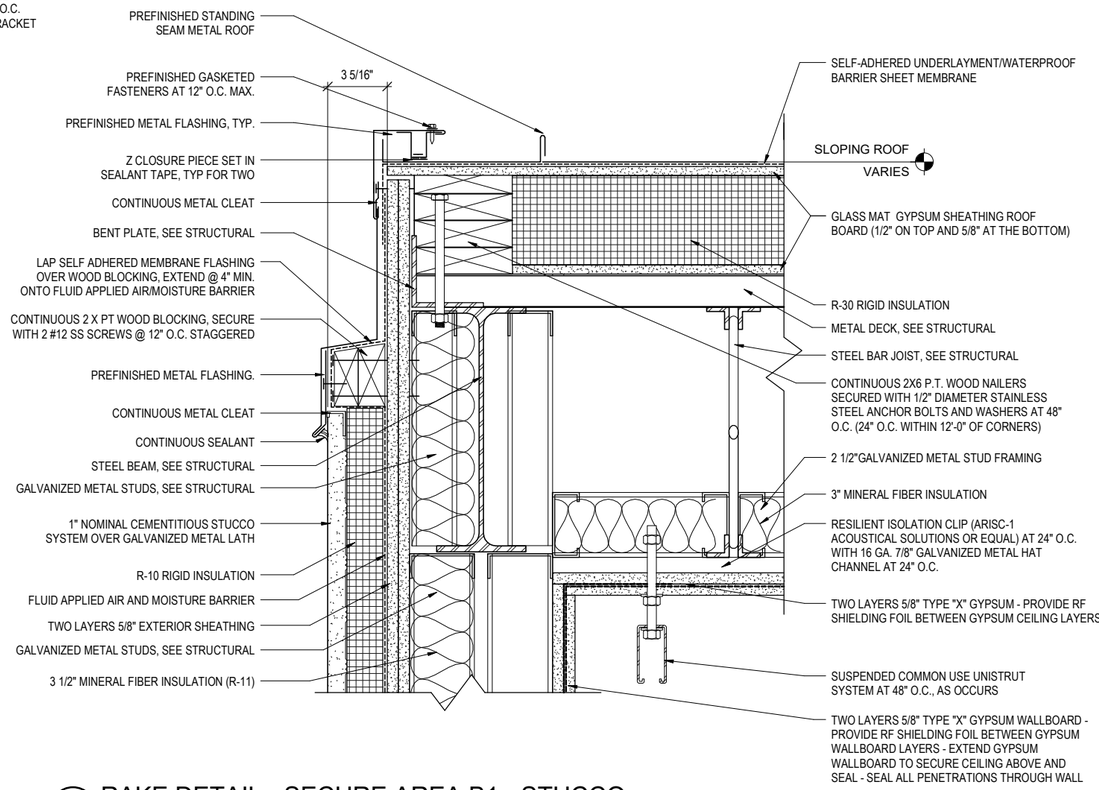
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: M. NOELL; PROJ. ENGR.: J. SAWYER	TITLE: ADDITION AND RENOVATION B521	
	APPROVED: FIRE PREVENTION		
	APPROVED: SAFETY REPRESENTATIVE		
	APPROVED: DIR. BASE MED. SERVICE		
APPROVED: SECURITY FORCES	APPROVED: USING AGENCY	CONTENTS: ROOF PLAN - NEW WORK	
APPROVED: ASUS	APPROVED: COMMUNICATIONS		
APPROVED: CHELCO	APPROVED: OPERATIONS ENGINEERING	APPROVED: 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: A-140	APPROVED: ENVIRONMENTAL	APPROVED: DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



1 A-141 GUTTER DETAIL - SECURE AREA B1 -STUCCO

3" = 1'-0"



2 A-141 RAKE DETAIL - SECURE AREA B1 - STUCCO

3" = 1'-0"

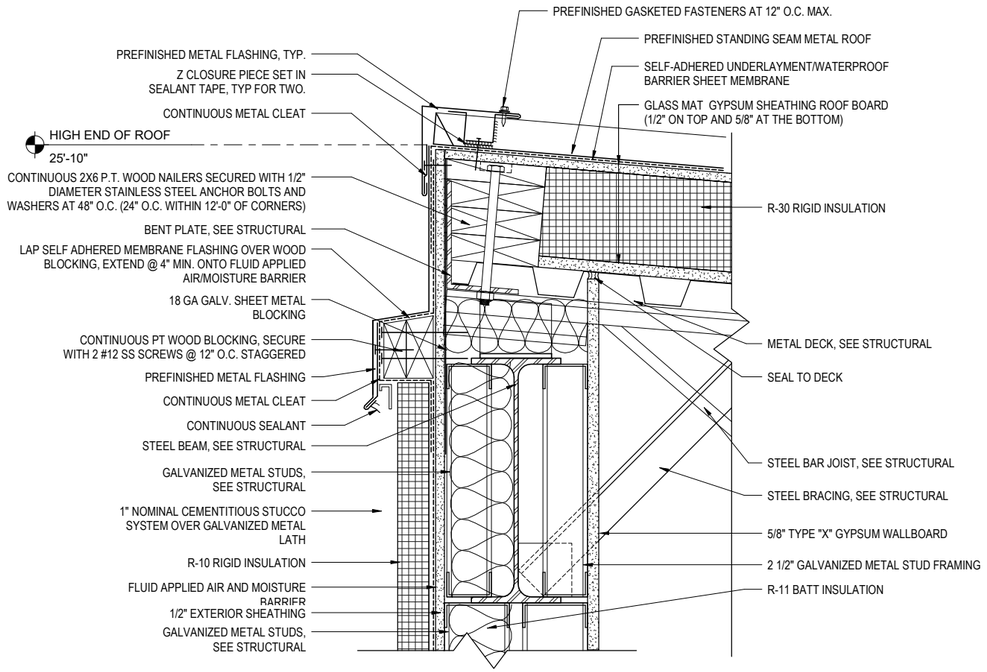
0 2" 4" 8"

SCALE: 3" = 1'-0"

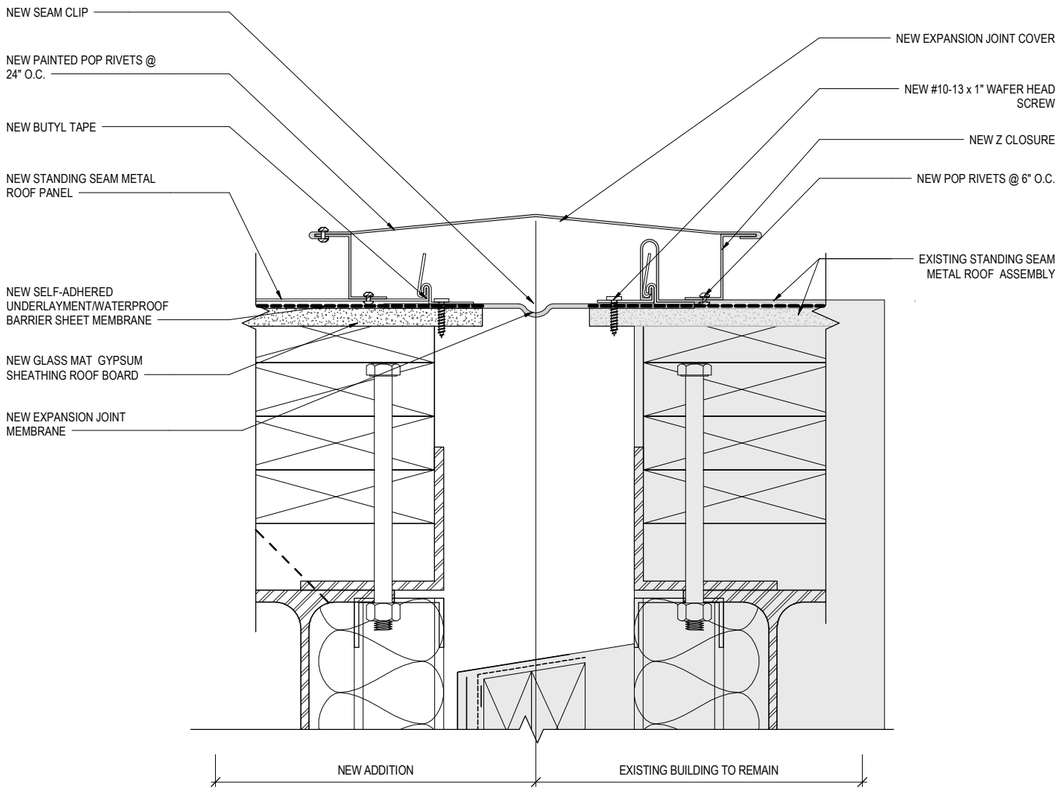
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

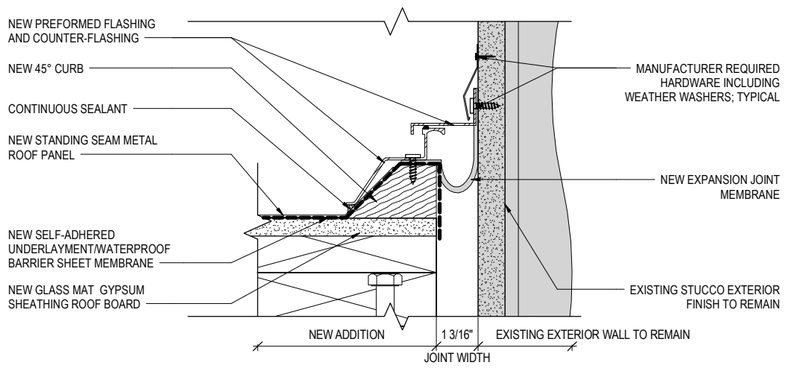
DATE / SIGNATURE	DRAWN BY: M. NOELL; PROJ. ENGR.: L. SAWYER	TITLE: ADDITION AND RENOVATION B521	
	APPROVED / FIRE PREVENTION		
	APPROVED / SAFETY REPRESENTATIVE		
	APPROVED / DIR. BASE MED. SERVICE		
APPROVED / SECURITY FORCES	APPROVED / USING AGENCY	CONTENTS: ROOF DETAILS	
APPROVED / ASUS	APPROVED / COMMUNICATIONS		
APPROVED / CHELCO	APPROVED / OPERATIONS ENGINEERING	APPROVED / 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: A-141	APPROVED / ENVIRONMENTAL	APPROVED / DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



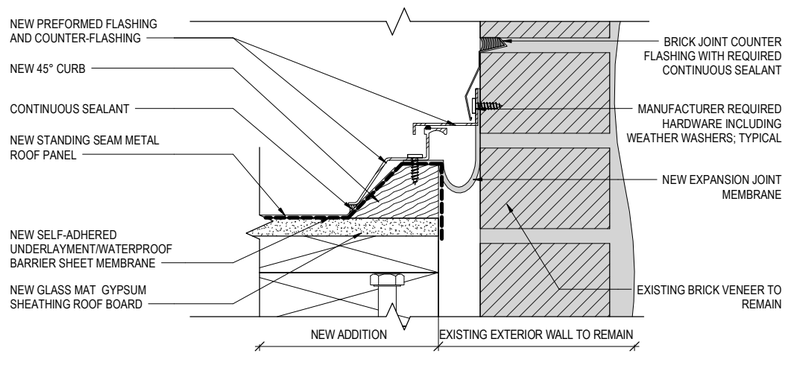
1 / A-142 HIGH END ROOF DETAIL
3" = 1'-0"



2 / A-142 ROOF EXPANSION JOINT DETAIL
6" = 1'-0"



3 / A-142 ROOF FLASHING DETAIL AT EXISTING STUCCO
6" = 1'-0"

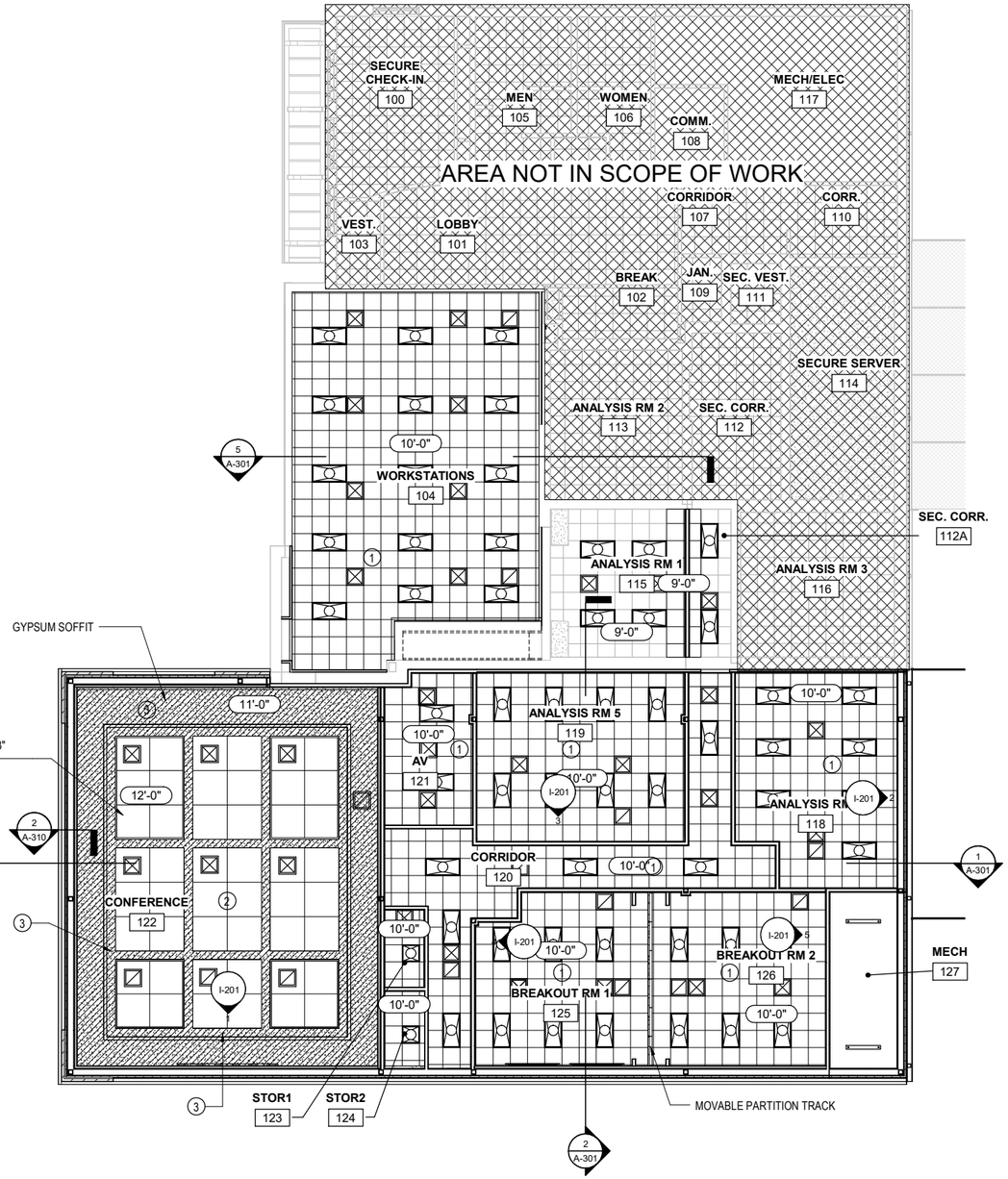


4 / A-142 ROOF FLASHING DETAIL AT EXISTING BRICK VENEER
6" = 1'-0"

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

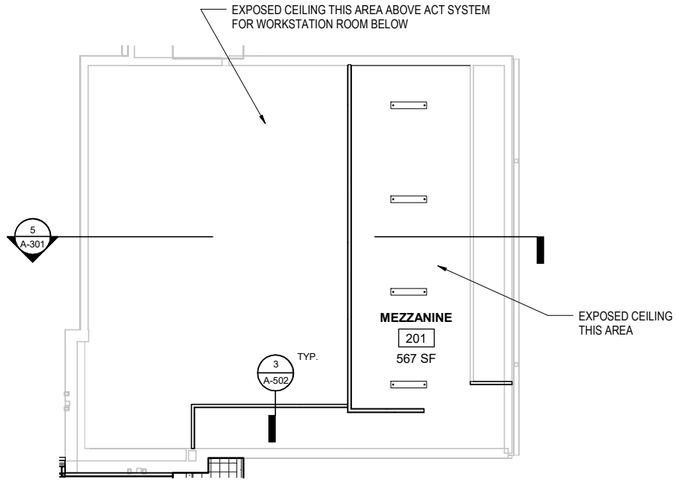
DATE	DRAWN BY: M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR: J. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ROOF DETAILS CONT.
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MARCH 2024
INDEX NO.: A-142	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN
SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06	DRAWING NO. / FILE NO. / SHEET OF



PLAN NORTH

1 A-150 1/8" = 1'-0"

NEW WORK CEILING PLAN - FIRST FLOOR



PLAN NORTH

2 A-150 1/8" = 1'-0"

NEW WORK CEILING PLAN - SECOND FLOOR

GENERAL NOTES

1. ALL CEILING HEIGHTS ARE 9'-0" UNLESS NOTED OTHERWISE.
2. ALL HEADERS ARE TO BE 2" BELOW LOWEST ADJACENT CEILING UNLESS NOTED OTHERWISE.
3. VERIFY EXACT LOCATION OF VIDEO PROJECTORS PRIOR TO INSTALLING ANY WORK FOR THIS EQUIPMENT, INCLUDING POWER AND DATA.
4. PROVIDE ACCESS PANELS IN GYPSUM BOARD CEILING AT LOCATIONS REQUIRING MAINTENANCE ACCESS TO PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS.
5. ALL FIRE SPRINKLER HEADS, ELECTRICAL FIXTURES AND MECHANICAL VENTS SHALL BE CENTERED WITHIN CEILING TILES UNLESS NOTED OTHERWISE.
6. ALL EXPOSED STRUCTURAL BEAMS, DIAGONAL BRACING, FRAMING, DECK, CONDUITS, BOXES, PIPING, DUCTWORK, ETC. SHALL BE PAINTED.
7. SEE STC (SECURITY)/FIRE RATED REFLECTED CEILING PLAN FOR COMPLETE STC & FIRE RATED GYPSUM BOARD CEILINGS.
8. SEE WALL SECTIONS FOR DETAIL AT CEILING EDGE.
9. ALL SPRINKLER HEADS, LIGHTS, DIFFUSERS, AND OTHER CEILING MOUNTED DEVICES SHALL BE CENTERED IN CEILING TILE.
10. RELOCATE SPRINKLER HEADS AS NEEDED TO COORDINATE W/ REVISED PROJECTOR LOCATION AND CEILING MOUNTED ITEMS CHANGE.

REFLECTED CEILING PLAN MATERIAL KEY

1 — 2' X 2' SUSPENDED ACOUSTICAL TILE LAY-IN CEILING WITH GRID	101 — ROOM NUMBER DESIGNATION	CEILING MOUNTED IDS MOTION DETECTOR SENSOR, SEE ELECTRONIC SECURITY SYSTEM DRAWINGS
2 — 4' X 4' SUSPENDED ACOUSTICAL TILE LAY-IN CEILING WITH GRID	FLUORESCENT LIGHTING FIXTURE, SEE ELECTRICAL DRAWINGS	CEILING MOUNTED MICROPHONE, SEE AV DRAWINGS
3 — METAL STUD FRAMED GYPSUM BOARD HEADER/SOFFIT	2 X 4 FLUORESCENT LIGHTING FIXTURE, SEE ELECTRICAL DRAWINGS	CEILING MOUNTED OCCUPANCY SENSOR, SEE ELECTRICAL DRAWINGS
4 — SECURURE STC 50 MIN ROOF/CEILING AND ASSEMBLY (RAL TL11-006, STC 56). SECURE CEILING ABOVE SUSPENDED CEILING. NOT VISIBLE IN CEILING PLAN.	2 X 2 FLUORESCENT LIGHTING FIXTURE, SEE ELECTRICAL DRAWINGS	SUPPLY DIFFUSER, SEE MECHANICAL DRAWINGS
13'-3" — CEILING HEIGHT	STAGE LIGHTING FIXTURE, SEE ELECTRICAL DRAWINGS	RETURN AIR GRILLE, SEE MECHANICAL DRAWINGS
	8" RECESSED CAN LIGHT, SEE ELECTRICAL DRAWINGS	CEILING MOUNTED SPEAKER, SEE AV DRAWINGS
	EXIT LIGHT, SEE ELECTRICAL DRAWINGS	CEILING MOUNTED FIRE ALARM SPEAKER STROBE, SEE FIRE PROTECTION DRAWINGS
		CEILING MOUNTED FIRE ALARM STROBE, SEE FIRE PROTECTION DRAWINGS

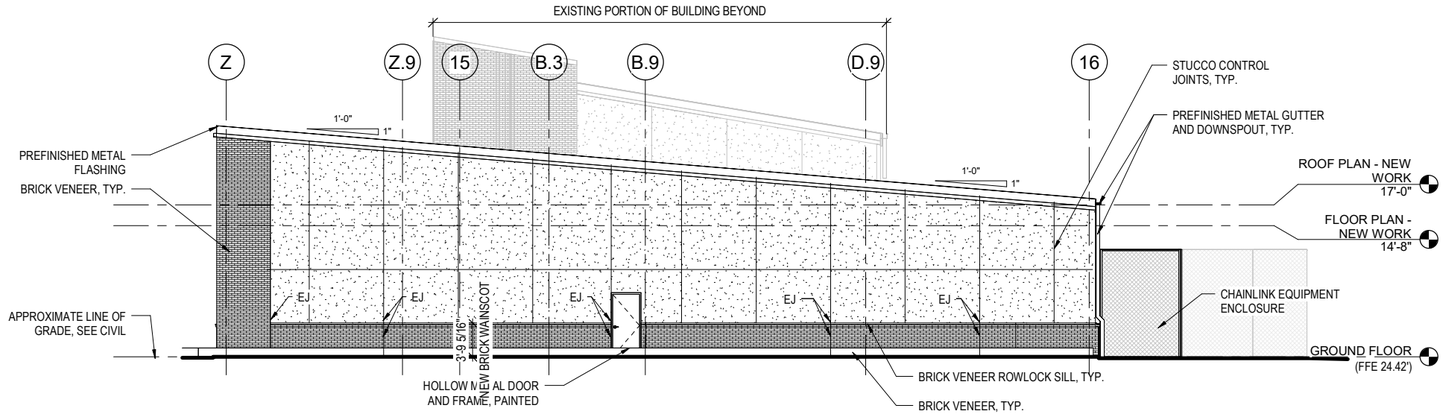
0 4' 8' 16'

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

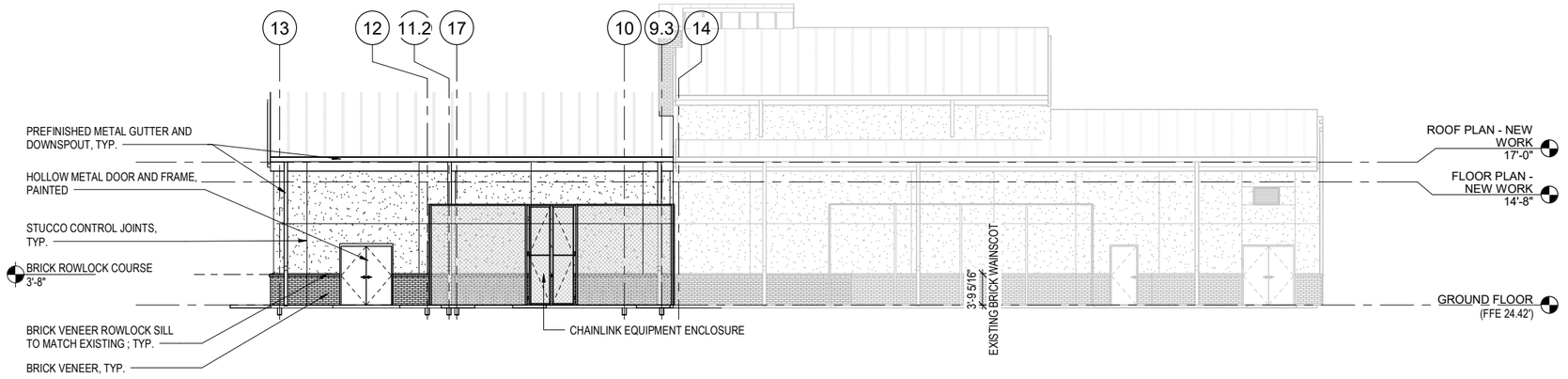
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

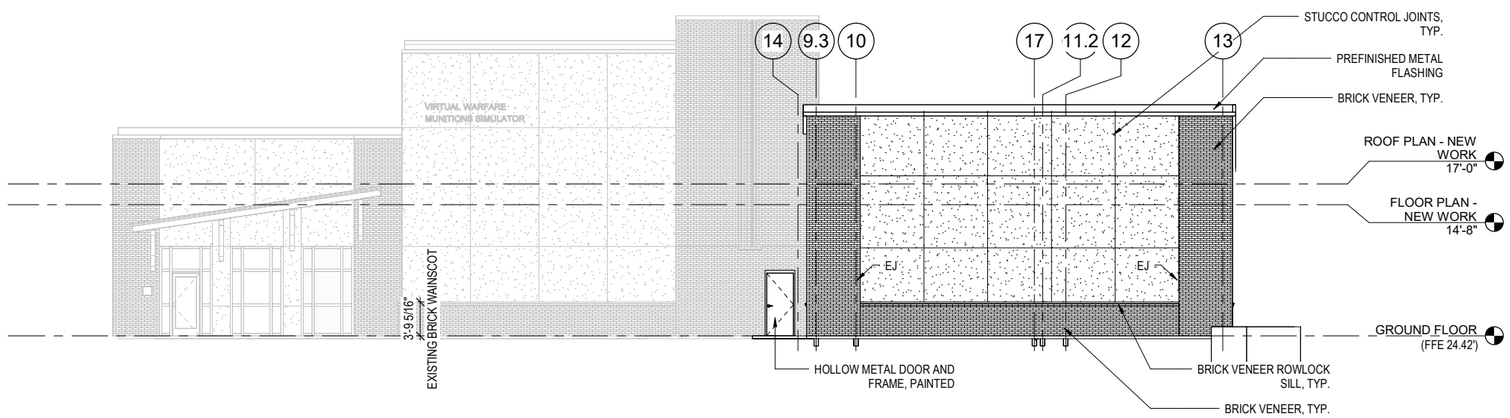
DATE / SIGNATURE	DRAWN BY M. NOELL; PROJ. ENGR. J. SAWYER	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: OVERALL NEW WORK CEILING PLAN	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. A-150	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



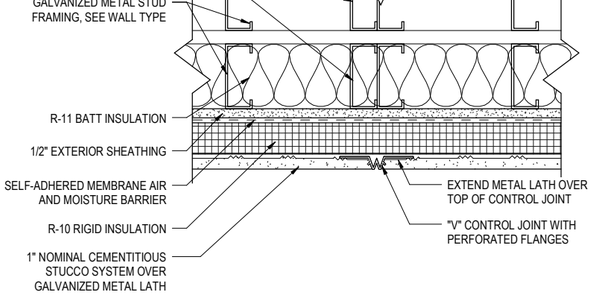
1 A-201 SOUTH ELEVATION - NEW WORK
1/8" = 1'-0"



2 A-201 EAST ELEVATION - NEW WORK
1/8" = 1'-0"



3 A-201 WEST ELEVATION - NEW WORK
1/8" = 1'-0"



4 A-201 STUCCO CONTROL JOINT PLAN DETAIL
3" = 1'-0"

GENERAL NOTES

1. DOWNSPOUT SHALL CONNECT TO STORMWATER PIPING W/ CAST IRON BOOT, SEE CIVIL.
2. ALL WALL MOUNTED DEVICES NOT SHOWN. SEE PLUMBING, MECHANICAL, FIRE PROTECTION, COMM, AND ELECTRICAL FOR OTHER DEVICES.
3. ALL STUCCO JOINTS SHOWN ARE CONTROL JOINTS.
4. REFER TO SPECIFICATION SECTION 09 06 90 FOR EXTERIOR COLORS.
5. PROVIDE BRICK EXPANSION JOINTS (BACKER ROD & SEALANT) AT ALL INSIDE CORNERS.
6. HORIZONTAL STUCCO CONTROL JOINTS TO ALIGN WITH TOP OF WINDOWS AND WALLS AS SHOWN. VERTICAL STUCCO CONTROL JOINTS TO BE SPACED TO PROVIDE EQUAL SPACING OR ALIGN WITH WALLS AS SHOWN.

GRAPHIC LEGEND

	BRICK VENEER
	PREFINISHED STANDING SEAM METAL ROOF
	CEMENTIOUS STUCCO WITH INTEGRAL COLOR FINISH COAT
EJ	BRICK EXPANSION JOINT (BACKER ROD & SEALANT)

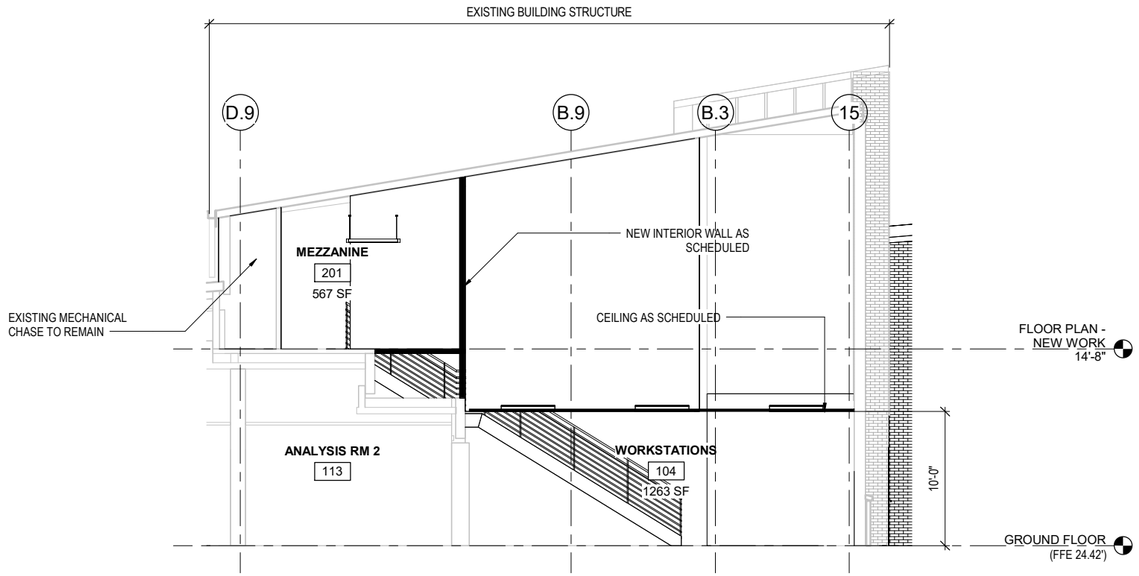
0 2" 4" 8"
SCALE: 3" = 1'-0"

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

65% DESIGN SUBMITTAL

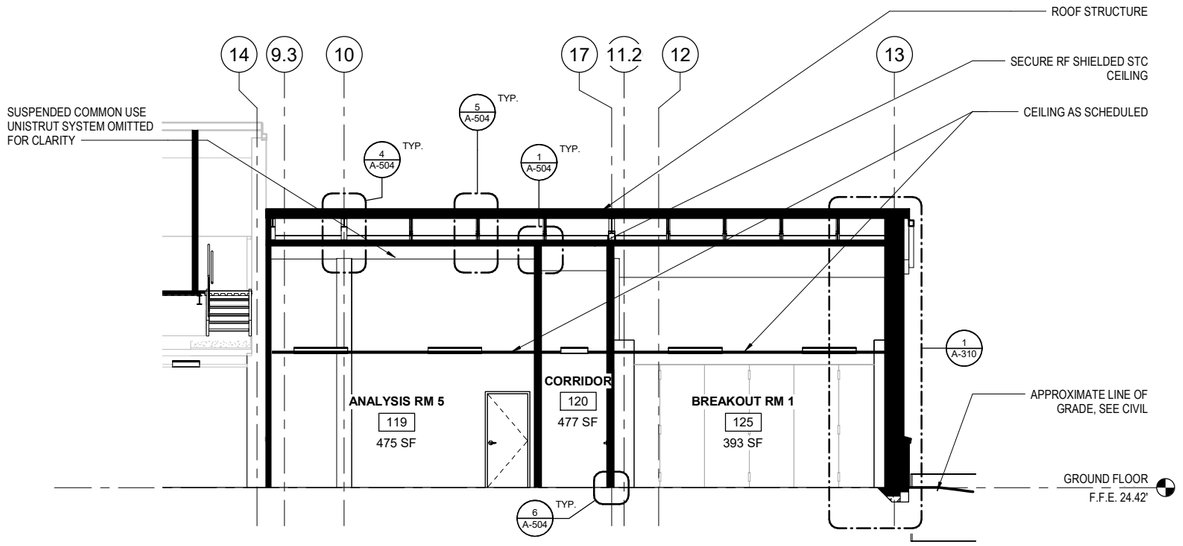
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY M. NOELI; PROJ. ENGR. L. SAWYER	TITLE	ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	EXTERIOR ELEVATIONS
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. A-201	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



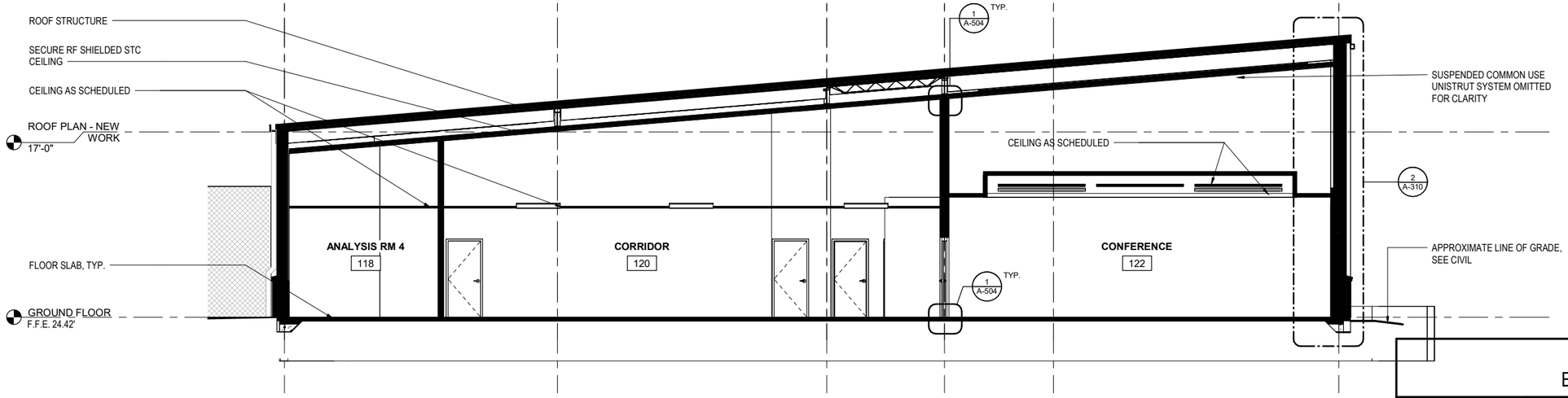
TRANSVERSE SECTION - AUDITORIUM/WORKSTATIONS E/W

5 / A-301 — 3/16" = 1'-0"



TRANSVERSE SECTION - ADDITION N/S

2 / A-301 — 3/16" = 1'-0"



TRANSVERSE SECTION - ADDITION E/W

1 / A-301 — 3/16" = 1'-0"

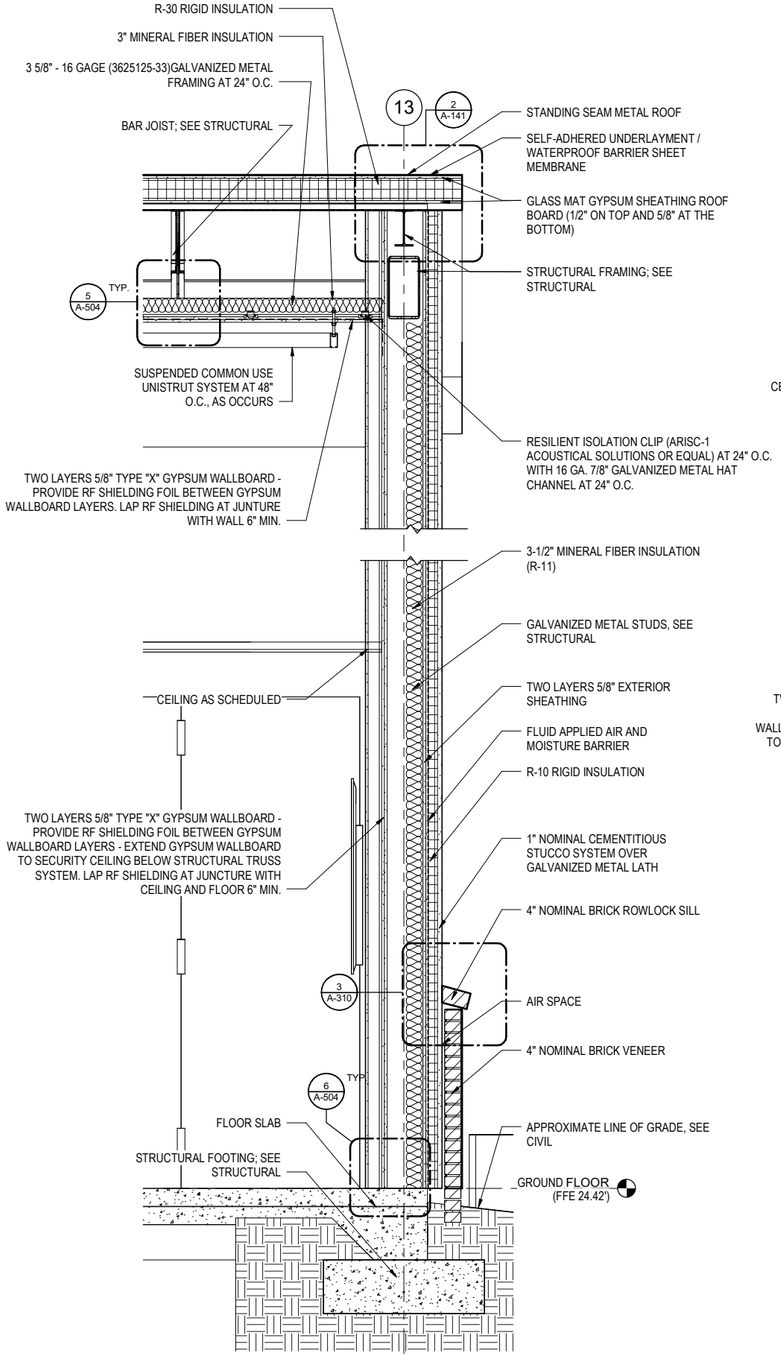
0 4' 8' 16'

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

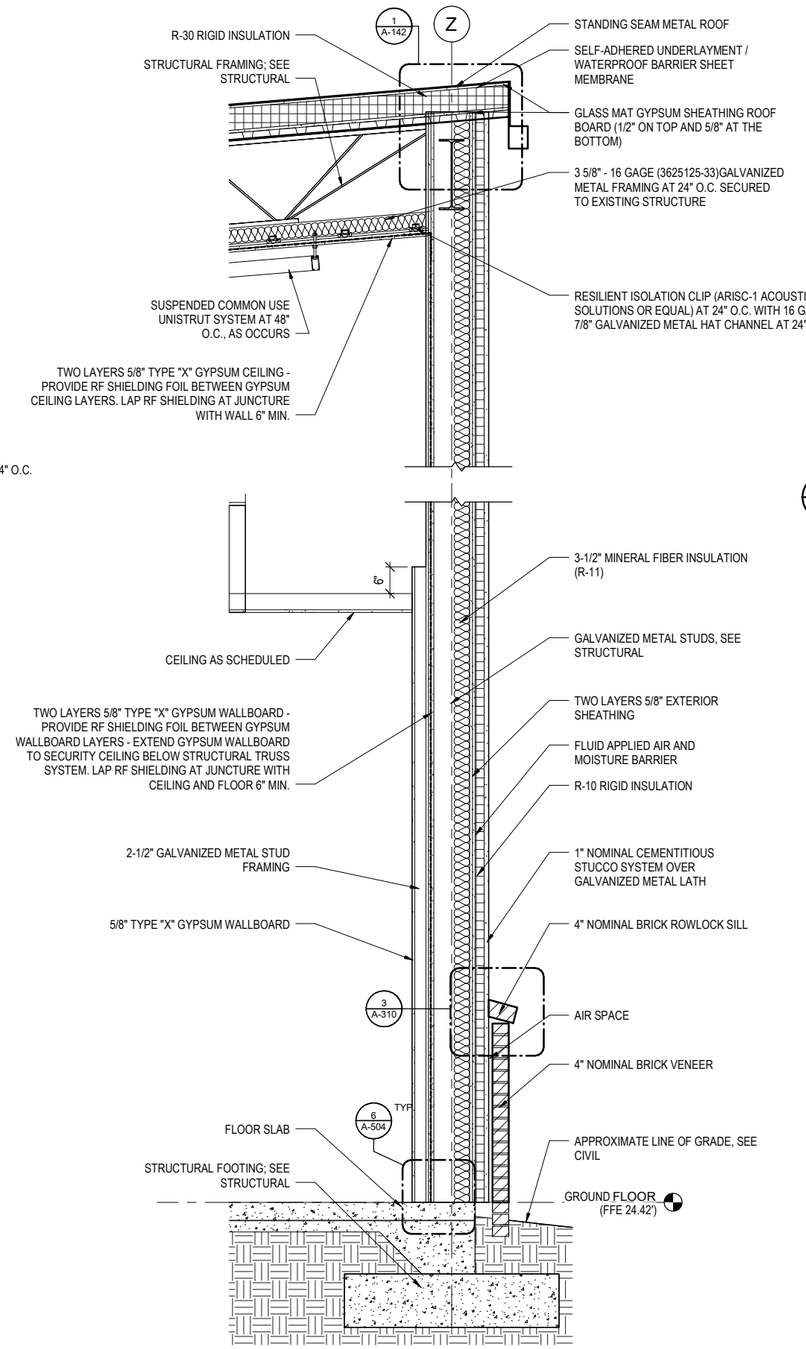
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

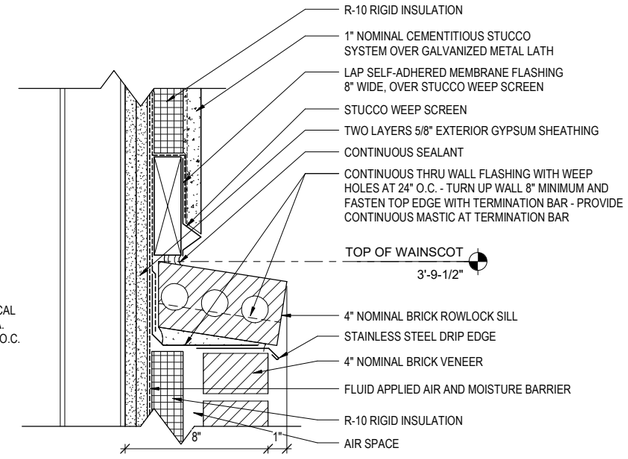
DATE	DRAWN BY M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. J. SAWYER	
	APPROVED — FIRE PREVENTION	
	APPROVED — SAFETY REPRESENTATIVE	
	APPROVED — DIR. BASE MED. SERVICE	
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: BUILDING SECTIONS - NEW WORK
APPROVED — ASUS	APPROVED — COMMUNICATIONS	
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. A-301	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06; DRAWING NO.; FILE NO.; SHEET OF



1 A-310 **TYPICAL EXTERIOR SECURITY WALL SECTION**
3/4" = 1'-0"



2 A-310 **TYPICAL EXTERIOR SECURITY WALL W/ FRANGIBLE INNER WALL SECTION**
3/4" = 1'-0"



3 A-310 **ENLARGED BRICK WAINSCOT DETAIL**
3" = 1'-0"

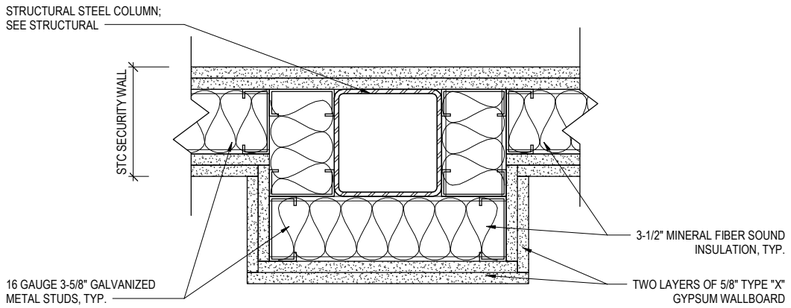
0 2" 4" 8"
SCALE: 3" = 1'-0"

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

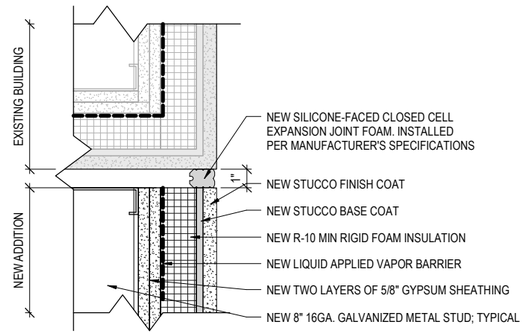
DATE / SIGNATURE	DRAWN BY M. NOELL; PROJ. ENGR. L. SAWYER	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: WALL SECTIONS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. A-310	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06; DRAWING NO.; FILE NO.; SHEET OF



NOTE: SEE WALL TYPE FOR FRAMING CONSTRUCTION, A-002

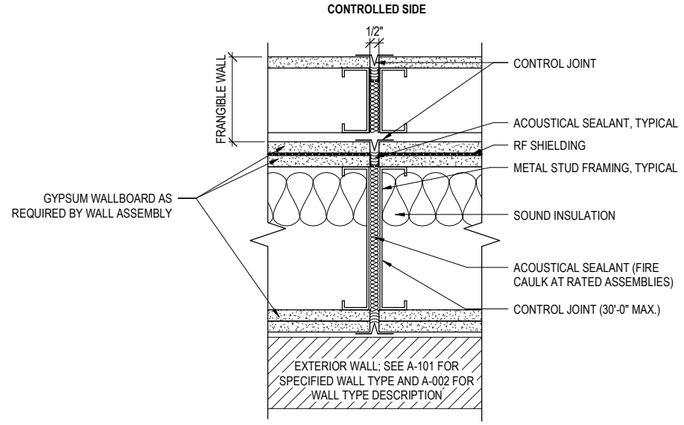
1 A-501 TYPICAL INT. COLUMN PLAN DETAIL

3" = 1'-0"



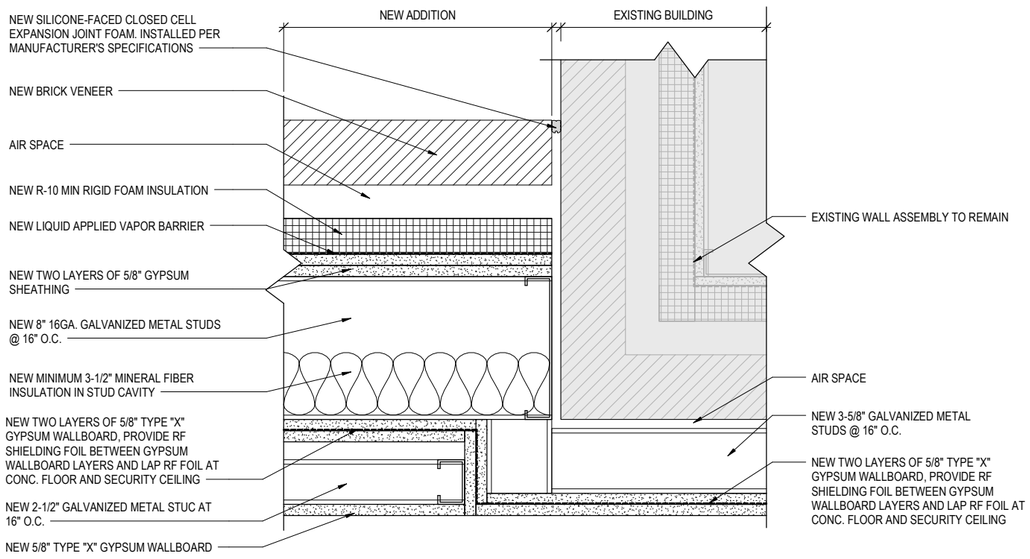
2 A-501 STUCCO WALL EXPANSION JOINT AT NEW ADDITION

3" = 1'-0"



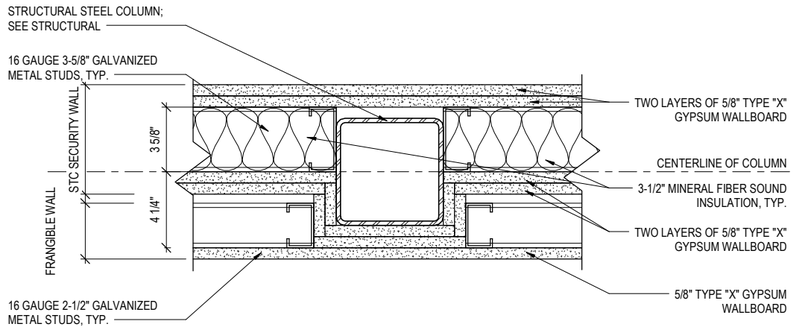
3 A-501 TYPICAL SECURITY / STC WALL - WALL CONTROL JOINT

3" = 1'-0"



4 A-501 BRICK CORNER EXPANSION JOINT AT NEW ADDITION

3" = 1'-0"



NOTE: SEE WALL TYPE FOR FRAMING CONSTRUCTION, A-002

5 A-501 TYP. INT. COLUMN W/ FRANGIBLE WALL PLAN DETAIL

3" = 1'-0"

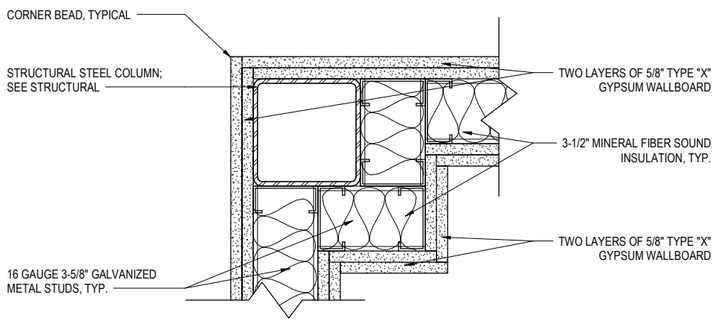
0 2" 4" 8"

SCALE: 3" = 1'-0"

65% DESIGN SUBMITTAL

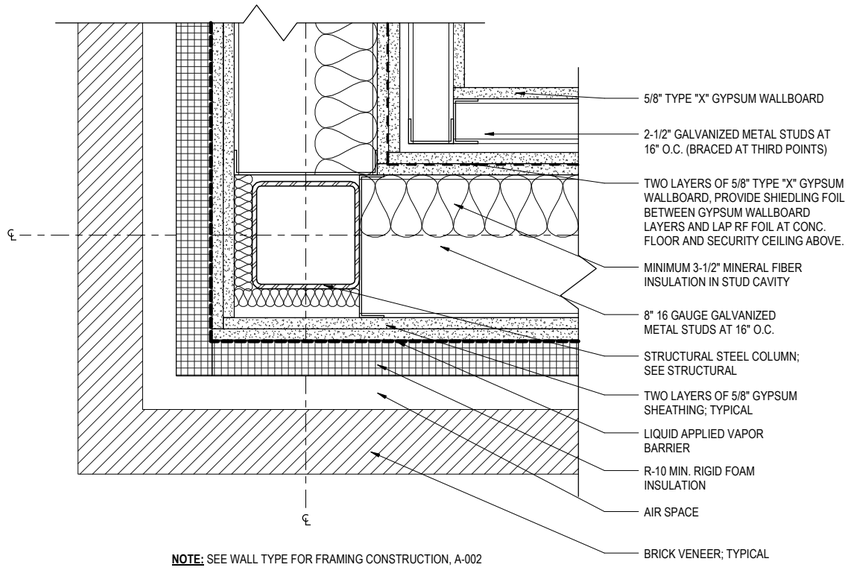
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. L. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: PLAN DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. A-501	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO. / FILE NO. / SHEET OF



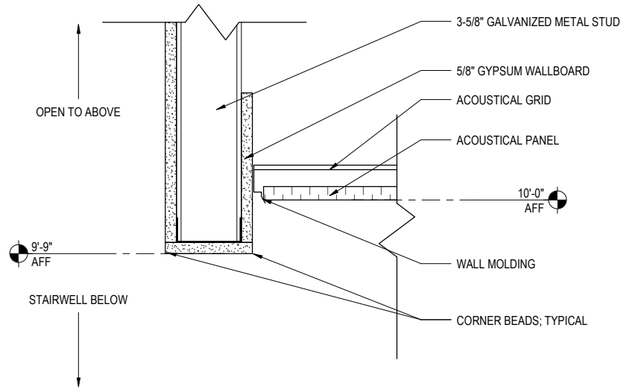
NOTE: SEE WALL TYPE FOR FRAMING CONSTRUCTION, A-002

1 A-502 TYPICAL INT. COLUMN CORNER PLAN DETAIL
3" = 1'-0"

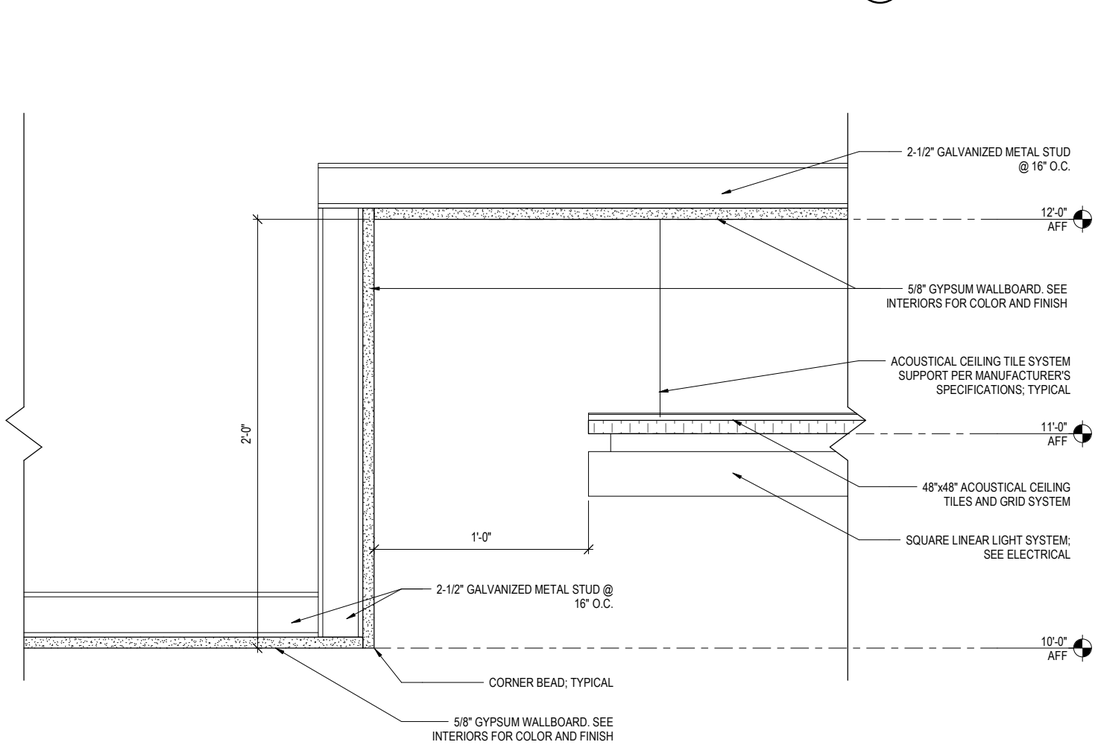


NOTE: SEE WALL TYPE FOR FRAMING CONSTRUCTION, A-002

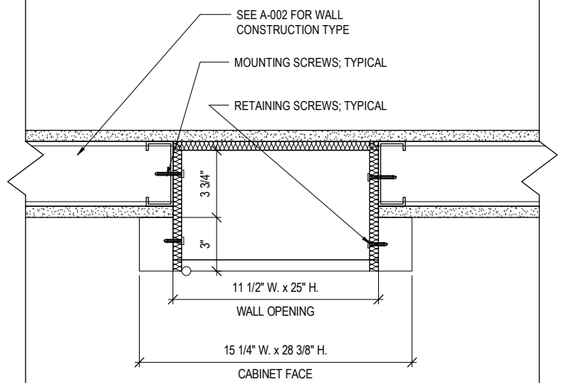
2 A-502 TYPICAL EXT. COLUMN PLAN DETAIL
3" = 1'-0"



3 A-502 BULKHEAD TO ACT CEILING DETAIL
3" = 1'-0"



4 A-502 TYPICAL CEILING DETAIL - CONFERENCE RM
3" = 1'-0"



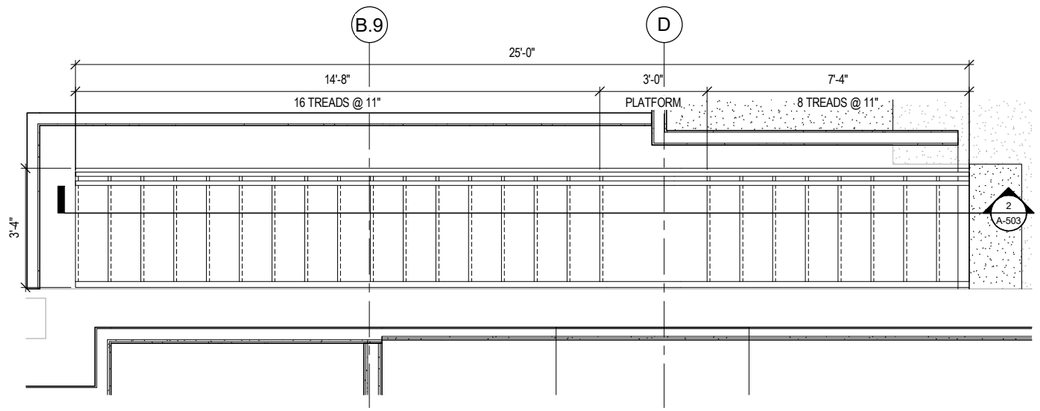
5 A-502 SEMI-RECESSED FIRE EXTINGUISHER CABINET DETAIL
3" = 1'-0"

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

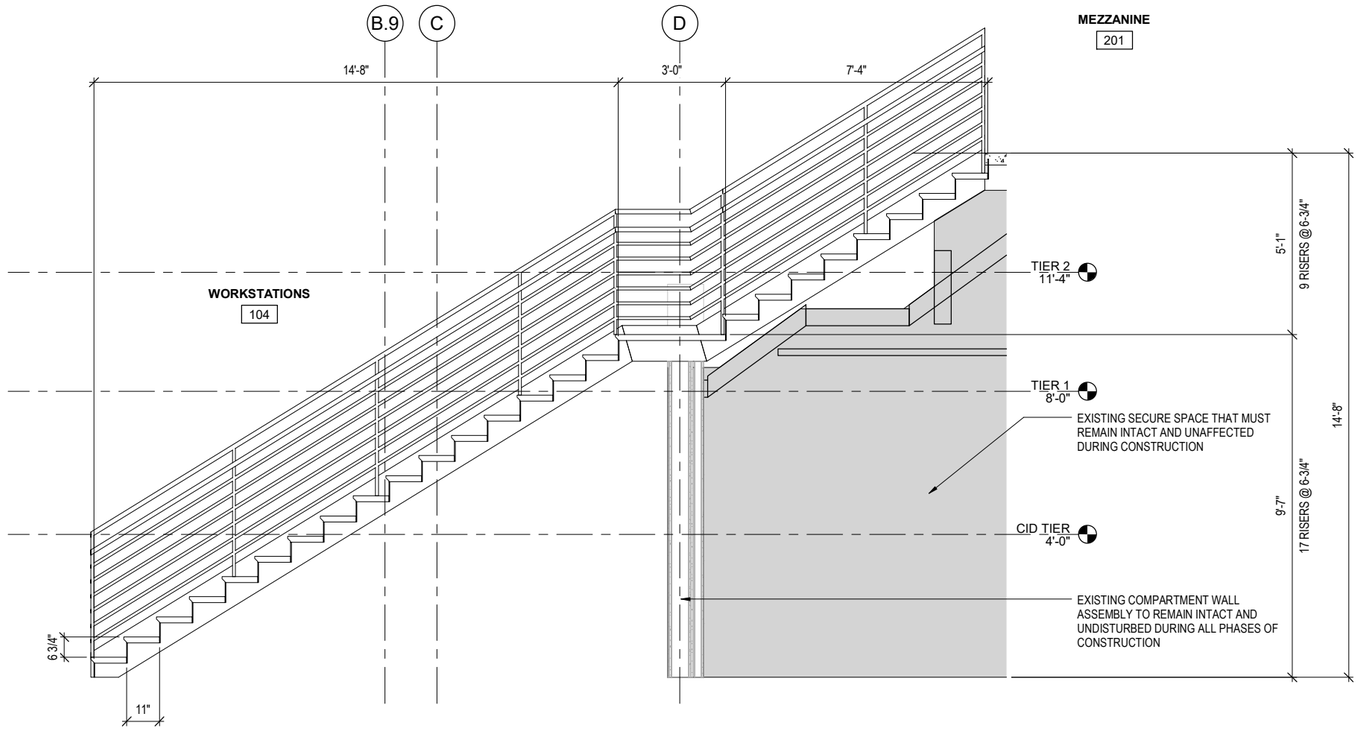
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: M. NOELL; PROJ. ENGR.: L. SAWYER	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: PLAN DETAILS CONT.
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MARCH 2024
INDEX NO. A-502	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 — DRAWING NO. — FILE NO. — SHEET OF



1 A-503 ENLARGED STAIRCASE PLAN
1/2" = 1'-0"

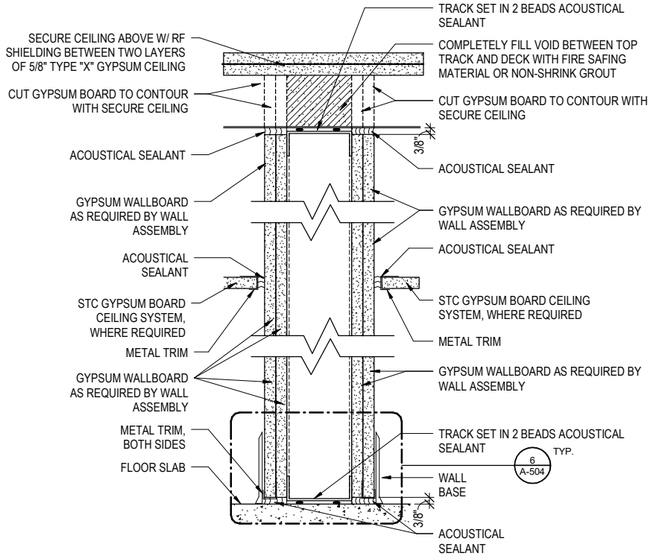


2 A-503 MEZZANINE STAIRCASE SECTION
1/2" = 1'-0"

65% DESIGN SUBMITTAL

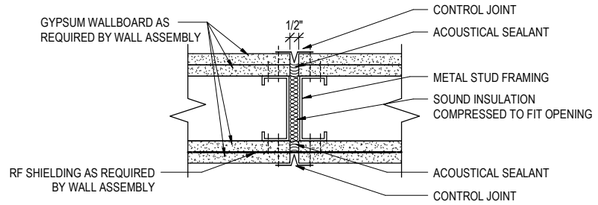
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: M. NOELL; PROJ. ENGR.: J. SAWYER	TITLE: ADDITION AND RENOVATION B521
	APPROVED — FIRE PREVENTION	
	APPROVED — SAFETY REPRESENTATIVE	
	APPROVED — DIR. BASE MED. SERVICE	
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: STAIR DETAILS AND ENLARGED PLAN
APPROVED — ASUS	APPROVED — COMMUNICATIONS	
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96/CEG/CEN; DATE: 13 MARCH 2024
INDEX NO.: A-503	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER; SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06; DRAWING NO.; FILE NO.; SHEET OF



1 A-504 TYPICAL SECURITY / STC WALL - TOP AND BOTTOM SEALING DETAIL - (2) GYP. BOTH SIDES

3" = 1'-0"



2 A-504 TYPICAL SECURITY / STC WALL CONTROL JOINT - (2) GYP. BOTH SIDES

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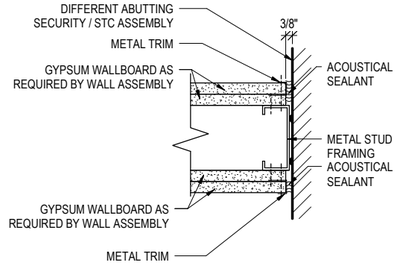
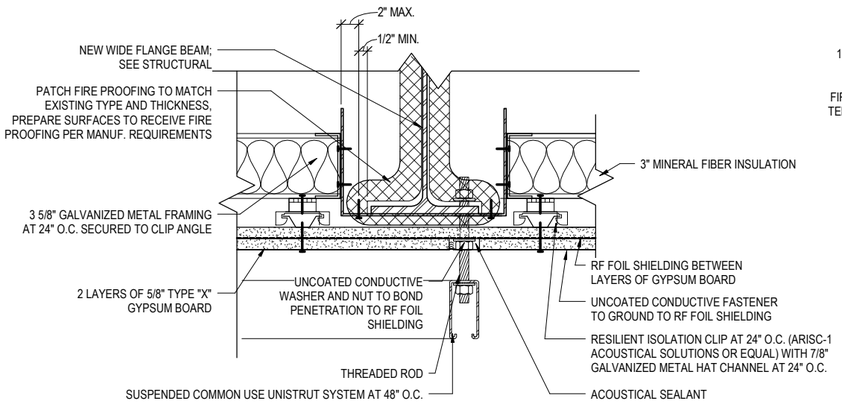


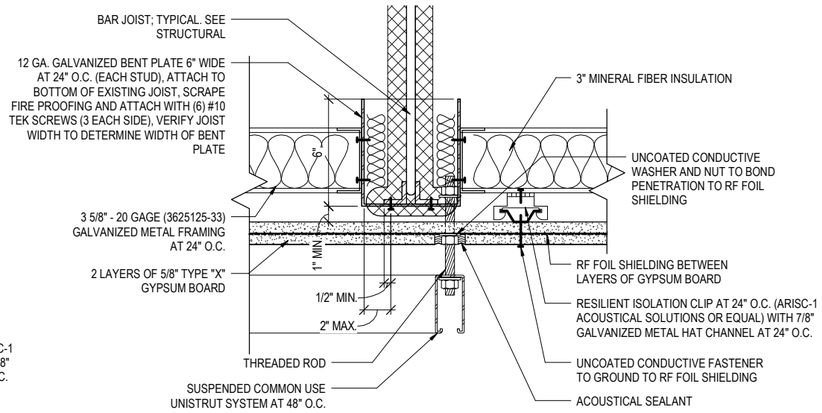
3 A-504 TYPICAL SECURITY / STC WALL JUNCTION SEALING DETAIL - (2) GYP. BOTH SIDES

3" = 1'-0"



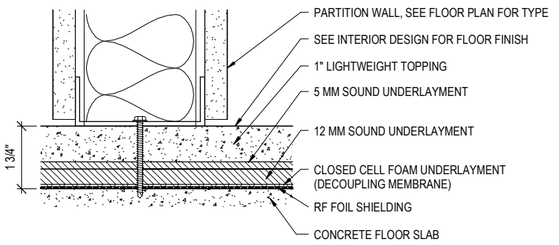
4 A-504 SECURE CEILING SUPPORT DETAIL AT STEEL BEAM

3" = 1'-0"



5 A-504 SECURE CEILING SUPPORT DETAIL AT ROOF TRUSS

3" = 1'-0"



6 A-504 SECURE FLOOR TOPPING DETAIL

6" = 1'-0"

GENERAL NOTES

1. FOIL RF SHIELDING NOT SHOWN. SEE WALL SECTION SHEETS FOR FOIL RF SHIELDING TERMINATIONS AT CONCRETE SLAB AND METAL DECK ABOVE.

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

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY: M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR: J. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: TYPICAL SECURITY/STC ASSEMBLY SEALING DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MARCH 2024
INDEX NO. A-504	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
23AH	FTFA 23-MM06			

DOOR SCHEDULE

MARK	DOOR SIZE WD	SIZE HT	SIZE THK	MAT	ELEV	GLAZING	FRAME MAT	FRAME ELEV	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	STC RATING	FIRE RATING	HARDWARE SET NO	HARDWARE KEYSIDE ROOM NUMBER	COMMENTS
104C	3'-0"	7'-0"	1 3/4"	HM	F	-	HM	1	2/A-602	5/A-602		50	-	8	-	
112A	3'-0"	7'-0"	1 3/4"	HMRF	B	-	HM	2	1/A-601	3/A-601	7/A-603	50	-	2	112A	SHIELDED/STC ASSEMBLY
115	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	2/A-603	5/A-603	8/A-603	50	-	1	112A	
118	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	2/A-603	5/A-603	8/A-603	50	-	1	120	
119	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	2/A-603	5/A-603	8/A-603	50	-	1	120	
120	3'-0"	7'-0"	1 3/4"	HMRF	D	-	HM	2	1/A-602	4/A-602		50	-	5	-	SHIELDED/STC ASSEMBLY, EXIT ONLY. NO OUTSIDE TRIM
121	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	1/A-603	4/A-603	8/A-603		-	3	120	
122A	6'-0"	7'-0"	1 3/4"	SCWD	D	-	HM	1	3/A-603	6/A-603	8/A-603	50		4	120	PAIR OF DOORS FOR ENTRY TO CONFERENCE ROOM
122B	3'-0"	7'-0"	1 3/4"	HMRF	E	-	HM	2	2/A-601	4/A-601		50	-	5	-	SHIELDED/STC ASSEMBLY, EXIT ONLY. NO OUTSIDE TRIM
123	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	1/A-603	4/A-603	8/A-603		-	6	120	
124	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	1/A-603	4/A-603	8/A-603		-	6	120	
125	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	2/A-603	5/A-603	8/A-603	50	-	1	120	
126	3'-0"	7'-0"	1 3/4"	SC WD	C	-	HM	1	2/A-603	5/A-603	8/A-603	50	-	1	120	
127	6'-0"	7'-0"	1 3/4"	HM	G	-	HM	1	3/A-602	6/A-602				7	EXT.	PAIR OF DOORS FOR MECHANICAL ROOM

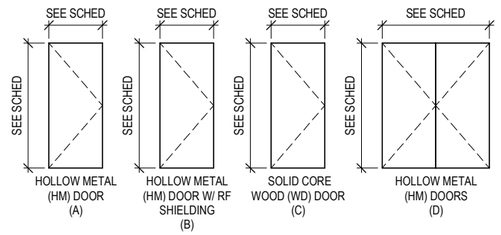
NOTE: CONFIRM STC 50 DOORS THICKNESS WITH MANUFACTURER.

NOTE: RF SHIELDED DOORS - DO NOT PAINT PERIMETER OF DOOR FACE AT SHIELDED SIDE FOR RF SHIEDLING INTEGRITY, COORDINATE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

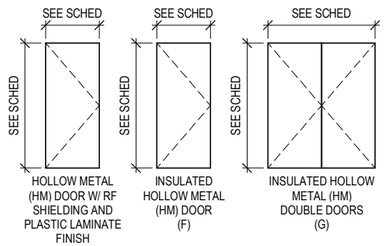
DOOR ELEVATIONS

NOTE: SEE SCHEDULE FOR GLAZING AND LOUVER OPENINGS

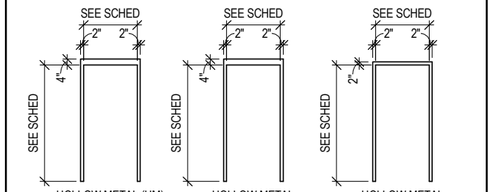
INTERIOR

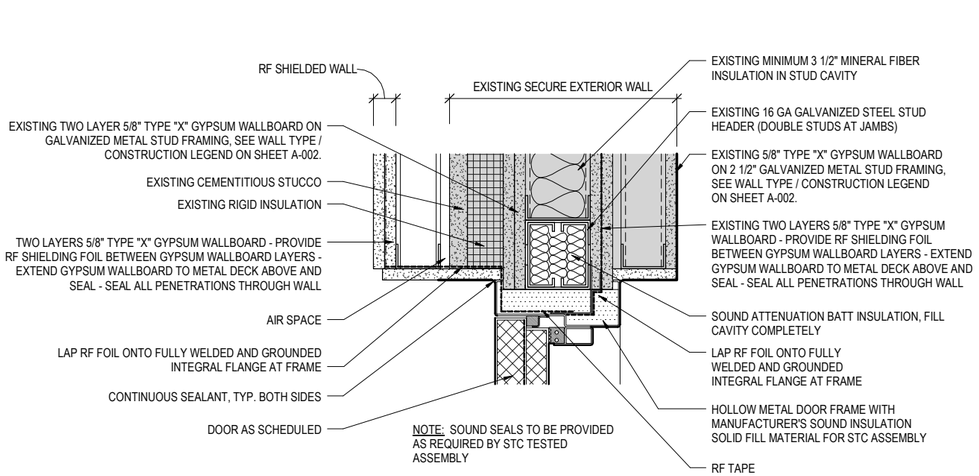


EXTERIOR



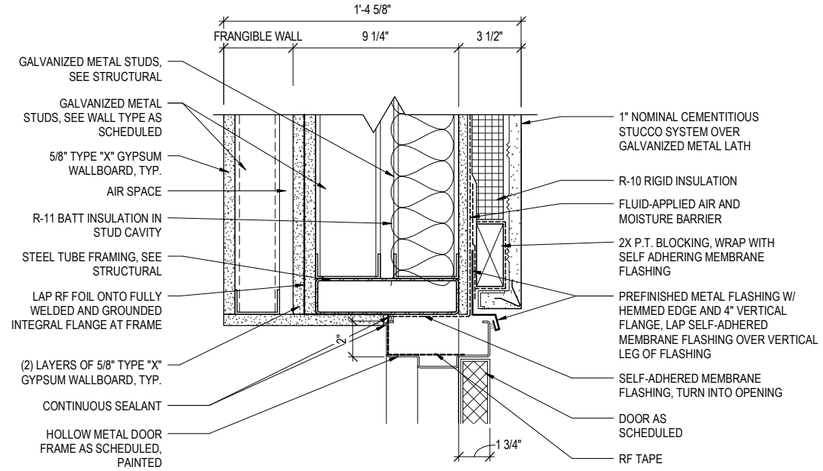
DOOR FRAME ELEVATIONS





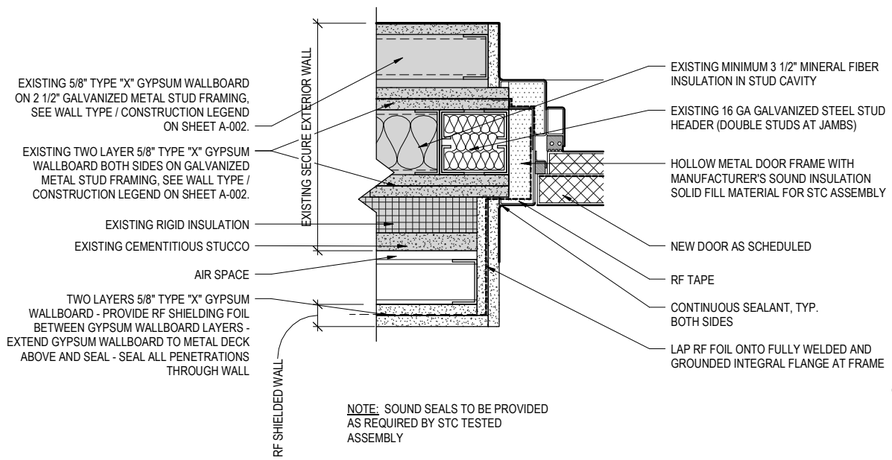
1 A-601 — INTERIOR SECURE AREA - STC 50/RF SHIELDED DOOR HEAD DETAIL

3" = 1'-0"



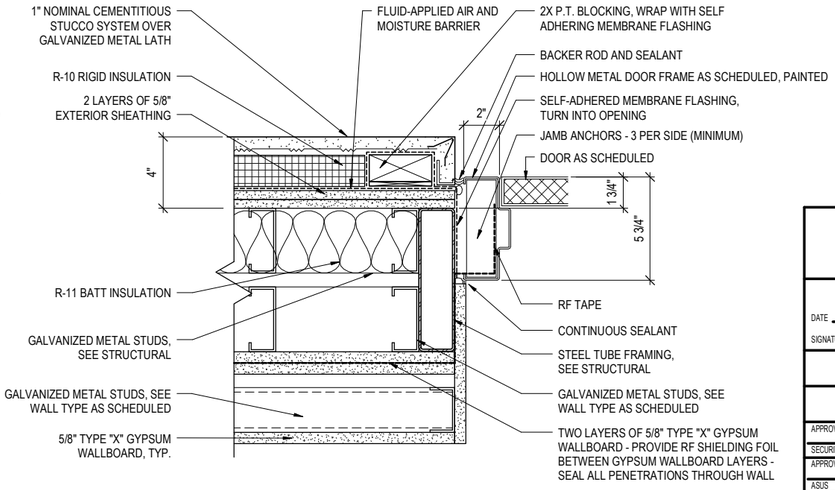
2 A-601 — EXT. RF SHIELDED DOOR HEAD W/ FRANGIBLE WALL-STUCCO FINISH

3" = 1'-0"



3 A-601 — INTERIOR SECURE AREA - STC 50/RF SHIELDED DOOR JAMB DETAIL

3" = 1'-0"



4 A-601 — EXT. RF SHIELDED DOOR JAMB W/ FRANGIBLE WALL-STUCCO FINISH

3" = 1'-0"

0 2" 4" 8"

SCALE: 3" = 1'-0"

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY M. NOELL	TITLE: ADDITION AND RENOVATION B521
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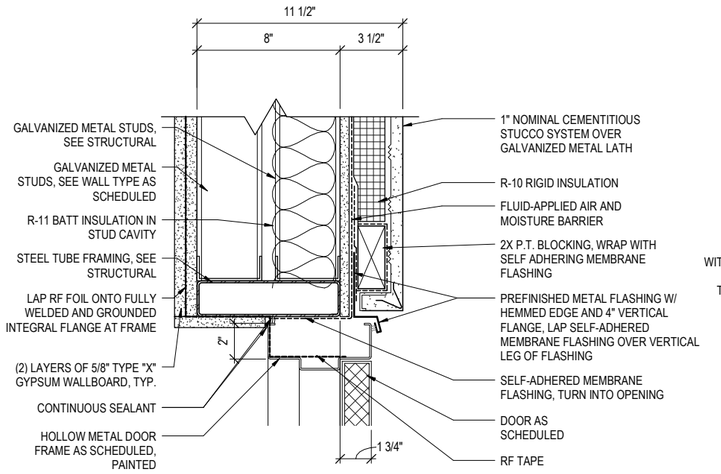
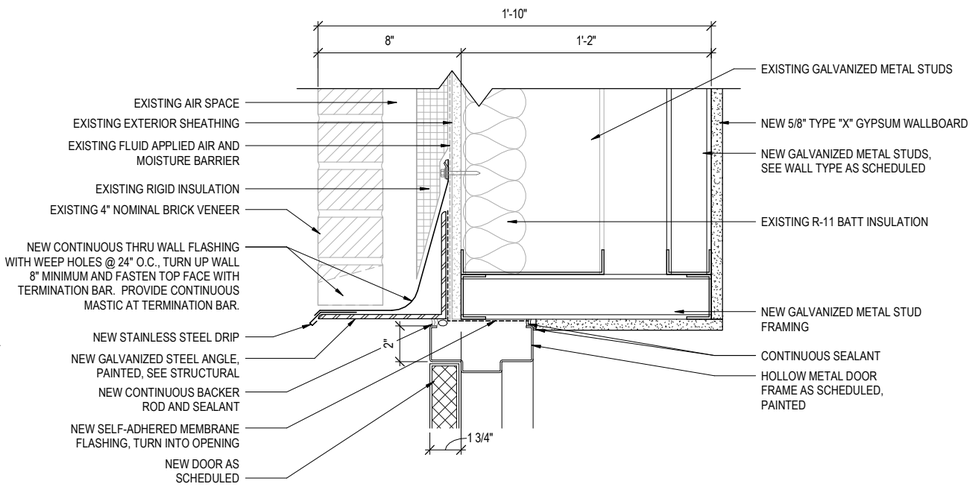
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: OPENING SCHEDULE AND DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. A-601	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET
23AH	FTFA 23-MM06			OF



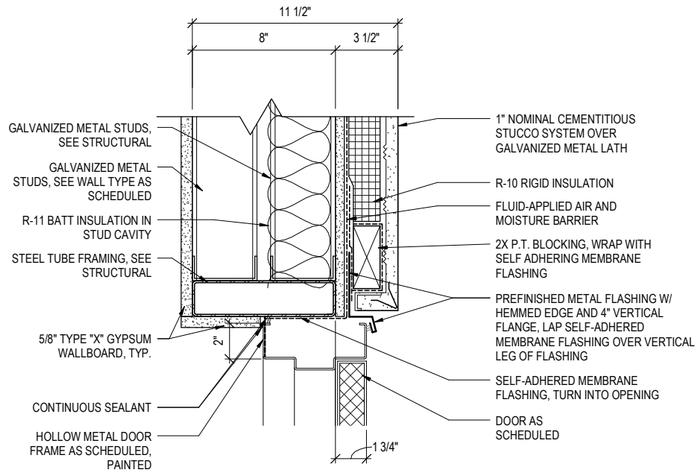
1 A-602 — EXT. RF SHIELDED DOOR HEAD - STUCCO FINISH

3" = 1'-0"



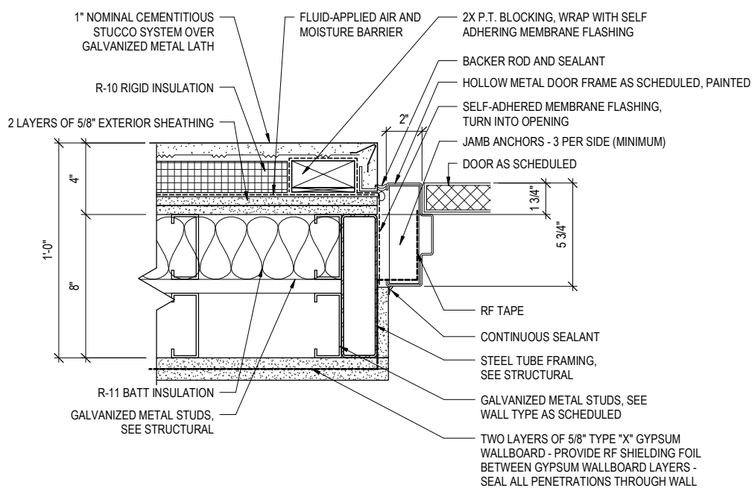
2 A-602 — EXT. DOOR HEAD - EXISTING BRICK VENEER

3" = 1'-0"



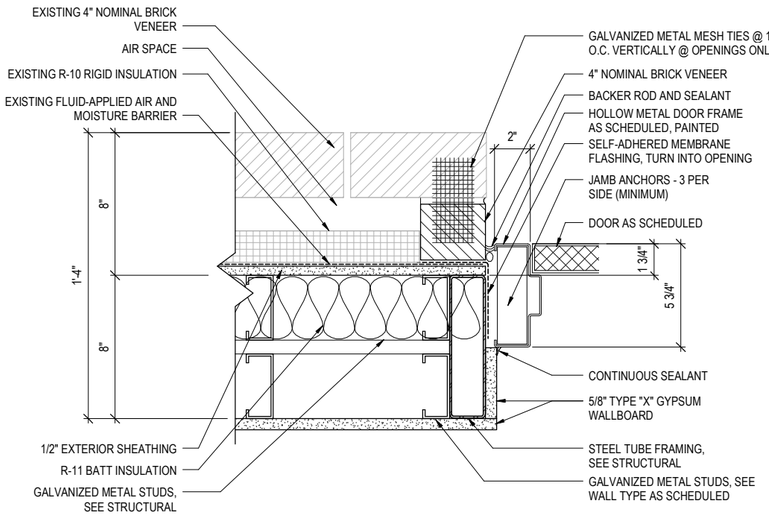
3 A-602 — EXT. DOOR HEAD - STUCCO FINISH

3" = 1'-0"



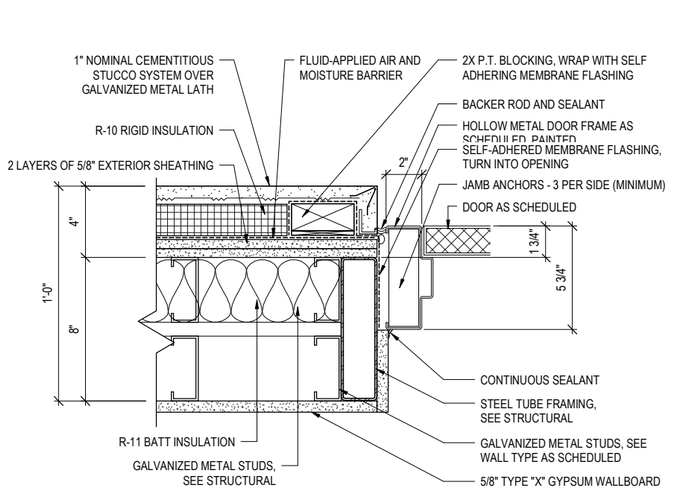
4 A-602 — EXT. RF SHIELDED DOOR JAMB - STUCCO FINISH

3" = 1'-0"



5 A-602 — EXT. DOOR JAMB - EXISTING BRICK VENEER

3" = 1'-0"



6 A-602 — EXT. DOOR JAMB - STUCCO FINISH

3" = 1'-0"

0 2" 4" 8"

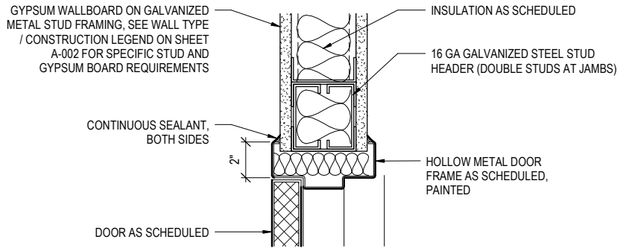
SCALE: 3" = 1'-0"

65% DESIGN SUBMITTAL

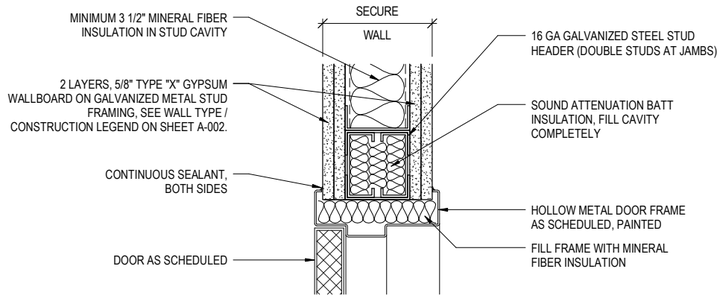
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY M. NOELI	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. L. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: EXTERIOR DOOR DETAIL
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. A-602	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET
23AH	FTFA 23-MM06			OF

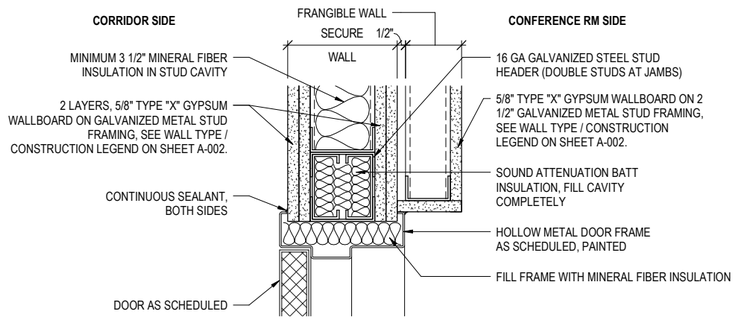


1 A-603 INTERIOR DOOR HEAD DETAIL
3" = 1'-0"



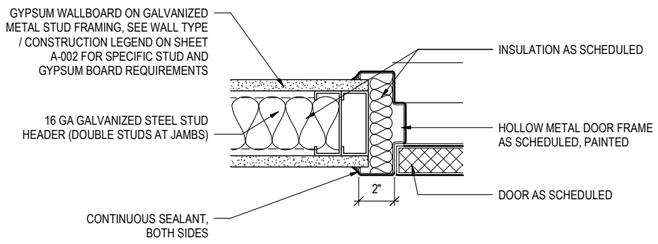
NOTE: SOUND SEALS TO BE PROVIDED AS REQUIRED BY TESTED ASSEMBLY

2 A-603 INTERIOR STC DOOR HEAD DETAIL
3" = 1'-0"

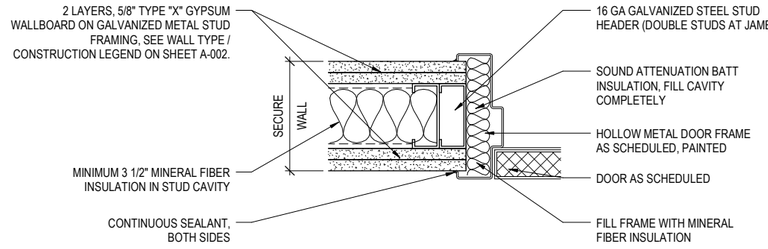


NOTE: SOUND SEALS TO BE PROVIDED AS REQUIRED BY TESTED ASSEMBLY

3 A-603 INTERIOR STC DOOR W/ FRANGIBLE HEAD DETAIL
3" = 1'-0"

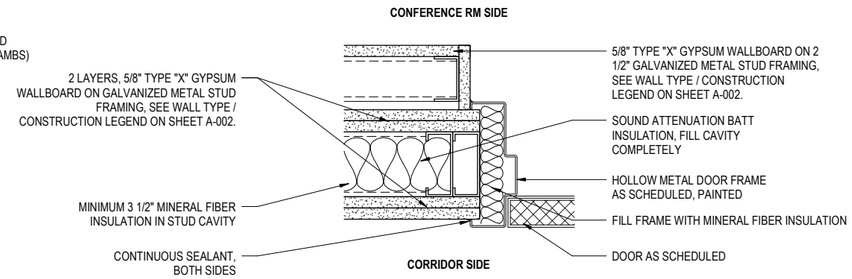


4 A-603 INTERIOR DOOR JAMB DETAIL
3" = 1'-0"



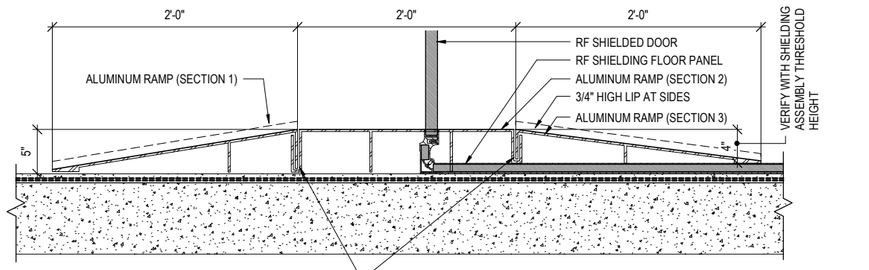
NOTE: SOUND SEALS TO BE PROVIDED AS REQUIRED BY TESTED ASSEMBLY

5 A-603 INTERIOR STC DOOR JAMB DETAIL
3" = 1'-0"



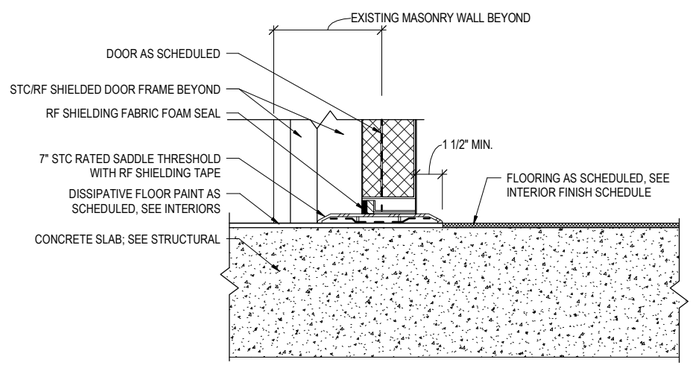
NOTE: SOUND SEALS TO BE PROVIDED AS REQUIRED BY TESTED ASSEMBLY

6 A-603 INTERIOR STC DOOR W/ FRANGIBLE JAMB DETAIL
3" = 1'-0"



1. RAMP TO BE 40" WIDE.
2. SUPPORT 2000 LBS ON 4 WHEEL ROLLING LOAD.
3. 1/4" THICK ALUMINUM WITH GROOVED TEXTURE FOR SLIP RESISTANCE.
4. PROVIDE STEEL WALL RACK TO HANG RAMP SECTIONS ON WALL WHEN NOT IN USE. LOCATE IN CORRODOR 450A.
5. PROVIDE INTEGRAL HANDLES ON SIDES FOR MOVING.

7 A-603 TYPICAL INTERIOR RF ENCLOSURE THRESHOLD DETAIL
1 1/2" = 1'-0"



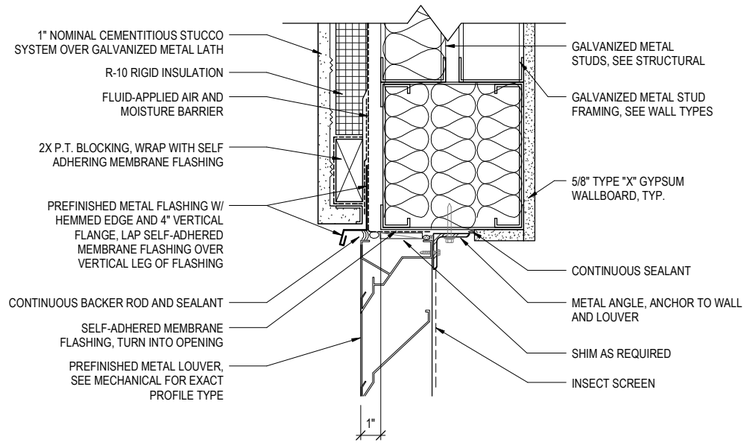
8 A-603 TYPICAL INTERIOR THRESHOLD DETAIL
3" = 1'-0"

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

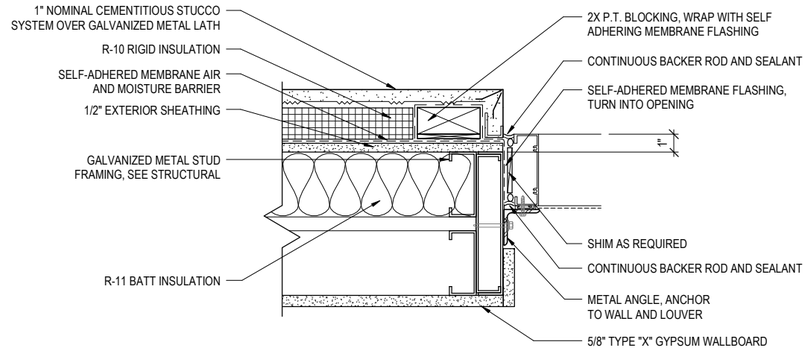
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

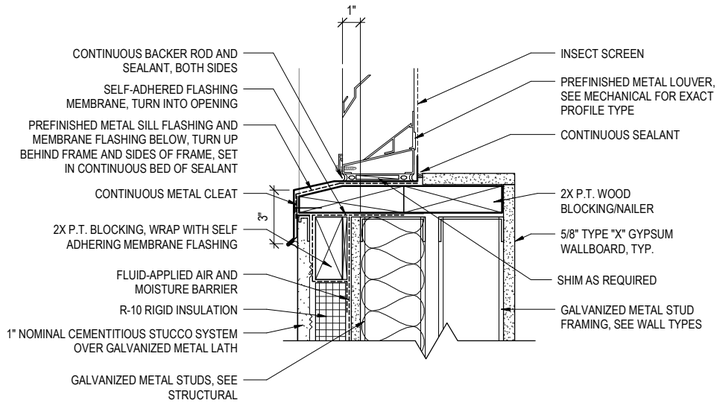
DATE	DRAWN BY M. NOELL	TITLE	
SIGNATURE	PROJ. ENGR. J. SAWYER	ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
APPROVED ASUS	APPROVED COMMUNICATIONS	INTERIOR DOOR DETAIL	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. A-603	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



1 A-610 LOUVER HEAD DETAIL
3" = 1'-0"



2 A-610 LOUVER JAMB DETAIL
3" = 1'-0"



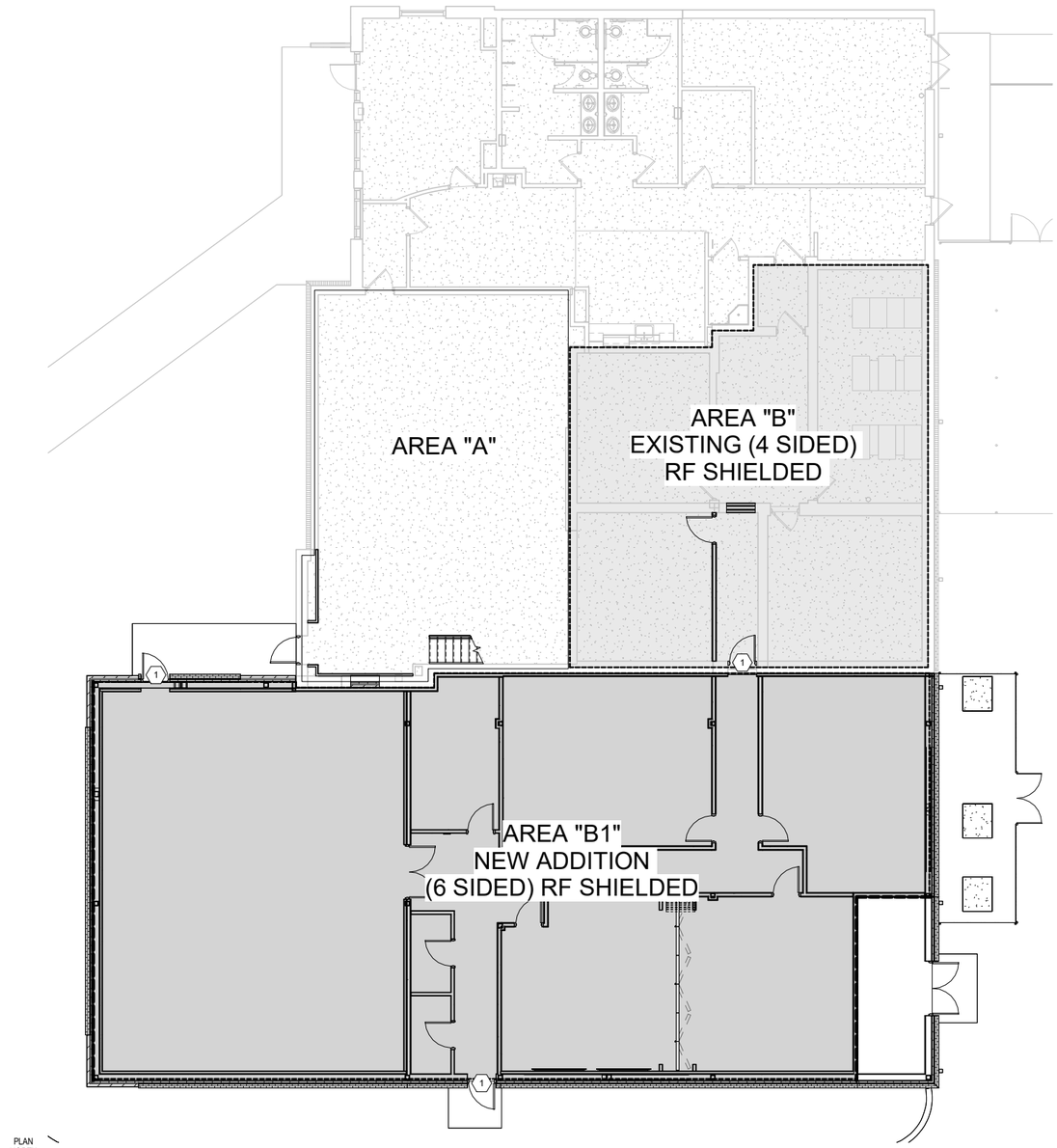
3 A-610 LOUVER SILL DETAIL
3" = 1'-0"

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY M. NOELL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. L. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: LOUVER ELEVATIONS AND DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. A-610	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO.; FILE NO.; SHEET OF



PLAN NORTH

1 RF-101

RF SHIELDING FLOOR PLAN

1/8" = 1'-0"

SHEET NOTES

1. RF SHIELDED DOOR ASSEMBLY, TYPE OF DOOR VARIES FOR EACH SHIELDED AREA

GRAPHIC LEGEND

- AREA A: EXISTING SECURE NON SHIELDED AREA.
- RF SHIELDED AREA B: EXISTING SECURE 4 SIDED RF SHIELDED AREA TO REMAIN.
- RF SHIELDED AREA B1: NEW SECURE 6 SIDED RF SHIELDED AREA.
- RF SHIELDING FOIL INSTALLED BETWEEN GYPSUM WALLBOARD LAYERS ON WALLS AND CEILING

RF SHIELDING PENETRATION SCHEDULE - SHIELDED AREA B & B1

ITEM	DESCRIPTION	RF SHIELDING PENETRATION INFORMATION	REMARKS
1	NON-PRESSURE PIPE (CONDENSATE, WASTE)	SEE RF DETAILS	REFER TO ENGINEERING DRAWINGS FOR PIPING QUANTITY, SIZE, AND APPROXIMATE LOCATIONS
2	PRESSURE PIPE (FIRE SPRINKLER, POTABLE WATER, REFRIGERENT PIPING)	SEE RF DETAIL	REFER TO ENGINEERING DRAWINGS FOR PIPING QUANTITY, SIZE, AND APPROXIMATE LOCATIONS
3	DUCTWORK	SEE RF DETAILS	REFER TO ENGINEERING DRAWINGS FOR DUCTWORK QUANTITY, SIZE, AND APPROXIMATE LOCATIONS
4	POWER FEED WIRING AND CONDUIT	SEE RF DETAILS	QUANTITY AND SIZE VARIES, COORDINATE WITH RELATED TRADE SUBCONTRACTOR
5	FIRE ALARM SYSTEM AND MASS NOTIFICATION SYSTEM WIRING AND CONDUIT	SEE RF DETAILS	QUANTITY AND SIZE VARIES, COORDINATE WITH RELATED TRADE SUBCONTRACTOR
6	VOICE/DATA SYSTEMS WIRING AND CONDUIT	SEE RF DETAILS	QUANTITY AND SIZE VARIES, COORDINATE WITH RELATED TRADE SUBCONTRACTOR
7	SIGNAL AND SECURITY SYSTEMS: WIRING & CONDUIT -ACCESS CONTROL SYSTEMS (ACS) -INTRUSIONS DETECTION SYSTEM (IDS) -WHITE NOISE, CCTV -OTHER LOW VOLTAGE SYSTEMS	SEE RF DETAILS	QUANTITY AND SIZE VARIES, COORDINATE WITH RELATED TRADE SUBCONTRACTOR
8	DOOR ASSEMBLY	SEE DETAILS 1,2,3,4/A-601 & 1,4/A-602	REFER TO ARCHITECTURAL FLOOR PLANS AND DOOR SCHEDULE FOR LOCATION, SIZE AND SPECIFICATIONS FOR HARDWARE REQUIREMENTS.
9	UTILITY SUPPORT SYSTEM	SEE DETAILS ON A-503	REFER TO CONTRACTOR SHOP DRAWINGS FOR LAYOUT
10	PARTITION ATTACHMENT & DETAILS	SEE DETAILS ON A-503	REFER TO VARIOUS ARCHITECTURAL SECTIONS FOR OTHER TYPICAL DETAILS
11	EQUIPMENT SUPPORT FRAMING	SEE DETAILS	REFER TO STRUCTURAL PLANS & DETAILS FOR LOCATIONS

GENERAL NOTES

1. ALL METALLIC BUILDING SYSTEMS AND COMPONENTS THAT PENETRATE THROUGH RF SHIELDING SHALL BE PROTECTED AS DETAILED AND REQUIRED BY RF SPECIFICATIONS.
2. RF SHIELDING:
   REFER TO RF SHIELDING DRAWINGS RF101 AND RF501 FOR RF SHIELDING PERIMETER AND DETAILS FOR RF SHIELDED AREA 1 AND 2. REFER TO SPECIFICATIONS 07 21 55 RF SHIELDING SYSTEMS - SHIELDED AREA 1 AND 07 21 56 RF SHIELDING SYSTEMS - SHIELDED AREA 2.
   A. METALLIC SUPPORTS FOR SUSPENSION OF BUILDING SYSTEMS THAT PENETRATE THE RF SHIELDING SHALL BE GROUNDED TO THE SHIELDING TO PREVENT THE METALLIC COMPONENT FROM CARRYING AUDIO AND RADIO FREQUENCY (RF) EMANATIONS. SPECIFIC PRODUCTS AND METHODS TO BE DETERMINED BY THE RF SHIELDING MANUFACTURER AND BUILDING SYSTEM INSTALLERS.
   B. METALLIC SCREWS AND FASTENERS FOR ATTACHMENT OF VARIOUS BUILDING SYSTEMS AND COMPONENTS THAT PENETRATE THROUGH THE RF SHIELDING SHALL BE CONDUCTIVE SCREWS (UNCOATED OR UN PAINTED) INSTALLED IN A MANNER TO GROUND THE SCREWS TO THE RF SHIELDING TO PREVENT THE METALLIC COMPONENT FROM CARRYING AUDIO AND RADIO FREQUENCY (RF) EMANATIONS (IE: SCREWS FOR ATTACHMENT OF MULTI-LAYERED GYPSUM WALLBOARD, METAL STUD FRAMING, OUTLET BOXES, ACCESS FLOORING PEDESTALS, ETC). SPECIFIC PRODUCTS AND METHODS TO BE DETERMINED BY THE RF SHIELDING MANUFACTURER AND BUILDING SYSTEM INSTALLERS.
   C. GOVERNMENT WILL PERFORM VISUAL INSPECTIONS OF THE SHIELDING DURING INSTALLATION.

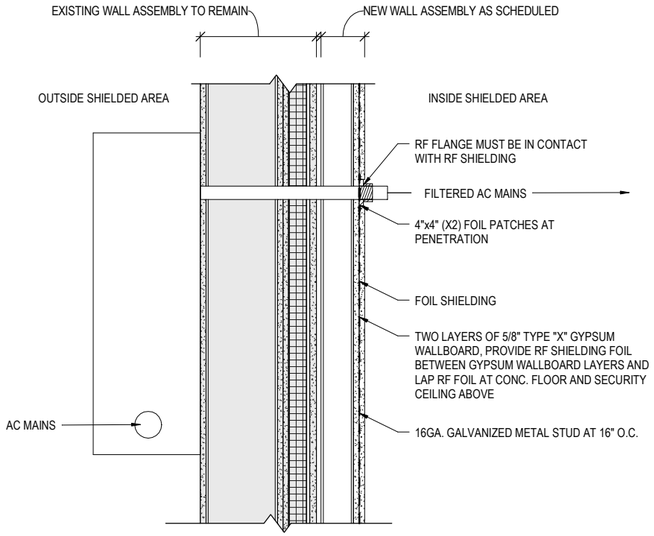
0 4' 8' 16'

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

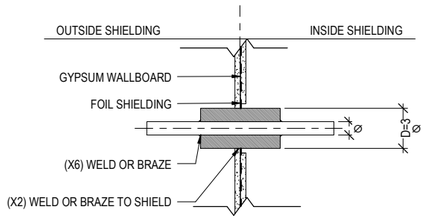
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

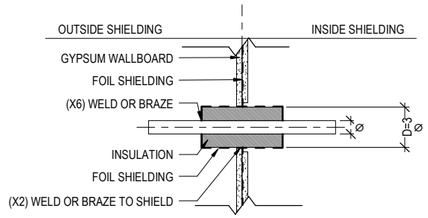
DATE	DRAWN BY M. NOELI	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. L. SAWYER		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	RF SHIELDING PLAN AND SCHEDULE
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. RF-101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



1 RF-502 TYPICAL POWER LINE FILTER DETAIL
NOT TO SCALE

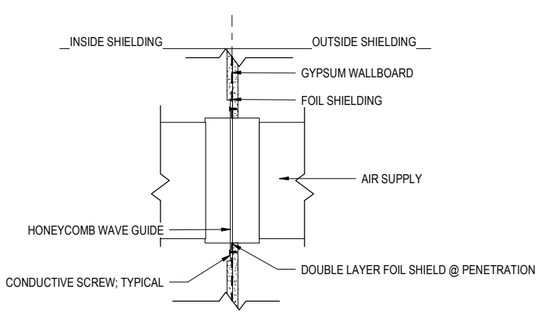


2 RF-502 TYPICAL INSULATED PIPE PENETRATION
NOT TO SCALE



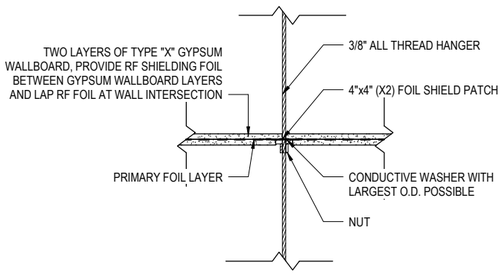
NOTE:
OVERALL PENETRATION SLEEVE BONDED TO FOIL SHILED AROUND PERIMETER. INSULATION CUT TO BOND PENETRATION SLEEVE SIX INCHES FROM WALL INTERFACE. PENETRATION SLEEVE SHALL BE BONDED AROUND THE PERIMETER OF THE PIPE. ALL NON-CONDUCTIVE MATERIAL REMOVED FROM ALL PIPES TO EFFECT BOND.

3 RF-502 TYPICAL RF SHIELDED INSULATED PIPE PENETRATION
NOT TO SCALE



NOTE:
WHEN SELECTING A WAVE GUIDE TAKE INTO CONSIDERATION PRESSURE DROP CAUSED BY THE HONEYCOMB PATTERN.

4 RF-502 TYPICAL HVAC HONEY COMB PENETRATION
NOT TO SCALE



NOTE:
EVERY PENETRATION SHALL HAVE TWO (2) 4"x4" FOIL PATCHES.

5 RF-502 TYPICAL HANGER PENETRATION
NOT TO SCALE

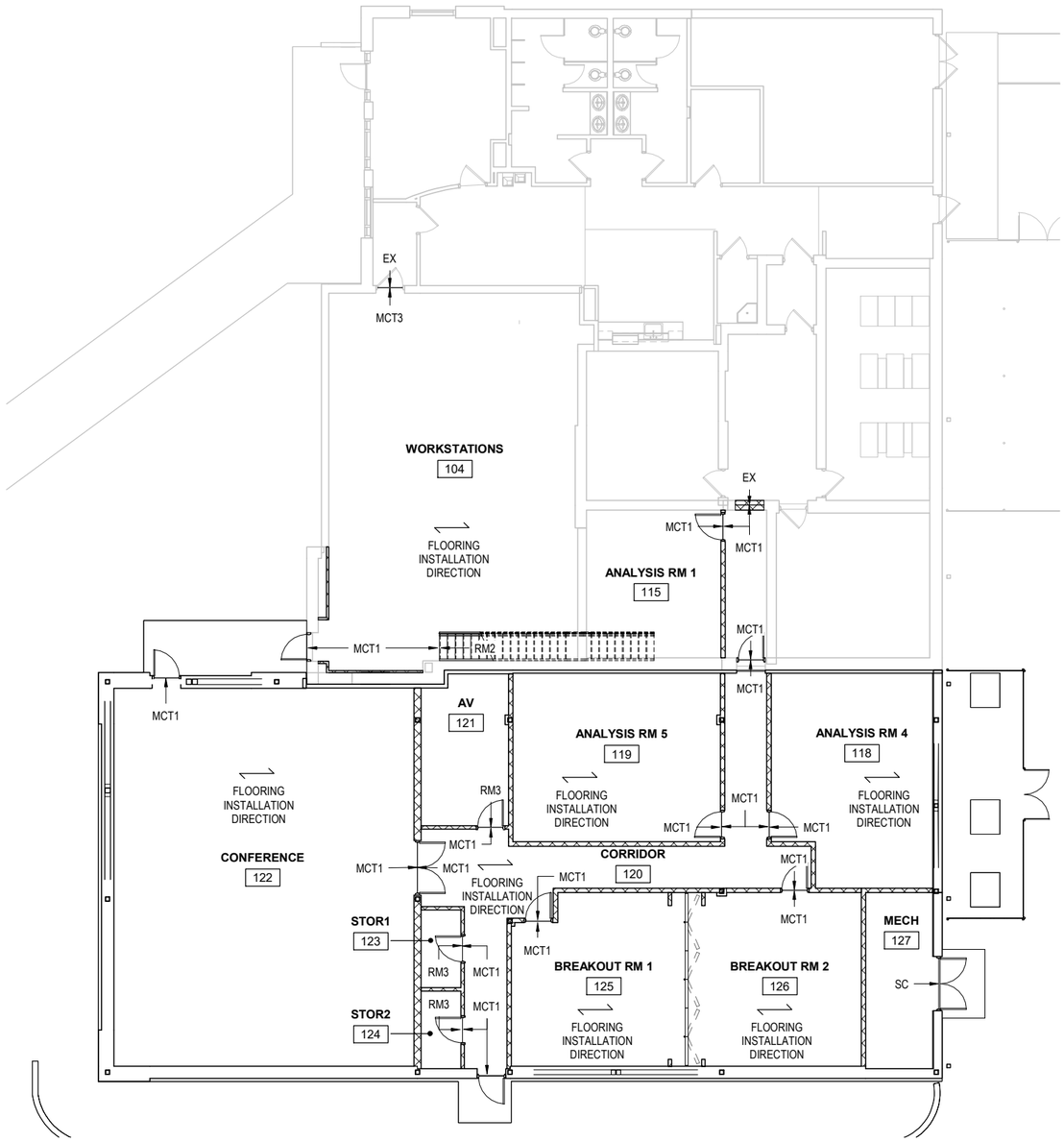
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

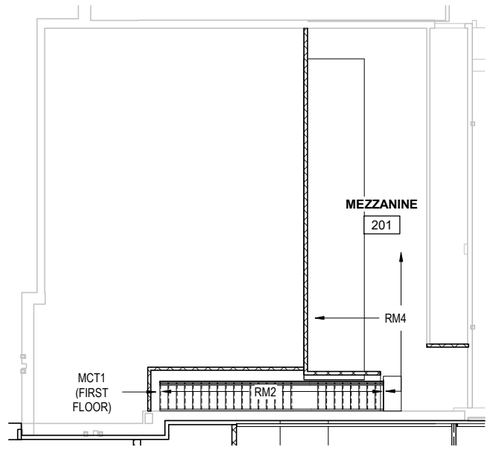
DATE	DRAWN BY M. NOELL	TITLE	
SIGNATURE	PROJ. ENGR. J. SAWYER	ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
APPROVED ASUS	APPROVED COMMUNICATIONS	RF SHIELDING DETAILS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. RF-502	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

GENERAL NOTES

1. REFER TO REFLECTED CEILING PLAN SHEET A-150 FOR CEILING HEIGHTS.
2. REFER TO SHEET I-101 FOR EXTENT OF FLOOR FINISHES.
3. REFER TO SHEET I-601 FOR INTERIOR FINISH SCHEDULE AND LEGEND.
4. REFER TO SHEET I-103 FOR SIGNAGE AND CORNER GUARD PLANS.
5. ALL INTERIOR HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED PT2.
6. ALL ELECTRICAL SWITCHES, RECEPTACLES, VOICE AND DATA PLATES SHALL BE GREY.
7. INSTALL FLOOR FINISH MATERIAL WITH SCHLUTER SYSTEM (OR EQUAL) METAL EDGE TRIM AT JUNCTURE OF DISSIMILAR MATERIALS; I.E. PORCELAIN PAVER AND MODULAR CARPET TILE.
8. ALL EXPOSED STRUCTURE SHALL BE PAINTED PT4 .
9. CORNER GUARDS SHALL EXTEND FROM TOP OF WALL BASE TO CEILING. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS IN CORRIDORS.
10. AP (ACOUSTICAL PANELS) SHALL BE MOUNTED AT _____.
11. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED ON THE ACOUSTICAL CEILING TILE.
12. FOR CMU WALLS, PROVIDE 2 COATS BLOCK FILLER AND 2 COATS SEMI-GLOSS PAINT.
13. FINISH SCHEDULE IS BASED ON PLAN NORTH.
14. PROVIDE TRANSITION TRIM WHERE TWO DIFFERENT FLOOR MATERIALS ADJOIN.
15. SEE WALL TYPE LEGEND FOR WALL SUBSTRATE.
16. INTERIOR AND EXTERIOR FINISH MATERIALS AND COLORS SHALL BE AS REFERENCED IN THE SPECIFICATION SECTION 09 06 00 SCHEDULE FOR FINISHES WHICH PROVIDES DETAILS INFORMATION OF THE FINISH CODES SHOWN ON THE FINISH LEGEND.
17. REFERENCE FINISH SPECIFICATION SECTIONS FOR THE BASIS OF DESIGN EQUIVALENT MANUFACTURER TECHNICAL REQUIREMENTS.
18. INTERIOR CAULKING TO MATCH ADJACENT WALL FINISH COLOR.
19. FLOORING INSTALLED IN EXISTING ANALYSIS ROOM AND ADJACENT CORRIDOR SHALL MATCH EXISTING DIRECTIONAL PATTERN. ALL OTHER AREAS RECEIVING MCT, INSTALL IN DIRECTION NOTED ON I-101.



PLAN NORTH 1 I-101 — FINISH PLAN - NEW WORK
1/8" = 1'-0"



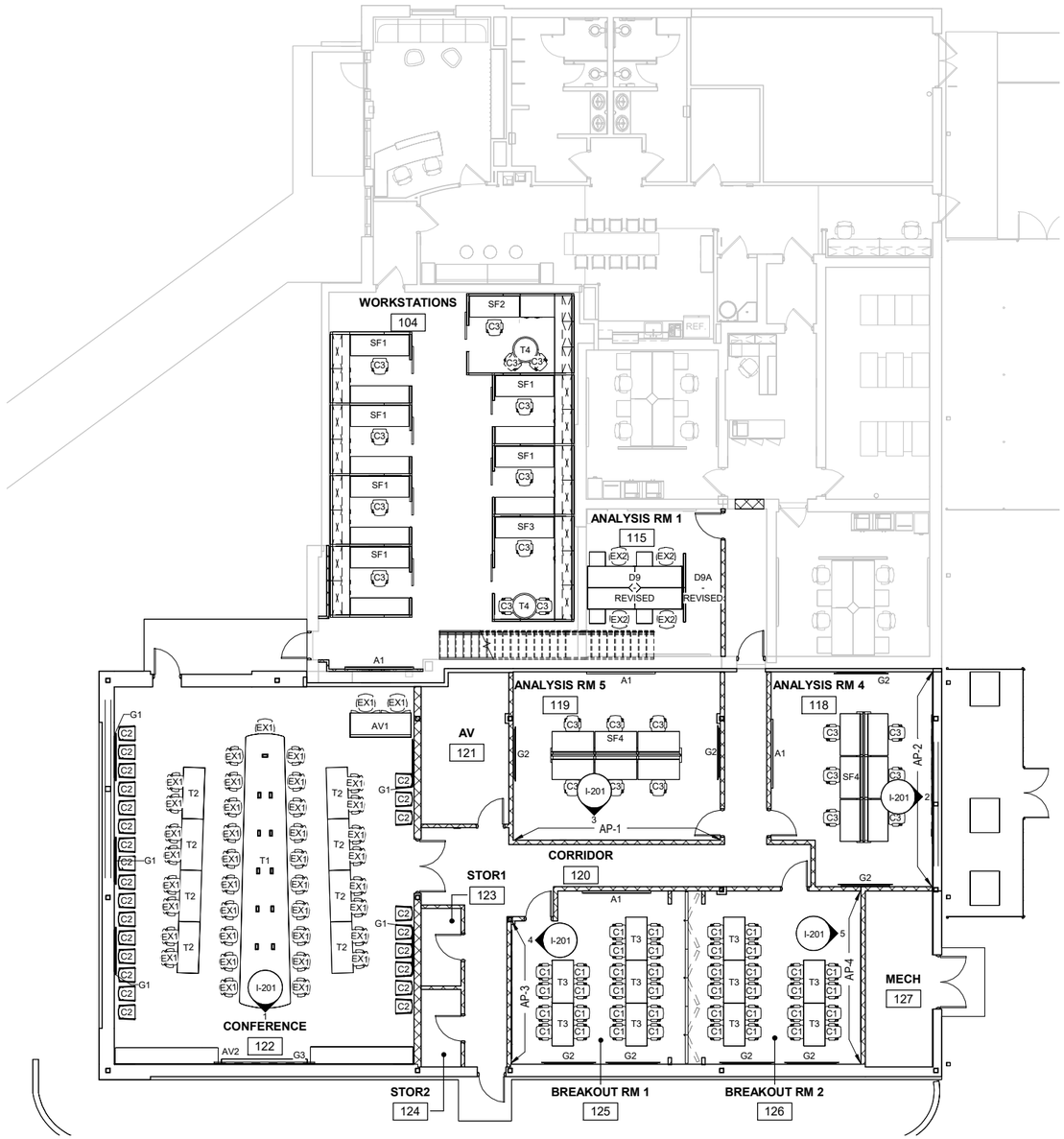
PLAN NORTH 2 I-101 — FINISH PLAN - MEZZANINE NEW WORK
1/8" = 1'-0"

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

65% DESIGN SUBMITTAL

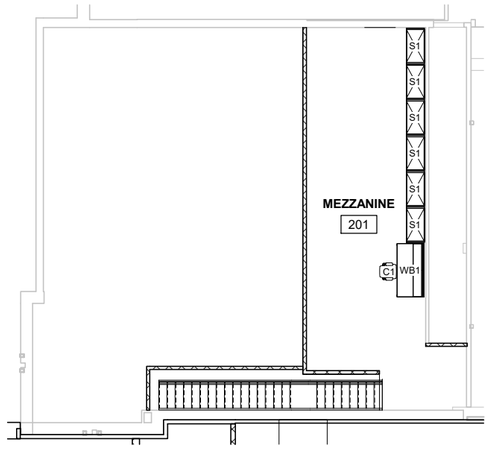
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE _____ SIGNATURE _____	DRAWN BY K. McMURRAY; PROJ. ENGR. J. SAWYER	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: FINISH PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. I-101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO. / FILE NO. / SHEET OF



PLAN NORTH
1 I-102
1/8" = 1'-0"

FURNITURE PLAN - NEW WORK



PLAN NORTH
2 I-102
1/8" = 1'-0"

FURNITURE PLAN - MEZZANINE NEW WORK

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

FURNITURE SCHEDULE

TYPE MARK	DESCRIPTION
A1	MARKER BOARD - 96"W x 48"H
AP1	ACOUSTICAL PANEL
AP2	ACOUSTICAL PANEL
AP3	ACOUSTICAL PANEL
AP4	ACOUSTICAL PANEL
AV1	AUDIO VISUAL CONTROL STATION
AV2	AUDIO VISUAL WALL WITH CREDENZAS
C1	SIT-STAND CHAIR WITH ARMS
C2	GUEST CHAIR
C3	TASK CHAIR
D9 - REVISED	ANALYSIS ROOM DESKING
D9A - REVISED	ANALYSIS ROOM DESKING
EX1	EXISTING CONFERENCE ROOM CHAIR
EX2	EXISTING TASK CHAIR
S1	SHELVING SYSTEM - 4'-0"W X 2'-0"D X 8'-0"H
SF1	U-SHAPED WORKSTATION - 9'-0" X 8'-0"
SF2	L-SHAPED WORKSTATION - 12'-0" X 9'-0"
SF3	L-SHAPED WORKSTATION - 9'-0" X 12'-0"
SF4	6 PERSON HEIGHT ADJUSTABLE BENCHING GROUP
T1	CONFERENCE ROOM TABLE 72" Wx26' Lx 30" H
T2	TABLE - 72"W X 30"D
T3	HIGH-TOP WORK TABLE ON CASTERS - 60"W X 30"D X 41"H
T4	ROUND TABLE - 3' DIAMETER
WB1	WORKBENCH - 72" x 36"

GFGI FURNITURE SCHEDULE

TYPE MARK	DESCRIPTION
G1	FLAT PANEL DISPLAY - 75"
G2	FLAT PANEL DISPLAY - 86"
G3	PROJECTION SCREEN

FURNITURE LEGEND

MARK	DESCRIPTION
A	ACCESSORIES
AV	AUDIOVISUAL EQUIPMENT
C	SEATING
D	DESKING
E	EQUIPMENT
EX	EXISTING FURNITURE ITEM
G	GOV'T FURNISHED / GOV'T INSTALLED (GFGI)
S	STORAGE
SF	SYSTEMS FURNITURE
T	TABLE
WB	WORKBENCH

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE
APPROVED SECURITY FORCES
APPROVED ASUS
APPROVED CHELCO
INDEX NO. I-102

DRAWN BY K. McMURRAY
PROJ. ENGR. L. SAWYER
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED USING AGENCY
APPROVED COMMUNICATIONS
APPROVED OPERATIONS ENGINEERING
APPROVED ENVIRONMENTAL
SPEC. NO. 23AH

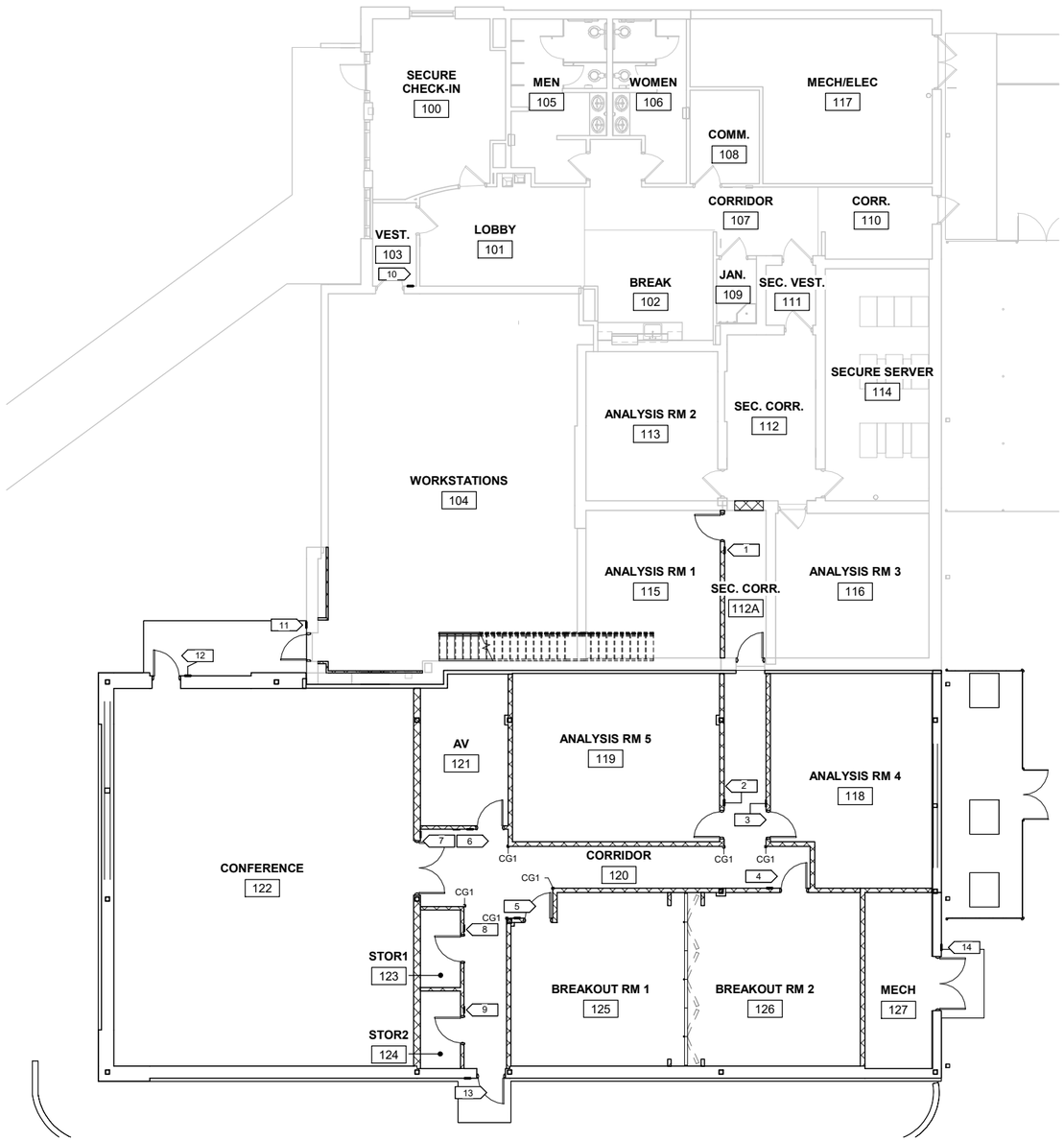
TITLE: ADDITION AND RENOVATION B521
CONTENTS: FURNITURE PLAN
APPROVED 96/CEG/CEN
APPROVED DEPUTY BASE CIVIL ENGINEER
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
DATE 13 MARCH 2024
SCALE AS SHOWN
SHEET OF

LEGEND

1	SIGNAGE DESIGNATION
⌟	CORNER GUARD DESIGNATION - 90 DEGREE CORNER

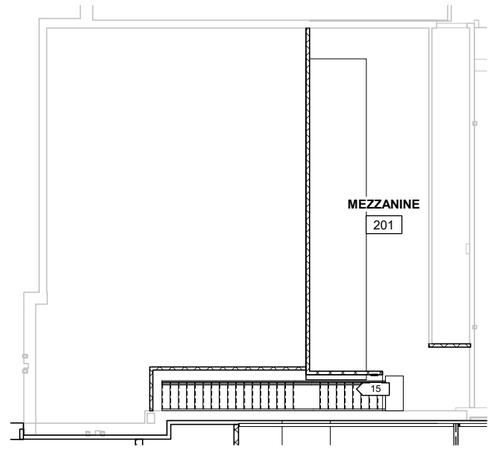
SIGNAGE NOTES

1. SIGNAGE SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ADA/ABA GUIDELINES.
2. REFER TO FINISH SPECIFICATION SECTIONS FOR THE BASIS OF DESIGN EQUIVALENT MANUFACTURER'S TECHNICAL REQUIREMENTS.
3. REFER TO THE INTERIOR FINISH LEGEND ON SHEET I-601 FOR SIGNAGE FINISHES.
4. REFER TO SHEET I-602 FOR SIGNAGE MOUNTING TYPICAL AND DETAILS.
5. REFER TO SHEET I-103 FOR SIGNAGE LOCATION PLAN.
6. CONFIRM / COORDINATE COPY TEXT WITH USER BEFORE PURCHASING SIGNAGE.



PLAN NORTH 1 I-103 — 1/8" = 1'-0"

SIGNAGE PLAN - NEW WORK



PLAN NORTH 2 I-103 — 1/8" = 1'-0"

SIGNAGE PLAN - MEZZANINE NEW WORK

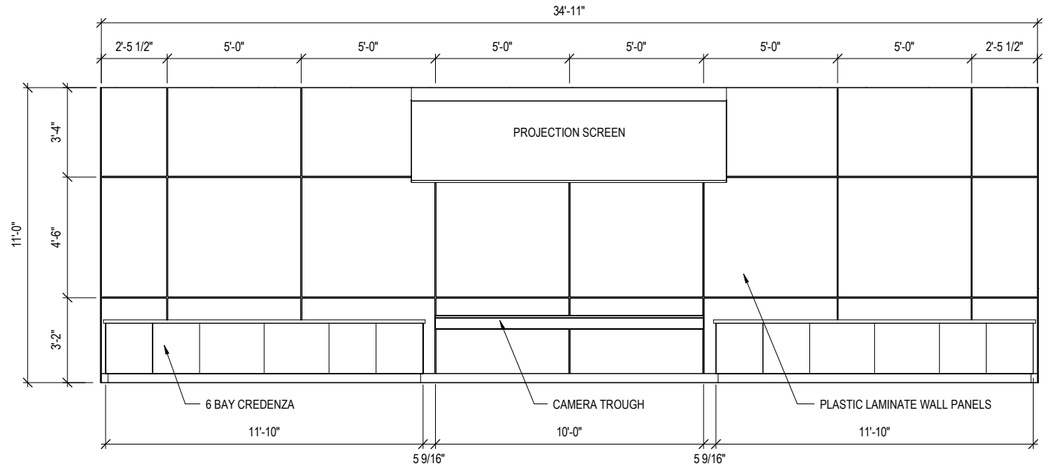
0 4' 8' 16'

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

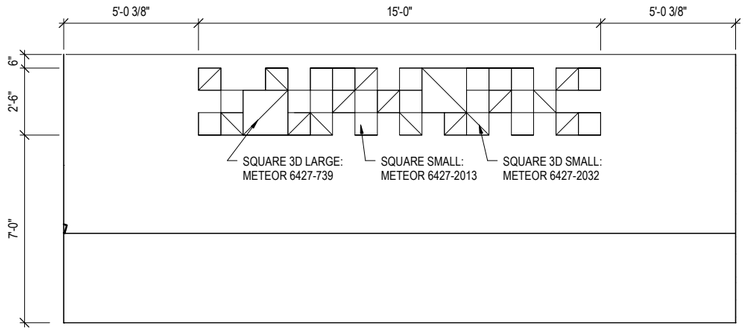
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY K. McMURRAY; PROJ. ENGR. J. SAWYER	TITLE	ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	SIGNAGE AND CORNER GUARD PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. I-103	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

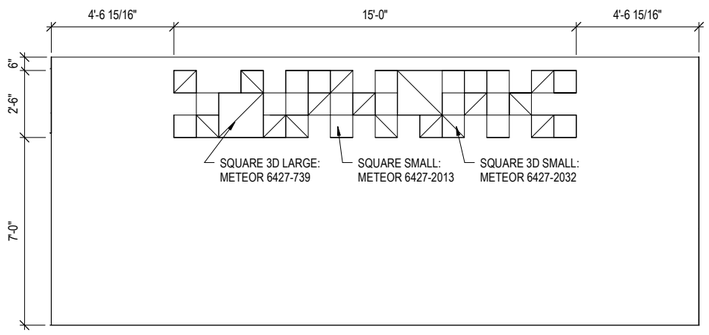
65% DESIGN SUBMITTAL



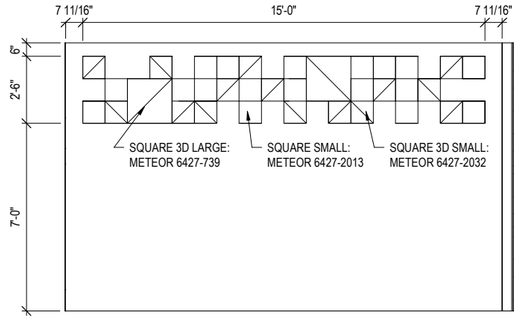
1 I-201 CONFERENCE ROOM 122 AV WALL ELEVATION
3/8" = 1'-0"



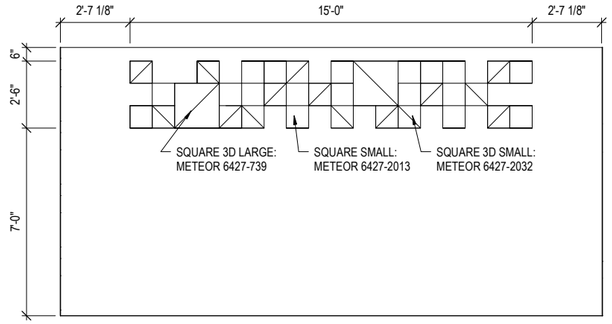
2 I-201 ACOUSTICAL PANEL ELEVATION - ROOM 118
3/8" = 1'-0"



3 I-201 ACOUSTICAL PANEL ELEVATION - ROOM 119
3/8" = 1'-0"



4 I-201 ACOUSTICAL PANEL ELEVATION - ROOM 125
3/8" = 1'-0"



5 I-201 ACOUSTICAL PANEL ELEVATION - ROOM 126
3/8" = 1'-0"

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

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE

DRAWN BY K. McMURRAY
PROJ. ENGR. J. SAWYER
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
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APPROVED USING AGENCY
APPROVED ASUS
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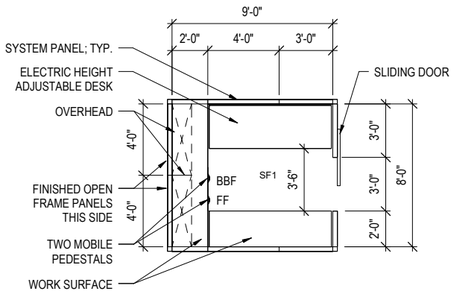
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER

TITLE
ADDITION AND RENOVATION B521

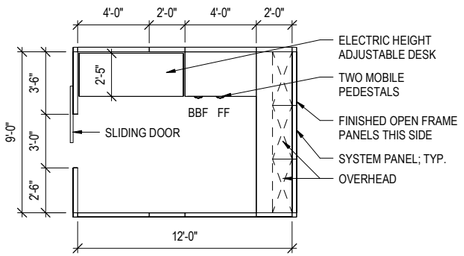
CONTENTS
INTERIOR ELEVATIONS

INDEX NO. I-201
DATE 13 MARCH 2024
SCALE AS SHOWN
SHEET OF

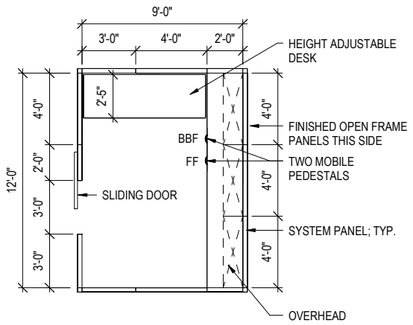
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.
23AH	FTFA 23-MM06		



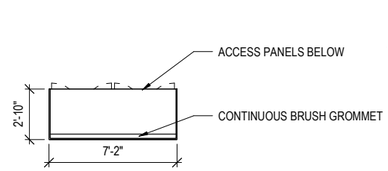
1 I-401 SF1- PLAN VIEW
1/4" = 1'-0"



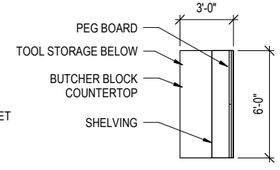
3 I-401 SF2- PLAN VIEW
1/4" = 1'-0"



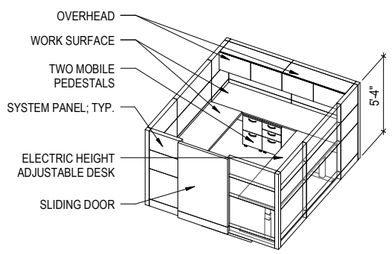
5 I-401 SF3- PLAN VIEW
1/4" = 1'-0"



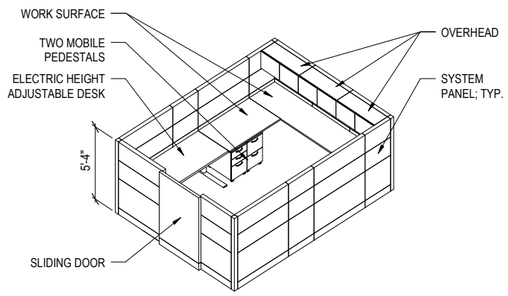
7 I-401 AV1- PLAN VIEW
1/4" = 1'-0"



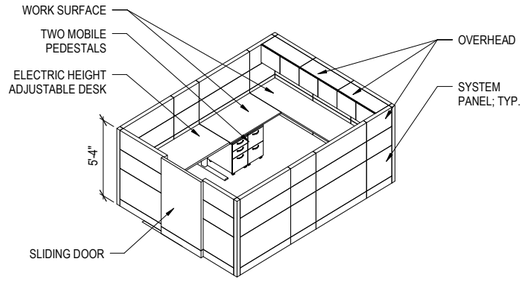
9 I-401 WB-1 -PLAN VIEW
1/4" = 1'-0"



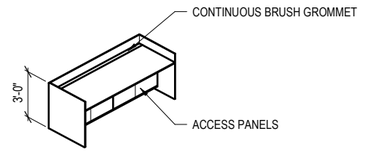
2 I-401 SF1- 3D VIEW



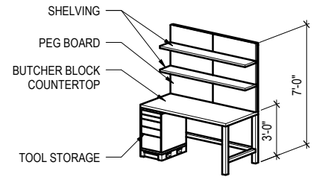
4 I-401 SF2- 3D VIEW



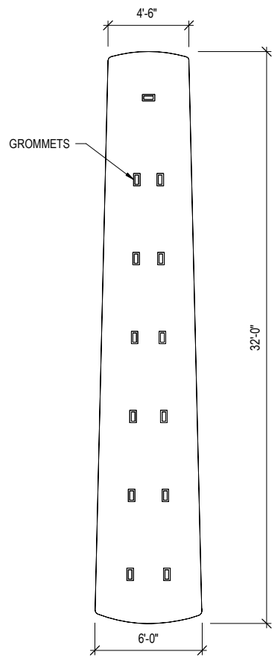
6 I-401 SF3- 3D VIEW



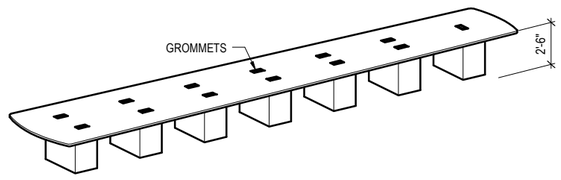
8 I-401 AV1- 3D VIEW



10 I-401 WB-1 3D VIEW



11 I-401 T1- PLAN VIEW
1/4" = 1'-0"



12 I-401 T1- 3D VIEW

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY K. McMURRAY	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. J. SAWYER	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: FURNITURE TYPICALS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. I-401	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 — DRAWING NO. — FILE NO. — SHEET OF

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				MILLWORK	CEILING	REMARKS
				NORTH	EAST	SOUTH	WEST			
		FIN - COLOR	FIN - COLOR	FIN - COLOR	FIN - COLOR	FIN - COLOR	FIN - COLOR	FIN - COLOR	FIN - COLOR	
104	WORKSTATIONS	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
112A	SEC. CORR.	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
115	ANALYSIS RM 1	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
118	ANALYSIS RM 4	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
119	ANALYSIS RM 5	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
120	CORRIDOR	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
121	AV	RM-3	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
122	CONFERENCE	MCT-1	RM-1	PT-1	PT-1	WD-2 / AP-1	PT-1	---	GWB - PT-6, PT-7 / ACT-2	
123	STOR1	RM-3	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
124	STOR2	RM-3	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
125	BREAKOUT RM 1	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
126	BREAKOUT RM 2	MCT-1	RM-1	PT-1	PT-1	PT-1	PT-1	---	ACT-1	
127	MECH	SC-1	RM-1	PT-3	PT-3	PT-3	PT-3	---	GWB - PT-5	
201	MEZZANINE	RM-3	RM-1	PT-1	PT-1	PT-1	PT-1	---	EXP - PT-4	

INTERIOR FINISH LEGEND

UFGS SPEC NUMBER	MATERIAL CODE	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	PRODUCT / STYLE NUMBER / SIZE	COLOR NAME / NUMBER	ADDITIONAL COMMENTS
1 - INTERIOR FLOOR FINISHES						
	MCT-1	MODULAR CARPET TILE	BENTLEY	LOST ANGELES COLLECTION; UNDERGROUND 8UU20AA0T; NEXSTEP CUSHION BACKING; SIZE: 18" X 36"; INSTALLATION METHOD: BRICK	SUNKEN CITY 8006300	
	RM-2	RUBBER STAIR TREADS, RISERS, AND LANDING	TARKETT	JOHNSONITE COLOR SPLASH RUBBER TREADS, RISERS, AND LANDING; HAMMERED FINISH; WITH 55 SILVER GREY GRIT TAPE	VIHNTRSP VH1 5' SQ GREY TAPE NON-STK	
	RM-3	RESILIENT FLOORING	AMERICAN BILTRITE	ELECTROTILE; SDT-135, 12" X 12" X 1/8" THICK	GREY	
	RM-4	RESILIENT FLOORING	AMERICAN BILTRITE	TEXAS GRANITE, VTG-199, 12" X 12"X 1/8" THICK	CAROLINA SAILING	
	SC	SEALED CONCRETE	H & C	CLARISHIELD WATER-BASED SEALER; NATURAL LOOK	CLEAR SEALER	
2 - INTERIOR BASE FINISHES						
	RM-1	RUBBER WALL BASE	JOHNSONITE	DURACOVE THERMOSET RUBBER COVE BASE 6" HIGH	DEEP NAVY 139	
3 - INTERIOR WALL FINISHES						
	AP-1	ACOUSTICAL WALL PANELS	KIREI	FELT PANELS;		
	OP-1	OPERABLE PARTITION	MODERNFOLD	PAIRED PANELS; LEGACY 52 STC, FABRIC PANELS	FABRIC, CARNEGIE XOREL; TANGLE, 6213-7, TRIM - MATCH SHERWIN WILLIAMS SMOKE GREY, MATCH SMOKE GREY	
	PT-1	PAINT - WALLS	SHERWIN WILLIAMS	EGGSHELL FINISH	LAZY GREY SW6254	
	PT-3	PAINT - WALLS	SHERWIN WILLIAMS	FINISH: SEMI-GLOSS	WHITE	
4 - INTERIOR CEILING FINISHES						
	ACT-1	ACOUSTICAL CEILING TILE	ROCKFON	PRODUCT: TROPIC; SIZE:24" X 24" X 5/8"; SQUARE TEGULAR; CHICAGO METALLIC GRID SYSTEM 1200 HRC:15/16"; COLOR: WHITE	WHITE	
	ACT-2	ACOUSTICAL CEILING TILE	ARMSTRONG CEILING SOLUTIONS	PRODUCT: OPTIMA 3256PB; SIZE: 48" X 48" X 1"; SQUARE TEGULAR; GRID SYSTEM: SUPRAFINE; COLOR: WHITE	WHITE	
	EXP-1	EXPOSED STRUCTURE - PAINTED	SHERWIN WILLIAMS	FINISH: SEMI-GLOSS	CEILING BRIGHT WHITE SW7007	
	PT-4	PAINT - CEILING	SHERWIN WILLIAMS	FINISH: SEMI-GLOSS	MINERAL GRAY SW2740	
	PT-5	PAINT - CEILING	SHERWIN WILLIAMS	FINISH: FLAT	CEILING BRIGHT WHITE SW7007	
	PT-6	PAINT - CEILING	SHERWIN WILLIAMS	FINISH: FLAT	REFLECTIONS SW7661	
	PT-7	PAINT - CEILING	SHERWIN WILLIAMS	FINISH: FLAT	MORNING FOG SW6255	
5 - INTERIOR TRIM						
	CG-1	CORNER GUARD	INPRO	FINISH: VELOUR TEXTURE	GRAYSTONE 0151	
	PT-2	PAINT - HOLLOW METAL DOORS AND TRIM	SHERWIN WILLIAMS	FINISH: SEMI-GLOSS	MORNING FOG SW6255	
6 - INTERIOR MISCELLANEOUS						
	PT-8	PAINT - STAIR RAILING AND STRINGER	SHERWIN WILLIAMS	FINISH: SEMI-GLOSS	MINERAL GRAY SW2740	
	WD-1	WOOD DOORS	GRAHAM WOOD DOORS	PLAIN SLICED WHITE BIRCH; BOOK MATCHED	MIDNIGHT 850	
	WD-2	WOOD PANEL				
7 - INTERIOR SIGNAGE						
	IS	INTERIOR SIGNAGE - FACE MATERIAL	TAKEFORM	PLASTIC LAMINATE: WILSONART	INDIGO D379K-60	
	IS	INTERIOR SIGNAGE - RAISED COPY	TAKEFORM	---	BLACK	
	IS	INTERIOR SIGNAGE - BACKER PLATE	TAKEFORM	PLASTIC LAMINATE: NEVAMAR	SILVER ALU METALX MXT003-T	
	IS	INTERIOR SIGNAGE - METAL ACCENT BAR	TAKEFORM	---	BLACK	
	IS	INTERIOR SIGNAGE - INSERT BACKGROUND	TAKEFORM	CARDSTOCK	WHITE	
	IS	INTERIOR SIGNAGE - FONT STYLE	TAKEFORM	---	HELVETICA	
	IS	INTERIOR SIGNAGE - INSERT TEXT	TAKEFORM	---	BLACK	

ROOM FINISH ABBR. KEY

ACT -	ACOUSTICAL CEILING TILE	GWB -	GYPSUM WALLBOARD
AP -	ACOUSTICAL PANELS	IS -	INTERIOR SIGNAGE
CG -	CORNER GUARD	MCT -	MODULAR CARPET TILE
CMU -	CONCRETE MASONRY UNIT	PT -	PAINT
CONC -	CONCRETE	RM -	RESILIENT MATERIAL
EX -	EXISTING CONSTRUCTION	SC -	SEALED CONCRETE
EXP -	EXPOSED STRUCTURE	WD -	WOOD

GENERAL NOTES

1. REFER TO REFLECTED CEILING PLAN SHEET A-150 FOR CEILING HEIGHTS.
2. REFER TO SHEET I-101 FOR EXTENT OF FLOOR FINISHES.
3. REFER TO SHEET I-601 FOR INTERIOR FINISH SCHEDULE AND LEGEND.
4. REFER TO SHEET I-103 FOR SIGNAGE AND CORNER GUARD PLANS.
5. ALL INTERIOR HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED PT2.
6. ALL ELECTRICAL SWITCHES, RECEPTACLES, VOICE AND DATA PLATES SHALL BE GREY.
7. INSTALL FLOOR FINISH MATERIAL WITH SCHLUTER SYSTEM (OR EQUAL) METAL EDGE TRIM AT JUNCTURE OF DISSIMILAR MATERIALS; I.E. PORCELAIN PAVER AND MODULAR CARPET TILE.
8. ALL EXPOSED STRUCTURE SHALL BE PAINTED PT4 .
9. CORNER GUARDS SHALL EXTEND FROM TOP OF WALL BASE TO CEILING. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS IN CORRIDORS.
10. AP (ACOUSTICAL PANELS) SHALL BE MOUNTED AT _____.
11. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED ON THE ACOUSTICAL CEILING TILE.
12. FOR CMU WALLS, PROVIDE 2 COATS BLOCK FILLER AND 2 COATS SEMI-GLOSS PAINT.
13. FINISH SCHEDULE IS BASED ON PLAN NORTH.
14. PROVIDE TRANSITION TRIM WHERE TWO DIFFERENT FLOOR MATERIALS ADJOIN.
15. SEE WALL TYPE LEGEND FOR WALL SUBSTRATE.
16. INTERIOR AND EXTERIOR FINISH MATERIALS AND COLORS SHALL BE AS REFERENCED IN THE SPECIFICATION SECTION 09 06 00 SCHEDULE FOR FINISHES WHICH PROVIDES DETAILS INFORMATION OF THE FINISH CODES SHOWN ON THE FINISH LEGEND.
17. REFERENCE FINISH SPECIFICATION SECTIONS FOR THE BASIS OF DESIGN EQUIVALENT MANUFACTURER TECHNICAL REQUIREMENTS.
18. INTERIOR CAULKING TO MATCH ADJACENT WALL FINISH COLOR.
19. FLOORING INSTALLED IN EXISTING ANALYSIS ROOM AND ADJACENT CORRIDOR SHALL MATCH EXISTING DIRECTIONAL PATTERN. ALL OTHER AREAS RECEIVING MCT, INSTALL IN DIRECTION NOTED ON I-101.

FINISH SCHEDULE REMARKS

1. EXISTING FINISH SHALL REMAIN.
2. PATCH AND REPAIR ADJACENT WALLS DUE TO DEMOLITION. PAINT SHALL MATCH EXISTING.
3. CLEAN AND PREP ALL EXISTING SURFACES FOR NEW FINISH.

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY K. McMURRAY
PROJ. ENGR. L. SAWYER
DATE
SIGNATURE
APPROVED — FIRE PREVENTION
APPROVED — SAFETY REPRESENTATIVE
APPROVED — DIR. BASE MED. SERVICE
APPROVED — SECURITY FORCES
APPROVED — USING AGENCY
APPROVED — ASUS
APPROVED — COMMUNICATIONS
APPROVED — CHELCO
APPROVED — OPERATIONS ENGINEERING
APPROVED — 96/CEG/CEN
APPROVED — ENVIRONMENTAL
APPROVED — DEPUTY BASE CIVIL ENGINEER

TITLE
ADDITION AND RENOVATION B521

CONTENTS
FINISH SCHEDULE, NOTES, AND DETAILS

DATE 13 MARCH 2024
SCALE AS SHOWN
INDEX NO. I-601
SPEC. NO. 23AH
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
SHEET OF

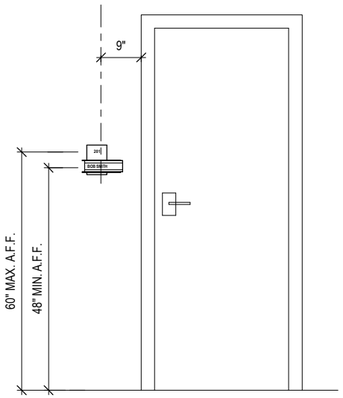
SIGNAGE SCHEDULE

MARK	ROOM NUMBER	ROOM NAME	PERMANENT COPY	CHANGEABLE COPY	TYPE	MOUNT LOCATION
1	115	ANALYSIS RM 1	---	ANALYSIS ROOM	TYPE A	INTERIOR WALL
2	119	ANALYSIS RM 5	---	ANALYSIS ROOM	TYPE A	INTERIOR WALL
3	118	ANALYSIS RM 4	---	ANALYSIS ROOM	TYPE A	INTERIOR WALL
4	126	BREAKOUT RM 2	---	BREAKOUT ROOM	TYPE A	INTERIOR WALL
5	125	BREAKOUT RM 1	---	BREAKOUT ROOM	TYPE A	INTERIOR WALL
6	121	AV	AV ROOM	---	TYPE B	INTERIOR WALL
7	122	CONFERENCE	---	CONFERENCE ROOM	TYPE D	INTERIOR WALL
8	123	STOR1	STORAGE	---	TYPE B	INTERIOR WALL
9	124	STOR2	STORAGE	---	TYPE B	INTERIOR WALL
10	104	WORKSTATIONS	---	OFFICES	TYPE A	INTERIOR WALL
11	104	WORKSTATIONS	NO ENTRY	---	TYPE C	EXTERIOR WALL
12	122	CONFERENCE	NO ENTRY	---	TYPE C	EXTERIOR WALL
13	120	CORRIDOR	NO ENTRY	---	TYPE C	EXTERIOR WALL
14	127	MECH	MECHANICAL	---	TYPE C	EXTERIOR WALL
15	201	MEZZANINE	MAXIMUM CAPACITY - ##		TYPE C	INTERIOR WALL

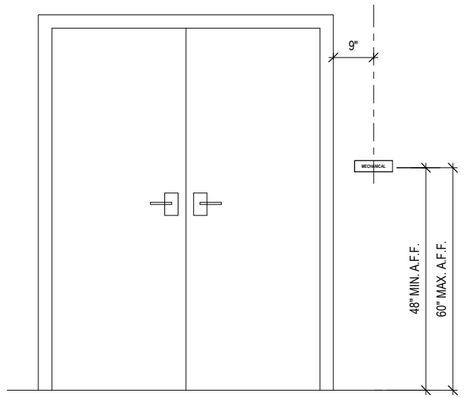
SIGNAGE NOTES

1. SIGNAGE SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ADA/ABA GUIDELINES.
2. REFER TO FINISH SPECIFICATION SECTIONS FOR THE BASIS OF DESIGN EQUIVALENT MANUFACTURER'S TECHNICAL REQUIREMENTS.
3. REFER TO THE INTERIOR FINISH LEGEND ON SHEET I-601 FOR SIGNAGE FINISHES.
4. REFER TO SHEET I-602 FOR SIGNAGE MOUNTING TYPICAL AND DETAILS.
5. REFER TO SHEET I-103 FOR SIGNAGE LOCATION PLAN.
6. CONFIRM / COORDINATE COPY TEXT WITH USER BEFORE PURCHASING SIGNAGE.

SIGN TYPE MOUNTING TYPICAL

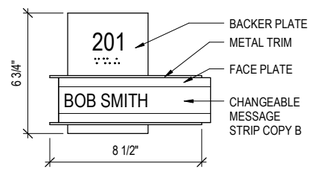


ADA-ABA SIGN INSTALLATION HEIGHT AND LOCATION



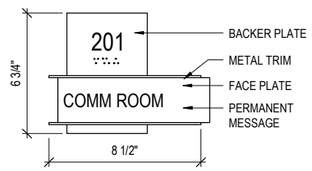
ADA-ABA SIGN INSTALLATION HEIGHT AND LOCATION. IF ONE DOOR IS INACTIVE SIGN MAY BE CENTERED ON INACTIVE DOOR. IF BOTH DOORS ARE ACTIVE, SIGN SHALL HANG TO THE RIGHT OF THE DOORS.

SIGN TYPES - BASIS OF DESIGN: TAKEFORM FUSION 51



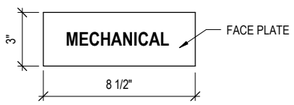
SIGN TYPE "A"

USE FOR ALL OFFICES AND ROOMS NOT SPECIFICALLY LISTED AS TYPES B & C. SIGNS WILL HAVE ROOM NUMBERS, BRAILLE, AND ONE CHANGEABLE MESSAGE SLOT. SEE SIGN TYPE MOUNTING TYPICAL FOR MOUNTING REQUIREMENTS.



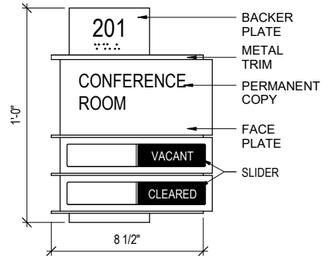
SIGN TYPE "B"

USE FOR ALL OFFICES AND ROOMS NOT SPECIFICALLY LISTED AS TYPES A & C. SIGNS WILL HAVE ROOM NUMBERS, BRAILLE, AND ONE PERMANENT MESSAGE. SEE SIGN TYPE MOUNTING TYPICAL FOR MOUNTING REQUIREMENTS.



SIGN TYPE "C"

PROVIDE EXTERIOR GRADE SIGN FOR EXTERIOR LOCATIONS NOTED ON SCHEDULE. SEE SIGN TYPE MOUNTING TYPICAL FOR MOUNTING REQUIREMENTS.



SIGN TYPE "D"

CONFERENCE ROOM SIGN WILL HAVE ROOM NUMBERS, BRAILLE, A VACANT / IN-USE SLIDER AND A CLEARED / UNCLEAR SLIDER. SEE SIGN TYPE MOUNTING TYPICAL FOR MOUNTING REQUIREMENTS.

0 2" 4" 8"

SCALE: 3" = 1'-0"

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: K. McMURRAY; PROJ. ENGR.: J. SAWYER	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: SIGNAGE SCHEDULE, NOTES, AND DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MARCH 2024
INDEX NO.: I-602	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06; DRAWING NO.; FILE NO. — SHEET OF

CODE ANALYSIS SUMMARY

DESIGN CRITERIA AND REFERENCES

THE FOLLOWING IS A LIST OF THE FIRE PROTECTION AND LIFE SAFETY RELATED CODES, STANDARDS, AND CRITERIA APPLICABLE TO THIS PROJECT:

1. UNIFIED FACILITIES CRITERIA (UFC) 1-200-01 DOD BUILDING CODE (GENERAL BUILDING REQUIREMENTS), 01 SEPTEMBER 2022, CHANGE 2, (12 JUNE 2023)
2. UNIFIED FACILITIES CRITERIA (UFC) 3-600-01, DESIGN: FIRE PROTECTION ENGINEERING FOR FACILITIES, 8 AUGUST 2016, CHANGE 6 (06 MAY 2021)
3. UNIFIED FACILITIES CRITERIA (UFC) 4-010-01, DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS, 12 DECEMBER 2018, CHANGE 2 (30 JULY 2022)
4. UNIFIED FACILITIES CRITERIA (UFC) 4-021-01, DESIGN AND O&M: MASS NOTIFICATION SYSTEMS, 9 APRIL 2008, CHANGE 1 (JANUARY 2010), AS MODIFIED BY ECB 2018-17
5. INTERNATIONAL BUILDING CODE® (IBC), 2021, FOR CONSTRUCTION TYPE AND FIRE RESISTANCE RATING, OCCUPANCY SEPARATION, ALLOWABLE FLOOR AREA, BUILDING HEIGHT LIMITATIONS AND BUILDING SEPARATION DISTANCE REQUIREMENTS, EXCEPT AS MODIFIED BY UFC 3-600-01
6. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 1, FIRE CODE, 2021
7. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2022
8. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2022
9. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 24, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, 2022
10. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70, NATIONAL ELECTRICAL CODE®, 2020
11. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 72, NATIONAL FIRE ALARM AND SIGNALING CODE®, 2022
12. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS, 2021
13. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101, LIFE SAFETY CODE®, 2021, FOR SEPARATION FROM HAZARDS, BUILDING EGRESS AND LIFE SAFETY AND APPLICABLE CRITERIA IN UFC 3-600-01
14. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 291, RECOMMENDED PRACTICE FOR WATER FLOW TESTING AND MARKING OF HYDRANTS, 2022 EDITION
15. ADA AND ABA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (FEDERAL REGISTER JULY 23, 2004) REPLACES UFAS AND ADAAG CRITERIA. [AMERICANS WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL BARRIERS ACT (ABA)
16. EGLIN ENGINEERING DESIGN MANUAL, FEBRUARY 2019

BUILDING CODE ANALYSIS SUMMARY

a. CONSTRUCTION TYPE – (IBC TABLE 601):TYPE IIB

b. IBC OCCUPANCY TYPE: ASSEMBLY, GROUP A-3 AND BUSINESS, GROUP B (IBC SECTION 303 & SECTION 304)

c. MIXED USE AND OCCUPANCY (IBC 508.3): NONSEPARATED. NOTE, THE ALLOWABLE BUILDING AREA, HEIGHT AND NUMBER OF STORIES OF THE BUILDING OR PORTION THEREOF SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS UNDER CONSIDERATION FOR THE TYPE OF CONSTRUCTION OF THE BUILDING IN ACCORDANCE WITH IBC SECTION 503.1

d. ALLOWABLE HEIGHT – (IBC TABLES 504.3 AND 504.4, SPRINKLERED PER NFPA 13):
ALLOWABLE: 75 FEET (3 STORIES)
PROVIDED: 33 FEET (1 STORY)

E. ALLOWABLE FLOOR AREA – (IBC TABLE 506.2, SPRINKLERED):
ALLOWABLE AREA: 45,125 SF (PER FLOOR)
PROVIDED AREA: 11,500 SF
ALLOWABLE AREA, $A_A = A_T + (NS \times I_F)$ (IBC EQUATION 5-1 PER IBC 508.3.2)
ASSEMBLY A_T = 38,000 SF. (TABLE 506.2, OCC. A-3, CONSTRUCTION TYPE IIB)
ASSEMBLY NS = 9,500 SF. (TABLE 506.2, OCC. A-3, CONSTRUCTION TYPE IIB)
FRONTAGE INCREASE FACTOR I_F = 0.75 (TABLE 506.3.3) (30FT OPEN SPACE AROUND ENTIRE BUILDING.)

F. OCCUPANCY SEPARATION: NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES. (IBC 508.3.3)

G. FIRE RESISTANCE REQUIREMENTS (IBC TABLES 601)
- EXTERIOR BEARING WALLS:
- REQUIRED: NONE (> 30 FT. SEPARATION)
- PROVIDED: NONE
- INTERIOR BEARING WALLS:
- REQUIRED: NONE
- PROVIDED: NONE
- STRUCTURAL FRAME:
- REQUIRED: NONE
- PROVIDED: NONE
- FLOORS AND FLOOR/CEILINGS:
- REQUIRED: NONE
- PROVIDED: NONE
- ROOF AND ROOF/CEILING:
- REQUIRED: NONE
- PROVIDED: NONE
- SHAFTS:
- REQUIRED: 1-HOUR FIRE RESISTANCE RATING
- PROVIDED: NO SHAFTS PROVIDED (SINGLE STORY)

LIFE SAFETY CODE ANALYSIS SUMMARY

A. NFPA 101 OCCUPANCY CLASSIFICATION: ASSEMBLY AND BUSINESS (NFPA 101 CHAPTER 12 AND 38)
NOTE, CONFERENCE AND BREAKOUT ROOMS ARE CONSIDERED ASSEMBLY OCCUPANCY SINCE THEY ARE USED FOR A GATHERING OF 50 OR MORE PERSONS.

B. MULTIPLE OCCUPANCY TYPE: MIXED OCCUPANCIES. NOTE, THE BUILDING SHALL COMPLY WITH THE MOST RESTRICTIVE REQUIREMENTS OF THE OCCUPANCIES INVOLVED, UNLESS SEPARATE SAFEGUARDS ARE APPROVED.

C. HAZARD OF CONTENTS CLASSIFICATION (NFPA 101 6.2.2): ORDINARY HAZARD CONTENTS

D. CONSTRUCTION TYPE: TYPE II (000)

E. OCCUPANT LOAD: THE CALCULATED OCCUPANT LOADS ARE SHOWN ON THE LIFE SAFETY PLANS AND ARE BASED ON THE OCCUPANT LOAD FACTORS FROM NFPA 101 TABLE 7.3.1.2 AND UFC 3-600-01 TABLE 10-1. THE OCCUPANT LOAD FACTORS USED ARE SHOWN BELOW:
- CONFERENCE ROOMS WITH TABLES AND CHAIRS 15SF/PERSON NET
- MECHANICAL, ELECTRICAL, OTHER BUILDING EQUIPMENT SPACES 500SF/PERSON GROSS
- STORAGE USE 500SF/PERSON GROSS
- BUSINESS USE (OFFICES) 150SF/PERSON GROSS
- CONCENTRATED BUSINESS USE (ANALYSIS ROOMS) 50SF/PERSON GROSS
- COLLABORATION ROOMS/SPACES >450 FT^2 IN AREA 15SF/PERSON GROSS

F. MEANS OF EGRESS REQUIREMENTS (NFPA 101 12.2/38.2)
- CAPACITY OF MEANS OF EGRESS (NFPA 101 TABLE 7.3.3.1):
0.3 INCHES/PERSON FOR STAIRS
0.2 INCHES/PERSON FOR LEVEL COMPONENTS
- CORRIDOR WIDTH (NFPA 101 12.2.3.8):
- REQUIRED: 44 INCHES (MINIMUM WHEN SERVING 50 OR MORE PERSONS)
- PROVIDED: 44 INCHES
- NUMBER OF MEANS OF EGRESS (NFPA 101 12.2.4/7.4):
- BUILDING EXITS REQUIRED: 2 EXITS
- BUILDING EXITS PROVIDED: 5 EXITS
- COMMON PATH OF TRAVEL (NFPA 101 12.2.5.2)
- REQUIRED: 20FT MAX WHEN > 50 PEOPLE & 75FT MAX WHEN < 50 PEOPLE.
- PROVIDED: LESS THAN 20FT
- DEAD-END CORRIDORS (NFPA 101 12.2.5.3)
- REQUIRED: 20FT MAX
- PROVIDED: LESS THAN 20FT
- TRAVEL DISTANCE TO EXITS (NFPA 101 12.2.6)
  - REQUIRED: 250FT MAX (SPRINKLERED)
  - PROVIDED: LESS THAN 250FT
- ILLUMINATION OF MEANS OF EGRESS: MEANS OF EGRESS SHALL COMPLY WITH NFPA 101 12.2.8/7.8. SEE ELECTRICAL DESIGN DRAWINGS.
- EMERGENCY LIGHTING: ALL MEANS OF EGRESS, INCLUDING EXIT ACCESS CORRIDORS AND EXIT DISCHARGE, WILL BE PROVIDED WITH EMERGENCY LIGHTING VIA BATTERY BACKUP. EMERGENCY LIGHTING WILL ALSO BE PROVIDED IN THE MECHANICAL ROOMS VIA BATTERY BACKUP. EMERGENCY LIGHTING WILL BE PROVIDED FOR A MINIMUM OF 1½ HOURS IN THE EVENT OF INTERNAL POWER FAILURE. EMERGENCY LIGHTING SHALL BE IN ACCORDANCE WITH NFPA 101 7.9.
- MARKING OF MEANS OF EGRESS: EXIT SIGNS SHALL BE LED TYPE WITH BATTERY BACKUP AND SHALL BE PROVIDED AT ALL NEW EXITS. EXIT SIGNS SHALL ALSO BE PROVIDED WHEREVER THE LOCATION OF THE EXIT IS NOT READILY APPARENT. EXIT SIGN ILLUMINATION SHALL BE PROVIDED FOR A MINIMUM OF 1½ HOURS IN THE EVENT OF INTERNAL POWER FAILURE. ALL MARKING OF EXITS WILL BE IN ACCORDANCE WITH NFPA 101 7.10. EXIT SIGNS SHALL BE PROVIDED WITH RED LETTERING.

G. PROTECTION (NFPA 101 12.3):
- PROTECTION OF VERTICAL OPENINGS: NOT APPLICABLE IN NEW ADDITION (SINGLE STORY).
- MEZZANINE REQUIREMENTS (NFPA 101 8.6.10):
- ALLOWABLE MEZZANINE AREA: 425SF (ONE-THIRD OF THE AREA BELOW SINCE MEZZANINE IS NOT OPEN)
- PROVIDED MEZZANINE AREA: LESS THAN 425 SF
- MEZZANINE OPENNESS: ENCLOSED MEZZANINE IS PERMITTED (LESS THAN 10 PEOPLE OCCUPANT LOAD)
- PROTECTION FROM HAZARDS (NFPA 101 12 .3.2):
MECHANICAL AND STORAGE ROOMS:
  - REQUIRED: 1-HOUR FIRE BARRIER OR AUTOMATIC SPRINKLER SYSTEM WITH SMOKE PARTITION
  - PROVIDED: AUTOMATIC SPRINKLER SYSTEM WITH SMOKE PARTITION
- INTERIOR FINISH (NFPA 101 12 .3.3):
INTERIOR FINISH SHALL COMPLY WITH NFPA 101 AS FOLLOWS:
  - EXIT ENCLOSURES: CLASS A OR B
  - EXIT ACCESS CORRIDORS: CLASS A OR B
  - ROOMS AND ENCLOSED SPACES: CLASS A, B, OR C
  - FLOOR FINISH: CLASS I OR II
- CORRIDORS (NPFA 12.3.6):CORRIDOR AND LOBBY PROTECTION SHALL NOT BE REQUIRED IN BUILDINGS PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM

H. FIRE AND/OR SMOKE DAMPERS (NFPA 101)
- FIRE DAMPERS: NOT APPLICABLE. NO FIRE RESISTANCE RATED WALL ASSEMBLIES.
- SMOKE DAMPERS: SMOKE DAMPERS SHALL BE PROVIDED IN AIR-TRANSFER OPENINGS IN SMOKE PARTITIONS PER NFPA 101 8.4.6.
- CEILING RADIATION DAMPERS: NOT APPLICABLE. NO FIRE RESISTANCE RATED WALL/CEILING ASSEMBLIES.

WATER SUPPLY (UFC 3-600-01)

a. FIRE SPRINKLER WATER SUPPLY/FIRE WATER DEMAND: THE EXISTING FACILITY IS PROVIDED WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM. THERE IS AN EXISTING 6 PVC FIRE SERVICE LATERAL THAT ENTERS THE BUILDING IN THE MECHANICAL ROOM ON THE NORTH EAST CORNER. THERE IS AN EXISTING EXTERIOR BACKFLOW PREVENTER IN AN INSULATED ENCLOSURE ON THE NORTH EAST CORNER OF THE BUILDING. NOTE: UFC 3-600-01 REQUIRES BFPS LOCATED OUTDOORS TO BE INSIDE HEATED ENCLOSURES AND TO BE PROVIDED WITH A LOW TEMPERATURE SENSOR WHICH PROVIDES A LOW TEMPERATURE SUPERVISORY ALARM AT THE FACU. THE EXISTING INSULATED BFP ENCLOSURE IS NOT HEATED AND IS NOT MONITORED BY THE FIRE ALARM SYSTEM FOR LOW TEMPERATURE. THE EXISTING FIRE SERVICE LATERAL AND BFP/ENCLOSURE ARE EXISTING TO REMAIN AND ARE NOT BEING MODIFIED AS PART OF THIS PROJECT. IT IS ANTICIPATED THAT THERE WILL BE NO INCREASE TO THE EXISTING FIRE SPRINKLER DEMAND. THE HYDRAULIC DATA PLATE ON THE EXISTING RISER INDICATES THAT THE DEMAND AT THE BASE OF THE RISER IS 393.9GPM AT 54.2 PSI (WITHOUT HOSE STREAM). THE PRELIMINARY ESTIMATED DEMAND FOR THE NEW ADDITION AT THE SOURCE IS 279GPM AT 47 PSI WITHOUT HOSE STREAM. WITH HOSE STREAM ADDED, THE TOTAL ESTIMATED DEMAND AT THE SOURCE IS 529GPM AT 47 PSI. THE PRELIMINARY HYDRAULIC ANALYSIS SHOWS THAT THERE IS A 10 PSI SAFETY MARGIN AT THE FIRE WATER DEMAND POINT. NOTE, FIRE HYDRANT FLOW TEST DATA USED IN THE HYDRAULIC ANALYSIS IN THE 35% SUBMITTAL IS MORE THAN 6 MONTHS OLD. THE FIRE HYDRANT FLOW TEST DATA WILL BE UPDATED WITH CURRENT FLOW TEST DATA BEFORE 65% SUBMITTAL

b. FIRE FLOW: THE CALCULATED FIRE FLOW PER NFPA 1 AND UFC 3-600-01 IS 1,375 GPM FOR 2 HOURS. PREVIOUS HYDRANT FLOW TEST INDICATE THE EXPECTED AVAILABLE WATER FLOW AT 20PSI IS 2700GPM.

c. FIRE HYDRANT LOCATIONS: THE EXISTING FIRE HYDRANT LOCATIONS COMPLY WITH UFC 3-600-01 AND NFPA 1. ALL PARTS OF THE FACILITY EXTERIOR ARE LOCATED WITHIN 350FT OF A HYDRANT. THERE IS A HYDRANT LOCATED WITHIN 150FEET OF THE EXISTING FDC. A SECOND HYDRANT IS LOCATED WITHIN 1,000FEET OF THE FACILITY. THE FIRE HYDRANTS ARE EXISTING TO REMAIN AND ARE NOT BE MODIFIED AS PART OF THIS PROJECT.

AUTOMATIC SPRINKLER SYSTEMS

a. THE EXISTING BUILDING IS EQUIPPED WITH A FULLY OPERATIONAL AUTOMATIC WET PIPE SPRINKLER SYSTEM. THE SPRINKLER SYSTEM SERVING THE AREA TO BE RENOVATED WILL BE MODIFIED AS REQUIRED TO PROVIDE COVERAGE FOR THE NEW ROOM LAYOUT. THE NEW ADDITION WILL BE PROVIDED WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH UFC 3-600-01 AND NFPA 13 AND EGLIN BASE STANDARDS. THE NEW SYSTEM WILL BE SUPPLIED FROM THE EXISTING WET PIPE SPRINKLER SYSTEM.

b. AREAS CLASSIFIED AS LIGHT HAZARD SHALL BE HYDRAULICALLY DESIGNED TO DISCHARGE A MINIMUM OF 0.1 GPM/SQUARE FOOT OVER THE HYDRAULICALLY MOST DEMANDING 1,500 SQUARE FEET OF FLOOR AREA. THE HYDRAULIC CALCULATIONS SHALL INCLUDE A HOSE STREAM OF 250GPM. SPRINKLERS PROTECTING LIGHT HAZARD CLASSIFICATIONS SHALL BE QUICK-RESPONSE TYPE WITH AN ORDINARY TEMPERATURE RATING AND HAVE A MINIMUM K-FACTOR OF 5.6. THE MAXIMUM PROTECTION AREA PER SPRINKLER SHALL BE 225 SQFT WITH A MAXIMUM LINEAR SPACING OF 15FT.

c. AREAS CLASSIFIED AS ORDINARY HAZARD SHALL BE HYDRAULICALLY DESIGNED TO DISCHARGE A MINIMUM OF 0.2 GPM/SQUARE FOOT OVER THE HYDRAULICALLY MOST DEMANDING 2,500 SQUARE FEET OF FLOOR AREA. THE HYDRAULIC CALCULATIONS SHALL INCLUDE A HOSE STREAM OF 250GPM. SPRINKLERS PROTECTING ORDINARY HAZARD CLASSIFICATIONS SHALL BE QUICK-RESPONSE TYPE WITH AN ORDINARY TEMPERATURE RATING AND HAVE A MINIMUM K-FACTOR OF 8.0. THE MAXIMUM PROTECTION AREA PER SPRINKLER SHALL BE 130 SQFT WITH A MAXIMUM LINEAR SPACING OF 15FT.

d. THE UFC 3-600-01 HAZARD CLASSIFICATION FOR EACH SPACE ARE SHOWN ON THE FIRE SPRINKLER DRAWINGS.

e. FIRE DEPARTMENT CONNECTION: THERE IS AN EXISTING FIRE DEPARTMENT CONNECTION LOCATED ON THE NORTH EAST CORNER OF THE BUILDING ON THE EXTERIOR OF THE MECHANICAL ROOM. THIS FIRE DEPARTMENT CONNECTION IS EXISTING TO REMAIN AND IS NOT BEING MODIFIED AS PART OF THIS PROJECT.

f. POST INDICATOR VALVES (PIV): THERE IS AN EXISTING EXTERIOR PIV LOCATED UPSTREAM OF THE BFP ON THE FIRE WATER SERVICE LATERAL. THE LOCATION OF THE PIV COMPLIES WITH NFPA 24. THE PIV IS EXISTING TO REMAIN AND IS NOT BEING MODIFIED AS PART OF THIS PROJECT.

STANDPIPE

NOT APPLICABLE. THE BUILDING IS SINGLE STORY.

STANDPIPE SYSTEMS ARE NOT REQUIRED FOR ANY OF THE BUILDINGS PER UFC 3-600-01 SECTION 9-10.2.2, DUE TO THE BUILDINGS BEING LESS THAN 4 STORIES AND ALL AREAS OF THE BUILDINGS BEING WITHIN 450 FEET OF AN EXTERIOR DOOR.

PORTABLE FIRE EXTINGUISHERS

IN ACCORDANCE WITH UFC 3-600-01 SECTION 9-17.1, GENERAL PURPOSE PORTABLE FIRE EXTINGUISHERS MUST BE PROVIDED WHERE REQUIRED BY NFPA 101. FOR EVERY BUSINESS OCCUPANCY, PORTABLE FIRE EXTINGUISHERS ARE REQUIRED PER NFPA 101 SECTION 38.3.5. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 10.

FIRE DETECTION

PHOTOELECTRIC DUCT DETECTORS WILL BE PROVIDED IN THE SUPPLY SIDE OF AIR HANDLING UNITS GREATER THAN 2,000 CFM.
SPOT-TYPE SMOKE DETECTORS SHALL BE PROVIDED ABOVE ALL CONTROL UNITS AND NAC EXTENDER PANELS.

FIRE ALARM AND MASS NOTIFICATION SYSTEM

THE EXISTING COMBINATION FIRE ALARM AND MASS NOTIFICATION SYSTEM WILL BE MODIFIED AS REQUIRED TO PROVIDE COVERAGE OF THE RENOVATED AREAS AND PROVIDE COVERAGE THROUGHOUT THE NEW ADDITION. THE MODIFIED SYSTEM AND ALL WORK SHALL BE IN COMPLIANCE WITH UFC 3-600-01, NFPA 72 AND UFC 4-021-01 AND EGLIN STANDARDS. THE EXISTING MAIN FIRE ALARM AND MASS NOTIFICATION CONTROL UNIT (FMCU) IS LOCATED IN THE MECHANICAL/FIRE RISER ROOM. INITIATING DEVICES WILL CONSIST OF SPOT-TYPE SMOKE DETECTION (ABOVE ALL NEW CONTROL UNITS AND NAC EXTENDER PANELS), MANUAL PULL STATIONS AT EACH NEW EXIT, AND DUCT SMOKE DETECTORS. A NEW MNS/FIRE ALARM PANEL SHALL BE PROVIDED INSIDE THE NEW ADDITION AND SHALL HAVE AN OPTICAL FIBER BACKBONE TO THE BUILDING MAIN FMCU. THE ALL SLC, IDC, AND NAC WIRING SHALL BE CLASS A IN ACCORDANCE WITH NFPA 70, NFPA 72, AND THE EGLIN CRITERIA. COMBINATION SPEAKERS AND SPEAKER/STROBES WILL BE PROVIDED IN ACCORDANCE WITH NFPA 72. ALL NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM VISIBLE NOTIFICATION APPLIANCES WILL UTILIZE THE SAME CLEAR-LENS STROBES, LABELED “ALERT”, FOR OCCUPANT NOTIFICATION. THE EXISTING AMBER LENS FOR MNS AND CLEAR FOR FIRE VISIBLE NOTIFICATION APPLIANCES THROUGHOUT THE BUILDING SHALL BE CHANGED TO A SINGLE CLEAR LENS MARKED “ALERT”.

SMOKE MANAGEMENT AND CONTROL METHODS.

NOT APPLICABLE. NO SMOKE CONTROL SYSTEMS ARE USED IN THIS DESIGN.

FIRE ALARM REPORTING SYSTEM

ALL ALARM, TROUBLE, AND SUPERVISORY SIGNALS ARE CURRENTLY TRANSMITTED TO THE BASE FIRE DEPARTMENT VIA THE EXISTING MONACO BT XF RADIO TRANSCEIVER. THE EXISTING FIRE ALARM TRANSCEIVER SHALL REMAIN AND BE REUSED.

FIRE ALARM REPORTING SYSTEM

ALL ALARM, TROUBLE, AND SUPERVISORY SIGNALS ARE CURRENTLY TRANSMITTED TO THE BASE FIRE DEPARTMENT VIA THE EXISTING MONACO BT XF RADIO TRANSCEIVER. THE EXISTING FIRE ALARM TRANSCEIVER SHALL REMAIN AND BE REUSED.

SECURITY AND ANTITERRORISM REQUIREMENTS

THE EXISTING FACILITY IS PROVIDED WITH A MASS NOTIFICATION SYSTEM. THE NEW ADDITION WILL BE PROVIDED WITH A MASS NOTIFICATION SYSTEM THAT IS INTEGRATED WITH THE EXISTING SYSTEM.

THE NEW ADDITION SHALL COMPLY WITH ICD 705 AND UFC 4-010-05.
- ALL SPRINKLER PIPING PENETRATING SECURE WALLS SHALL BE ELECTRICALLY GROUNDED ON THE SECURE SIDE OF THE WALL IN LIEU OF NON-CONDUCTIVE SECTIONS (DIELECTRIC). LOCATIONS OF SECURE BOUNDARIES ARE SHOWN ON FIRE SPRINKLER PLANS.
- PROVIDE NON-CONDUCTIVE SECTIONS (DIELECTRIC) IN FIRE ALARM CONDUIT ON BOTH SIDES OF SECURE WALLS.
- PROVIDE A MNS/FIRE ALARM SUBPANEL WITHIN THE PERIMETER WITH OPTICAL FIBER BACKBONE TO THE BUILDING SYSTEM OR CONVERT THE ELECTRICAL SIGNAL TO AN OPTICAL SIGNAL BEFORE PENETRATION OF THE PERIMETER. PROVIDE OPTICAL FIBER WITH NO METALLIC SHIELDING, CLADDING, OR STRENGTH MEMBERS.

FIRE DEPARTMENT ACCESS.

FIRE DEPARTMENT ACCESS IS EXISTING TO REMAIN AND NOT BEING MODIFIED AS PART OF THIS PROJECT. EXISTING FIRE LANE IS LOCATED ON THE EAST SIDE OF BUILDING AND IS WITHIN 33FT OF AN EXTERIOR DOOR.

CFPE APPROVED EQUIVALENCIES

NOT APPLICABLE. NO EQUIVALENCIES ARE USED IN THIS DESIGN.

HOST NATION CRITERIA

NOT APPLICABLE.

PERFORMANCE VERIFICATION AND TESTING PLAN

VERIFICATION OF COMPLIANT INSTALLATION SHALL BE PERFORMED BY THE CONTRACTOR’S QFPE AS REQUIRED IN DIVISION 21 AND 28. ALL TESTING OF FIRE PROTECTION SYSTEMS SHALL COMPLY WITH THE APPLICABLE CODE/STANDARD AND CONTRACT DRAWINGS AND SPECIFICATIONS.

PETERSON ENGINEERING INC.
PROF. ENG. #3600
75 SOUTH F ST.
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(850) 434-0513
PEI JOB #23083

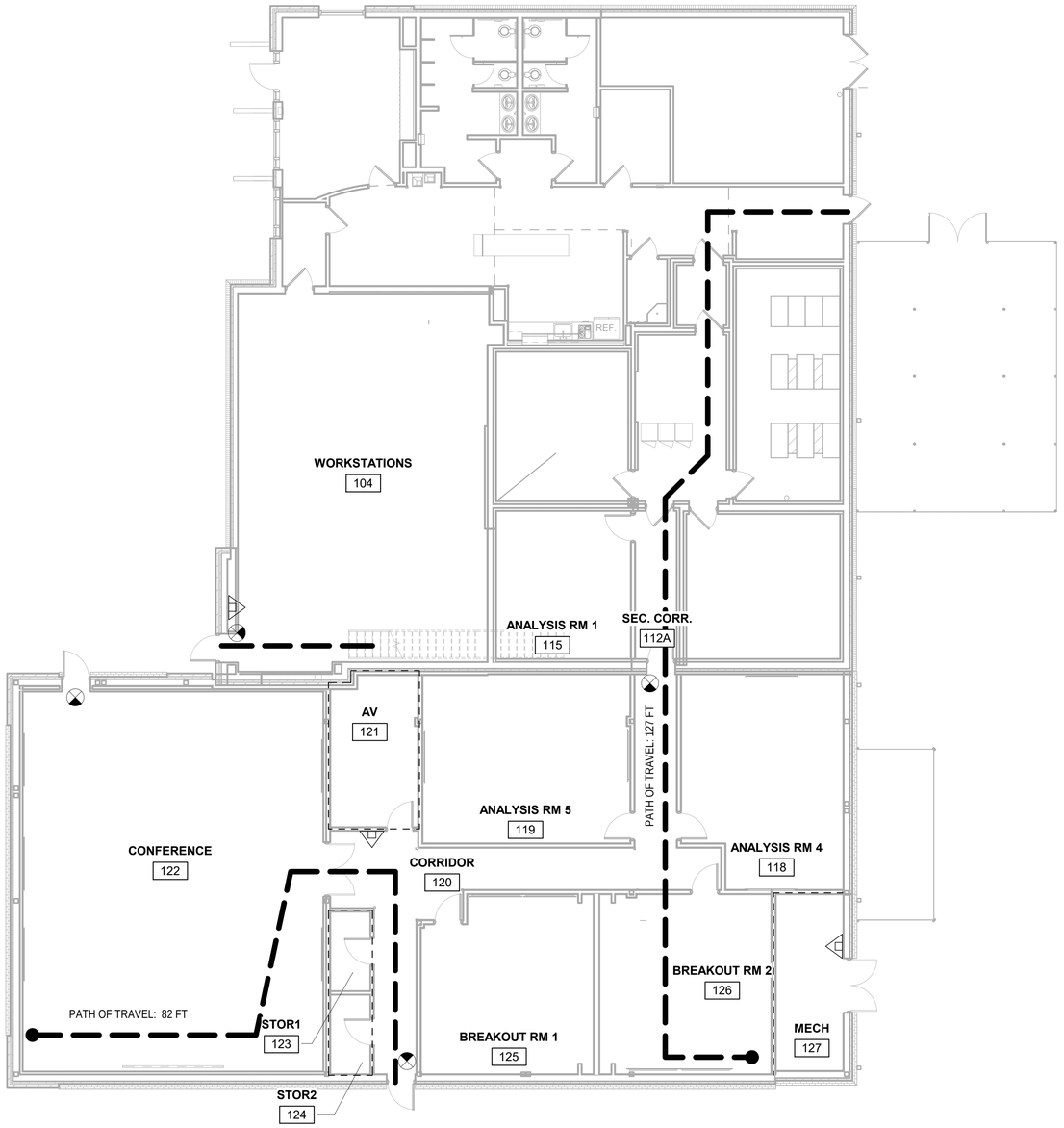
65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

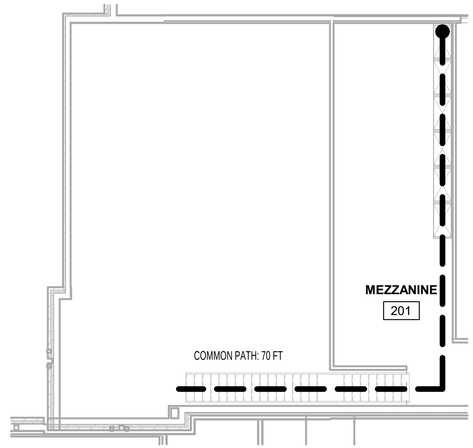
DATE / SIGNATURE	DRAWN BY: F. KIMMIG; PROJ. ENGR.: F. KIMMIG	TITLE: ADDITION AND RENOVATION B521
	APPROVED: FIRE PREVENTION	
	APPROVED: SAFETY REPRESENTATIVE	
	APPROVED: DIR. BASE MED. SERVICE	
APPROVED: SECURITY FORCES	APPROVED: USING AGENCY	CONTENTS: CODE COMPLIANCE SUMMARY
APPROVED: ASUS	APPROVED: COMMUNICATIONS	
APPROVED: CHELCO	APPROVED: OPERATIONS ENGINEERING	APPROVED: 96CEG/CEN — DATE: 13 MAR 2024
INDEX NO.: F001	APPROVED: ENVIRONMENTAL	APPROVED: DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN
SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06	DRAWING NO.: — FILE NO.: — SHEET: OF

LIFE SAFETY LEGEND

- EXIT SIGN - EXISTING TO REMAIN
- EXIT SIGN - NEW
- PORTABLE FIRE EXTINGUISHER 3-A:40-B:C
- EGRESS PATH (COMMON PATH, TRAVEL DISTANCE, DEAD END)
- SMOKE PARTITION



1 F101 LIFE SAFETY PLAN
1/8" = 1'-0"



2 F101 MEZZANINE LIFE SAFETY PLAN
1/8" = 1'-0"

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

65% DESIGN SUBMITTAL

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BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY D. KULT	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. F. KIMMIG		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	LIFE SAFETY PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MAR 2024
INDEX NO. F101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

FIRE ALARM LEGEND

FMCU	FIRE ALARM/MASS NOTIFICATION PANEL
TR	TRANSCEIVER
F	MANUAL PULL STATION
	SPEAKER/STROBE - WALL MOUNT
C	SPEAKER/STROBE - CEILING MOUNT
S	SPEAKER - WALL MOUNT
S	DUCT DETECTOR
AOM	ADDRESSABLE OUTPUT MODULE
WP	WEATHERPROOF DEVICE SUBSCRIPT

FIRE ALARM GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE WORKING FIRE ALARM AND MASS NOTIFCATION SYSTEM IN THE AREA INDICATED AND INTEGRATE THE NEW COMPONENTS INTO THE EXISTING FIRE ALARM MASS NOTIFCAITON SYSTEM. ALL WORK SHALL COMPLY WITH NFPA 72, UFC 3-600-1, UFC 4-021-01, THE SPECIFICATIONS, EGLIN CRITERIA, AND THE AUTHORITY HAVING JURISDICTION.
2. THE CONTRACTOR SHALL RETAIN A REGISTERED FIRE PROTECTION ENGINEER (AS DEFINED BY UFC 3-600-01) TO BE THE QUALIFIED FIRE PROTECTION ENGINEER (QFPE) FOR THE CONSTRUCTION PROJECT. THE QFPE MUST AFFIX THEIR PROFESSIONAL ENGINEERING STAMP WITH SIGNATURE TO THE SHOP DRAWINGS, CALCULATIONS AND MATERIAL DATA SHEETS PRIOR TO SUBMITTING TO THE GOVERNMENT FOR REVIEW.
3. THE NEW FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH THE EGLIN CRITERIA. THIS CRITERIA CAN BE FOUND IN THE PROJECT SPECIFICATION APPENDIX.
4. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
5. CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENT IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
6. A SET OF QFPE STAMPED FIRE ALARM SHOP DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.
7. THE CONTRACTOR SHALL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMAN LIKE MANNER.
8. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
9. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FMCP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NEC.
10. ALL WIRING SHALL BE INSTALLED ACCORDING TO NFPA 70 (NEC).
11. FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC 760 SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
12. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
13. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
14. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
15. PRE-FINAL & FINAL FIRE ALARM TESTING SHALL BE COORDINATED WITH EGLIN AFB PERSONNEL.
16. INSTALL SMOKE DETECTION ABOVE ALL CONTROL PANELS TO INCLUDE NAC EXTENDER PANELS.
17. MONITORING MODULES FOR SINGLE SERVICE DUAL INPUT NOT PERMITTED.
18. ALL FIRE ALARM AND MNS CONDUCTORS SHALL BE SOLID COPPER AND SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT TO BE NEW AND PROVIDED WITH A FACTORY APPLIED RED FINISH.
19. ALL FIRE ALARM CIRCUITS SHALL BE TERMINATED ON TERMINAL STRIPS. WIRE NUTS ARE PROHIBITED. ALL SIGNALING LINE CIRCUITS (SLC) AND NOTIFICATION APPLIANCE CIRCUITS (NAC) ENTERING THE BUILDING AND AT THE FIRE ALARM UNIT SHALL BE PROVIDED WITH SUITABLE SURGE SUPPRESSORS (SEE SPECIFICATIONS)
20. ALL FIRE ALARM SYSTEMS SHALL BE WIRED CLASS-A.
21. ALL INTERIOR AND EXTERIOR WALLS, CEILINGS AND FLOORS THAT ARE DAMAGED OR ALTERED BY THE CONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CONTRACTING OFFICER.
22. ALL NEW FIRE ALARM DEVICES AND COMPONENTS SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
23. BEFORE TRANSCEIVER IS TO BE PROGRAMMED, MEGOHMMETER AND RESISTANCE TESTING PAPERWORK MUST BE RECEIVED BY CONTRACTING OFFICER.

FIRE ALARM SECURE AREA CONSTRUCTION NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR SECURE AREA BOUNDARY LOCATION OF SECURE WALLS AND ADDITIONAL SECURE AREA CONSTRUCTION NOTES.
2. ALL PENETRATIONS THROUGH SECURITY WALLS SHALL BE SEALED TO MAINTAIN STC RATING AND FIRE RATING AS APPLICABLE. PROVIDE LISTED FIRESTOPPING SYSTEMS IN FIRE RESISTANCE RATED WALLS.
3. CONDUITS PENETRATING SECURE AREA "B" SHALL HAVE NON-METALLIC SEPARATIONS. SEE DETAIL ON FA-501.
4. ALL BUILDING SYSTEMS, EQUIPMENT, UTILITIES, DUCTWORK, PIPING, CONDUITS AND PATHWAYS, CABLING AND DEVICES SHALL NOT BE INSTALLED WITHIN DESIGNATED SECURITY WALL ASSEMBLIES AND SHALL BE INSTALLED BELOW THE SECURITY CEILING/FLOOR ASSEMBLIES.
5. LIGHT GAGE STEEL FRAMING OF THE SECURITY CEILING/FLOOR AND CEILING/ROOF ASSEMBLIES SHALL NOT BE UTILIZED TO SUPPORT UTILITIES AND UTILITY SUPPORT ASSEMBLIES. ALL UTILITY AND SUPPORTS SHALL BE HUNG FROM THE BUILDING STRUCTURE.
6. CONDUIT AND DEVICES SHALL BE INSTALLED IN LOCATIONS SO AS TO PROVIDE SUFFICIENT CLEARANCE FOR SECURITY PERSONNEL TO ACCESS HVAC DUCTWORK INSPECTION PORTS.
7. PENETRATIONS THROUGH RF SHIELDING SHALL BE SEALED WITH RF FOIL ADHESIVE TAPE. RF FOIL TAPE SHALL BE WRAPPED AROUND CONDUIT/PIPE/UTILITY SUPPORT SYSTEMS AND LAPPED ONTO ADJACENT RF SHIELDING WITH 6 INCH OVERLAP TO MINIMIZE RF EMANATIONS. THE ANNULAR SPACE AROUND THE CONDUIT/PIPE/UTILITY SUPPORT SYSTEM SHALL BE COMPLETELY SEALED.

FIRE ALARM/MNS TESTING NOTES

1. THE ENTIRE EXISTING FIRE ALARM SYSTEM IN THE BUILDING SHALL BE TESTED BEFORE BEGINNING WORK TO IDENTIFY ANY EXISTING DEFICIENCIES. CONTRACTOR SHALL PROVIDE WRITTEN REPORT OF THE TEST TO THE CONTRACTING OFFICER LISTING ANY DEFICIENCIES FOUND. EXISTING DEFICIENCIES SHALL BE THE RESPONSIBILITY OF EGLIN AFB TO REPAIR. THE ENTIRE FIRE ALARM/MASS NOTIFICATION SYSTEM IN THE BUILDING SHALL BE TESTED AFTER NEW WORK IS COMPLETE TO DOCUMENT THERE HAVE BEEN NO CHANGES TO THE EXISTING FIRE ALARM SYSTEM FUNCTIONS THAT ARE TO REMAIN.
2. ALL PRE-GOVERNMENT AND FINAL ACCEPTANCE TESTING SHALL BE IN ACCORDANCE WITH NFPA 72 AND THE PROJECT SPECIFICATIONS.
3. BEFORE FINAL ACCEPTANCE CAN BE SCHEDULED CONTRACTOR SHALL SUBMIT ALL REMAINING PAPERWORK FOR REVIEW, INCLUDING NFPA 72 RECORD OF COMPLETION, NFPA 72 RECORD OF INSPECTION AND TESTING, AND A SET OF REDLINE DRAWINGS. SEE "VERIFICATION OF COMPLIANT INSTALLATION" REQUIREMENTS IN PROJECT FIRE ALARM SPECIFICATIONS FOR FULL REQUIREMENTS.
4. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER 30 DAYS BEFORE THE PRE-GOVERNMENT AND FINAL ACCEPTANCE FIRE ALARM TESTS ARE TO BE CONDUCTED. THE TESTS SHALL BE IN ACCORDANCE WITH THE APPROVED TESTS PROCEDURES IN THE PRESENCE OF THE CONTRACTING OFFICER. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND PERSONNEL REQUIRED FOR THE TESTS.

PETERSON ENGINEERING INC.
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(850) 434-0513
PEI JOB #23083

65% DESIGN SUBMITTAL

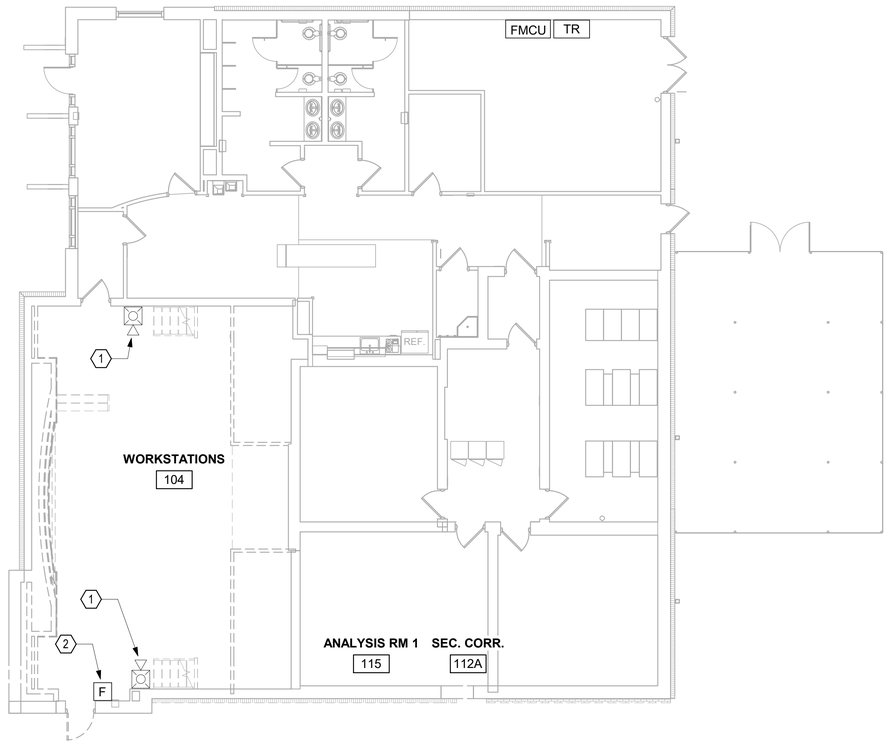
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY D. KULT
PROJ. ENGR F. KIMMIG
DATE
SIGNATURE
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED SECURITY FORCES
APPROVED USING AGENCY
APPROVED ASUS
APPROVED COMMUNICATIONS
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER

TITLE
ADDITION AND RENOVATION B521

CONTENTS
FIRE ALARM GENERAL NOTES

INDEX NO. FA001
SPEC. NO. 23AH
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
DATE 13 MAR 2024
SCALE AS SHOWN
SHEET OF



1 FA101 FIRE ALARM PLAN-DEMOLITION
1/8" = 1'-0"

SHEET NOTES

1. REMOVE EXISTING SPEAKER, CLEAR STROBE, AND AMBER STROBE.
2. REMOVE EXISTING PULL STATION.

DEMOLITION NOTES

1. DEMOLITION SHOWN INDICATES THE GENERAL EXTENT OF DEMOLITION WORK. THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE ALL EXISTING CONDITIONS. ALL FIRE ALARM CONDUIT AND CONDUCTORS IN PROJECT AREA OF WORK SHALL BE REMOVED AS REQUIRED TO ALLOW RECONFIGURATION OF THE SPACE.
2. THE EXISTING FIRE ALARM SYSTEM IN THE REMAINDER OF THE FACILITY SHALL REMAIN INTACT AND OPERATIONAL DURING EXTENT OF CONSTRUCTION.
3. ALL FIRE ALARM DEVICES THAT ARE REMOVED SHALL BE REMOVED FROM THE EXISTING FACU PROGRAMMING.

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

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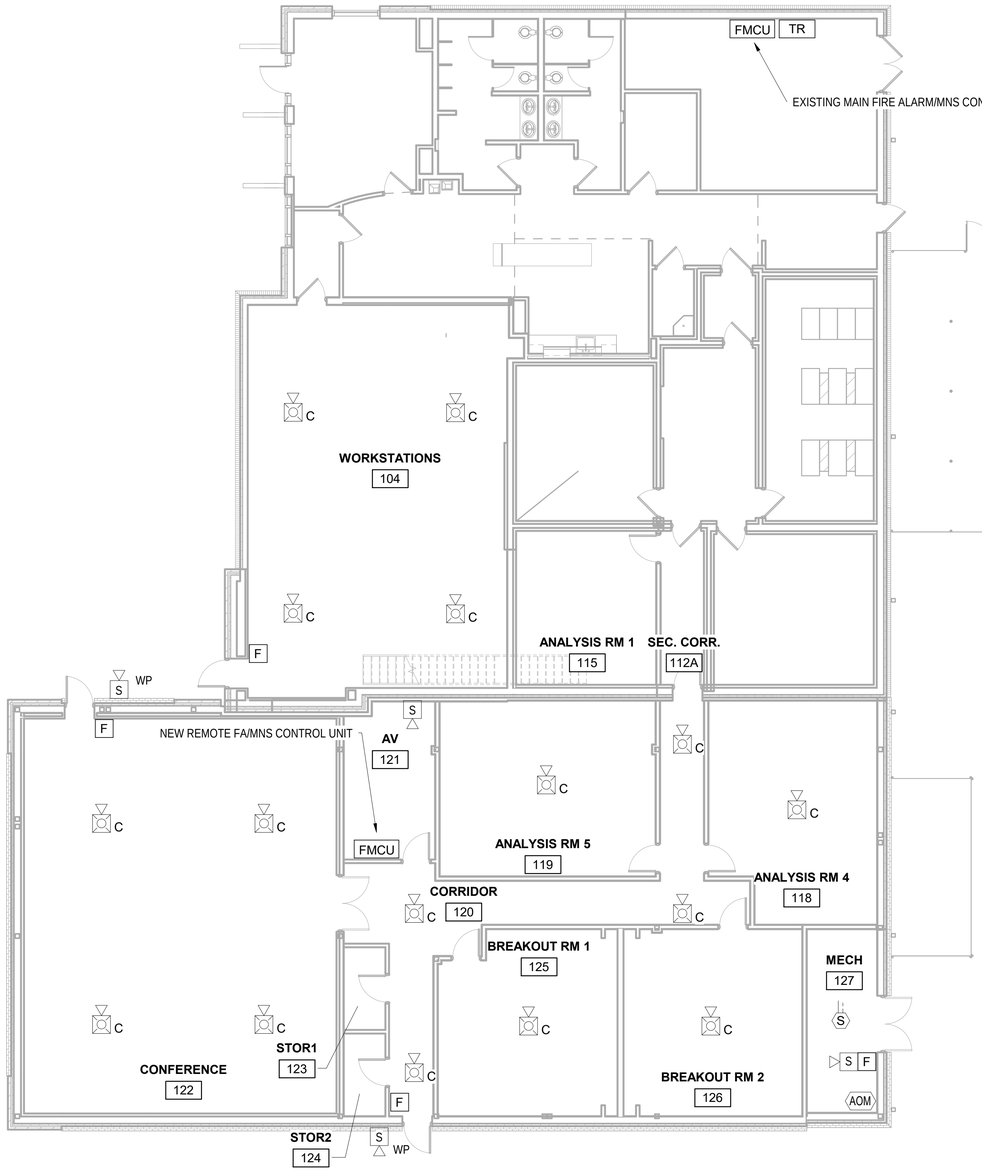
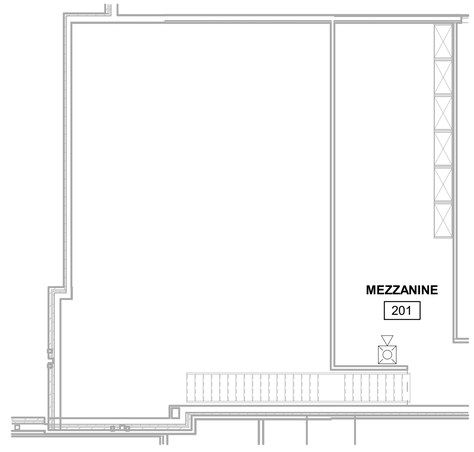
	APPROVED — FIRE PREVENTION	
	APPROVED — SAFETY REPRESENTATIVE	
	APPROVED — DIR. BASE MED. SERVICE	
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: FIRE ALARM PLAN-DEMOLITION
APPROVED — ASUS	APPROVED — COMMUNICATIONS	
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96CEG/CEN; DATE: 13 MAR 2024
INDEX NO.: FA101	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER; SCALE: AS SHOWN
SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06	DRAWING NO.; FILE NO.; SHEET OF



1 FA102 FIRE ALARM PLAN-NEW WORK
1/8" = 1'-0"



2 FA102 MEZZANINE FIRE ALARM PLAN-NEW WORK
1/8" = 1'-0"

FIRE ALARM NEW WORK NOTES

1. THE SYSTEM LAYOUT ON THE DRAWINGS IS DIAGRAMMATICAL AND SHOWS THE INTENT OF COVERAGE. FINAL QUANTITY, SYSTEM LAYOUT, AND COORDINATION ARE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. THE FIRE ALARM SYSTEM DESIGNER SHALL LAYOUT AUDIBLE NOTIFICATION APPLIANCES TO ACHIEVE THE REQUIRED DBA LEVELS REQUIRED BY NFPA 72 AND INTELLIGIBILITY AS REQUIRED IN THE PROJECT SPECIFICATION. VISUAL NOTIFICATION APPLIANCES LAYOUT SHALL ALSO MEET THE CANDELA REQUIREMENTS OF NFPA 72. THE FINAL QUANTITY AND LOCATION OF ALL DEVICES SHALL BE BASED ON THE CONTRACTOR'S QFPE SIGNED AND SEALED FIRE ALARM SHOP DRAWINGS.
2. THE EXISTING FIRE ALARM SYSTEM IN THE REMAINDER OF THE FACILITY SHALL REMAIN INTACT AND OPERATIONAL DURING EXTENT OF CONSTRUCTION.
3. THE FIRE ALARM CONTRACTOR SHALL REPROGRAM THE EXISTING FACU AS REQUIRED FOR INTEGRATION OF THE NEW FIRE ALARM /MNS CONTROL UNIT AND REMOVAL OF DEVICES THAT WERE DEMOLISHED.
4. PROVIDE A MNS/FIRE ALARM SUBPANEL WITHIN THE PERIMETER WITH OPTICAL FIBER BACKBONE TO THE BUILDING SYSTEM OR CONVERT THE ELECTRICAL SIGNAL TO AN OPTICAL SIGNAL BEFORE PENETRATION OF THE PERIMETER. PROVIDE OPTICAL FIBER WITH NO METALLIC SHIELDING, CLADDING, OR STRENGTH MEMBERS.
5. THE EXISTING SYSTEM IS PROVIDED WITH CLEAR AND AMBER STROBES THROUGHOUT. ALL EXISTING VISIBLE NOTIFICATION APPLIANCES SHALL BE REMOVED AND REPLACED WITH CLEAR STROBES MARKED "ALERT".
6. ALL NEW EXTERIOR AND UNSECURE MECHANICAL ROOM SPEAKERS SHALL BE ON DEDICATED SPEAKER CIRCUIT TO PREVENT EAVESDROPPING CAPABILITY.

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

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	APPROVED FIRE PREVENTION		
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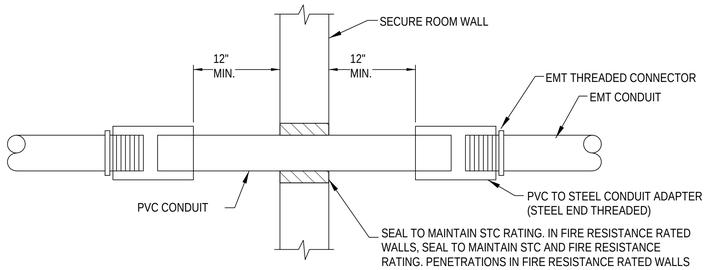
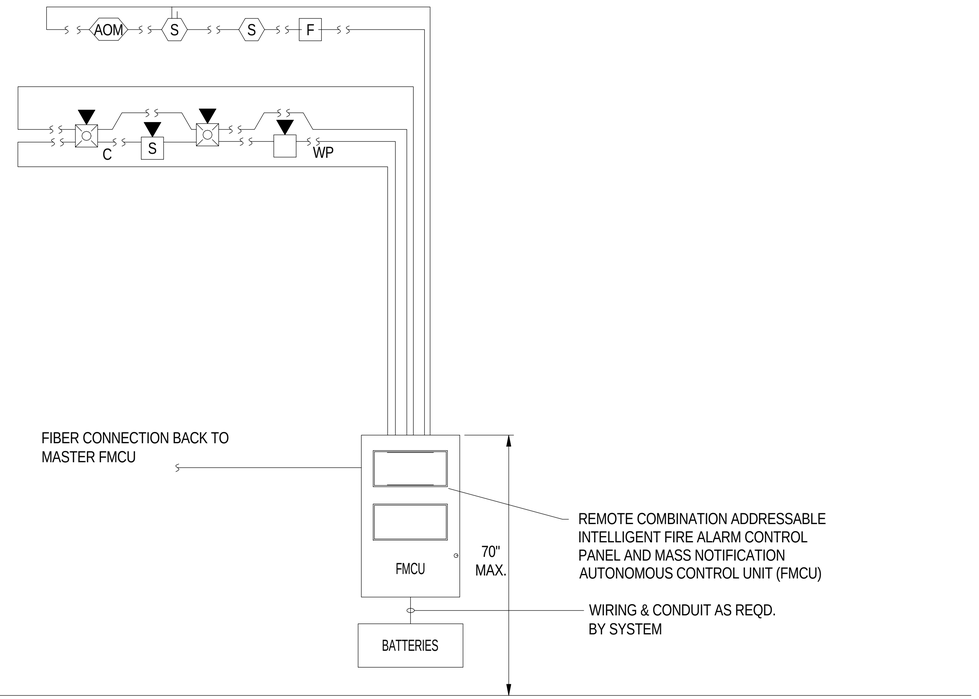
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
APPROVED ASUS	APPROVED COMMUNICATIONS	FIRE ALARM PLAN-NEW WORK	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MAR 2024
INDEX NO. FA102	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



NOTES:
THIS NON-METALLIC CONDUIT BREAK DETAIL PERTAINS TO PENETRATIONS THROUGH SECURE AREA "B" ONLY.

PENETRATIONS THROUGH RF SHIELDING SHALL BE SEALED WITH RF FOIL ADHESIVE TAPE. RF FOIL TAPE SHALL BE WRAPPED AROUND CONDUIT AND LAPPED ONTO ADJACENT RF SHIELDING TO MINIMIZE RF EMANATIONS. THE ANNULAR SPACE AROUND THE CONDUIT SHALL BE COMPLETELY SEALED.

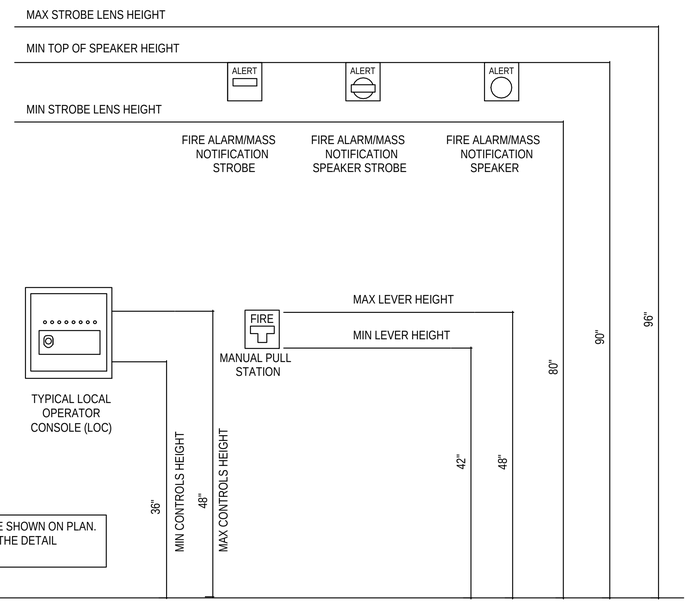
1 FA501 NON-METALLIC CONDUIT BREAK
NOT TO SCALE



3 FA501 FAMNS RISER
NOT TO SCALE

GENERAL WALL MOUNTING NOTES

1. MOUNT MANUAL PULL STATION SO THAT OPERABLE LEVER IS BETWEEN 42" AND 48" ABOVE FINISHED FLOOR.
2. MOUNT STROBES SO THAT LENS IS NO MORE THAN 96" AFF AND NO LESS THAN 80" AFF.
3. MOUNT SPEAKERS SO THAT TOP OF APPLIANCE IS A MINIMUM OF 90" AFF. ENSURE THAT SPEAKER IS AT LEAST 6" BELOW CEILING.
4. MOUNT SPEAKER STROBES IN ACCORDANCE WITH STROBE MOUNTING REQUIREMENTS.
5. MOUNT LOC WITH HOUSING CENTERED AT 3'8".



INSTALL DEVICES IN CEILING WHERE SHOWN ON PLAN. WHEN MOUNTING TO WALL UTILIZE THE DETAIL INFORMATION.

2 FA501 FA/MNS MOUNTING HEIGHT DETAIL
NOT TO SCALE

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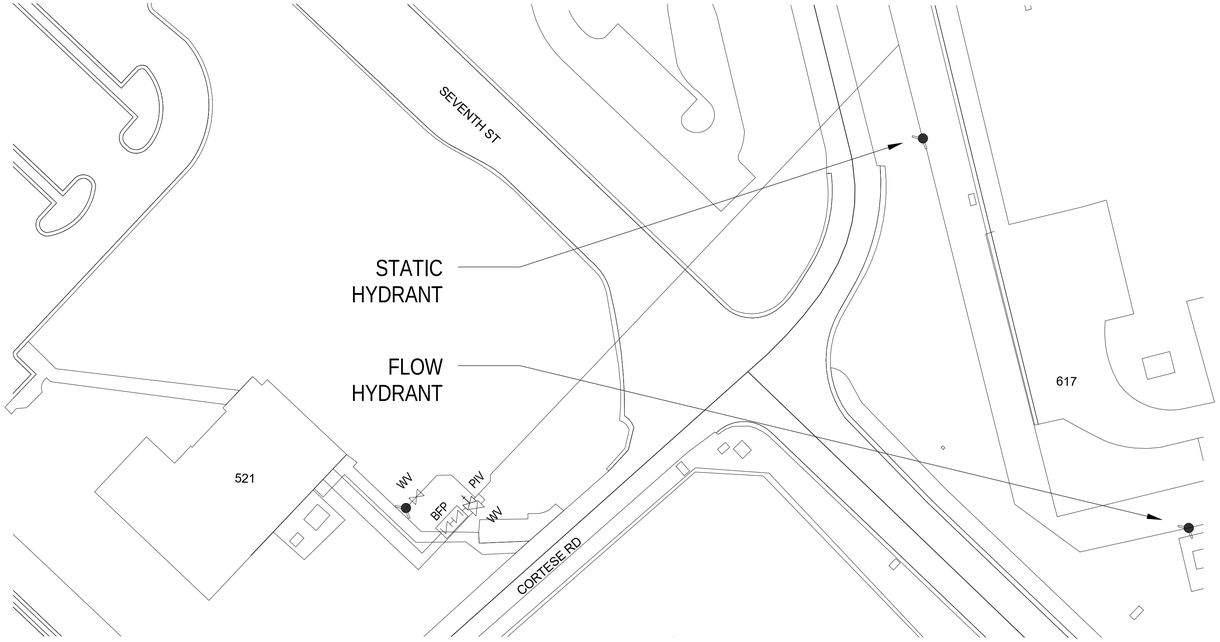
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO. / FILE NO. — SHEET OF

SECURE AREA CONSTRUCTION NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR SECURE AREA BOUNDARY LOCATION OF SECURE WALLS AND ADDITIONAL SECURE AREA CONSTRUCTION NOTES.
2. ALL PENETRATIONS THROUGH SECURITY WALLS SHALL BE SEALED TO MAINTAIN STC RATING AND FIRE RATING AS APPLICABLE. PROVIDE LISTED FIRESTOPPING SYSTEMS IN FIRE RESISTANCE RATED WALLS.
3. CONDUITS PENETRATING SECURE AREA "B" SHALL HAVE NON-METALLIC SEPARATIONS. SEE DETAIL ON FIRE ALARM DRAWINGS.
4. SPRINKLER PIPING PENETRATING SECURE AREA "B" SHALL BE GROUNDED TO THE BUILDING STRUCTURE. SEE DETAIL ON FX-501.
5. ALL BUILDING SYSTEMS, EQUIPMENT, UTILITIES, DUCTWORK, PIPING, CONDUITS AND PATHWAYS, CABLING AND DEVICES SHALL NOT BE INSTALLED WITHIN DESIGNATED SECURITY WALL ASSEMBLIES AND SHALL BE INSTALLED BELOW THE SECURITY CEILING/FLOOR ASSEMBLIES.
6. LIGHT GAGE STEEL FRAMING OF THE SECURITY CEILING/FLOOR ASSEMBLIES SHALL NOT BE UTILIZED TO SUPPORT UTILITIES AND UTILITY SUPPORT ASSEMBLIES. ALL UTILITY AND SUPPORTS SHALL BE HUNG FROM THE BUILDING STRUCTURE.
7. FIRE SPRINKLER PIPING AND COMPONENTS SHALL BE INSTALLED IN LOCATIONS SO AS TO PROVIDE SUFFICIENT CLEARANCE FOR SECURITY PERSONNEL TO ACCESS HVAC DUCTWORK INSPECTION PORTS.
8. PENETRATIONS THROUGH RF SHIELDING SHALL BE SEALED WITH RF FOIL ADHESIVE TAPE. RF FOIL TAPE SHALL BE WRAPPED AROUND CONDUIT/PIPE/UTILITY SUPPORT SYSTEMS AND LAPPED ONTO ADJACENT RF SHIELDING TO MINIMIZE RF EMANATIONS. THE ANNULAR SPACE AROUND THE CONDUIT/PIPE/UTILITY SUPPORT SYSTEM SHALL BE COMPLETELY SEALED.

FIRE PROTECTION GENERAL NOTES

1. THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE WET PIPE FIRE SPRINKLER SYSTEM IN THE NEW ADDIITON. THE NEW SPRINKLER SYSTEMS SHALL COMPLY WITH UFC 3-600-01, NFPA 13, THE SPECIFICATIONS, AND THE AHJ. THE SYSTEM SHALL BE COMPLETE TO PROVIDE ALL NECESSARY EQUIPMENT TO SERVE ALL AREAS INDICATED ON THE DRAWINGS. THE NEW SYSTEM SHALL BE SUPPLIED FROM THE EXISITING WET PIPE SPRINKLER SYSTEM IN THE BUILDING.
2. THE CONTRACTOR SHALL MODIFY THE EXISTING WET PIPE SPRINKLER SYSTEM AS REQURIED IN THE RENOVATED AREAS TO PROVIDE COVERAGE PER NFPA 13. THE MODIFED SPRINKLER SYSTEMS SHALL COMPLY WITH UFC 3-600-01, NFPA 13, THE SPECIFICATIONS, AND THE AHJ. THE SYSTEM SHALL BE COMPLETE TO PROVIDE ALL NECESSARY EQUIPMENT TO SERVE ALL AREAS INDICATED ON THE DRAWINGS.
3. THE CONTRACTOR SHALL RETAIN A REGISTERED FIRE PROTECTION ENGINEER (AS DEFINED BY UFC 3-600-01) TO BE THE QUALIFIED FIRE PROTECTION ENGINEER (QFPE) FOR THE CONSTRUCTION PROJECT. THE QFPE MUST REVIEW AND SIGN AND SEAL DRAWINGS, CUTSHEETS, AND CALCULATIONS PRIOR TO SUBMITTING TO THE GOVERNMENT FOR REVIEW. THE QFPE SHALL PROVIDE ALL INSPECTIONS AND INTERFACE WITH THE AHJ AS REQUIRED FOR A COMPLETE INSTALLATION.
4. ALL FIRE PROTECTION SYSTEM CONTROL VALVE SUPERVISORY SWITCHES AND FLOW SWITCHES SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR. WIRING TO VALVE SUPERVISORY SWITCHES AND WATER FLOW SWITCHES SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR. ALL ELECTRICAL DEVICES FOR THE FIRE PROTECTION SYSTEM SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
5. PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED BACK THROUGH VALVES IN ACCORDANCE WITH NFPA 13. ALL DRAIN PIPING SHALL BE INSTALLED WITH SLOPE SO THAT THEY DRAIN COMPLETELY WITH NO WATER TRAPPING POINTS OR BELLIES WHATSOEVER.
6. INSPECTOR'S TEST, AUXILIARY DRAIN, AND MAIN DRAIN VALVES SHALL BE READILY ACCESSIBLE WITHOUT THE USE OF A LADDER AND SHALL NOT BE INSTALLED ANY HIGHER THAN 72" FROM THE FLOOR. INSPECTOR'S TEST, AUXILIARY DRAIN, AND MAIN DRAIN VALVES SHALL DISCHARGE TO EXISTING DRAIN RISERS.
7. SPRINKLER PIPE SHALL NOT BE SUSPENDED FROM DUCT HANGERS. HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13.
8. ALL FIRE SPRINKLER PIPING SHALL BE SCHEDULE 40, BLACK STEEL. SCHEDULE 10 PIPING SHALL NOT BE USED FOR ANY FIRE SUPPRESSION /EXTINGUISHING SYSTEM PIPING WHATSOEVER. ALL SPRINKLER PIPING OVER 2.5" SHALL BE WELDED, FLANGED, OR GROOVED CONNECTIONS. ALL PIPING LESS THAN 2.5" SHALL BE THREADED.
9. QUICK RESPONSE SPRINKLERS SHALL BE USED THROUGHOUT, EXCEPT IN ROOMS OR AREAS FOR WHICH QUICK RESPONSE SPRINKLERS ARE NOT LISTED, OR WHERE THEIR USE HAS BEEN SPECIFICALLY PROHIBITED BY NFPA-13 OR THE AUTHORITY HAVING JURISDICTION.
10. HYDRAULIC DESIGN PLATES AND GENERAL INFORMATION SIGNS SHALL BE INSTALLED PER NFPA 13 AND ENGRAVED SO THE MARKINGS WILL BE PERMANENT.
11. ALL PENETRATIONS THROUGH SMOKE PARTITIONS SHALL BE SEALED WITH NON-COMBUSTIBLE MATERIAL.
12. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO KEEP THE PREMISES DRY AT ALL TIMES AND TO PREVENT WATER DAMAGE. CONTRACTOR SHALL REPAIR WATER DAMAGE RESULTING FROM THE WORK, WHETHER INTENTIONAL OR NOT, AT NO COST TO, AND TO THE SATISFACTION OF THE OWNER.
13. ALL PIPING IN AREAS WITH SUSPENDED CEILINGS SHALL BE CONCEALED ABOVE CEILINGS. ALL EXPOSED PIPE SHALL BE PAINTED AND/OR LABELED IN ACCORDANCE WITH THE SPECIFICATION.



PRELIMINARY FLOW TEST DATA

DATE: 22 FEB 2024
TIME: 9:15 AM
STATIC PRESSURE: 58 PSI
RESIDUAL PRESSURE: 41 PSI
WATER FLOW: 1500 GPM

SOURCE OF WATER SUPPLY: ASUS

NOTE: THE PRELIMINARY WATERFLOW TEST RESULTS ARE PROVIDED TO SHOW THAT THE AVAILABLE WATER SUPPLY IS CAPABLE OF MEETING THE SYSTEM DEMAND. THE SPRINKLER CONTRACTOR SHALL PERFORM A HYDRANT FLOW TEST AND USE THE RESULTS AS THE BASIS OF THE AVAILABLE WATER SUPPLY FOR THEIR CALCULATIONS. IF THE CONTRACTOR'S HYDRANT FLOW TEST RESULTS SHOW THE AVAILABLE WATER SUPPLY IS LOWER THAN THE PRELIMINARY FLOW TEST RESULTS, THE SPRINKLER CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IN WRITING IMMEDIATELY BEFORE PROVIDING SPRINKLER DESIGN SUBMITTALS.

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	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: FIRE SPRINKLER GENERAL NOTES
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MAR 2024
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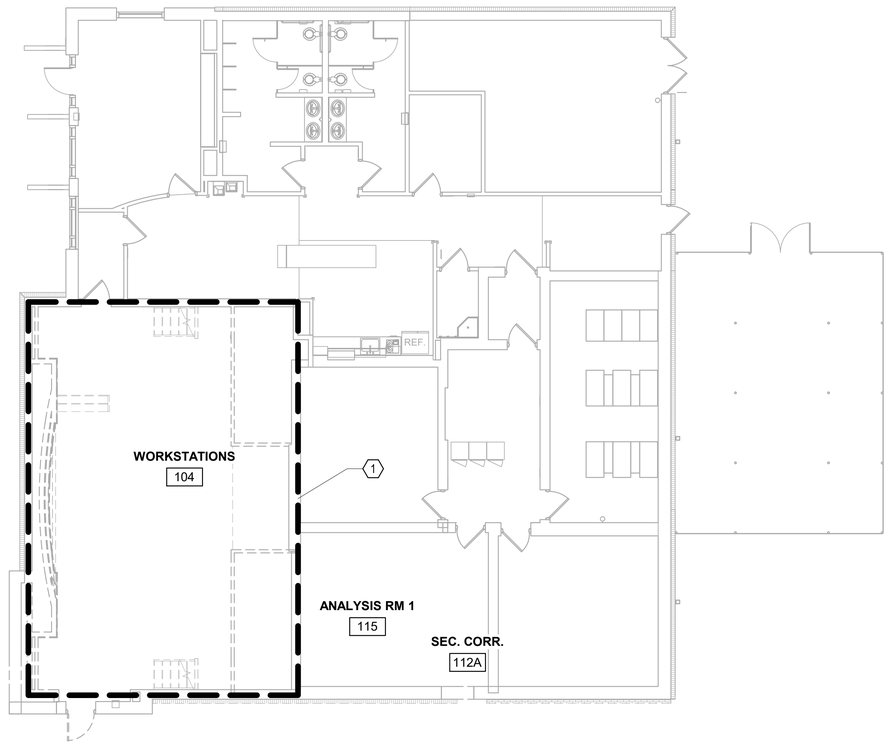
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06 — DRAWING NO. — FILE NO. — SHEET OF



1 FX101 FIRE SPRINKLER PLAN-DEMOLITION
1/8" = 1'-0"

SHEET NOTES

1. CONTRACTOR SHALL DEMOLISH EXISITING SPRINKLER SYSTEM IN THIS ROOM AS REQURIED FOR MODIFCATIONS TO ROOM LAYOUT.

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

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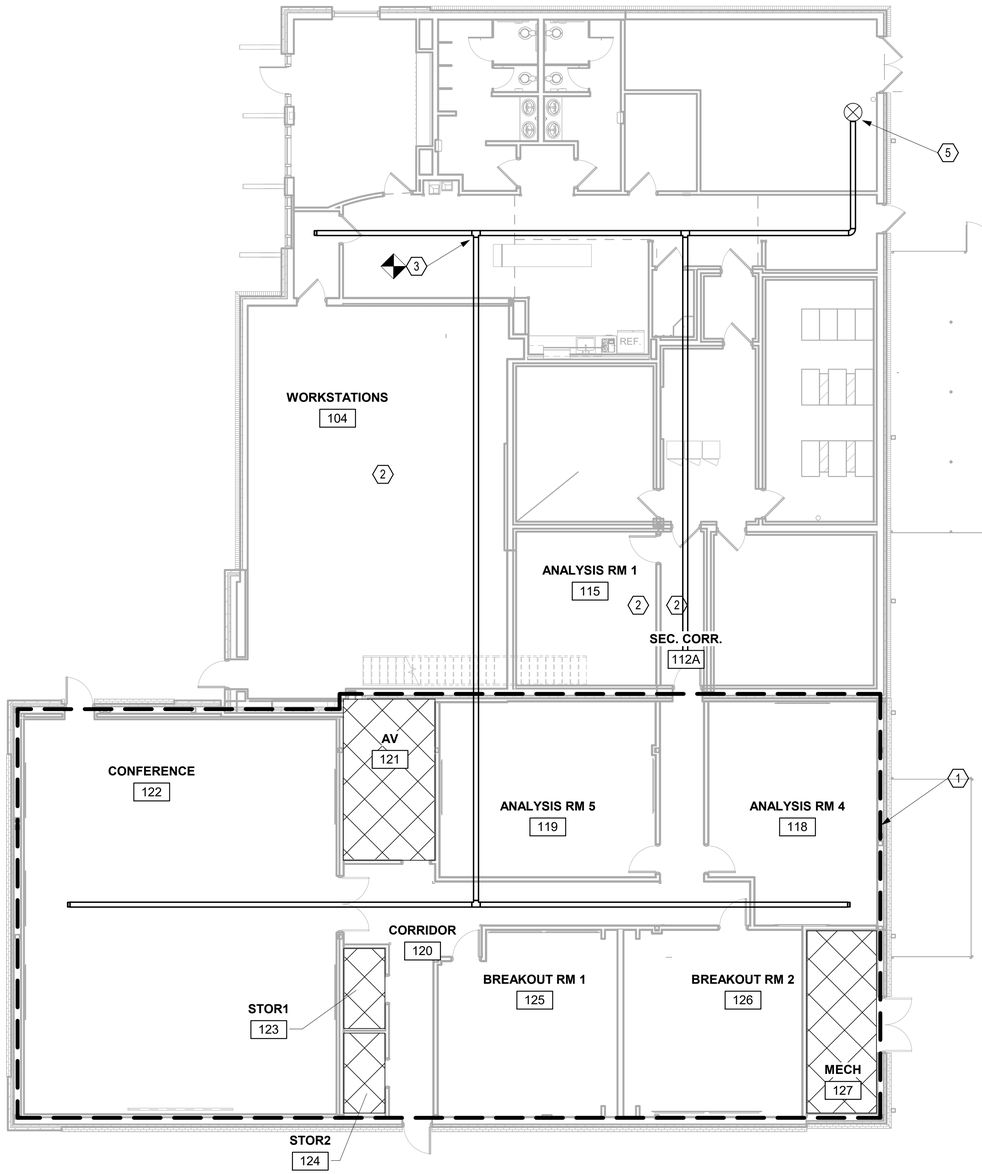
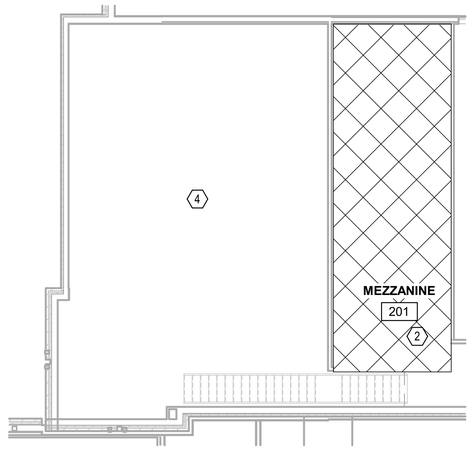


1 FX102 FIRE SPRINKLER PLAN-NEW WORK
1/8" = 1'-0"



2 FX102 MEZZANINE FIRE SPRINKLER PLAN-NEW WORK
1/8" = 1'-0"

SHEET NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE WORKING WET PIPE SPRINKLER SYSTEM IN THE NEW BUILDING ADDITION. THE NEW WET PIPE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13 AND SHALL BE IN COMPLIANCE WITH NFPA 13, UFC 3-600-1, THE SPECIFICATIONS, AND THE AUTHORITY HAVING JURISDICTION. THE NEW SYSTEM SHALL BE SUPPLIED FROM THE EXISTING AUTOMATIC WET PIPE SPRINKLER SYSTEM.
2. CONTRACTOR SHALL MODIFY THE EXISTING WET PIPE SPRINKLER IN THIS AREA AS REQUIRED TO PROVIDE COVERAGE OF THE MODIFIED FLOOR PLAN. THE MODIFIED WET PIPE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13 AND SHALL BE IN COMPLIANCE WITH NFPA 13, UFC 3-600-1, THE SPECIFICATIONS, AND THE AUTHORITY HAVING JURISDICTION. THE NEW SYSTEM SHALL BE SUPPLIED FROM THE EXISTING AUTOMATIC WET PIPE SPRINKLER SYSTEM.
3. ROUTE NEW SPRINKLER SYSTEM FEED MAIN FOR ADDITION ABOVE CEILING AND CONCEALED IN CHASE. CONNECT TO EXISTING FIRE SPRINKLER FEED MAIN IN THIS AREA. FEED MAIN SHOWN IS DIAGRAMATIC ONLY.
4. NO SPRINKLER COVERAGE REQUIRED ABOVE CEILING IN THIS SPACE.
5. LOCATION OF EXISTING SPRINKLER RISER.

FIRE SPRINKLER NEW WORK NOTES

1. PIPE AND SPRINKLER LAYOUT SHOWN IS DIAGRAMMATICAL. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
2. CONTRACTOR'S FIRE SPRINKLER DESIGNER SHALL DESIGN PIPING LAYOUT TO AVOID CONFLICTS WITH OTHER TRADES AND EXISTING STRUCTURE SPRINKLERS SHALL BE PROVIDED AROUND OBSTRUCTIONS AS REQUIRED BY NFPA 13.

HYDRAULIC DESIGN CRITERIA LEGEND

CONTRACTOR SHALL HYDRAULICALLY DESIGN THE SYSTEM USING THE MINIMUM DENSITY AND REMOTE AREA SHOWN BELOW. THE MINIMUM PIPE SIZE FOR BRANCH LINES IN GRIDDED SYSTEMS SHALL BE 1 1/4-INCH. HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH THE AREA/DENSITY METHOD OF NFPA 13.

UFC-3-600-01 - LIGHT HAZARD
REMOTE AREA: 1500 SQ. FT.
MAXIMUM AREA PER SPRINKLER: 225 SQ. FT.
MAXIMUM WATER FLOW DENSITY: 0.1 GPM/SQ. FT.

UFC-3-600-01 - ORDINARY HAZARD
REMOTE AREA: 2500 SQ. FT.
MAXIMUM AREA PER SPRINKLER: 130 SQ. FT.
MAXIMUM WATER FLOW DENSITY: 0.2 GPM/SQ. FT.

UFC 3-600-01 HOSE STREAM ALLOWANCE
INSIDE HOSE: 0 GPM
OUTSIDE HOSE: 250 GPM

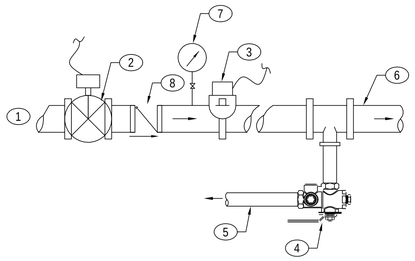
0 4' 8' 16'
SCALE: 1/8" = 1'-0"

PETERSON ENGINEERING INC.
PROF. ENG. #3600
75 SOUTH F ST.
PENSACOLA, FL 32502
(850) 434-0513
PEI JOB #23083

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

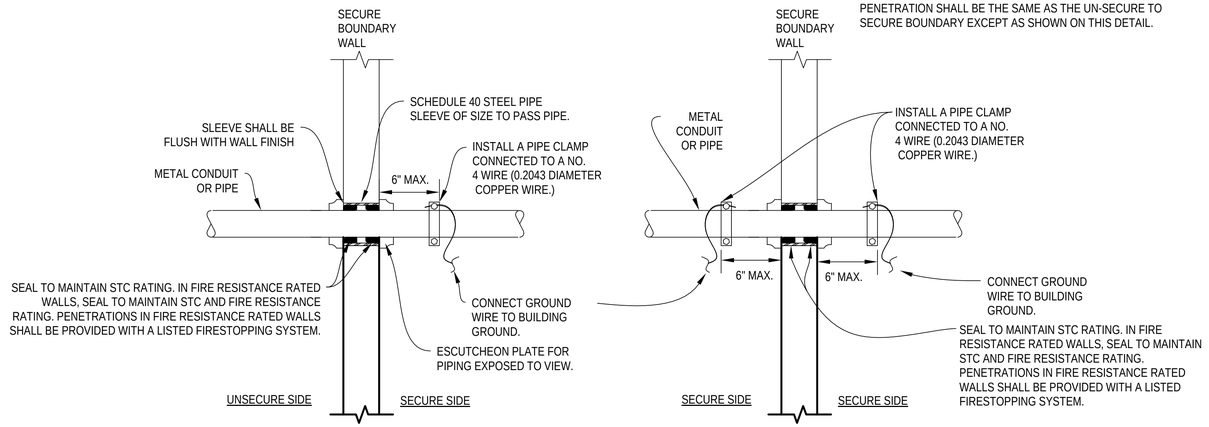
DATE	DRAWN BY S. MCGRAW	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. E. KIMMIG	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: FIRE SPRINKLER PLAN-NEW WORK
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MAR 2024
INDEX NO. FX102	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO. / FILE NO. / SHEET OF



CONTROL VALVE ASSEMBLY NOTES

1. CONNECT TO EXISTING FIRE SPRINKLER MAIN. FIELD VERIFY EXACT LOCATION.
2. NEW CONTROL VALVE WITH TAMPER SWITCH. TAMPER SWITCH SHALL BE PROVIDED BY SPRINKLER CONTRACTOR AND CONNECTED TO FA SYSTEM BY FA CONTRACTOR.
3. NEW WATERFLOW ALARM SWITCH. WATERFLOW SWITCH PROVIDED BY SPRINKLER CONTRACTOR AND CONNECTED TO FA SYSTEM BY FA CONTRACTOR.
4. NEW COMBINATION ZONE TEST AND DRAIN VALVE ASSEMBLY. ASSEMBLY SHALL INCLUDE SIGHT GLASS AND A CORROSION RESISTANT ORIFICE GIVING FLOW EQUIVALENT TO THE SMALLEST SPRINKLER ORIFICE IN THE ZONE.
5. NEW DRAIN PIPING ROUTED TO BUILDING EXTERIOR
6. NEW PIPING TO SPRINKLER ZONE
7. NEW PRESSURE GAUGE WITH GAUGE COCK
8. NEW CHECK VALVE

1 FX501 CONTROL VALVE ASSEMBLY DIAGRAM
NOT TO SCALE



NOTES:

- ALL SECURE BOUNDARY PENETRATIONS SHALL BE IN ACCORDANCE WITH ICD/ICS 705 AND UFC 4-010-05.
- THIS NON-METALLIC CONDUIT BREAK DETAIL PERTAINS TO PENETRATIONS THROUGH SECURE AREA "B" ONLY.
- PENETRATIONS THROUGH RF SHIELDING SHALL BE SEALED WITH RF FOIL ADHESIVE TAPE. RF FOIL TAPE SHALL BE WRAPPED AROUND PIPE AND LAPPED ONTO ADJACENT RF SHIELDING WITH 6 INCH OVERLAP TO MINIMIZE RF EMANATIONS. THE ANNULAR SPACE AROUND THE PIPE SHALL BE COMPLETELY SEALED.

2 FX501 SECURITY BOUNDARY PIPE PENETRATION GROUNDING DETAIL1
NOT TO SCALE

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BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: D. KULT PROJ. ENGR: F. KIMMIG	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
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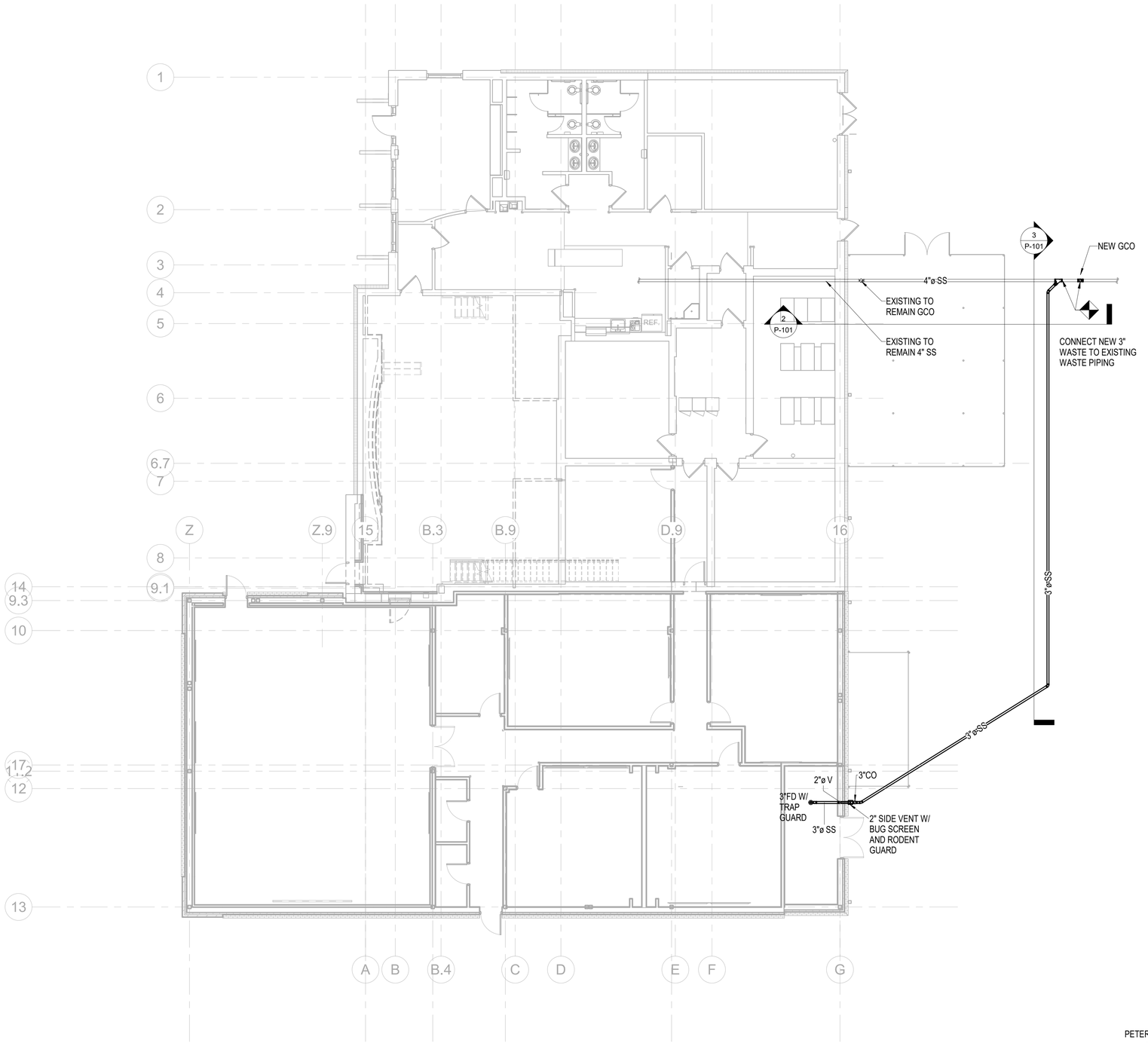
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: FIRE SPRINKLER DETAILS	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE: 13 MAR 2024
INDEX NO.: FX501	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

FIXTURE CONNECTION SCHEDULE - BASIS OF DESIGN					
MARK	DESCRIPTION	WASTE	CW	HW	REMARKS
FD	FLOOR DRAIN	3"	1/2"	--	PROVIDE WITH TRAP GUARD AND VENT THRU SIDE
CO	CLEANOUT	4"	--	--	TWO-WAY CLEANOUT



1 FLOOR PLAN - PLUMBING
P-101
1/8" = 1'-0"

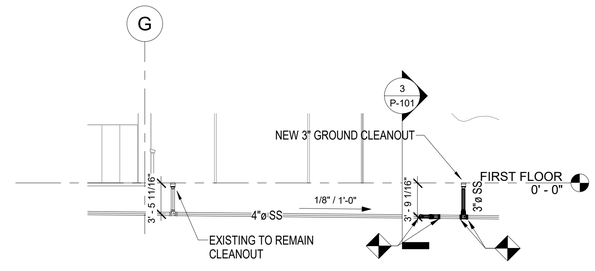
0 4' 8' 16'
SCALE: 1/8" = 1'-0"

LEGEND:

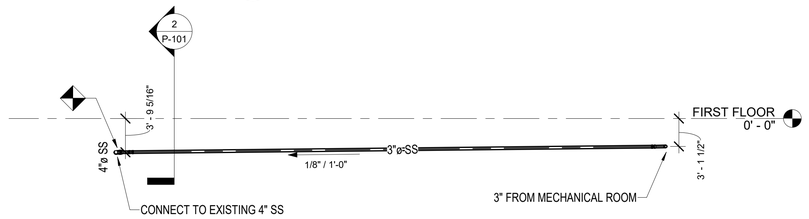
- EXISTING SOIL OR WASTE PIPING
- NEW SOIL OR WASTE PIPING
- VENT PIPING
- FD — FLOOR DRAIN
- CO — CLEANOUT
- NEW TO EXISTING CONNECTION

NOTES:

1. CONTRACTOR TO VERIFY EXISTING PIPING LOCATIONS BEFORE STARTING WORK.
2. CONTRACTOR TO SUPPLY SIDE VENT FOR FLOOR DRAIN WITH BUG SCREEN AND RODENT GUARD.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED INTERNATIONAL PLUMBING CODE ADDITION.



2 EXISTING WASTE SECTION
1/8" = 1'-0"



3 NEW WASTE SECTION
1/8" = 1'-0"

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BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE
SIGNATURE
APPROVED SECURITY FORCES
APPROVED ASUS
APPROVED CHELCO
INDEX NO. P-101

DRAWN BY JOINER
PROJ. ENGR. PETERSON
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED USING AGENCY
APPROVED COMMUNICATIONS
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SPEC. NO. 23AH
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FILE NO.

TITLE
ADDITION AND RENOVATION B521

CONTENTS
PLUMBING PLAN AND FIXTURE SCHEDULE

APPROVED 96/CEG/CEN
APPROVED DEPUTY BASE CIVIL ENGINEER
DATE 13 MAR. 2024
SCALE AS SHOWN
SHEET OF

HVAC GENERAL NOTES

1. INSTALL A COMPLETE AND OPERABLE MECHANICAL SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
3. INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
5. COORDINATE EQUIPMENT CLEARANCES (AS RECOMMENDED BY MANUFACTURER) WITH ALL DISCIPLINES BEFORE INSTALLATION.
6. COORDINATE AND PROVIDE ALL DUCTS AND PIPING TRANSITION REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT, VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
7. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH THE STRAIGHT SECTION OF PIPE OR DUCT UPSTREAM AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER.
8. ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED, SPECIFIED, AND REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION.
9. LOCATIONS AND SIZES OF ALL FLOOR, WALL AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
10. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION.
11. THERMOSTATS INDICATED ADJACENT TO DOORWAYS SHALL BE LOCATED WITHIN 18" OF JAMB AT LOCATIONS WITH LIGHT SWITCHES AND MOUNT THERMOSTAT 48" AFF. LOCATE THERMOSTAT SUCH THAT LIGHT SWITCH IS BETWEEN THERMOSTAT AND JAMB. VERIFY THERMOSTAT LOCATION WITH SYSTEM FURNITURE LAYOUT PRIOR TO INSTALLING THERMOSTATS.
12. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR DUCT LINING THICKNESS.
13. AVOID ROUTING DUCTWORK AND MECHANICAL EQUIPMENT OVER LIGHTS WHEREVER POSSIBLE. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN MECHANICAL EQUIPMENT AND DUCT INSULATION TO TOP OF LIGHTS. PROVIDE CLEARANCE AND ACCESS ALL AROUND AND BELOW MECHANICAL EQUIPMENT AS REQUIRED FOR ROUTINE MAINTENANCE.
14. SEAL ALL DUCT PENETRATIONS OF WALLS AIRTIGHT, REGARDLESS OF WHETHER WALLS ARE FIRE RATED OR NOT.
15. MOUNT DUCTWORK AS HIGH AS POSSIBLE WHERE EXPOSED, UNLESS OTHER WISE NOTED.
16. ALL SUPPLY AIR DUCTWORK ABOVE CEILINGS SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2"W.G., SEAL CLASS A, EXTERNALLY INSULATED.
17. ALL RETURN AIR DUCTWORK ABOVE CEILINGS SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1" W.G., SEAL CLASS A, EXTERNALLY INSULATED.

ABBREVIATIONS

AD	AUTOMATIC DAMPER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AMB	AMBIENT
APPROX	APPROXIMATE
ARCH	ARCHITECT OR ARCHITECTURE
ARI	AIR-CONDITIONING AND REFRIGERATION INSTITUTE
ATU	AIR TERMINAL UNIT
AUTO	AUTOMATIC
AUX	AUXILIARY
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
C	CONDENSATE LINE
CFM	CUBIC FEET PER MINUTE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DELTA-T	TEMPERATURE DIFFERENCE
DEMO	DEMOLISH
DIA	DIAMETER
DN	DOWN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EWB	ENTERING WET BULB
EFF	EFFICIENCY
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EF	EXHAUST FAN
EX	EXISTING
EXT	EXTERNAL
F/A	FIRE ALARM
°F	DEGREE FAHRENHEIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FS	FLOW SENSOR
FT	FEET
GAL	GALLONS
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
H2O	WATER
HD	HEAD
HP	HORSEPOWER
HR	HOUR
HSPF	HEAT SEASONAL PERFORMANCE FACTOR
HZ	HERTZ
IAW	IN ACCORDANCE WITH
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LB	POUNDS
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MBTU	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMACITY
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSAHU	MINI SPLIT AIR HANDLING UNIT
MVD	MANUAL VOLUME DAMPER
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OAT	OUTSIDE AIR TEMPERATURE
OAL	OUTDOOR AIR LOUVER
PD	PRESSURE DROP
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SENS	SENSIBLE
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ.FT.	SQUARE FEET
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
T'STAT	THERMOSTAT
TYP	TYPICAL
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
W	WATTS
V	VOLT
Φ	PHASE

LEGEND

WxH	RECTANGULAR DUCTWORK, SIZES SHOWN ARE INTERNAL CLEAR DIMENSIONS. (WIDTH x HEIGHT) FIRST FIGURE IS SIDE SHOWN.
	DUCT SECTION, POSITIVE PRESSURE, FIRST FIGURE IS TOP DIMENSION
	DUCT SECTION, NEGATIVE PRESSURE, FIRST FIGURE IS TOP DIMENSION
	ROUND BRANCH DUCT TAKEOFF FROM RECTANGULAR DUCT MAIN. BRANCH DUCT SHALL BE FLEXIBLE ROUND DUCT OR ROUND SNAPLOCK DUCT AS INDICATED. ROUND DUCT TAP IN SHALL BE MADE WITH SPIN-IN COLLAR WITH MANUAL VOLUME DAMPER.
8"Ø	ROUND SNAPLOCK GALVANIZED STEEL DUCTWORK, EXTERNALLY INSULATED, SMACNA STATIC PRESSURE CONSTRUCTION CLASS 1/2" w.g., SEAL CLASS C. SIZE SHOWN IS SHEET METAL
	FACTORY FABRICATED/INSULATED FLEXIBLE ROUND DUCT, SIZE SHOWN IS INSIDE DIAMETER.
	SQUARE THROAT ELBOW IN RECTANGULAR DUCT WITH SINGLE WALL TURNING VANES.
	LONG RADIUS ELBOW IN RECTANGULAR DUCT.
	RECTANGULAR BRANCH DUCT TAKE OFF FROM RECTANGULAR DUCT MAIN WITH 45° COLLAR.
T	THERMOSTAT/HUMIDISTAT, MOUNT 48" A.F.F.
	MANUAL VOLUME DAMPER, PROVIDE WITH LOCKING QUADRANT
24"x24" CD 230 CFM	CEILING DIFFUSER WITH 24"x24" FACE SIZE DESIGNED FOR LAY-IN INSTALLATION IN 24"x24" T-BAR CEILING GRID. ROUND NECK SIZE AND AIRFLOW AS INDICATED. 360° DIRECTION OF THROW. PROVIDE WITH OPPOSED BLADE VOLUME CONTROL DAMPER. BACK FACE OF DIFFUSER SHALL HAVE INSULATION BLANKET.
12x12 CD 320 CFM	CEILING DIFFUSER WITH BEVELED DROP SURFACE MOUNTED FRAME, SQUARE NECK SIZE AND AIR FLOW AS INDICATED. ALL DIFFUSERS SHALL BE 4-WAY THROW UNLESS INDICATED OTHERWISE. PROVIDE WITH OPPOSED BLADE VOLUME CONTROL DAMPER, FACTORY FABRICATED SQUARE TO ROUND ADAPTER, AND INSULATION
8"x6" SWR 85 CFM	SUPPLY AIR REGISTER, NECK SIZE AND AIR FLOW AS INDICATED. DIRECTION OF THROW AS INDICATED BY ARROWS. PROVIDE WITH OPPOSED BLADE VOLUME CONTROL DAMPER.
24x24 RAG	RETURN AIR GRILLE, NECK SIZE AS INDICATED
FD	FIRE DAMPER WITH ACCESS DOOR
	CONNECT TO EXISTING AT POINT INDICATED
	DEMOLISH TO POINT INDICATED

TYPICAL SECURE AREA CONSTRUCTION NOTES

1. REFER TO DRAWINGS RF-501, RF-502, M-501, AND M-502 FOR SECURE AREA BOUNDARIES AND ADDITIONAL SECURE AREA CONSTRUCTION NOTES.
2. ALL PENETRATIONS THROUGH SECURITY WALLS SHALL BE SEALED TO MAINTAIN STC RATING AND FIRE RATING AS APPLICABLE.
3. METALLIC NON-PRESSURE PIPING AND CONDUITS PENETRATING SECURITY WALLS, FLOORS AND CEILINGS SHALL HAVE NON-METALLIC SEPARATIONS.
4. PRESSURE PIPING SHALL BE GROUNDED TO THE BUILDING STRUCTURE. SEE DETAIL ON SHEET M-503.
5. DUCTWORK PENETRATING SECURITY PERIMETER SHALL HAVE NON-METALLIC SEPARATIONS, SOUND MASKING WHITE NOISE, AND SECURITY MAN BARS WITH INSPECTION PORTS. REFER TO DETAILS ON SHEET M-503.
6. SECURITY MAN BAR INSPECTION PORTS SHALL BE INSTALLED IN A LOCATION TO PROVIDE SUFFICENT CLEARANCE FOR SECURITY PERSONNEL ACCESS ON LADDERS TO ACCESS INSPECTION PORT, SO ADJACENT BUILDING SYSTEMS (DUCTWORK, CABLE TRAY, PIPPING, CONDUITS, ETC.) SHALL BE INSTALLED TO PROVIDE SUFFICIENT CLEARANCE TO THE INSPECTION PORT.
7. ALL BUILDING SYSTEMS, EQUIPMENT, UTILITIES, DUCTWORK, PIPING, CONDUITS AND PATHWAYS, CABLING AND DEVICES SHALL NOT BE INSTALLED WITHIN DESIGNATED SECURITY WALL ASSEMBLIES AND SHALL BE INSTALLED BELOW THE SECURITY STC CEILING/FLOOR AND CEILING/ROOF ASSEMBLIES. UTILITIES INTENDED TO BE INSTALLED CONCEALED (NOT EXPOSED) TO BE INSTALLED IN THE DESIGNATED "FRANGIBLE" PORTION OF THE WALL ASSEMBLY.
8. LIGHT GAGE STEEL FRAMING OF THE SECURITY STC CEILING/FLOOR AND CEILING/ROOF ASSEMBLIES SHALL NOT BE UTILIZED TO SUPPORT UTILITIES AND UTILITY SUPPORT ASSEMBLIES. ALL UTILITY AND SUPPORTS SHALL BE HUNG FROM UNISTRUT SYSTEM BELOW RF CEILING.

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APPROVED: SECURITY FORCES	APPROVED: USING AGENCY	CONTENTS: GENERAL MECHANICAL INFORMATION	
APPROVED: ASUS	APPROVED: COMMUNICATIONS		
APPROVED: CHELCO	APPROVED: OPERATIONS ENGINEERING	APPROVED: 96/CEG/CEN	DATE: 13 MAR 2024
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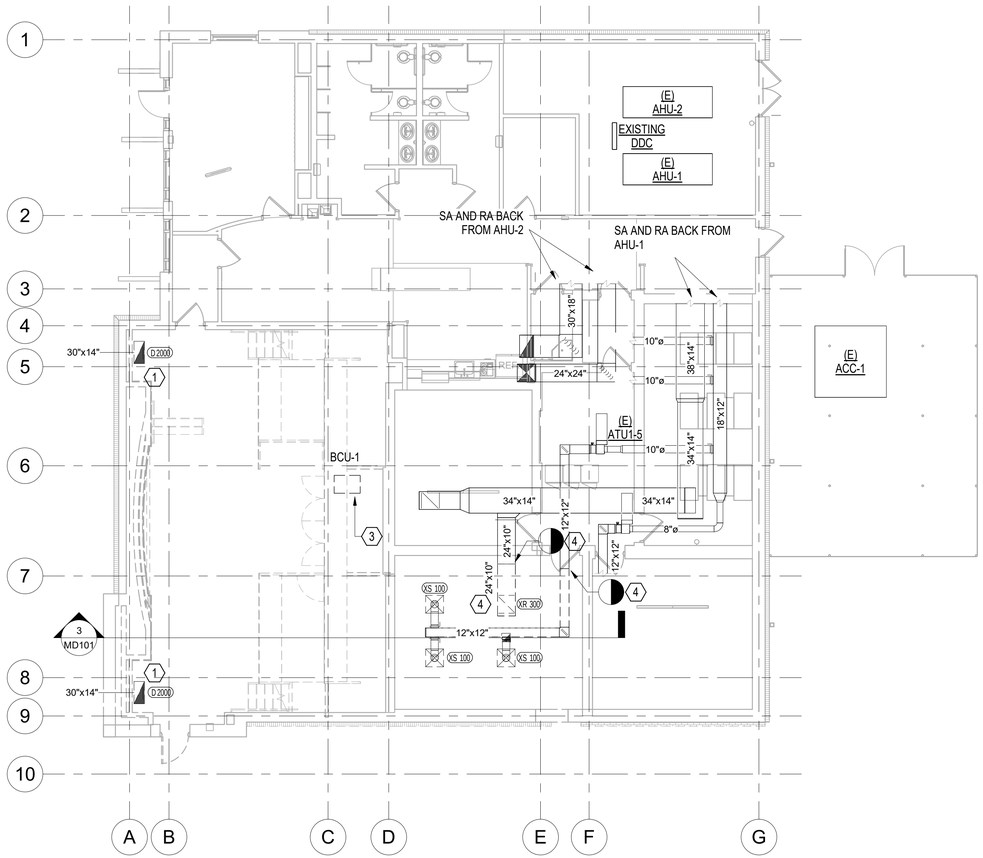
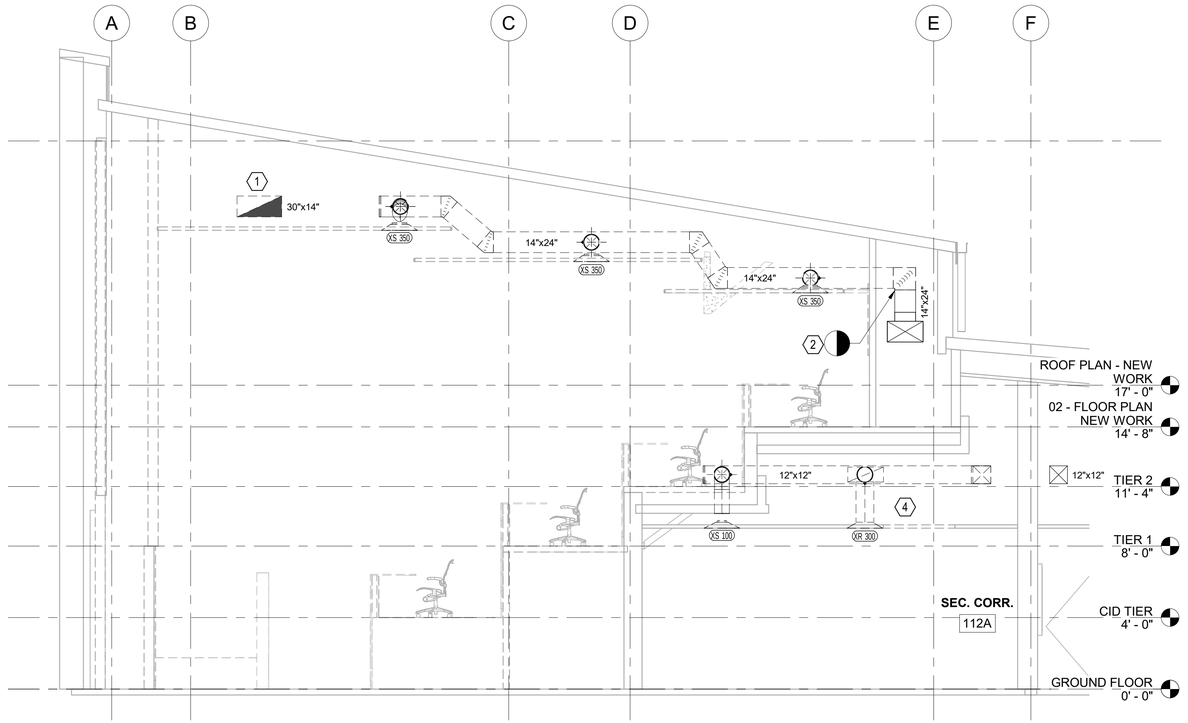


PLAN NORTH

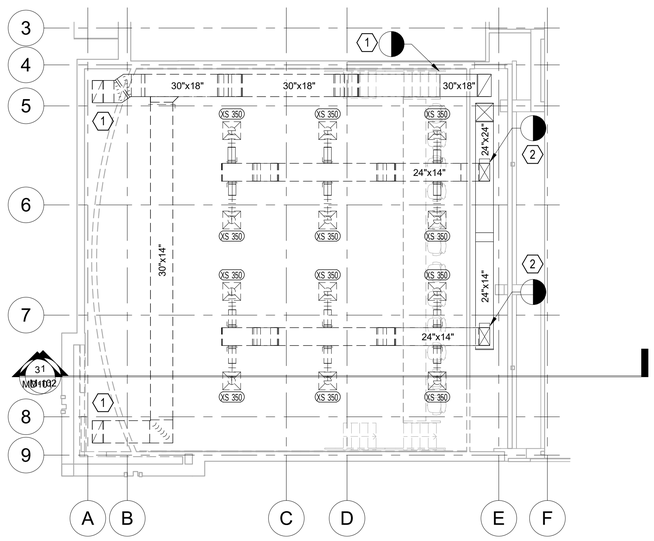
1 MD101 FLOOR PLAN - DEMOLITION

1/8" = 1'-0"



3 MD101 MEZZANINE SECTION - DEMOLITION

1/4" = 1'-0"



PLAN NORTH

2 MD101 AUDITORIUM UPPPER FLOOR PLAN - DEMOLITION

1/8" = 1'-0"

SHEET NOTES

1. DEMOLISH RETURN AIR DUCTWORK AND GRILLES IN EXISTING AUDITORIUM.
2. DEMOLISH SUPPLY AIR DUCTWORK IN AUDITORIUM BACK TO POINT INDICATED.
3. DEMOLISH EXISTING BCU-1 AND ASSOCIATED DUCTWORK AND PIPING IN AV ROOM.
4. DEMOLISH DUCTWORK AND GRILLES BELOW AUDITORIUM BACK TO POINT INDICATED.

0 2' 4' 8'

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

0 4' 8' 16'

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

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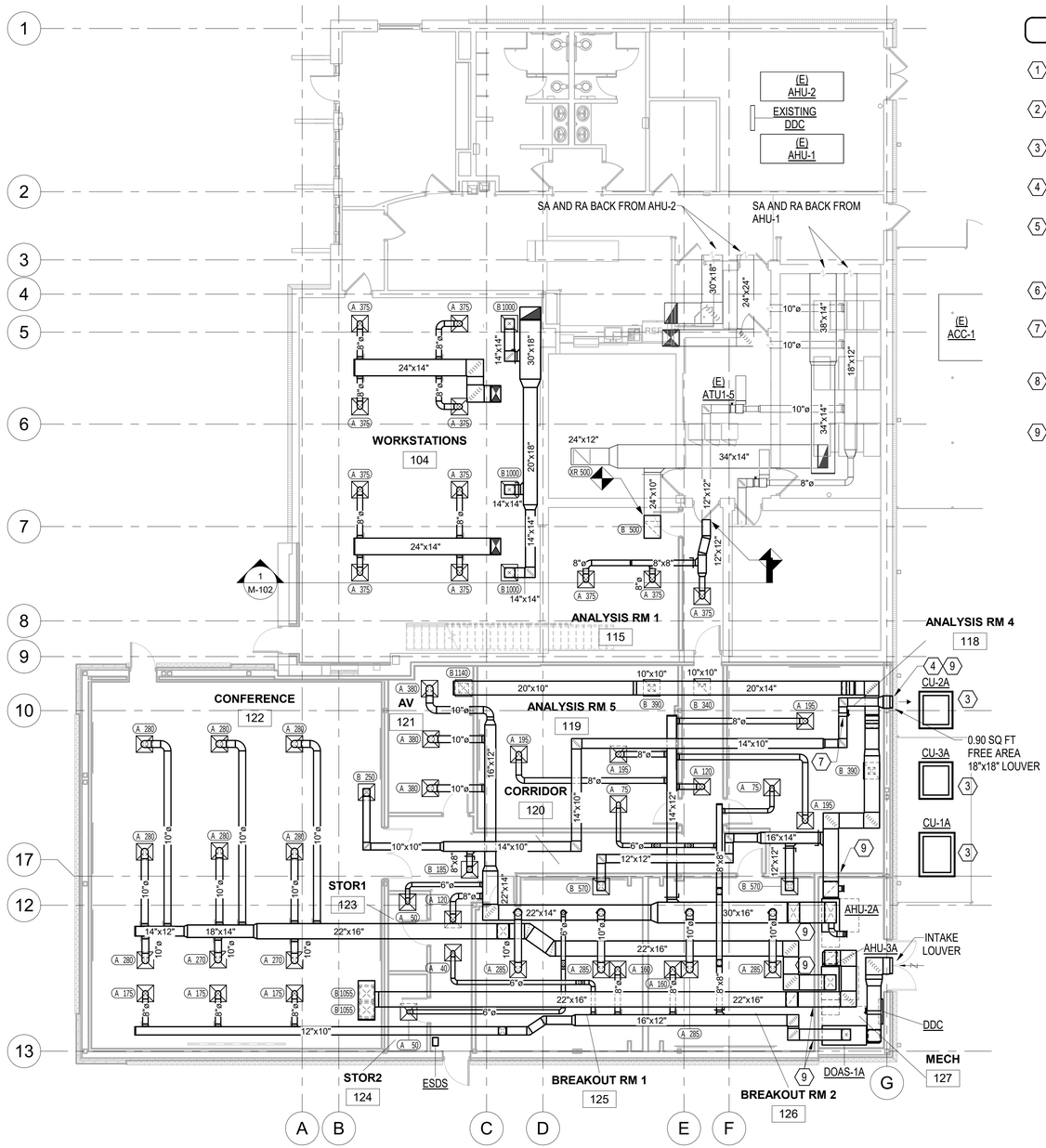
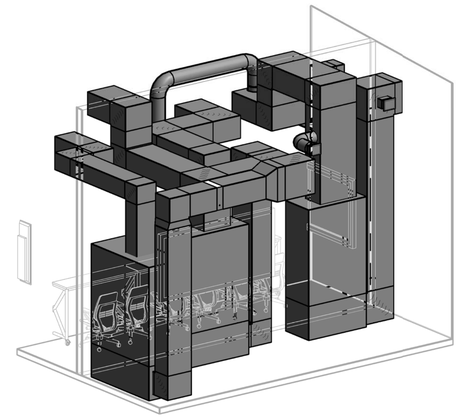


PLAN NORTH
1 M-101
1/8" = 1'-0"

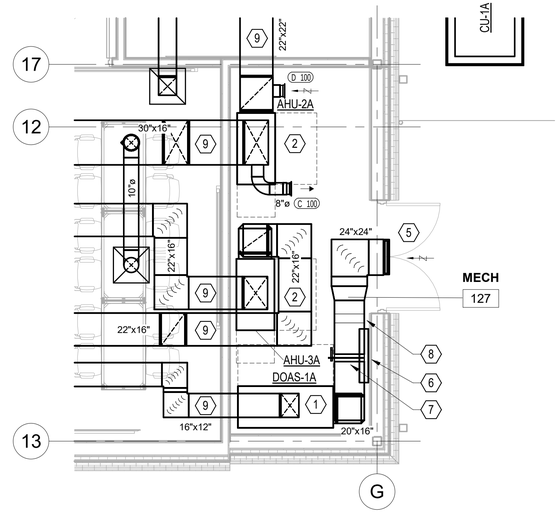
FLOOR PLAN - NEW WORK

SHEET NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW DOAS-1A. SEE SCHEDULES SHEET M-601 AND DETAILS SHEET M-502 FOR ADDITIONAL INFORMATION. MAINTAIN CLEARANCES SHOWN ON PLANS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL NEW AHU-2A AND AHU-3A. SEE SCHEDULES SHEET M-601 AND DETAILS SHEET M-502 FOR ADDITIONAL INFORMATION. MAINTAIN CLEARANCES SHOWN ON PLANS.
3. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CONDENSING UNITS. SEE SCHEDULES SHEET M-601 AND DETAILS SHEET M-501 FOR ADDITIONAL INFORMATION. MAINTAIN CLEARANCES SHOWN ON PLANS.
4. CONTRACTOR SHALL PROVIDE AND INSTALL NEW RELIEF AIR LOUVER WITH MINIMUM FREE AREA OF 0.85 SQ FT. APPROXIMATE LOUVER SIZE IS 18"X18". BASIS OF DESIGN: RUSKIN EME720. SEE DETAIL ON SHEET M-501 FOR ADDITIONAL INFORMATION ON EXTERIOR WALL SECURE PENETRATION DETAIL.
5. CONTRACTOR SHALL PROVIDE AND INSTALL NEW OUTSIDE AIR LOUVER WITH MINIMUM FREE AREA OF 1.73 SQ FT. APPROXIMATE LOUVER SIZE IS 24"X24". BASIS OF DESIGN: RUSKIN EME720. BOTTOM OF LOUVER SHALL BE INSTALLED A MINIMUM OF 10'-0" ABOVE FINISHED GRADE.
6. CONTRACTOR SHALL PROVIDE AND INSTALL NEW DDC PANEL IN NEW MECHANICAL ROOM. TIE INTO EXISTING BASE WIDE DDC IN EXISTING BUILDING WITHIN EXISTING MECHANICAL ROOM.
7. CONTRACTOR SHALL PROVIDE AND INSTALL NEW EXTRUDED ALUMINUM LOW LEAKAGE DAMPER. DAMPER SHALL AUTOMATICALLY CLOSE WITHIN 30 SECONDS OF EMERGENCY AIR DISTRIBUTION SHUTOFF SWITCH ACTIVATION. MAX LEAKAGE RATE OF 3 CFM/SQ FT.
8. CONTRACTOR SHALL PROVIDE AND INSTALL NEW INLINE FILTER MODULE WITHIN OUTSIDE AIR INTAKE DUCTWORK, UPSTREAM OF DOAS-1A. FILTER CLEARANCE IS NOT PROVIDED AT THE AHU, FOR DOAS-1A. FILTERS SHALL BE MAINTAINED UPSTREAM OF THE AHU. PROVIDE 2" MERV 13 FILTERS.
9. DUCTWORK PENETRATING SECURE WALL AT POINT INDICATED. REFER TO RF SHIELDING AND ARCHITECTURAL DRAWINGS FOR SECURE BOUNDARY LOCATIONS. REFER TO SHEET M-501 FOR SECURITY PENETRATION DETAILS.



2 M-101 3D MECHANICAL ROOM



PLAN NORTH
3 M-101
1/4" = 1'-0"

ENLARGED MECH ROOM PLAN - NEW WORK

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

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

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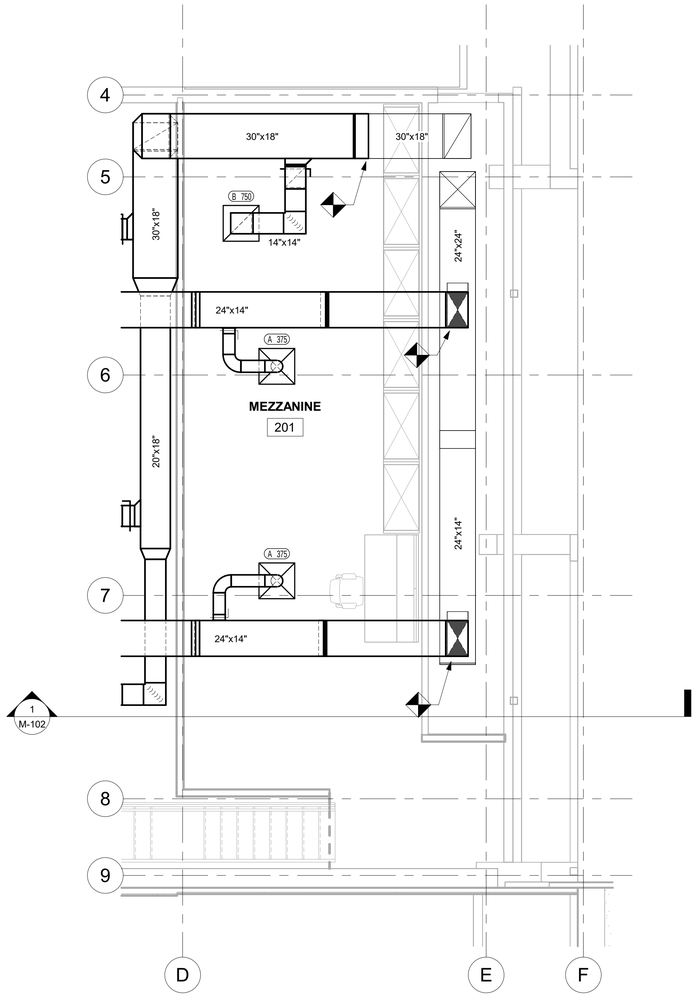
PENSACOLA, FL 32502
(850) 434-0513
PEI JOB #23083

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

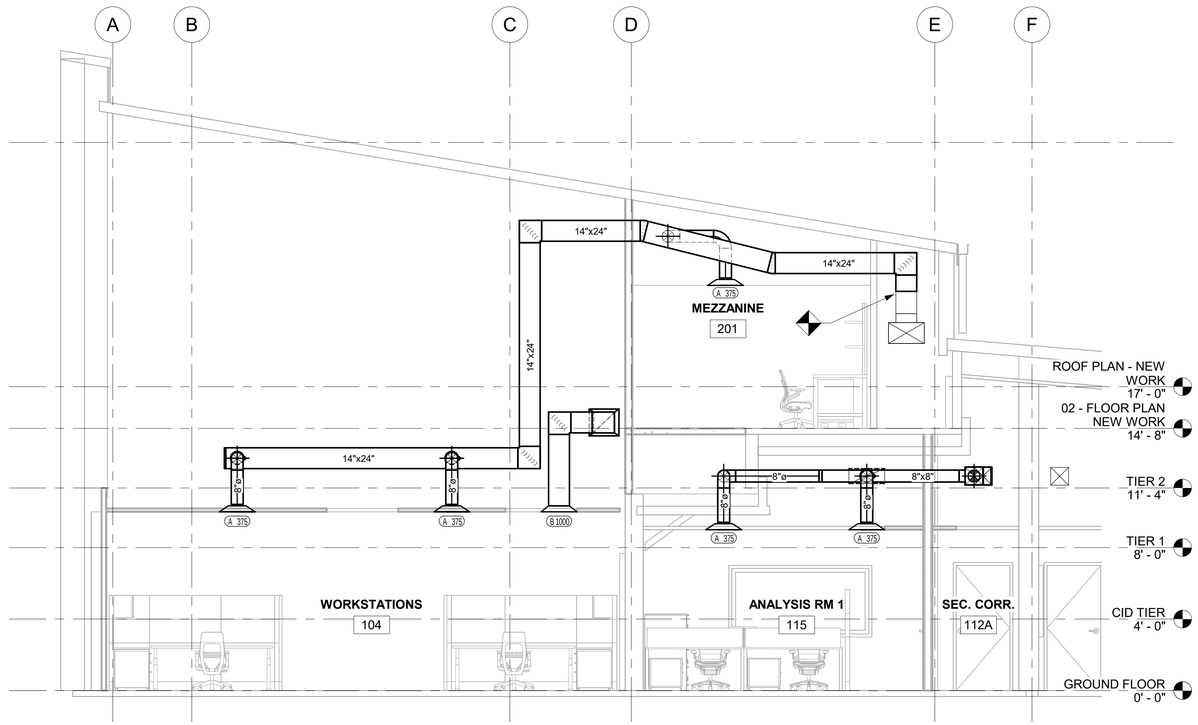
DATE / SIGNATURE	DRAWN BY: D. MARSHALL; PROJ. ENGR.: G. PETERSON	TITLE: ADDITION AND RENOVATION B521	
	APPROVED — FIRE PREVENTION		
	APPROVED — SAFETY REPRESENTATIVE		
	APPROVED — DIR. BASE MED. SERVICE		
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: FLOOR PLAN - NEW WORK	
APPROVED — ASUS	APPROVED — COMMUNICATIONS		
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96/CEG/CEN	DATE: 13 MAR 2024
INDEX NO. M-101	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



PLAN NORTH

2 M-102 MEZZANINE FLOOR PLAN - NEW WORK

1/4" = 1'-0"



1 M-102 MEZZANINE SECTION - NEW WORK

1/4" = 1'-0"

0 2' 4' 8'

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

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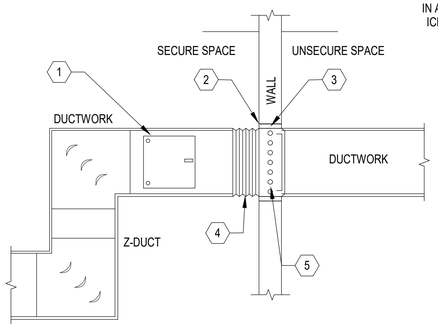
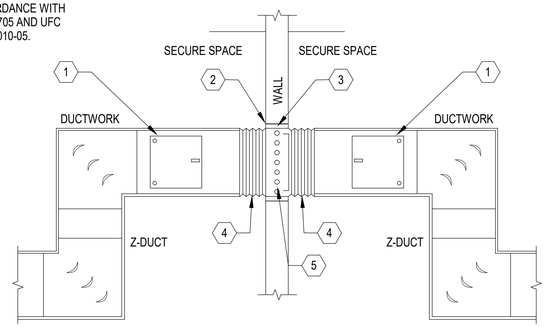
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: D. MARSHALL; PROJ. ENGR.: G. PETERSON	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: MEZZANINE PLAN - NEW WORK
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE: 13 MAR 2024
INDEX NO. M-102	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE: AS SHOWN
	SPEC. NO. 23AH; PROJ. NO. FTFA 23-MM06; DRAWING NO.; FILE NO.	SHEET OF

NOTE: ALL SECURE BOUNDARY PENETRATIONS SHALL BE IN ACCORDANCE WITH ICD/ICS 705 AND UFC 4-010-05.



UNSECURE TO SECURE BOUNDARY

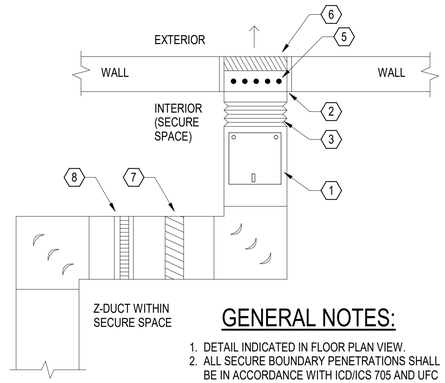


SECURE TO SECURE BOUNDARY

DUCT PENETRATION NOTES:

1. WHEN MAN BARS OR WAVEGUIDES ARE INSTALLED IN DUCT, ACCESS PANELS SHALL BE PROVIDED. ACCESS PANEL SHALL BE 16"x16" MIN. OR FULL SIZE OF DUCT IF DUCT IS SMALLER. ACCESS PANEL SHALL BE LOCATED ON THE BOTTOM OF THE DUCT PER UFC 4-010-05. IF THE AREA OUTSIDE THE SECURE AREA IS CONTROLLED (SECRET OR EQUIVALENT PROPRIETARY SPACE), THE INSPECTION PORT MAY BE INSTALLED OUTSIDE THE PERIMETER OF THE SECURE AREA, AND BE SECURED WITH AN AA APPROVED HIGH-SECURITY LOCK SUCH AS A GSA COMBINATION PADLOCK MEETING FEDERAL SPECIFICATION FF-P-110.
2. 10 GAUGE WALL SLEEVE
3. SEAL ANNULAR SPACE COMPLETELY WITH SEALANT THAT MAINTAINS STC CLASSIFICATIONS OF WALL AND IS FINISHED TO MATCH ADJACENT WALL, FLOOR, OR CEILING. LISTED FIRESTOP SYSTEMS SHALL BE PROVIDED IN FIRE RATED WALL ASSEMBLIES.
4. 6" MINIMUM NON-METALLIC FLEXIBLE CONNECTION
5. WAVEGUIDES (ONLY REQUIRED ON DUCT EXCEEDING 96 SQUARE INCHES.)

1 M-501 — SECURITY BOUNDARY DUCT PENETRATION DETAIL
NOT TO SCALE



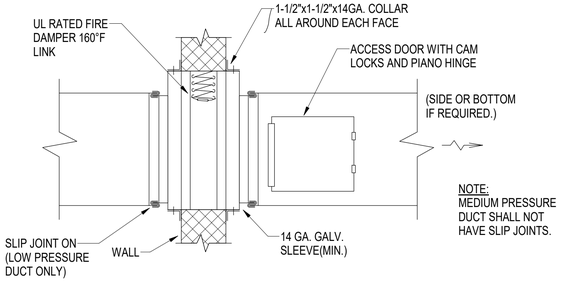
GENERAL NOTES:

1. DETAIL INDICATED IN FLOOR PLAN VIEW.
2. ALL SECURE BOUNDARY PENETRATIONS SHALL BE IN ACCORDANCE WITH ICD/ICS 705 AND UFC 4-010-05.

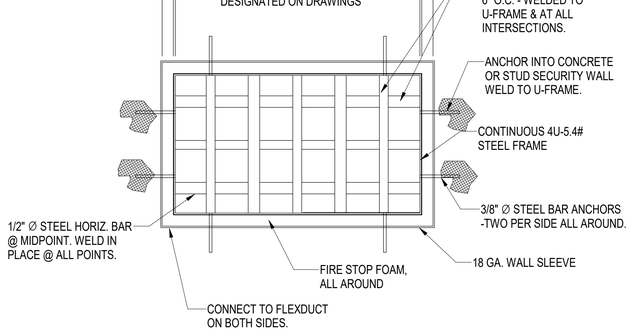
DUCT PENETRATION NOTES:

1. WHEN MAN BARS OR WAVEGUIDES ARE INSTALLED IN DUCT, ACCESS PANELS SHALL BE PROVIDED. ACCESS PANEL SHALL BE 16"x16" MIN. OR FULL SIZE OF DUCT IF DUCT IS SMALLER. ACCESS PANEL SHALL BE LOCATED ON THE BOTTOM OF THE DUCT PER UFC 4-010-05. IF THE AREA OUTSIDE THE SECURE AREA IS CONTROLLED (SECRET OR EQUIVALENT PROPRIETARY SPACE), THE INSPECTION PORT MAY BE INSTALLED OUTSIDE THE PERIMETER OF THE SECURE AREA, AND BE SECURED WITH AN AA APPROVED HIGH-SECURITY LOCK SUCH AS A GSA COMBINATION PADLOCK MEETING FEDERAL SPECIFICATION FF-P-110.
2. 10 GAUGE WALL SLEEVE.
3. SEAL ANNULAR SPACE COMPLETELY WITH SEALANT THAT MAINTAINS STC CLASSIFICATIONS OF WALL AND IS FINISHED TO MATCH ADJACENT WALL, FLOOR, OR CEILING. LISTED FIRESTOP SYSTEMS SHALL BE PROVIDED IN FIRE RATED WALL ASSEMBLIES.
4. 6" MINIMUM NON-METALLIC FLEXIBLE CONNECTION.
5. WAVEGUIDES (ONLY REQUIRED ON DUCT EXCEEDING 96 SQUARE INCHES.)
6. LOUVER, SEE NOTES ON FLOOR PLAN FOR ADDITIONAL INFORMATION.
7. ALUMINUM LOW LEAKAGE AUTOMATIC DAMPER. CONNECT TO EMERGENCY SHUT DOWN SWITCH.
8. ALUMINUM ADJUSTABLE WEIGHTED COUNTERBALANCE BACKDRAFT DAMPER

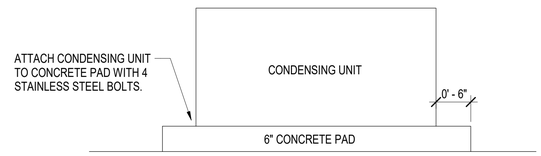
2 M-501 — EXTERIOR SECURE WALL PENETRATION DETAIL
12" = 1'-0"



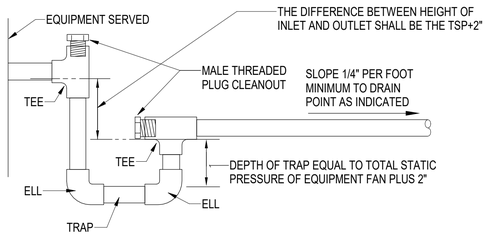
3 M-501 — WALL MOUNTED FIRE DAMPER DETAIL
NOT TO SCALE



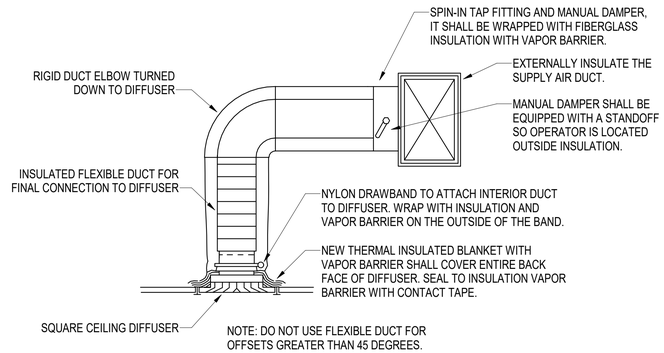
4 M-501 — SECURITY BARRIER IN RECTANGULAR OPENINGS DETAIL
NOT TO SCALE



5 M-501 — CONDENSING UNIT MOUNTING DETAIL
NOT TO SCALE



6 M-501 — TYPICAL DRAW THROUGH UNIT CONDENSATE DRAIN DETAIL
NOT TO SCALE



7 M-501 — TYPICAL DIFFUSER DETAIL
NOT TO SCALE

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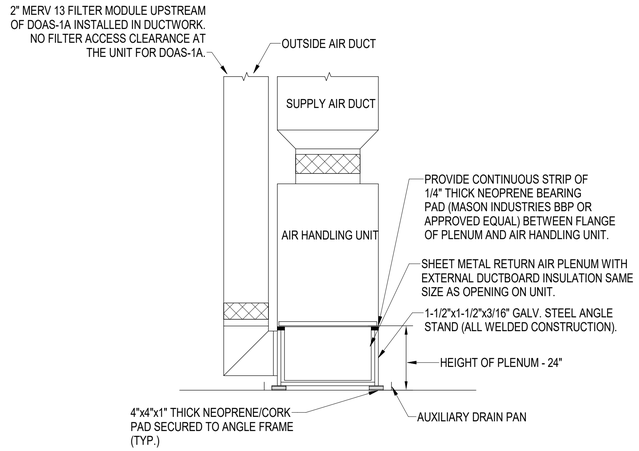
65% DESIGN SUBMITTAL

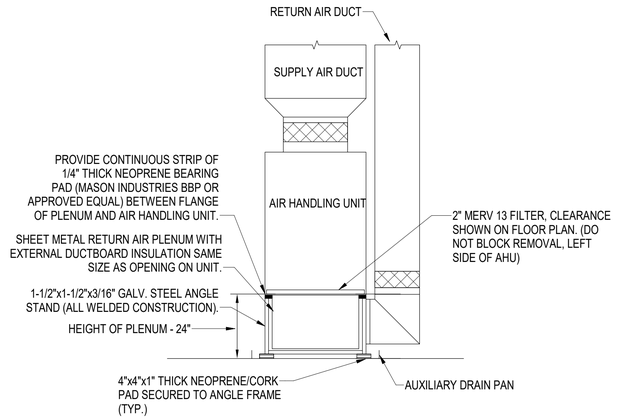
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY D. MARSHALL; PROJ. ENGR. G. PETERSON; APPROVED FIRE PREVENTION; APPROVED SAFETY REPRESENTATIVE; APPROVED DIR. BASE MED. SERVICE	TITLE	ADDITION AND RENOVATION B521
APPROVED SECURITY FORCES; APPROVED ASUS; APPROVED CHELCO	APPROVED USING AGENCY; APPROVED COMMUNICATIONS; APPROVED OPERATIONS ENGINEERING; APPROVED ENVIRONMENTAL	CONTENTS	MECHANICAL DETAILS
		APPROVED 96/CEG/CEN; APPROVED DEPUTY BASE CIVIL ENGINEER	DATE 13 MAR 2024
INDEX NO. M-501			SCALE AS SHOWN
SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO.	FILE NO. / SHEET OF



1 M-502 AHU STAND AND RETURN PLENUM DETAIL - DOAS-1A

12" = 1'-0"



2 M-502 AHU STAND AND RETURN PLENUM DETAIL - AHU-2A/3A

12" = 1'-0"

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65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: D. MARSHALL PROJ. ENGR.: G. PETERSON	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: MECHANICAL DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MAR 2024
INDEX NO.: M-502	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN
	SPEC. NO.: 23AH	PROJ. NO.: FTFA 23-MM06 — DRAWING NO. — FILE NO. — SHEET OF

DOAS DX AIR HANDLING UNIT SCHEDULE

MARK	LOCATION SERVED	TYPE	FAN DATA							DIRECT EXPANSION COOLING COIL DATA									HOT GAS REHEAT			AUXILLARY HEAT			FILTER DATA			MCA	MOCP	BASIS OF DESIGN	REMARKS
			TOTAL AIR (CFM)	OUTSIDE AIR (CFM)	EXTERNAL STATIC PRESSURE INCHES H_20	FAN MOTOR HORSEPOWER	ELECTRICAL			MAX. FACE VELOCITY (FPM)	TOT. COOLING CAPACITY (MBH)	SENSIBLE COOLING CAP. (MBH)	ROWS	FINS PER INCH	ENTERING AIR TEMP.		LEAVING AIR TEMP.		REFRIGERANT TYPE	CAPACITY	ENT. DRY BULB	LVG. DRY BULB	CAPACITY	DELTA T	CONTROL	MAXIMUM FACE VELOCITY (FPM)	TYPE	THICK				
							VOLTS	PHASE	HERTZ						°Fdb	°Fwb	°Fdb	°Fwb													
DOAS-1A	BLDG. 521 ADDITION	SZ-VAV VDT	1035	1035	1.0	1	480	3	60	120	111.4	49.3	4	14	91	80	49.9	48.7	410A	22.5 MBH	49.9 °F	70.0 °F	25 KW	75°F	SCR	120	MERV 13	2"	42	45	TRANE TWE	SEE NOTES BELOW

DIRECT EXPANSION AIR HANDLER NOTES:
VDT - VERTICAL DRAW THRU
HDT - HORIZONTAL DRAW THRU
SZVAV - SINGLE ZONE VARIABLE AIR VOLUME

1. MANUFACTURER SHALL ALLOW A MINIMUM OF .6" EXTRA STATIC FOR DIRTY FILTERS.
2. EXTERNAL STATIC DOES NOT INCLUDE PRESSURE DROP THROUGH CASING COILS, FILTERS, AND FILTER HOUSINGS.
3. PIPE ALL CONDENSATE FROM UNITS TO DRAIN WITH TRAP.
4. WALL AND CEILING INSULATION SHALL BE 2" THICK PRESSURE LAMINATED FOAM, R-12 OR BETTER.
5. PROVIDE EXTENDED LUBE LINES TO OUTSIDE OF UNIT CASING ON THE SIDE WHICH IS ACCESSIBLE FOR SERVICING ON ALL UNITS, IF AVAILABLE.
6. ADJUST LOCATION OF UNITS IN MECHANICAL ROOM AS REQUIRED FOR SERVICE AS RECOMMENDED BY THE MANUFACTURER.
7. ALL DIRECT EXPANSION COILS SHALL BE PROVIDED A FACTORY CORROSION RESISTANT COATING DESIGNED FOR THE LIFE CYCLE OF THE COILS.
8. ALL INDOOR, FLOOR-MOUNTED EQUIPMENT SHALL BE INSTALLED WITH VIBRATION ISOLATORS.
9. VFD TO BE UNIT MOUNTED, INTEGRAL TO UNIT CONTROLS.
10. UNIT FILTER CLEARANCE IS NOT PROVIDED FOR THIS UNIT. PROVIDE FILTERS UPSTREAM OF THE UNIT WITHIN THE INTAKE DUCTWORK. SEE SHEET M-101 ENLARGED PLAN.
11. DOAS-1A SHALL BE SINGLE POINT POWER FOR SUPPLY AIR FAN MOTOR, CONTROLS, AND ELECTRICAL HEATER.

AIR DISTRIBUTION SCHEDULE

MARK	CFM	NECK SIZE	FACE SIZE LENGTH	DESCRIPTION
A	000-100 101-225 226-300 301-400 401-500	6"ø 8"ø 10"ø 12"ø 14"ø	24x24 (TYP)	SUPPLY DIFFUSER BASIS OF DESIGN: TITUS OMNI AA COLOR: WHITE MATERIAL: ALUMINUM OPPOSED BLADE DAMPERS: NO
B	000-110 111-220 221-350 351-530 531-730 731-970 971-1240 1241-1540 1541-1880	6x6 8x8 10x10 12x12 14x14 16x16 18x18 20x20 22x22	24x24 (TYP)	RETURN / EXHAUST GRILLE BASIS OF DESIGN: TITUS 50F COLOR: WHITE MATERIAL: ALUMINUM OPPOSED BLADE DAMPERS: NO 1/2"x1/2"x1/2" GRID
C	000-160 161-250 251-330 331-500 501-890	6x6 8x6 12x6 18x6 18x10		SUPPLY SIDEWALL DIFFUSER BASIS OF DESIGN: TITUS 300 FL COLOR: WHITE MATERIAL: EXTRUDED ALUMINUM OPPOSED BLADE DAMPERS: NO
D	000-160 161-250 251-330 331-500 501-890	6x6 8x6 12x6 18x6 18x10		RETURN SIDEWALL DIFFUSER BASIS OF DESIGN: TITUS 350 FL COLOR: WHITE MATERIAL: EXTRUDED ALUMINUM OPPOSED BLADE DAMPERS: NO

DOAS AIR COOLED CONDENSING UNIT SCHEDULE

MARK	NOMINAL CAPACITY MBTU/HR	DESIGN AMBIENT TEMP. °Fdb	LOW AMBIENT TEMP. °Fdb	REFRIGERANT TYPE	COMPRESSOR		FANS		ELECTRICAL DATA					BASIS OF DESIGN
					QTY	RLA (EACH)	QTY	FLA (EACH)	VOLTS	PHASE	HERTZ	MCA	MOP	
CU-1A	111.0	95°	32°	410A	2	7.6	2	2.2	480	3	60	19	25	TRANE TTA120

NOTES:
1. LOW AMBIENT OPERATION DOWN TO 20°F.
2. CONDENSER COILS SHALL BE OF COPPER TUBE AND COPPER FIN IN CONSTRUCTION.
3. COILS, MOTORS, COMPRESSORS, AND INTERCONNECTING PIPING SHALL BE COATED FOR A CORROSIVE ENVIRONMENT, AND DESIGNED FOR THE LIFE OF THE UNIT.
4. UNIT SHALL BE MOUNTED ON CONCRETE EQUIPMENT PAD USING STAINLESS STEEL HARDWARE AND FASTENERS.
5. PROVIDE 24V DAY CONTACTS FOR CONTROL INTERFACE.

AIR HANDLING UNIT SCHEDULE

MARK	BASIS OF DESIGN	AIR DATA			COOLING DESIGN CONDITIONS			HEATING DESIGN CONDITIONS			AUXILIARY HEAT			ELECTRICAL				
		AIRFLOW CFM	OA CFM	E.S.P. IN H_2O	GROSS TOTAL CAPACITY	COIL ENT. DB °F	COIL ENT. WB °F	GROSS CAPACITY	COIL ENT. DB °F	LEAVING AIR TEMP	GROSS CAPACITY	DELTA T	CONTROL	VOLTS	PHASE	Hz	MCA	MOP
AHU-2A	TRANE TWE	3500	0	1.0	91.6 MBTU/HR	74	62	23.4 KW	68	93°F	15 KW	14°F	3 STAGE	480	3	60	27	30
AHU-3A	TRANE TWE	2500	0	1.2	73.2 MBTU/HR	74	62	18.8 KW	68	96°F	15 KW	18°F	3 STAGE	480	3	60	27	30

NOTES
1. ADJUST LOCATION OF UNITS AS REQUIRED FOR SERVICE AS RECOMMENDED BY MANUFACTURER.
2. AMBEINT TEMP: 95°F SUMMER, 47°F WINTER
3. VFD TO BE UNIT MOUNTED, INTEGRAL TO UNIT CONTROLS. TYPICAL FOR EACH UNIT.
4. AHU-2A AND AHU-3A SHALL BE SINGLE POINT POWER FOR SUPPLY AIR FAN MOTOR, ELECTRIC HEATER, AND CONTROLS.

HEAT PUMP CONDENSING UNIT SCHEDULE

MARK	BOD	DESIGN COOLING		DESIGN HEATING		REF TYPE	COMPRESSORS	FANS	ELECTRICAL				
		TOTAL MBTU/HR	AMBIENT °F	TOTAL MBTU/HR	AMBIENT °F		NO.	NO.	VOLTS	PHASE	Hz	MCA	MOP
CU-2A	TRANE TWA	90	95	90	30	410A	2	2	480	3	60	15	20
CU-3A	TRANE TWA	72	95	72	30	410A	2	2	480	3	60	14	15

NOTES:
1. LOW AMBIENT OPERATION DOWN TO 20°F.
2. CONDENSER COILS SHALL BE OF COPPER TUBE AND COPPER FIN IN CONSTRUCTION.
3. COILS, MOTORS, COMPRESSORS, AND INTERCONNECTING PIPING SHALL BE COATED FOR A CORROSIVE ENVIRONMENT, AND DESIGNED FOR THE LIFE OF THE UNIT.
4. UNITS SHALL BE MOUNTED ON CONCRETE EQUIPMENT PAD USING STAINLESS STEEL HARDWARE AND FASTENERS.
5. PROVIDE 24V DAY CONTACTS FOR CONTROL INTERFACE.

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PEI JOB #23083

65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY D. MARSHALL
PROJ. ENGR. G. PETERSON
DATE
SIGNATURE
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED SECURITY FORCES
APPROVED USING AGENCY
APPROVED ASUS
APPROVED COMMUNICATIONS
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER

TITLE: ADDITION AND RENOVATION B521

CONTENTS: MECHANICAL SCHEDULES

DATE: 13 MAR 2024
SCALE: AS SHOWN
INDEX NO.: M-601
SPEC. NO.: 23AH
PROJ. NO.: FTFA 23-MM06
DRAWING NO.:
FILE NO.:
SHEET OF

GENERAL HVAC CONTROL NOTES

GENERAL

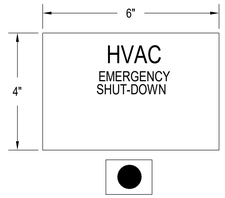
1. THE CONTRACTOR SHALL PROVIDE A COMPLETE DDC SYSTEM FOR THE NEW BUILDING ADDITION TO PERFORM THE INDICATED SEQUENCES. ALL OTHER FUNCTIONS REQUIRED BY THE CONTRACT DOCUMENTS, AND ALL OTHER FUNCTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM. THE DDC SYSTEM SHALL EASILY CONTRACT DOCUMENTS, AND ALL OTHER FUNCTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM. THE DDC SYSTEM SHALL EASILY COMMUNICATE ALL POINTS AND FUNCTIONS BACK TO THE EXISTING DDC SYSTEM IN BUILDING 521. ALL NEW GRAPHICS AND INTERFACES SHALL BE INSTALLED ON EXISTING BASEWIDE DDC CONTROLS COMPUTER. SEE SHEET M-101 FOR EXISTING AND NEW DDC PANEL LOCATIONS.
2. THE CONTROLS CONTRACTOR SHALL COORDINATE ALL ELECTRICAL POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
3. ALL EXPOSED WIRING SHALL BE IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH COMMUNICATION SPECIFICATIONS AND DRAWINGS, REQUIREMENTS FOR 120 VAC CIRCUITS. CONDUIT SHALL BE RUN PERPENDICULAR AND PARALLEL TO BUILDING LINES IN A NEAT AND CLEAN ORDER.
4. CONTROL WIRE LOCATED IN CONCEALED LOCATIONS SHALL BE PLENUM RATED WIRE. SUPPORT EVERY FOUR (4) FEET WITH CABLE HANGERS.
5. COORDINATED COLOR AND FINISH OF ALL WALL MOUNTED DEVICES, SUCH AS THERMOSTATS, HUMIDISTAT, CO_2 SENSORS, AND LIGHT SWITCHES WITH ARCHITECT AND ELECTRICAL. ALL DEVICES SHALL BE THE SAME COLOR AND FINISH. ALL DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT.
6. VARIABLE FREQUENCY DRIVES (VFD) SHALL BE SUPPLIED BY THE CONTROLS CONTRACTOR AND SHALL BE COMPATIBLE WITH THE NEW CONTROLS SYSTEM. NEW VFD SHALL BE 10% GREATER IN CAPACITY AND CONTAIN BYPASS FUNCTIONALITY.
7. CONTROL SET POINTS SHALL BE ADJUSTABLE OVER THE RANGE OF THE SENSED MEDIA. MEANS OF ADJUSTMENT AND CURRENT SETPOINT SHALL BE IDENTIFIED. DDC SET POINTS SHALL BE PROGRAMMED AS VARIABLES, EXPRESSED IN THE APPROPRIATE ENGINEERING UNITS, WHICH CAN BE ADJUSTED THROUGH THE DIGITAL DISPLAY UNIT OR FROM A CENTRAL STATION WITHOUT REQUIRING MODIFICATION OR RELOADING OF THE DDC CONTROL PROGRAMS.
8. ALL DDC PANELS SHALL COMMUNICATE BETWEEN EACH OTHER.

START/STOP

1. AIR HANDLING UNIT (AHU) OPERATION SHALL BE ENABLED/DISABLED THROUGH A "HAND-OFF-AUTO" (OR HOA) CONTROLS DIGITALLY SELECTED ON THE VARIABLE FREQUENCY DRIVE (VFD) KEYPAD. AN ALARM SHALL BE POSTED TO THE DDC SYSTEM ANYTIME THE HOA SWITCH IS PLACE IN THE 'HAND' OR 'OFF' POSITIONS.
2. IN 'AUTO' MODE, THE AHU FAN STATUS SHALL BE PROVED THROUGH A CURRENT SENSING RELAY (PROVIDE CURRENT SENSING RELAY FOR EACH FAN OR REUSE STARTER CT) AND REPORT TO THE DDC SYSTEM. IF ANY FAN DOES NOT START WHEN COMMANDED ONLINE BY THE BAS OR STAYS RUNNING WHEN COMMANDED OFF, AN ALARM SHALL BE POSTED TO THE DDC WORKSTATION.
3. IN THE "AUTO" POSITION, THE SYSTEM SHALL BE PLACED INTO OPERATION BY A SEVEN DAY PROGRAMMABLE TIME CLOCK WITH 24 HOUR BATTERY BACK-UP IN CASE OF POWER FAILURE. WHEN THE FAN STARTS, CONTROLS SHALL BE ENERGIZED SUBJECT TO A FIRE ALARM RELAY.
4. VARIABLE SPEED CONTROLS SHALL START AT LOW SPEED.
5. UPON POWER FAILURE AND RESTORATION, SYSTEMS SHALL AUTOMATICALLY RESTART AND RETURN TO THEIR NORMAL MODE OF OPERATION.

SAFETY INTERLOCKS

1. HAND-OFF-AUTOMATIC SWITCHES:
   - 1.1. SAFETY DEVICES SHALL BE INTERLOCKED WITH BOTH HAND AND AUTOMATION POSITIONS IN SERIES WITH MOTOR CONTROLLERS.
   - 1.2. INTERLOCKING WITH OTHER FANS AND EQUIPMENT OF THE SYSTEM SHALL BE THROUGH AUTOMATIC ONLY.
   - 1.3. REMOTE CONTROL FROM THE DDC SYSTEM SHALL BE THROUGH THE AUTOMATIC POSITION ONLY.
   - 1.4. HAND POSITION SHALL BE FOR MAINTENANCE ONLY.
   - 1.5. OPERATION REQUIRED FOR RESPONSE TO THE FIRE ALARM SYSTEM RELAYS AND EMERGENCY FAN SHUTDOWN STATIONS SHALL BE THROUGH BOTH HAND AND AUTOMATIC POSITIONS.
2. CONTROLS SHALL FAIL AS SPECIFIED HEREIN OR TO MINIMIZE THE POSSIBILITY OF DAMAGE.
3. THERE SHALL BE A MANUAL RESET SMOKE DETECTOR PLACED IN THE SUPPLY AIR DUCTWORK. WHEN THE SMOKE DETECTOR SENSES SMOKE, THE SUPPLY AIR FAN SHALL BE COMMANDED OFF. THE SMOKE DETECTOR SHALL BE WIRED DIRECTLY TO THE SUPPLY FAN VFD PANEL TO SHUT THE SUPPLY FAN DOWN. A BAS ALARM SHALL BE GENERATED WHENEVER A SMOKE CONDITION IS SENSED.
4. THE BAS SHALL MONITOR THE OUTSIDE AIR QUANTITY WITH AN AIR FLOW MEASURING STATION. THE OUTSIDE AIR VOLUME SHALL BE CONSTANT VOLUME.

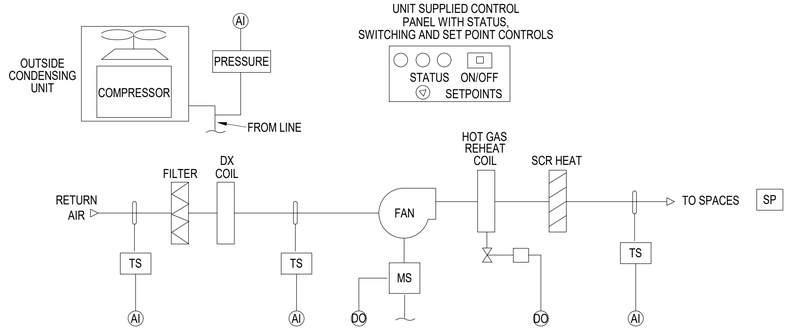


EMERGENCY SHUT-DOWN SWITCH

EMERGENCY SHUTDOWN SWITCH SHALL BE A MUSHROOM OR PUSH BUTTON STYLE, RED IN COLOR, LOCATED IN A WALL-MOUNT BOX WITH CLEAR LEXAN NON-LOCKING COVER. UPON ACTIVATION, THE SWITCH SHALL SHUT-DOWN ALL AHU FAN MOTORS, EXHAUST FANS, AND ALL OUTSIDE AIR DAMPERS. THE SWITCH SHALL BE MANUALLY RESETTABLE. CONTRACTOR SHALL PROVIDE AND MOUNT A SIGN NEXT TO THE SWITCH THE READS "HVAC EMERGENCY SHUT DOWN SWITCH". SIGN SHALL BE A MINIMUM 6"x4".

THE CONTROLS CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM CONTRACTOR TO INSURE THE EMERGENCY HVAC SHUT DOWN SWITCH IS INCLUDED IN THE LOC. THE CONTROLS CONTRACTOR SHALL INSURE THE SIGNAL FROM THIS SWITCH SHUTS DOWN ALL AIR HANDLERS, SUPPLY FANS, EXHAUST FANS, CHILLERS, BOILERS, AND PUMPS. THE SIGNAL SHALL ALSO CLOSE ALL INTAKE AND EXHAUST LOUVERS IN THE FACILITY. THE CONTROLS CONTRACTOR SHALL PROVIDE THE CONDUIT AND WIRING FROM THE SWITCH TO THE HVAC CONTROL PANEL. THE DDC CONTROLS SHALL BE CONFIGURED AND PROGRAMMED TO SHUT THIS EQUIPMENT DOWN WHEN THE SWITCH IS PRESSED. THE STANDARD AUTOMATIC OPERATION OF ALL THE HVAC EQUIPMENT SHALL BE SET UP TO BE MANUALLY RE-STARTED AT THE HVAC CONTROL PANEL AFTER THE EMERGENCY IS OVER.

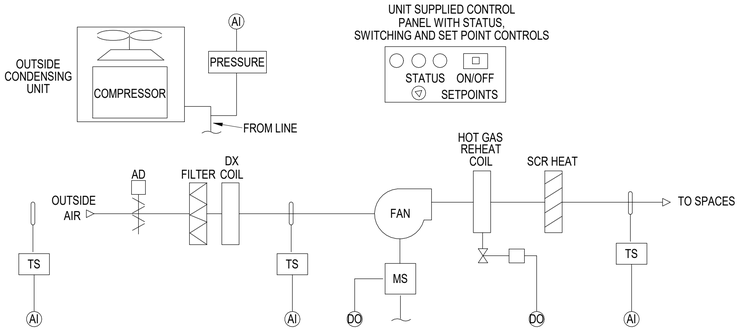
SEE SHEETS M-101 FOR EMERGENCY SHUTDOWN SWITCH LOCATIONS. LOCATIONS ARE NOTED ON DRAWINGS AS ESDS.



AHU-2A/3A AIR HANDLING UNIT CONTROL DIAGRAM

SEQUENCE OF OPERATION:

1. THE UNIT SHALL COME AS A COMPLETE PACKAGE WITH UNIT MANUFACTURED CONTROLS AND SAFETIES.
2. THE FAN SHALL BE STARTED BY THE UNIT. THE UNIT SHALL BE SUBJECT TO ITS FACTORY SAFETIES AND INTERLOCKS.
3. WHEN RETURN AIR TEMPERATURE RISES ABOVE TEMPERATURE SENSOR COOLING SET POINT THE CONTROLLER SHALL ACTIVATE THE REVERSING VALVE AND CYCLE ONE OR TWO STAGES OF DX COOLING AS NEEDED TO SATISFY SPACE COOLING REQUIREMENTS.
4. WHEN RETURN AIR TEMPERATURE FALLS BELOW TEMPERATURE SENSOR HEATING SET POINT THE CONTROLLER SHALL DEACTIVATE THE REVERSING VALVE AND CYCLE ONE OR TWO STAGES OF COMPRESSOR HEAT AS NEEDED TO SATISFY SPACE HEATING REQUIREMENTS.
5. IF COMPRESSOR HEAT IS INSUFFICIENT TO SATISFY SPACE HEATING DEMAND THE CONTROLLER SHALL CYCLE THE ELECTRIC AUXILLARY HEAT ON TO SATISFY SPACE HEATING REQUIREMENTS.
6. WHEN THE OUTDOOR UNIT DEFROST CIRCUIT IS ACTIVATED THE CONTROLLER SHALL CYCLE THE AUXILLARY HEAT AS NEEDED TO PREVENT OVERCOOLING THE SPACE.



DOAS (DEDICATED OUTSIDE AIR SYSTEM) AIR HANDLING UNIT CONTROL DIAGRAM

SEQUENCE OF OPERATION:

1. THE OUTSIDE AIR UNIT SHALL OPERATE 24 HOURS A DAY, 7 DAYS A WEEK.
2. WHEN THE OUTSIDE AIR TEMPERATURE FALLS BELOW THE SETPOINT 55°F (ADJ), THE OUTSIDE AIR UNIT SHALL LOCK OUT THE COMPRESSOR.
3. THE UNIT SHALL CONTROL DISCHARGE AIR TEMPERATURE TO 51°F (ADJ.) THEN REHEAT TO 70°F (ADJ.) SETPOINT. THE UNIT SHALL USE HOT GAS REHEAT TO MAINTAIN DISCHARGE TEMPERATURE SETPOINT. IF HOT GAS REHEAT DOES NOT MAINTAIN DESIRED TEMPERATURE, THE CONTROLLER SHALL MODULATE THE SCR HEAT ON UNTIL TEMPERATURE IS MET.
4. THE UNIT SHALL BE SUPPLIED WITH CONTROL PANEL WITH STATUS, SWITCHING AND SETPOINT CONTROLS.

PETERSON ENGINEERING INC.
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75 SOUTH F ST.
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65% DESIGN SUBMITTAL

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY D. MARSHALL	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. G. PETERSON	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: MECHANICAL CONTROLS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MAR 2024
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SPEC. NO. 23AH	PROJ. NO. FTFA 23-MM06	DRAWING NO. — FILE NO. — SHEET 0F

ELECTRICAL GENERAL NOTES:

1. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, DISCONNECTS, ETC SHALL HAVE CUSTOM ENGRAVED NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
2. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE GOVERNMENT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
3. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
4. FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
5. COMPLY WITH ALL CODES, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE NATIONAL ELECTRIC CODE, NFPA, AND UFC PUBLICATIONS. OBTAIN ALL PERMITS REQUIRED BY THE GOVERNMENT.
6. THE GENERAL CONTRACTOR SHALL NOTIFY THE GOVERNMENT IMMEDIATELY OF ANY CONFLICTS/DISCREPANCIES BETWEEN DISCIPLINES BEFORE ORDERING EQUIPMENT/MATERIALS.
7. ALL CONDUCTORS INDICATED ON PLAN SHALL BE COPPER.
8. ALL ELECTRICAL WORK AND MATERIALS USED IN THIS PROJECT SHALL BE NEW, UNDERWRITERS' LABORATORIES (UL) LISTED AND LABELED, AND SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
9. CONDUIT ROUTINGS AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED. CONDUIT ROUTINGS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING LINES.
10. THE CONDUIT SYSTEMS UTILIZED SHALL BE AS FOLLOWS:
    - A. BELOW GRADE - PVC SCHEDULE 40.
    - B. TRANSITIONS FROM BELOW GRADE (WHICH SHALL INCLUDE A 'RSC' FACTORY 90 DEGREE ELBOW) TO ABOVE GRADE AND/OR THRU SLAB - RIGID GALVANIZED STEEL (RFS).
    - C. INTERIOR OF BUILDING CONDUITS LESS THAN 2: IN DIAMETER (ID) - ELECTRIC METALLIC TUBING (EMT) UNLESS NOTED OTHERWISE.
    - D. INTERIOR OF BUILDING CONDUITS 2" IN DIAMETER (ID) OR GREATER - RIGID STEEL CONDUIT (RSC) UNLESS NOTED OTHERWISE.
    - E. EXTERIOR OF BUILDING EXPOSED ABOVE FINISHED GRADE - RIGID STEEL CONDUIT (RSC) UNLESS NOTED OTHERWISE.
    - F. FINAL 36" OF CONDUIT CONNECTED TO MOTORS AND DRY TYPE TRANSFORMERS - LIQUID TIGHT FLEXIBLE CONDUIT (LFMC).
    - G. 400 HZ CIRCUITS SHALL BE INSTALLED IN ALUMINUM CONDUIT.
11. ALL NEW CONDUITS RUN UNDERGROUND SHALL HAVE A MINIMUM BURIAL DEPTH OF 36" UNLESS NOTED OTHERWISE.
12. NEW CONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE.
13. PAINT ALL NEW EXPOSED SURFACE RUN CONDUITS TO MATCH COLOR OF SURFACE UPON WHICH THEY ARE PLACED.
14. PROVIDE A NEW TYPED PANELBOARD DIRECTORY FOR ALL NEW ELECTRICAL PANELBOARDS. MOUNT IN HOLDER BEHIND A TRANSPARENT PROTECTIVE COVERING. PANELBOARD DIRECTORIES SHALL INDICATE SOURCE OF FEEDER TO PANELBOARD (IE PANEL 'DP' FED FROM PANEL 'MDP'). HANDWRITTEN PANELBOARD DIRECTORIES IS UNACCEPTABLE. MARK ALL RECEPTACLES, LIGHTS, AND EMERGENCY EQUIPMENT WITH PANEL AND BREAKER #.
15. COORDINATE LOCATIONS OF ALL NEW ELECTRCAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC. WITH ARCHITECTURAL PLANS, ELEVATIONS AND REFLECTIVE CEILING PLANS PRIOR TO ROUGH-IN WORK.
16. WHERE CONFLICTS OCCUR ON ELECTRICAL DRAWINGS BETWEEN DRAWINGS, SPECIFICATIONS AND CODES, THE MOST STRINGENT REQUIREMENT THAT APPLIES SHALL BE ADHERED TO.
17. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL IMMEDIATELY NOTIFY THE GOVERNMENT INSPECTOR OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST AND SHALL PERFORM THE WORK AS SHOWN AND SPECIFIED.
18. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION AND SIZE OF EQUIPMENT WHICH ARE PROVIDED BY OTHERS AND CONNECTED BY ELECTRICAL.
19. PROVIDE A 6'-0" MAXIMUM FLEXIBLE CONNECTION FROM EACH RECESSED LIGHTING FIXTURE TO NEW OUTLET BOX ABOVE CEILING.
20. ALL NEW OUTLET BOXES FOR MOUNTING LIGHTING FIXTURES SHALL BE MINIMUM 4" SQUARE OR OCTAGONAL X 1 1/2" DEEP UNO.
21. BUSBARS ARE TO BE PROVIDED FOR ALL POLES INDICATED ON PANEL SCHEDULE, REGARDLESS OF WHETHER POLES ARE SHOWN WITH CIRCUIT BREAKERS OR 'SPACE ONLY".
22. ALL NEW PANELBOARDS AND SAFETY SWITCH DISCONNECTS SHALL BE FURNISHED WITH LAMINATED PLASTIC NAMEPLATES. NAMEPLATES SHALL BE MELAMINE PLASITC .125" THICK, WHITE WITH BLACK CENTER CORE. SURFACE SHALL BE MATTE FINISHED. CORNERS SHALL BE SQUARE. ACCURATELY ALIGN LETTERING AND ENGRAVE INTO THE CORE. MINIMUM SIZE OF NAMEPLATES SHALL BE 1" X 2 1/2". LETTERING SHALL BE A MINIMUM OF .25" HIGH, NORMAL BLOCK STYLE. FASTEN NAMEPLATES WITH A MINIMUM OF TWO SHEET METAL SCREWS OR TWO RIVETS, PER NAMEPLATE.
23. WORKING SPACE OF 36" FOR 208/120 VOLT SYSTEMS SHALL BE MAINTAINED IN FRONT OF ALL ELECTRICAL PANELS AND DEVICES.
24. SAFETY SWITCH DISCONNECTS SHALL BE MOUNTED AT 48" AFF TO CENTER AND SHALL HAVE 3'-0" MIN. OF WORKING SPACE IN FRONT OF DISCONNECT; COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT LOCATIONS.
25. FINAL CONDUIT CONNECTIONS TO HEAT PUMPS, AIR HANDLERS, EXHAUST FANS, AND ELECTRIC WATER HEATERS SHALL BE LIQUID TIGHT FLEXIBLE METAL.
26. ALL NEW PANELBOARDS, MAIN BREAKER WHERE STIPULATED, SHALL NOT BE ALLOWED IN BRANCH BREAKER SPACES. MAIN BREAKER ONLY WILL ONLY BE PERMITTED ABOVE OR BELOW THE BRANCH BREAKER AREA.
27. ALL DEVICE COLORS SHALL BE SELECTED BY THE USER AND GOVERNMENT PRIOR TO ORDERING MATERIALS.
28. USE OF SERIES RATED CIRCUIT BREAKERS IS NOT ALLOWED.
29. USE OF PLUG-IN BREAKERS IS NOT ALLOWED.
30. ALL NEW PANELBOARDS SHALL BE FURNISHED WITH DOOR-IN-DOOR OR HINGED FRONT COVER TYPE CONSTRUCTION.
31. FURNISH 1/4" NYLON PULL ROPE IN ALL EMPTY CONDUITS FOR PULLING OF CONDUCTORS/CABLES.
32. PROVIDE RIGID PLASTIC INSULATED BUSHING ON END OF ALL TELECOMMUNICATIONS AND LOW VOLTAGE CONDUIT STUBS.
33. NEW WALL OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.
34. INSTALLATION SHALL ADHERE TO ICD/ICS 705.

ELECTRICAL LEGEND

CEILING OUTLETS

- RECESSED 2' X 4' LED FIXTURE
- RECESSED 2' X 4' LED FIXTURE WITH EMERGENCY BATTERY PACK
- 6" ROUND, RECESSED DOWNLIGHT
- PENDANT MOUNTED 4' LED FIXTURE
- PENDANT MOUNTED 4' LED FIXTURE WITH EMERGENCY BATTERY PACK
- RECESSED 2' X 2' LED FIXTURE
- RECESSED 2' X 2' LED FIXTUREWITH EMERGENCY BATTERY PACK
- (J) JUNCTION BOX
- ⊗ CEILING MOUNTED EXIT LIGHT
- (BL) ROTATING BEACON TYPE BLUE LIGHT; STROBE TYPES ARE NOT ACCEPTABLE

WALL OUTLETS

- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER TO C/L
- WALL MOUNTED EXTERIOR LED LIGHT FIXTURE

MOTION SENSORS (INSTALL PER MANUFACTURERS RECOMMENDATIONS)

- [OS] 48" AFF TO C/L; WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
- (OS) LOW VOLTAGE INTELLIGENT DIGITAL OCCUPANCY SENSOR; DUAL TECHNOLOGY,

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- $ A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- $3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- $M MOTOR RATED TOGGLE SWITCH, 20 AMP SPEC GRADE, SINGLE POLE, RATED TO ONE HORSEPOWER.
- $LV LOW VOLTAGE SWITCH WITH ON/OFF/50% PRESET BUTTONS
- $D LOW VOLTAGE SWITCH WITH CONTINUOUS DIMMING 1-100%

PANELS AND POWER

- 60HZ PANELBOARD
- NON-FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR
- RUN CONCEALED IN CEILING OR WALLS
- LA-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 1/2" C; —//— 3 #12, 1 #12 GROUND - 1/2" C; —///— 4 #12, 1 #12 GROUND - 1/2" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPINDICULAR TO BUILDING LINES

MISCELLANEOUS

WP	WEATHERPROOF
U.N.O.	UNLESS NOTED OTHERWISE
G	GROUND FAULT CIRCUIT INTERRUPTER
C	CONDUIT
A	AMPS
W	WIRE
GND	GROUND
MB	MAIN BREAKER
P	POLE
UNV	UNIVERSAL
A.F.F.	ABOVE FINISH FLOOR
C/L	CENTERLINE

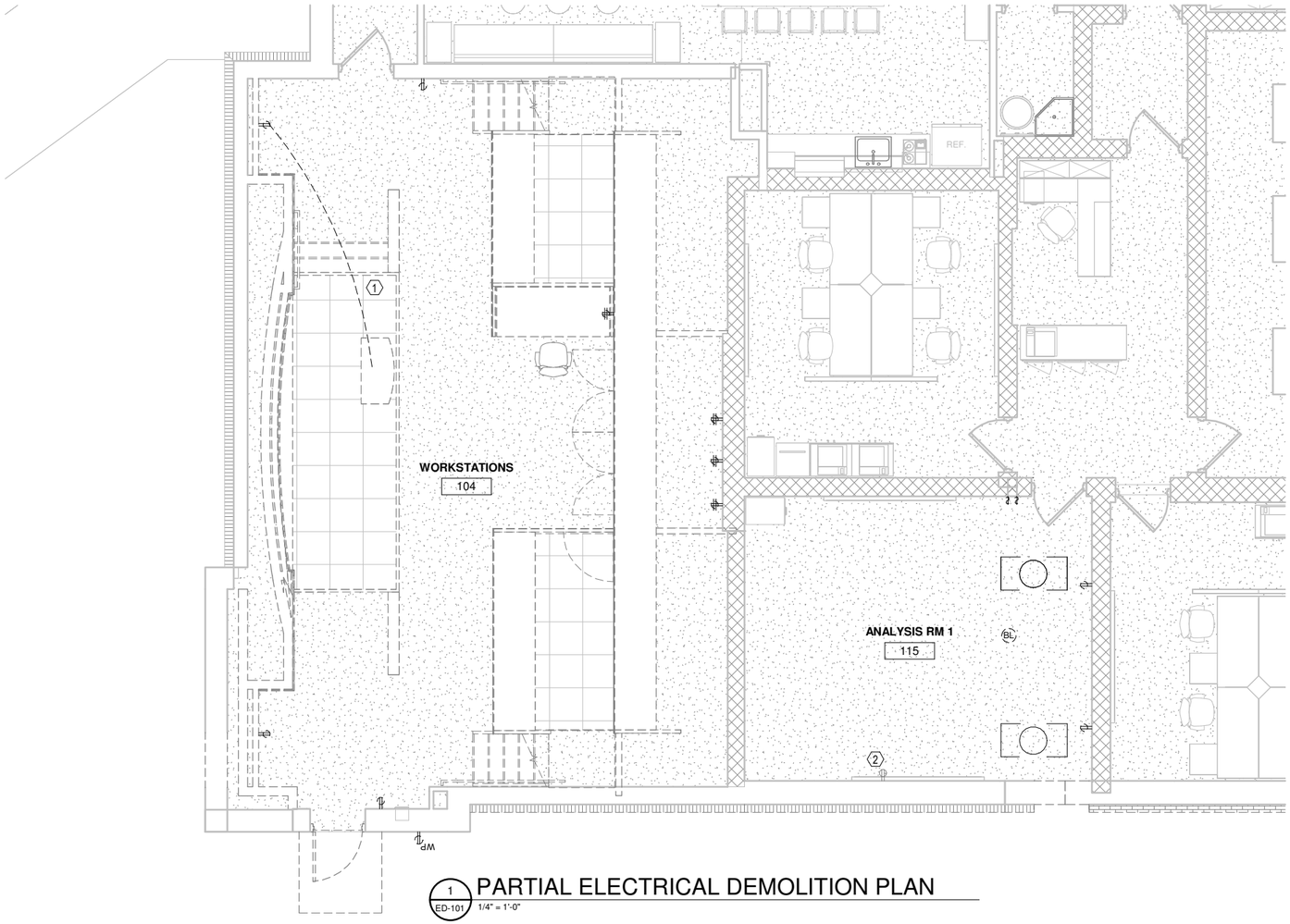
- ✉ INDICATES SURFACE MOUNTING OF DEVICE

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: DCC; PROJ. ENGR: DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ELECTRICAL LEGEND, GENERAL NOTES
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE: 13 MARCH 2024
INDEX NO.: E-001	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE: AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET
23AA	FTFA 23-MM06			OF



1 ED-101 PARTIAL ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

ELECTRICAL LEGEND - DEMOLITION THIS SHEET ONLY

- REMOVE EXISTING QUADRAPLEX RECEPECTACLE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW RECEPTACLE CIRCUIT IN AREA.
- REMOVE EXISTING DUPLEX RECEPECTACLE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW RECEPTACLE CIRCUIT IN AREA.
- WP — REMOVE EXISTING WEATHERPROOF DUPLEX RECEPECTACLE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO PREVIOUS DEVICE.
- REMOVE EXISTING LIGHT FIXTURE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO EXISTING LIGHT FIXTURE NOT BEING DEMOLISHED.
- (BL) — REMOVE EXISTING BLUE LIGHT. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO NEAREST JUNCTION BOX UNAFFECTED BY DEMOLITION.
- $ — REMOVE EXISTING LIGHT SWITHC. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR CONNECTION TO NEW LIGHT SWITCH.

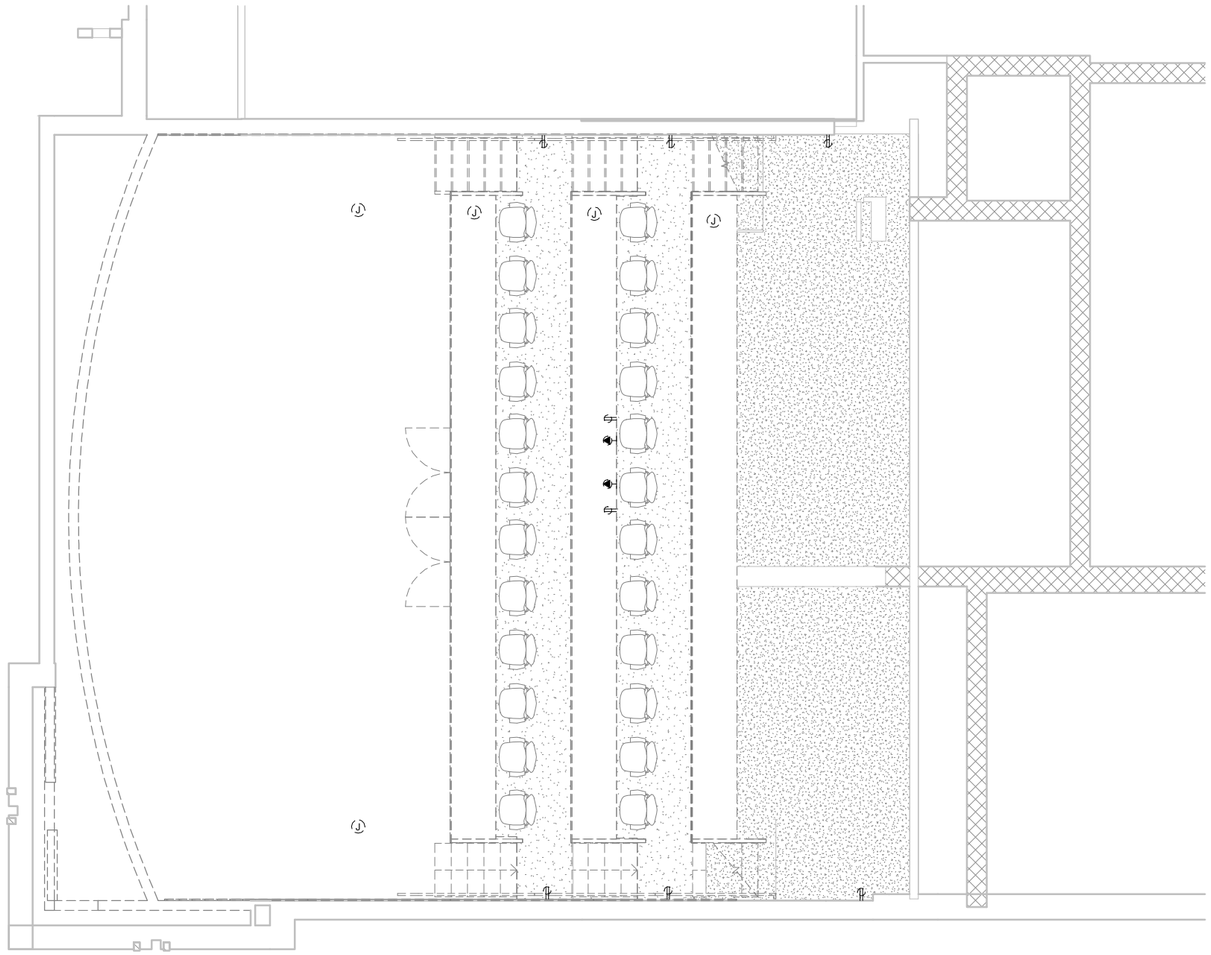
KEYNOTES:

1. REMOVE WIRE WITHIN IN-SLAB CONDUIT. CONDUIT MAY BE ABANDONED IN PLACE. CUT FLUSH WITH SLAB.
2. EXISTING RECEPTACLE TO REMAIN.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: DCC; PROJ. ENGR.: DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED — FIRE PREVENTION	
	APPROVED — SAFETY REPRESENTATIVE	
	APPROVED — DIR. BASE MED. SERVICE	
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: PARTIAL ELECTRICAL DEMOLITION PLAN
APPROVED — ASUS	APPROVED — COMMUNICATIONS	
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96/CEG/CEN; DATE: 13 MARCH 2024
INDEX NO.: ED-101	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER; SCALE: AS SHOWN
SPEC. NO.: 23AA	PROJ. NO.: FTFA 23-MM06	DRAWING NO.; FILE NO.; SHEET OF



ELECTRICAL LEGEND - DEMOLITION THIS SHEET ONLY

- REMOVE EXISTING QUADRAPLEX RECEPECTACLE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW RECEPTACLE CIRCUIT IN AREA.
- REMOVE EXISTING DUPLEX RECEPECTACLE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW RECEPTACLE CIRCUIT IN AREA.
- REMOVE EXISTING PROJECTOR RECEPECTACLE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW RECEPTACLE CIRCUIT IN AREA.
- (J) REMOVE EXISTING SYSTEMS FURNITURE CONNECTION. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW RECEPTACLE CIRCUIT IN AREA.

1 / ED-102 AUDITORIUM ELECTRICAL DEMOLITION POWER PLAN

1/4" = 1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY DCC	TITLE
SIGNATURE	PROJ. ENGR. DMB	ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS
		PARTIAL AUDITORIUM ELECTRICAL DEMOLITON PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
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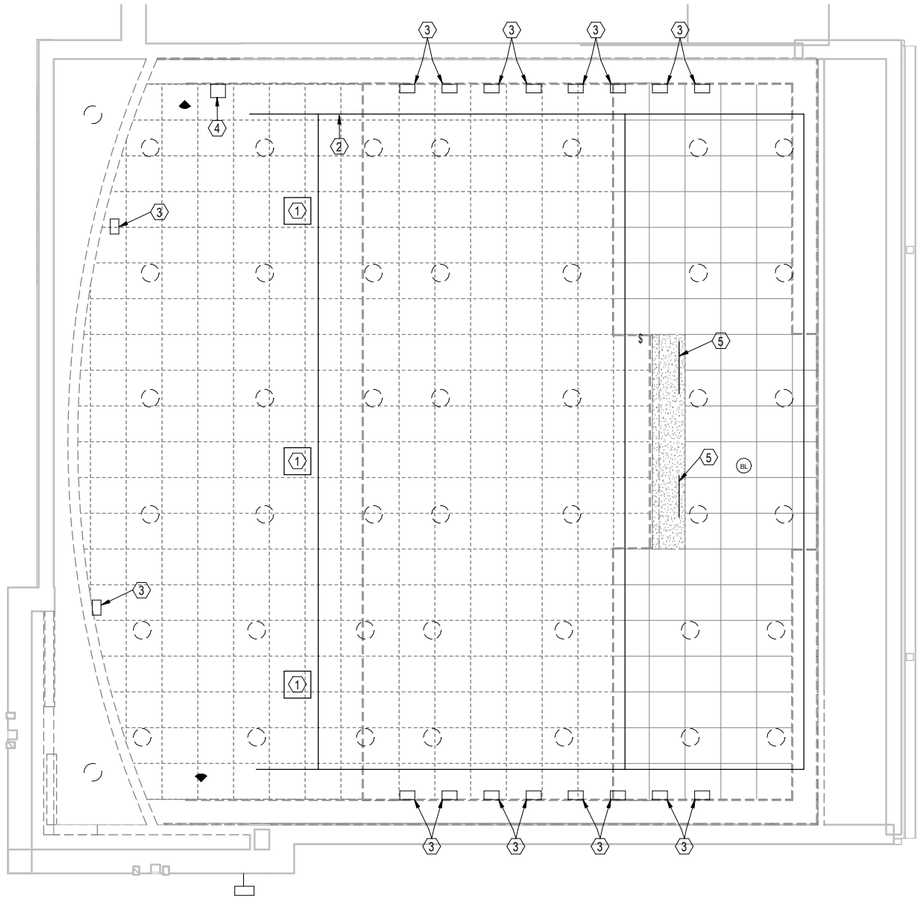
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
23AA	FTFA 23-MM06			



1 ED-103 AUDITORIUM LIGHTING DEMOLITION PLAN
1/4" = 1'-0"

ELECTRICAL LEGEND - DEMOLITION THIS SHEET ONLY

- REMOVE EXISTING LIGHT FIXTURE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW LIGHTING CIRCUIT IN AREA.
- BL — REMOVE EXISTING BLUE LIGHT. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW BLUE LIGHT CIRCUIT IN AREA.
- REMOVE EXISTING EXIT LIGHT. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW LIGHTING CIRCUIT IN AREA.
- $ — REMOVE EXISTING LIGHT SWITCH. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO ABOVE CEILING AND REMAIN FOR NEW LIGHTING CIRCUIT IN AREA.
- REMOVE EXISTING EXTERIOR LIGHT. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO NEAREST EXTERIOR LIGHT.

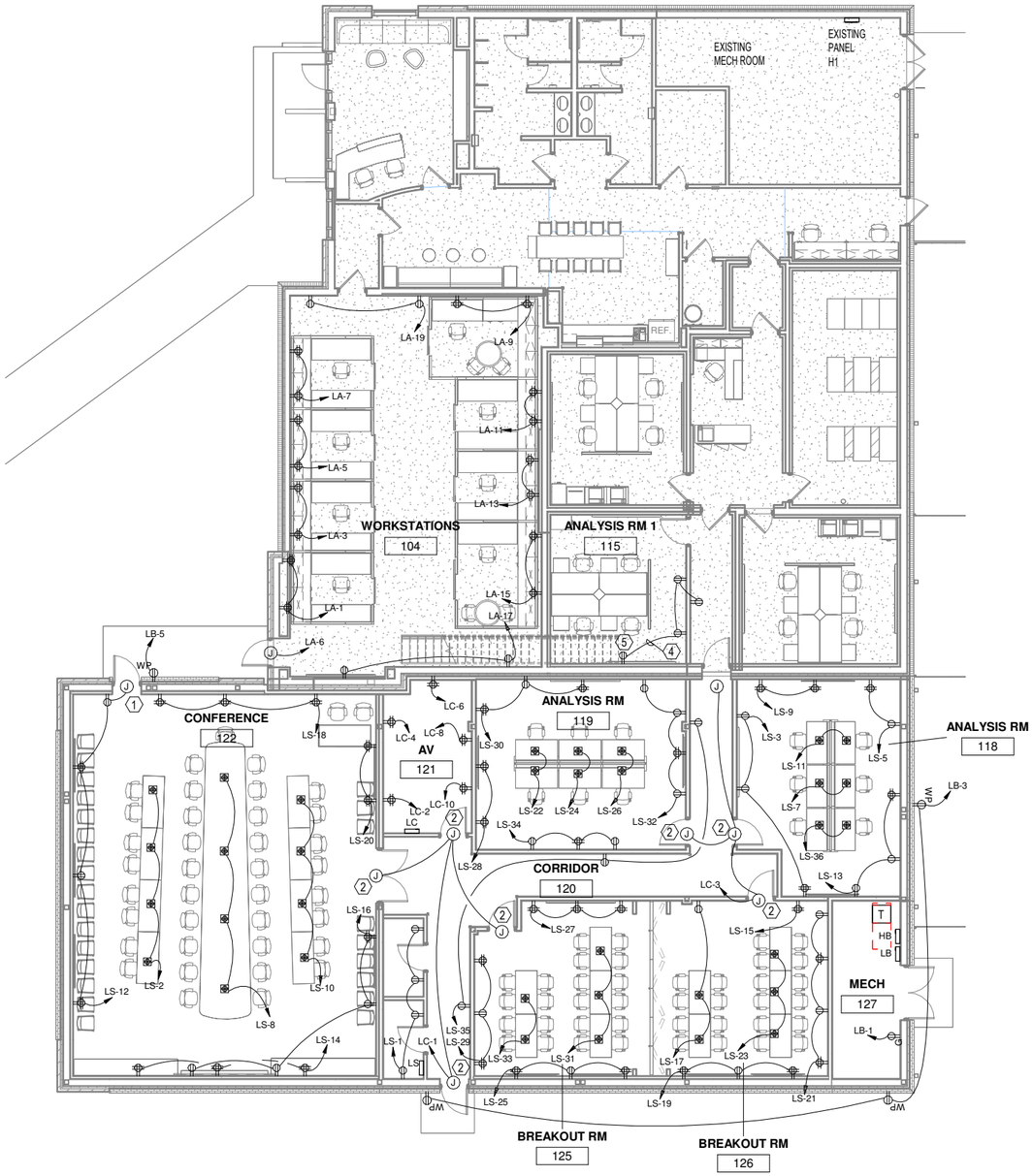
KEYNOTES:

1. REMOVE EXISTING TRACK LIGHT. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO SERVING PANEL L1.
2. REMOVE EXISTING LINEAR LIGHT FIXTURE. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO SERVING PANEL L1.
3. REMOVE EXISTING STAIR LIGHTS. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO SERVING EMERGENCY INVERTER.
4. REMOVE EXISTING DIMMING SYSTEM TOUCH SCREEN. ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO SERVING PANEL H1.
5. REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE . ASSOCIATED CONDUIT AND WIRE SHALL BE REMOVED BACK TO LIGHTING CIRCUIT OUTSIDE AUDITORIUM.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

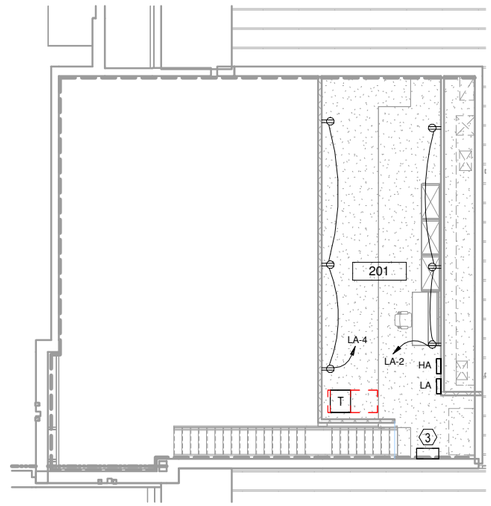
DATE / SIGNATURE	DRAWN BY DCC; PROJ. ENGR DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED — FIRE PREVENTION	
	APPROVED — SAFETY REPRESENTATIVE	
	APPROVED — DIR. BASE MED. SERVICE	
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: AUDTIORIUM LIGHTING DEMOLITION PLAN
APPROVED — ASUS	APPROVED — COMMUNICATIONS	
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. ED-103	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
	SPEC. NO. 23AA	PROJ. NO. FTFA 23-MM06; DRAWING NO.; FILE NO.; SHEET OF



1 E-101 NEW WORK POWER PLAN
1/8" = 1'-0"

KEYNOTES:

1. JUNCTION BOX FOR LOCAL DOOR ALARM POWER. COORDINATE EXACT CONNECTION WITH DOOR SUPPLIER PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO PROVIDE FINAL CONNECTION TO DOOR PER MANUFACTURERS REQUIREMENTS.
2. JUNCTION BOX ABOVE CEILING FOR ACCESS CONTROL 120V REQUIREMENTS. REFER TO SECURITY DRAWINGS FOR FURTHER DETAILS.
3. NEW 225 AMP, 3 PHASE, 4W, 208Y/120V RF POWER FILTER.
4. CONNECT 2#12, 1#12 GND IN 1/2"C TO EXISTING RECEPTACLE CIRCUIT IN ROOM 115.
5. EXISTING RECEPTACLE TO REMAIN.

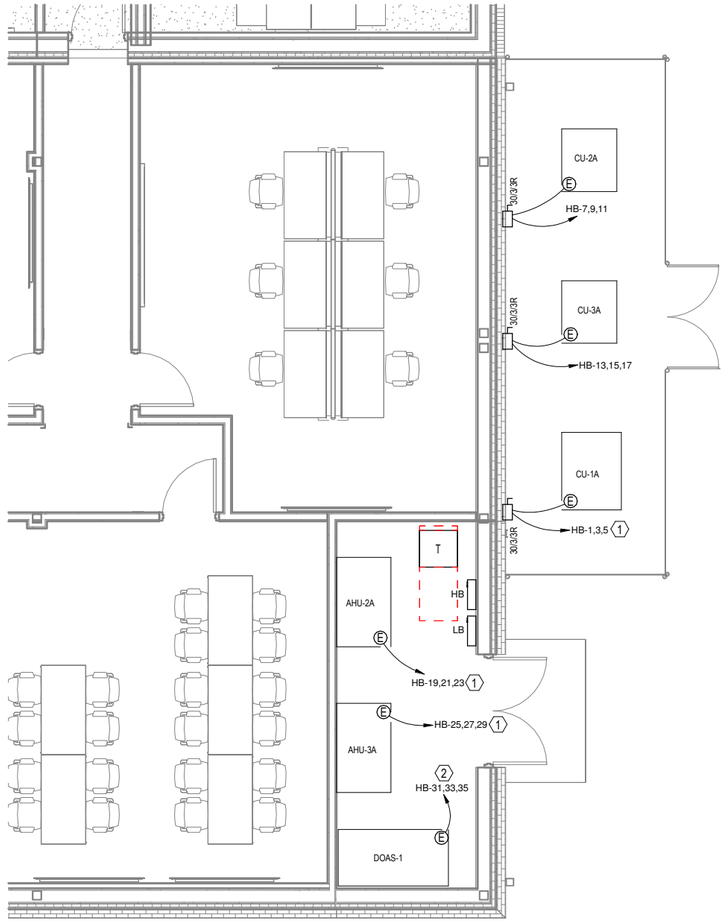


2 E-101 NEW WORK MEZZANINE POWER PLAN
1/8" = 1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: DCC; PROJ. ENGR: DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: NEW WORK POWER PLAN
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE: 13 MARCH 2024
INDEX NO. E-101	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE: AS SHOWN
SPEC. NO. 23AA	PROJ. NO. FTFA 23-MM06	DRAWING NO. / FILE NO. / SHEET OF



1 E-111 NEW WORK MECHANICAL POWER PLAN

1/4" = 1'-0"

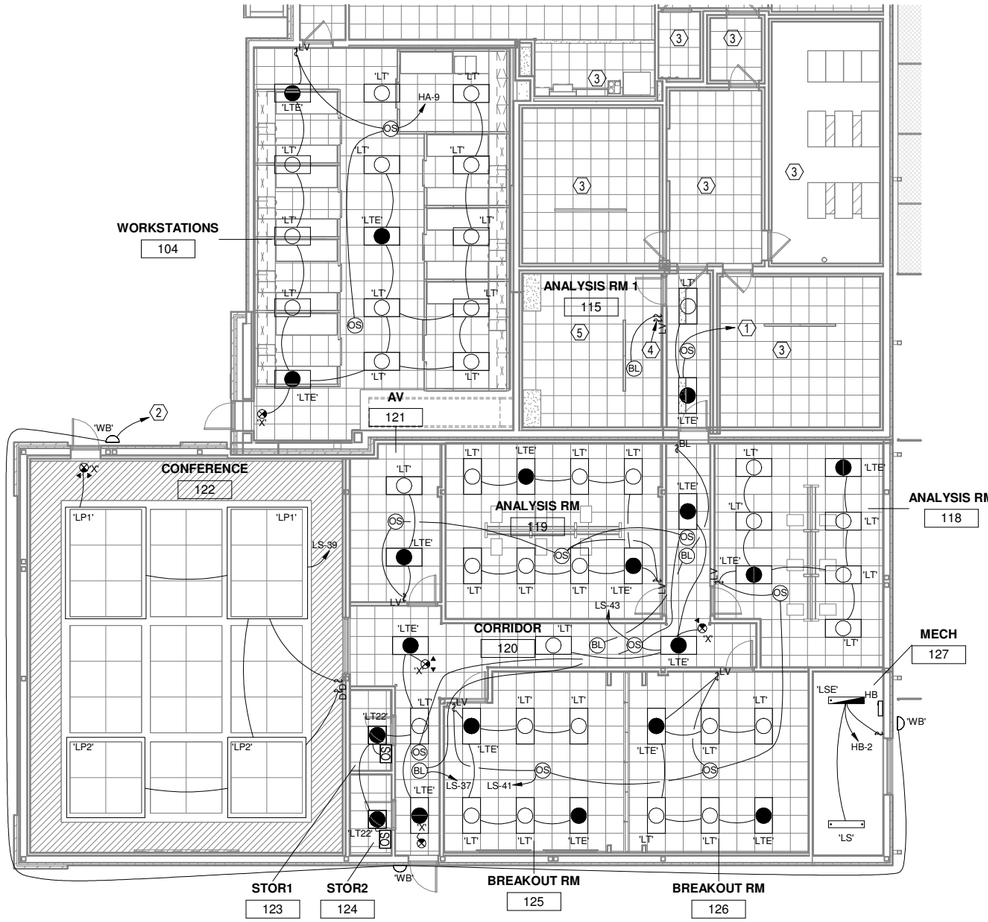
KEYNOTES:

1. INSTALL 3#10, 1#10 GND IN 3/4"C.
2. INSTALL 3#6, 1#10 GND IN 1"C.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

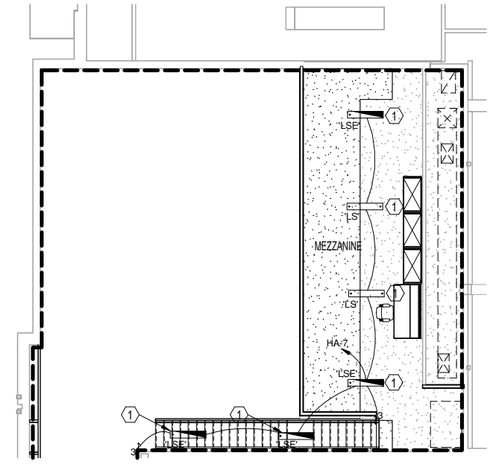
DATE / SIGNATURE	DRAWN BY DCC PROJ. ENGR. DMB	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: NEW WORK MECHANICAL POWER PLAN	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. E-111	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AA	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



1 OVERALL NEW WORK LIGHTING PLAN
E-121 — 1/8" = 1'-0"

KEYNOTES:

1. RECONNECT TO EXISTING LIGHT CIRCUIT SERVING AREA.
2. INTERCEPT EXISTING EXTERIOR LIGHT CIRCUIT AND EXTEND WITH 2#10 AND 1#10 GROUND IN 3/4" CONDUIT TO LAST DEVICE.
3. NO NEW LIGHTING WORK THIS AREA.
4. LOW VOLTAGE SWITCH SHALL HAVE 2 BUTTONS ZONE A ON/OFF, AND ZONE B ON/OFF
5. EXISTING LIGHTING HAS TWO LIGHTING ZONES (A,B). LIGHTING CONTROLS SHALL MATCH EXISTING CONTROL LAYOUT.



2 NEW WORK MEZZANINE LIGHTING PLAN
E-121 — 1/8" = 1'-0"

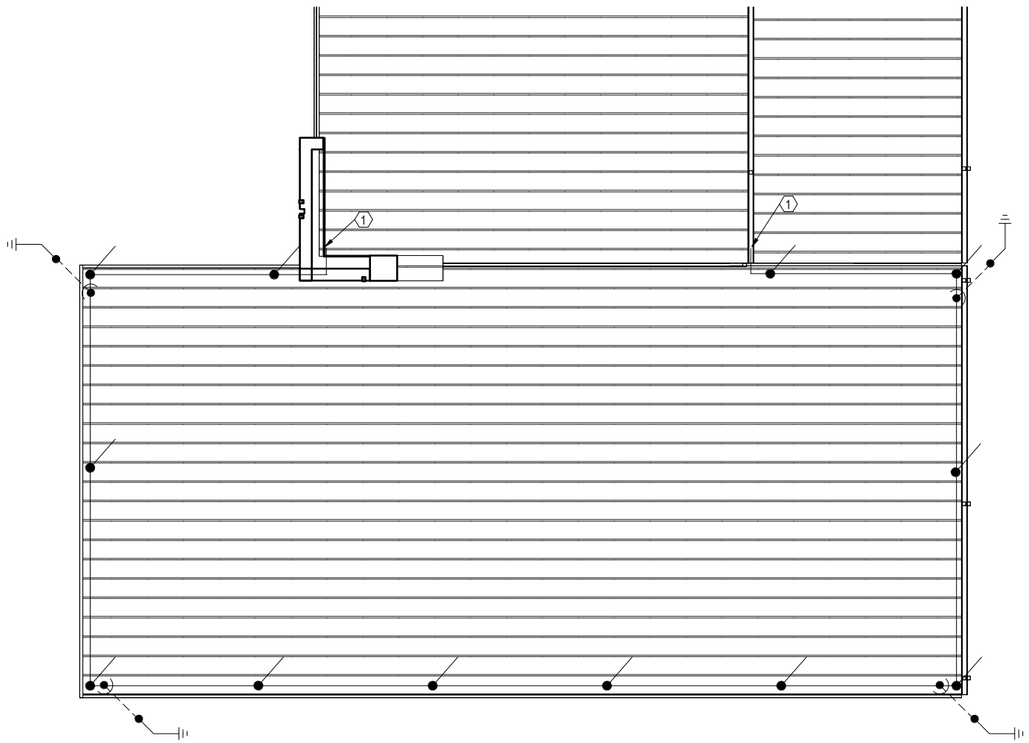
KEYNOTES:

1. MOUNT DEVICE 10' ABOVE MEZZANINE FLOOR.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: DCC; PROJ. ENGR.: DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED — FIRE PREVENTION	
	APPROVED — SAFETY REPRESENTATIVE	
	APPROVED — DIR. BASE MED. SERVICE	
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: NEW WORK LIGHTING PLAN
APPROVED — ASUS	APPROVED — COMMUNICATIONS	
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96/CEG/CEN; DATE: 13 MARCH 2024
INDEX NO.: E-121	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER; SCALE: AS SHOWN
	SPEC. NO.: 23AA	PROJ. NO.: FTFA 23-MM06; DRAWING NO.; FILE NO.; SHEET OF



1 E-131 NEW WORK LIGHTNING PROTECTION PLAN
1/8" = 1'-0"

KEYNOTES:

1 CONNECT TO EXISTING LIGHTNING PROTECTION ROOF CONDUCTOR

LIGHTNING PROTECTION LEGEND

- 3/4" X 20' COPPERCLAD GROUNDING ROD W/ TEST WELL. TEST WELL SHALL BE FLUSH WITH FINAL GRADE.
- 24" AIR TERMINAL.
- #1/0 BARE COPPER OR EQUIVALENT ALUMINUM ROOF CONDUCTOR.
- #1/0 BARE COPPER DOWN CONDUCTOR CONCEALED IN WALL EXTERIOR OF RF SHIELDING.
- BOND

GENERAL NOTES:

- LIGHTNING PROTECTION SYSTEM SHALL NOT DEGRADE THE ROOFING SYSTEM INTEGRITY
- THE CONTRACTOR SHALL NOT USE THE FACILITY STRUCTURE AS A DOWN CONDUCTOR OR USE ANY PORTION OF THE STRUCTURE AS A CONDUCTOR, EXCEPT AS NECESSARY TO PROTECT THE STRUCTURE ITSELF.
- BARE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING OR OTHER ALUMINUM SURFACES AND VICE VERSA, ALUMINUM LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALL ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
- INSPECTION AND CERTIFICATION DATA SHALL BE SUBMITTED TO THE GOVERNMENT.
- ALL GROUND RODS WITH TEST WELLS SHALL BE EXOTHERMICALLY WELDED, EXCEPT FOR ONE GROUND ROD WITH TEST WELL SHALL BE MECHANICALLY CONNECTED.
- PROVIDE LIGHTNING PROTECTION SHOP DRAWINGS FOR APPROVAL PRIOR TO PERFORMING WORK. WORK SHALL BE PERFORMED USING THE APPROVED SHOP DRAWINGS.
- SECONDARY CONDUCTORS SHALL INTERCONNECT WITH GROUNDED METALLIC PARTS WITHIN THE BUILDING. INTERCONNECTIONS MADE WITHIN SIDE-FLASH DISTANCES SHALL BE AT OR ABOVE THE LEVEL OF THE GROUNDED METALLIC PARTS.
- INSTALL A BONDING CONDUCTOR BETWEEN ALL GROUNDED METALLIC EQUIPMENT, CONDUIT, PARTS, ETC. THAT ARE WITHIN 4' OF LIGHTNING PROTECTION CONDUCTORS. THE BONDING CONDUCTOR SHALL INTERCONNECT THE METALLIC GROUNDED PART AND LIGHTNING PROTECTION SYSTEM. THE INTERCONNECTION SHALL BE AT OR ABOVE THE LEVEL OF THE GROUNDED METALLIC PART.
- ADHESIVE BASES ARE NOT ALLOWED FOR DOWN CONDUCTORS PER AFMAN 32-1065
- PROVIDE PROTECTION AGAINST GALVANIC CORROSION WHERE CONTACT WITH DISSIMILAR METALS OCCURS.
- PROVIDE PROTECTION AGAINST GALVANIC CORROSION WHERE CONTACT WITH DISSIMILAR METALS OCCURS.
- PROVIDE CERTIFCATION FROM A COMMERCIAL THIRD-PARTY INSPECTION ENTITY WHOSE SOLE WORK IS LIGHTING PROTECTION, STATING THAT THE ENTIRE LIGHTNING PROTECTION SYSTEM INCLUDING EXISTING AND NEW COMPONENTS COMPLIES WITH NFPA 780. THIRD PARTY INSPECTION ENTITY CANNOT BE THE SYSTEM INSTALLER OR THE SYSTEM DESIGNER.
- SYSTEM SHALL BE FURNISHED USING NEW UL LISTED COMPONENTS BY A MANUFACTURER REGULARY ENGAGED IN THE PRODUCTION OF LIGHTNING PROTECTION SYSTEMS.
- SYSTEM INSTALLER SHALL BE CERTIFIED WITH A COMMERCIAL THIRD-PARTY INSPECTION COMPANY WHOSE SOLE WORK IS LIGHTNING PROTECTION, OR A UL LISTED LIGHTNING PROTECTION INSTALLER. SYSTEM INSTALLER SHALL HAVE A MINIMUM OF 2 YEARS DOCUMENTED EXPERIENCE INSTALLING LIGHTNING PROTECTION SYSTEMS FOR DOD PROJECTS OF SIMILAR SCOPE AND COMPLEXITY.

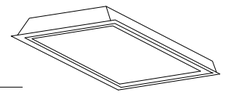
8' 0' 8' 16
SCALE: 1/8"=1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY DCC; PROJ. ENGR. DMB	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: NEW WORK LIGHTNING PROTECTION PLAN	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. E-131	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 23AA	PROJ. NO. FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF

FEATURES
LAMP TYPE: LED
SHIELDING: .125' THICK ACRYLIC PRISMATIC LENS



PROFILE: 3000 LUMENS (LT22)
WITH EMERGENCY UNIT
BATTERY PACK (LT22E)

NOM. DIMENSIONS (24" W X 2' L X 6" D)

GENERAL DESCRIPTION
HOUSING: COLD ROLLED STEEL, FLANGE TO COORDINATE WITH CEILING; EXTRUDED ALUMINUM LENS FRAME, HINGED REMOVAL AND SPRING-LOADED CATCHES

REFLECTORS: HIGH REFLECTANCE GLOSS WHITE

ELECTRICAL: 120/277 VOLT DRIVER (SEE LIGHTING FIXTURE SCHEDULE)

RECESSED LENSED 2'x2' MARK 'LT22', LED FIXTURE

FEATURES
LAMP TYPE: LED
MOUNTING: UNIVERSAL
TYPE 'X' IS WALL MOUNTED ABOVE DOOR
TYPE 'XC' IS CEILING MOUNTED
SHIELDING: FLAT SHEET ACRYLIC
LETTERS: RED

NOM. DIMENSIONS (11 3/8" W X 7 7/8" H X 1 3/4" D)

GENERAL DESCRIPTION
HOUSING: DIE-CAST ALUMINUM. WHITE FINISH. HARDWARE FINISH TO MATCH HOUSING FINISH. 152 mm (6') H LETTERS WITH 19 mm (3/4') STROKE. DIRECTIONAL ARROWS AS REQUIRED.

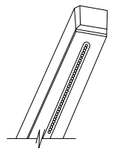
ELECTRICAL: 120/277 VOLTS WITH BACKUP BATTERY

FINISH: WHITE

OTHER: MINIMUM BRIGHTNESS 20 CD/SQ METER ON FACE OF SIGN. SELF-TEST DIAGNOSTICS

LED STENCIL FACE EXIT SIGN MARK 'X'

FEATURES
LAMP TYPE: LED



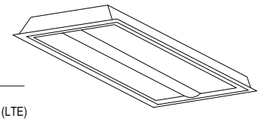
OPTIONS
PROFILE: 3000 LUMENS (LS)
WITH EMERGENCY UNIT BATTERY PACK (LSE)

NOM. DIMENSIONS (5" W X 4" H X 4' L)

GENERAL DESCRIPTION
HOUSING: DIE-FORMED COLD ROLLED STEEL, DESIGNED FOR INDIVIDUAL OR CONTINUOUS ROW MOUNTING
REFLECTORS: GLOSS WHITE
MOUNTING: SUSPENDED 8' A.F.F.
ELECTRICAL: 120/277 VOLT DRIVER
FINISH: WHITE ENAMEL OR POLYESTER POWDER COAT

LENSED LED STRIP LIGHT MARK 'LS' & 'LSE'

FEATURES
LAMP TYPE: LED
SHIELDING: .125' THICK ACRYLIC PRISMATIC LENS



PROFILE: 6000 LUMENS (LT)
WITH EMERGENCY UNIT BATTERY PACK (LTE)

NOM. DIMENSIONS (24" W X 4' L X 6" D)

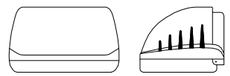
GENERAL DESCRIPTION
HOUSING: COLD ROLLED STEEL, FLANGE TO COORDINATE WITH CEILING; EXTRUDED ALUMINUM LENS FRAME, HINGED REMOVAL AND SPRING-LOADED CATCHES

REFLECTORS: HIGH REFLECTANCE GLOSS WHITE

ELECTRICAL: 120/277 VOLT DRIVER (SEE LIGHTING FIXTURE SCHEDULE)

RECESSED 2'x4' MARK 'LT', 'LTE'
LED DIRECT/INDIRECT

FEATURES
LAMP TYPE: LED/75 CRI
SHIELDING: FLAT GLASS



PROFILE: 3800 LUMENS (WB)

NOM. DIMENSIONS (16" W X 6" L X 12 1/8" D)

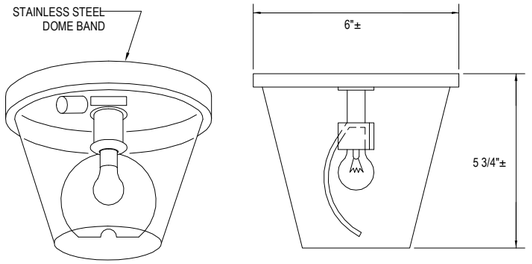
GENERAL DESCRIPTION
HOUSING: DECORATIVE DIE CAST ALUMINUM HOUSING AND DOOR. POWDER PAINT DARK BRONZE FINISH FULL CUTOFF.

MOUNTING: WALL MOUNT 10' A.F.F. UNLESS NOTED OTHERWISE

ELECTRICAL: 120/277 VOLT DRIVER (SEE LIGHTING FIXTURE SCHEDULE)

OTHER: EMERGENCY BATTERY PROVIDING 90 MINUTES AT 615 LUMENS

LED WALL PACK MARK 'WB'



FEATURES
LAMP TYPE: SINGLE CONTACT BULB
MOUNTING: UNIVERSAL
SHIELDING: BLUE, SHATTER-RESISTANT ACRYLIC DOME

GENERAL DESCRIPTION
HOUSING: HIGHLY POLISHED STAINLESS STEEL REFLECTOR ROTATES AROUND LAMP

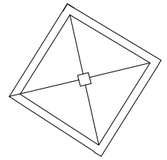
ELECTRICAL: 120 VOLT

MOUNTING: SURFACE MOUNT ON CEILING; SURFACE MOUNT ON WALL 8' A.F.F.

OTHER: 50 CANDLEPOWER, SINGLE CONTACT BULB FOR 120V OPERATION.
NOTE: LED FLASHING TYPE IS NOT ALLOWED. MUST BE ROTATING BEACON TYPE.

BLUE LIGHT FIXTURE MARK 'BL'

FEATURES
LAMP TYPE: LED/80 CRI



PROFILE: 300 LUMENS PER FOOT (LP1, LP2)

NOM. DIMENSIONS LP1 12' 6" X 9' RECTANGLULAR PENDANT
LP2 9' X 9' SQUARE PENDANT

GENERAL DESCRIPTION
HOUSING: DECORATIVE ANODIZED ALUMINUM

MOUNTING: PENDANT MOUNT 10' A.F.F.

ELECTRICAL: 120/277 VOLT DRIVER (SEE LIGHTING FIXTURE SCHEDULE)

OTHER: EMERGENCY BATTERY PROVIDING 90 MINUTES OF BACKUP LIGHTING

LED LINEAR DIRECT/INDIRECT DECORATIVE PENDANT FIXTURE 'LPI' & 'LP2'

	LIGHTING CONTROLS SEQUENCE OF OPERATIONS
ROOM TYPE	SEQUENCE OF OPERATIONS
OFFICES	1. MANUAL ON; WITH AT LEAST ONE PRESET SCENE AT 50% DIMMED 2. AUTOMATIC OFF AFTER 20 MINUTES OF VACANCY
CORRIDOR	1. AUTOMATIC ON TO FULL DESIGN LIGHTING POWER WHEN OCCUPANT ACTIVITY IS SENSED 2. AUTOMATIC DIMMING TO 50% OF FULL OUTPUT AFTER 20 MINUTES OF VACANCY
MECHANICAL ROOM	1. MANUAL ON 2. MANUAL OFF
CONFERENCE ROOM	1. MANUAL ON; WITH AT LEAST ONE PRESET SCENE AT 50% DIMMED, CONTINUOUS DIMMING CAPABILITIES 2. AUTOMATIC OFF AFTER 20 MINUTES OF VACANCY

** LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH UFC 3-530-01

LIGHTING CONTROL SEQUENCE NOTES:

- CONTRACTOR TO ENGAGE THE MANUFACTURER TO PROVIDE FULL SHOP DRAWINGS THAT INCLUDE WIRING, CONTROLS AND LIGHT FIXTURES. INSTALL PER THE MANUFACTURER SHOP DRAWINGS.

LIGHTING FIXTURE SCHEDULE

CONTRACT DRAWING FIXTURE MARK	LAMP TYPE	FIXTURE MAX. WATT	FIXTURE VOLT	FIXTURE DESCRIPTION	NOTE NUMBER
BL	LED	20	120V	CEILING SURFACE MOUNTED ROTATING BEACON TYPE LED, MINIMUM 650 LUMENS	
LP1	LED	150	UNV(120/277)	DECORATIVE CONTINUOUS RECTANGULAR LED DIRECT/INDIRECT FIXTURE, 300 LUMENS PER FOOT, WITH 10 WATT EMERGENCY BATTERY BACKUP LED DRIVER	(1)(2)
LP2	LED	130	UNV(120/277)	DECORATIVE CONTINUOUS SQUARE LED DIRECT/INDIRECT FIXTURE, 300 LUMENS PER FOOT, WITH 10 WATT EMERGENCY BATTERY BACKUP LED DRIVER	(1)(2)
LT	LED	55	UNV(120/277)	2'x4' RECESSED DIRECT/INDIRECT FIXTURE, 6000 LUMENS MINIMUM	
LTE	LED	55	UNV(120/277)	2'x4' RECESSED DIRECT/INDIRECT FIXTURE, 6000 LUMENS MINIMUM, WITH 10 WATT EMERGENCY BATTERY BACKUP LED DRIVER	(1)(2)
LT22	LED	30	UNV(120/277)	2'x2' RECESSEDLENSED FIXTURE, 3000 LUMENS MINIMUM	(2)
LS	LED	40	UNV(120/277)	LED STRIP LIGHT, 3000 LUMENS MINIMUM, MOUNT 10' A.F.F.	
LSE	LED	40	UNV(120/277)	LED STRIP LIGHT, 3000 LUMENS MINIMUM, WITH 10 WATT EMERGENCY BATTERY BACKUP LED DRIVER, MOUNT 10' A.F.F.	(1)(2)
WB	LED	40	UNV(120/277)	LED WALL FIXTURE, UL WET LOCATION, 3800 LUMENS MINIMUM, WITH 10 WATT EMERGENCY BATTERY BACKUP LED DRIVER, MOUNT 10' A.F.F. UNLESS NOTED OTHERWISE	(1)(2)
X	LED	5	UNV(120/277)	LED EXIT LIGHT CEILING MOUNTED WITH BATTERY BACKUP,WITH 10 WATT EMERGENCY BATTERY BACKUP LED DRIVER	(1)(2)

(1) PROVIDE WITH BATTERY BACK UP. CONNECT SUCH THAT FIXTURE IS CONTROLLED BY SWITCH BUT LOSS OF POWER SHALL CAUSE BATTERY/LAMPS TO ENERGIZE REGARDLESS OF SWITCH POSITION

(2) PROVIDE 10W EMERGENCY LED DRIVER AND BATTERY BACKUP.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

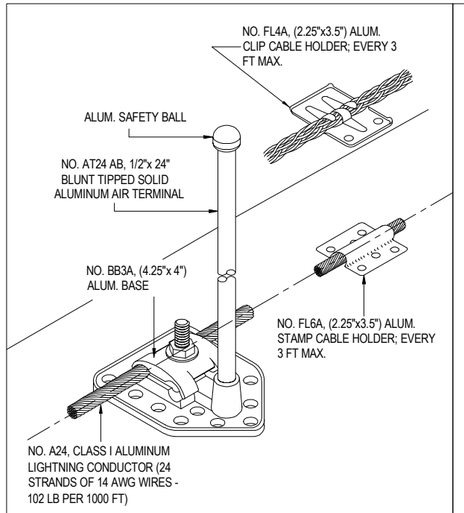
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY DCC
PROJ. ENGR. DMB
DATE
SIGNATURE
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED SECURITY FORCES
APPROVED USING AGENCY
APPROVED ASUS
APPROVED COMMUNICATIONS
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER

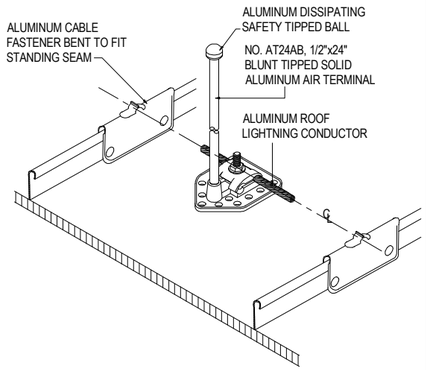
TITLE
ADDITION AND RENOVATION B521

CONTENTS
LIGHTING DETAILS, FIXTURE SCHEDULE

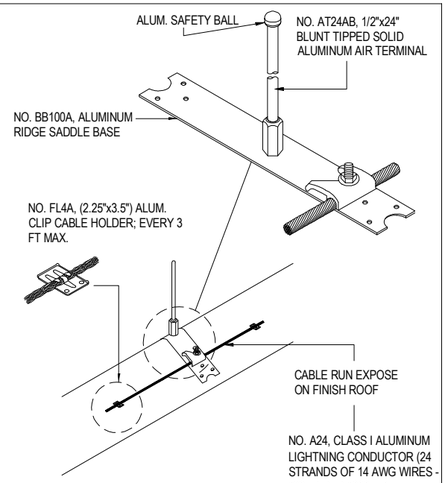
DATE 13 MARCH 2024
SCALE AS SHOWN
INDEX NO. E-501
SPEC. NO. 23AA
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
SHEET OF



AIR TERMINAL DETAIL
TYP. PERIMETER PROTECTION



CABLE FASTEN DETAIL
STANDING SEAM METAL ROOF



AIR TERMINAL DETAIL
TYP., AT RIDGE

TYPICAL DOWNLEAD DETAIL
AT FLAT ROOF

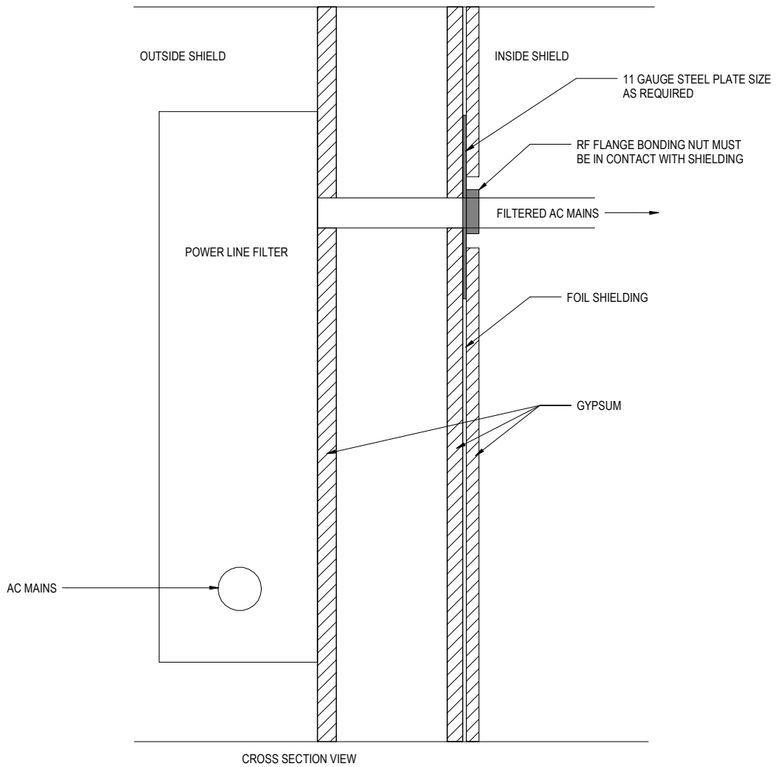
GROUND ROD DETAIL
TOP MIN. 12" BELOW GRADE

TYP. TEST WELL
AT EACH GROUND ROD LOCATION

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY DCC; PROJ. ENGR DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: LIGHTNING PROTECTION DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. E-502	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
SPEC. NO. 23AA	PROJ. NO. FTFA 23-MM06	DRAWING NO. / FILE NO. / SHEET OF



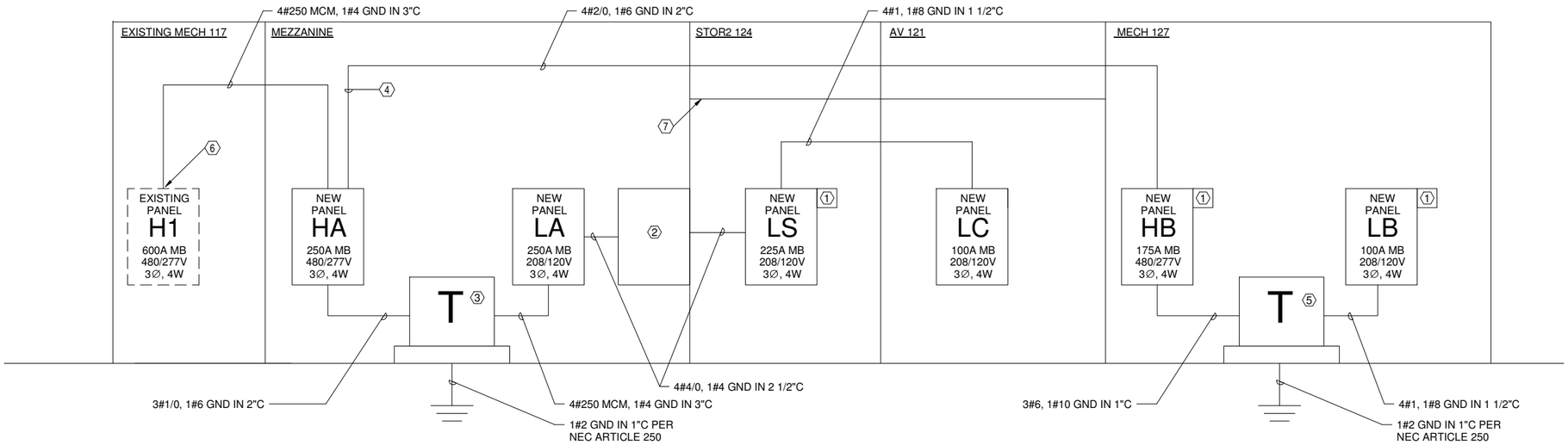
RF WALL PENETRATION DETAIL

NOTE: FINAL PENETRATION REQUIREMENTS TO BE APPROVED BY USERS PRIOR TO INSTALLATION

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: DCC PROJ. ENGR.: DMB	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ELECTRICAL DETAILS	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: E-503	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 23AA	PROJ. NO.: FTFA 23-MM06 / DRAWING NO. / FILE NO.	SHEET OF



POWER COORDINATION NOTE:
CONTRACTOR SHALL COORDINATE ALL POWER OUTAGES AND PHASING WITH USER NO LESS THAN TWO WEEKS PRIOR TO ANY PLANNED OUTAGES.

NEW WORK POWER RISER DIAGRAM

NOT TO SCALE

KEYNOTES:

1. INSTALL SURGE SUPPRESSOR PER SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATION.
2. NEW 225A, 3 PHASE, 4W, 208Y/120V RF POWER FILTER
3. INSTALL A NEW 75KVA 480V, 3 PHASE DELTA - 208Y/120V, 3 PHASE, 4 WIRE DRY TYPE TRANSFORMER MINIMUM 4%Z.
4. ROUTE CIRCUIT ABOVE RF SHIELDED SECURE PERIMETER LID. CIRCUIT SHALL NOT TRANSVERSE INSIDE SECURE AREA.
5. INSTALL A NEW 30KVA 480V, 3 PHASE DELTA - 208Y/120V, 3 PHASE, 4 WIRE DRY TYPE TRANSFORMER MINIMUM 4%Z.
6. INSTALL A NEW 250A/3 PHASE BREAKER IN SPACE 43/45/47. THE EXISTING 35 AMP/3 POLE BREAKER CURRENTLY IN SPACE 43/45/47 SHALL BE REMOVED. A NEW 35 AMP/3 POLE BREAKER SHALL BE INSTALLED IN SPACE 44/46/48 AND CONNECTED TO EXISTING WIRING.
7. SECURE AREA RF SHIELDING.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY DCC; PROJ. ENGR DMB	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: NEW WORK POWER RISER
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. E-601	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
	SPEC. NO. 23AA	PROJ. NO. FTFA 23-MM06; DRAWING NO.; FILE NO. — SHEET OF

Branch Panel: HA

Location: ANALYSIS RM 1 115
Supply From:
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Use Panel Short Circuit & Refer to...
Mains Type:
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1				61.51 A			117.4...						2
3	PANEL LA VIA 75KVA TRANSFORMER	125 A	3		50.02 A			118.2...		3	175 A	PANEL HB	4
5						45.58 A			116.9...				6
7	LIGHTING MEZZANINE	20 A	1	1.39 A			--			1	--	SPACE ONLY	8
9	LIGHTING 104-1	20 A	1		3.02 A			--		1	--	SPACE ONLY	10
11	SPARE	20 A	1			0.00 A			--	1	--	SPACE ONLY	12
13	SPARE	20 A	1	0.00 A			--			1	--	SPACE ONLY	14
15	SPARE	20 A	1		0.00 A			--		1	--	SPACE ONLY	16
17	SPARE	20 A	1			0.00 A			--	1	--	SPACE ONLY	18
19	SPARE	20 A	1	0.00 A			--			1	--	SPACE ONLY	20
21	SPARE	20 A	1		0.00 A			--		1	--	SPACE ONLY	22
23	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	24
25	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	26
27	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	28
29	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	32
33	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	34
35	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	36
37	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	38
39	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	40
41	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	42
		Total Amps:		181 A			172 A			162 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	96600 VA	100.00%	96600 VA		
Other	12240 VA	100.00%	12240 VA	**Total Conn. Load:**	142012 VA
Receptacle	27720 VA	68.04%	18860 VA	**Total Est. Demand:**	134216 VA
Power	1200 VA	100.00%	1200 VA	**Total Conn.:**	171 A
Lighting	4255 VA	125.00%	5319 VA	**Total Est. Demand:**	161 A

Notes:

Branch Panel: LA

Location: ANALYSIS RM 1 115
Supply From: 75KVA DRYTYPE...
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Use Panel Short Circuit & Refer to...
Mains Type:
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1	6.00 A			4.50 A			1	20 A	RECEPTACLE RM 201	2
3	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1		6.00 A			4.50 A		1	20 A	RECEPTACLE RM 201	4
5	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1			6.00 A			1.00 A	1	20 A	ACCESS CONTROL DOOR	6
7	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1	6.00 A			0.00 A			1	20 A	SPARE	8
9	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1		6.00 A			0.00 A		1	20 A	SPARE	10
11	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1			6.00 A			0.00 A	1	20 A	SPARE	12
13	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1	6.00 A			0.00 A			1	20 A	SPARE	14
15	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1		6.00 A			0.00 A		1	20 A	SPARE	16
17	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1			3.00 A			0.00 A	1	20 A	SPARE	18
19	RECEPTACLE WORKSTATIONS-1 104-1	20 A	1	3.00 A			--			1	--	SPACE ONLY	20
21	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	22
23	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	24
25	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	26
27	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	28
29	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	32
33	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	34
35	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	36
37				115.4...			--			1	--	SPACE ONLY	38
39	PANEL LS	225 A	3		91.96 A			--		1	--	SPACE ONLY	40
41						89.21 A			--	1	--	SPACE ONLY	42
		Total Amps:		142 A			115 A			105 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	12240 VA	100.00%	12240 VA		
Receptacle	26820 VA	68.64%	18410 VA	**Total Conn. Load:**	43190 VA
Power	1200 VA	100.00%	1200 VA	**Total Est. Demand:**	35512 VA
Lighting	2930 VA	125.00%	3662 VA	**Total Conn.:**	120 A
				Total Est. Demand:	99 A

Notes:

Branch Panel: HB

Location: MECH 127
Supply From: HA
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Use Panel Short Circuit & Refer to...
Mains Type:
Mains Rating: 175 A
MCB Rating: 175 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1				15.16 A			0.46 A			1	20 A	LIGHTING 127	2
3	CU-1A	25 A	3		15.16 A			0.00 A		1	20 A	SPARE	4
5						15.16 A			0.00 A	1	20 A	SPARE	6
7				12.03 A			0.00 A			1	20 A	SPARE	8
9	CU-2A	20 A	3		12.03 A			0.00 A		1	20 A	SPARE	10
11						12.03 A			0.00 A	1	20 A	SPARE	12
13				12.03 A			0.00 A			1	20 A	SPARE	14
15	CU-3A	20 A	3		12.03 A			--		1	--	SPACE ONLY	16
17						12.03 A			--	1	--	SPACE ONLY	18
19				21.66 A			--			1	--	SPACE ONLY	20
21	AHU-2A	30 A	3		21.66 A			--		1	--	SPACE ONLY	22
23						21.66 A			--	1	--	SPACE ONLY	24
25				21.66 A			--			1	--	SPACE ONLY	26
27	AHU-3A	30 A	3		21.66 A			--		1	--	SPACE ONLY	28
29						21.66 A			--	1	--	SPACE ONLY	30
31				33.69 A			--			1	--	SPACE ONLY	32
33	DOAS-1	45 A	3		33.69 A			--		1	--	SPACE ONLY	34
35						33.69 A			--	1	--	SPACE ONLY	36
37				0.65 A			0.00 A						38
39	PANEL LB VIA 30KVA TRANSFORMER	50 A	3		1.95 A			0.00 A		3	30 A	SURGE SUPPRESSOR	40
41						0.65 A			0.00 A				42
		Total Amps:		117 A			118 A			117 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	96600 VA	100.00%	96600 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	97622 VA
Receptacle	900 VA	100.00%	900 VA	**Total Est. Demand:**	97652 VA
Power	0 VA	0.00%	0 VA	**Total Conn.:**	117 A
Lighting	128 VA	125.00%	160 VA	**Total Est. Demand:**	117 A

Notes:

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY DCC
PROJ. ENGR DMB
DATE
SIGNATURE
APPROVED FIRE PREVENTION
APPROVED SAFETY REPRESENTATIVE
APPROVED DIR. BASE MED. SERVICE
APPROVED SECURITY FORCES
APPROVED USING AGENCY
APPROVED ASUS
APPROVED COMMUNICATIONS
APPROVED CHELCO
APPROVED OPERATIONS ENGINEERING
APPROVED 96/CEG/CEN
APPROVED ENVIRONMENTAL
APPROVED DEPUTY BASE CIVIL ENGINEER

TITLE
ADDITION AND RENOVATION B521

CONTENTS
PANEL SCHEDULES

DATE 13 MARCH 2024
SCALE AS SHOWN
SHEET OF

INDEX NO. E-602
SPEC. NO. 23AA
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.

Branch Panel: LS

Location: STOR2 124
Supply From: LA
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Use Panel Short Circuit & Refer to...
Mains Type:
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	RECEPTACLE ROOM 123, 124	20 A	1	6.00 A			12.00 A			1	20 A	FLOOR RECEPTACLE CONFERENCE 122	2
3	RECEPTACLE ANALYSIS RM 118	20 A	1		6.00 A			0.00 A		1	20 A	SPARE	4
5	RECEPTACLE ANALYSIS RM 118	20 A	1			4.50 A			0.00 A	1	20 A	SPARE	6
7	FLOOR RECEPTACLE ANALYSIS RM 118	20 A	1	6.00 A			12.00 A			1	20 A	FLOOR RECEPTACLE CONFERENCE 122	8
9	RECEPTACLE ANALYSIS RM 118	20 A	1		6.00 A			12.00 A		1	20 A	FLOOR RECEPTACLE CONFERENCE 122	10
11	FLOOR RECEPTACLE ANALYSIS RM 118	20 A	1			6.00 A			10.00 A	1	20 A	RECEPTACLE CONFERENCE 122	12
13	RECEPTACLE ANALYSIS RM 118	20 A	1	6.00 A			9.00 A			1	20 A	RECEPTACLE CONFERENCE 122	14
15	RECEPTACLE BREAKOUT RM 126	20 A	1		3.00 A			7.50 A		1	20 A	RECEPTACLE CONFERENCE 122	16
17	FLOOR RECEPTACLE BREAKOUT RM 126	20 A	1			7.50 A			9.00 A	1	20 A	RECEPTACLE CONFERENCE 122	18
19	RECEPTACLE BREAKOUT RM 126	20 A	1	7.50 A			6.00 A			1	20 A	RECEPTACLE CONFERENCE 122	20
21	RECEPTACLE BREAKOUT RM 126	20 A	1		9.00 A			6.00 A		1	20 A	FLOOR RECEPTACLE ANALYSIS RM 119	22
23	FLOOR RECEPTACLE BREAKOUT RM 126	20 A	1			9.00 A			6.00 A	1	20 A	FLOOR RECEPTACLE ANALYSIS RM 119	24
25	RECEPTACLE BREAKOUT RM 125	20 A	1	7.50 A			6.00 A			1	20 A	FLOOR RECEPTACLE ANALYSIS RM 119	26
27	RECEPTACLE BREAKOUT RM 125	20 A	1		9.00 A			6.00 A		1	20 A	RECEPTACLE ANALYSIS RM 119	28
29	RECEPTACLE BREAKOUT RM 125	20 A	1			7.50 A			7.50 A	1	20 A	RECEPTACLE ANALYSIS RM 119	30
31	FLOOR RECEPTACLE BREAKOUT RM 125	20 A	1	9.00 A			7.50 A			1	20 A	RECEPTACLE ANALYSIS RM 119	32
33	FLOOR RECEPTACLE BREAKOUT RM 125	20 A	1		6.00 A			6.00 A		1	20 A	RECEPTACLE ANALYSIS RM 119	34
35	RECEPTACLE CORRIDOR 120	20 A	1			4.50 A			6.00 A	1	20 A	RECEPTACLE ANALYSIS RM 118	36
37	BLUE LIGHTS	20 A	1	2.50 A			0.00 A			1	20 A	SPARE	38
39	LIGHTING 122	20 A	1		5.09 A			0.00 A		1	20 A	SPARE	40
41	LIGHTING 118,125,126	20 A	1			8.71 A			0.00 A	1	20 A	SPARE	42
43	LIGHTING 119,120,121,123,124	20 A	1	8.11 A			0.00 A			1	20 A	SPARE	44
45	SPACE ONLY	--	1		--			0.00 A		1	20 A	SPARE	46
47	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	48
49				11.08 A			0.00 A						50
51	PANEL LC	100 A	3		11.08 A			0.00 A		3	30 A	SURGE SUPPRESSOR	52
53						3.00 A			0.00 A				54
	Total Amps:			115 A			92 A		89 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	12240 VA	100.00%	12240 VA		
Receptacle	19260 VA	75.96%	14630 VA	**Total Conn. Load:**	35510 VA
Power	1080 VA	100.00%	1080 VA	**Total Est. Demand:**	31612 VA
Lighting	2930 VA	125.00%	3662 VA	**Total Conn.:**	99 A
				Total Est. Demand:	88 A

Notes:

Branch Panel: LB

Location: MECH 127
Supply From: 30KVA DRYTYPE...
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Use Panel Short Circuit & Refer to...
Mains Type:
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	RECEPTACLE MECH 127	20 A	1	1.50 A			0.00 A			1	20 A	SPARE	2
3	RECEPTACLE EXTERIOR	20 A	1		4.50 A			0.00 A		1	20 A	SPARE	4
5	RECEPTACLE EXTERIOR	20 A	1			1.50 A			0.00 A	1	20 A	SPARE	6
7	SPACE ONLY	--	1	--			0.00 A			1	20 A	SPARE	8
9	SPACE ONLY	--	1		--			0.00 A		1	20 A	SPARE	10
11	SPACE ONLY	--	1			--			0.00 A	1	20 A	SPARE	12
13	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	14
15	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	16
17	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	18
19	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	20
21	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	22
23	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	24
25	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	26
27	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	28
29	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	32
33	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	34
35	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	36
37	SPACE ONLY	--	1	--			0.00 A						38
39	SPACE ONLY	--	1		--			0.00 A		3	30 A	SURGE SUPPRESSOR	40
41								0.00 A					42
	Total Amps:			2 A			5 A		2 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	900 VA	100.00%	900 VA		
				Total Conn. Load:	900 VA
				Total Est. Demand:	900 VA
				Total Conn.:	2 A
				Total Est. Demand:	2 A

Notes:

Branch Panel: LC

Location: AV 121
Supply From: LS
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Use Panel Short Circuit & Refer to...
Mains Type:
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	ACCESS CONTROL DOORS	20 A	1	4.00 A			3.00 A			1	20 A	RECEPTACLE AV 121	2
3	ACCESS CONTROL DOORS	20 A	1		4.00 A			3.00 A		1	20 A	RECEPTACLE AV 121	4
5	SPARE	20 A	1			0.00 A			3.00 A	1	20 A	RECEPTACLE AV 121	6
7	SPARE	20 A	1	0.00 A			3.00 A			1	20 A	RECEPTACLE AV 121	8
9	SPARE	20 A	1		0.00 A			3.00 A		1	20 A	RECEPTACLE AV 121	10
11	SPACE ONLY	--	1			--							12
13	SPACE ONLY	--	1	--									14
15	SPACE ONLY	--	1		--								16
17	SPACE ONLY	--	1			--							18
19	SPACE ONLY	--	1	--									20
21	SPACE ONLY	--	1		--								22
23	SPACE ONLY	--	1			--							24
25	SPACE ONLY	--	1	--			0.00 A						26
27	SPACE ONLY	--	1		--			0.00 A		3	30 A	SURGE SUPPRESSOR	28
29	SPACE ONLY	--	1			--			0.00 A				30
	Total Amps:			11 A			11 A		3 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	1800 VA	100.00%	1800 VA		
Power	960 VA	100.00%	960 VA	**Total Conn. Load:**	2760 VA
				Total Est. Demand:	2760 VA
				Total Conn.:	8 A
				Total Est. Demand:	8 A

Notes:

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DRAWN BY DCC
PROJ. ENGR. DMB
DATE
SIGNATURE
APPROVED — FIRE PREVENTION
APPROVED — SAFETY REPRESENTATIVE
APPROVED — DIR. BASE MED. SERVICE
APPROVED — SECURITY FORCES
APPROVED — USING AGENCY
APPROVED — ASUS
APPROVED — COMMUNICATIONS
APPROVED — CHELCO
APPROVED — OPERATIONS ENGINEERING
APPROVED — 96/CEG/CEN
APPROVED — ENVIRONMENTAL
APPROVED — DEPUTY BASE CIVIL ENGINEER

TITLE
ADDITION AND RENOVATION B521

CONTENTS
PANEL SCHEDULES

DATE 13 MARCH 2024
SCALE AS SHOWN
INDEX NO. E-603
SPEC. NO. 23AA
PROJ. NO. FTFA 23-MM06
DRAWING NO.
FILE NO.
SHEET OF

TELECOMMUNICATIONS LEGEND

GENERAL TELECOMMUNICATIONS:

▼ TYPICAL WALL MOUNTED UNSECURE DATA OUTLET WITH NYLON FACEPLATE MOUNTED @ 18" AFF, FROM THE CENTER OF THE OUTLET, UNO. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.

SUBSCRIPTS INDICATES THE FOLLOWING:

- W - WALL MOUNTED AT 48" AFF FROM THE TOP OF THE OUTLET.
- 1 - UNSECURE TELECOM OUTLET - TYPE "1"
- RW - OUTLET MOUNTED TO RACEWAY (TYPE "X" INDICATED ON FLOOR PLAN)

▽ SECURE WALL MOUNTED DATA OUTLET WITH NYLON FACEPLATE MOUNTED @ 18" AFF, FROM THE CENTER OF THE OUTLET, UNO. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.

SUBSCRIPTS INDICATES THE FOLLOWING:

- 1 - SPECIAL SYSTEM NETWORK OUTLET - TYPE "1"
- 2 - SPECIAL SYSTEM NETWORK OUTLET - TYPE "2"
- 3 - SPECIAL SYSTEMS NETWORK OUTLET - TYPE "3"
- RW - OUTLET MOUNTED TO RACEWAY (TYPE "X" INDICATED ON FLOOR PLAN)

AV RW AUDIO VISUAL OUTLET; SURFACE MOUNT TO AUDIO VISUAL RACEWAY - AV MODULES, AND CABLING BY GOVERNMENT.

##" x ##" WIRE MESH CABLE TRAY WITH SOLID BOTTOM INSERT. CONTRACTOR SHALL COORDINATE THE ROUTING WITH OTHER DISCIPLINES PRIOR TO ANY EQUIPMENT BEING INSTALLED THIS IS TO INCLUDE OTHER DISCIPLINES EQUIPMENT. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS. HATCHING INDICATES THAT CABLE TRAY IS STACKED. TAG INDICATES THE FOLLOWING:

##" x ##" = TRAY SIZE

GENERAL NOTES

1. ALL PENETRATIONS THRU FIRE RATED WALLS, CEILINGS, FLOORS, PARTITIONS, ETC SHALL BE FIRE STOPPED TO THE LATEST CODES, STANDARDS AND THE AUTHORITY HAVING JURISDICTION. COORDINATE WITH ARCHITECTURAL.
2. ALL EXTERIOR PENETRATIONS SHALL BE SEALED IN A NEAT/CLEAN MANNER AND SHALL HAVE A WATER TIGHT SEAL.
3. ALL CONDUITS AND INNERDUCT CELL SHALL BE PROVIDED WITH PULL STRING REGARDLESS IF CABLE IS INSTALLED OR NOT.
4. FINAL LOCATION OF **ALL DEVICES** SHALL BE COORDINATED WITH OWNER/USER PRIOR TO ROUGH-IN.
5. ALL CONDUIT ENDS SHALL BE FREE OF BURRS,SHARP EDGES AND PROVIDED WITH INSULATED GROUNDING BUSHINGS AND GROUNDED BACK TO THE TELECOMMUNICATINS GROUNDING BUSBAR SERVING THE SPACE.
6. CONTRACTOR SHALL REFER TO THE AUDIO VISUAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. SCOPE OF WORK INCLUDES THE FOLLOWING:

   RACEWAYS: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT PATHWAYS. INCLUDING ALL INTERIOR CONDUITS, WALL PENETRATIONS, CONDUIT SLEEVES AS REQUIRED TO PENETRATION FULL HEIGHT WALLS. ALL PATHWAYS SHALL INCLUDE ALL DEVICE BOXES, REQUIRED MUD RINGS, WALL BOXES, FLOOR BOXES, POKE THROUGHS, PULL BOXES, PULL STRINGS/PULL TAPE, CONDUIT MARKING, GROUNDED INSULATED BUSHINGS ON ALL CONDUIT ENDS.

   FIRE/SMOKE/SOUND STOPPING: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NESSESSARY FIRE/SMOKE/SOUND STOPPING THE PENETRATIONS THROUGH FIRE/SMOKE/SOUND RATED WALL TO MAINTAIN THE RATING OF THE WALL. THE AUDIO VISUAL CONTRACTOR IS RESPONSIBLE FOR FIRE/SMOKE/SOUND STOPPING INSIDE THE PATHWAY AFTER THE CABLE INSTALLATION IS COMPLETED.

   GROUNDING: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR GROUNDING ALL REQUIRED PATHWAYS. AUDIO VISUAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED GROUNDING ON THE AUDIO VISUAL SYSTEM.

NOTE

THE ILLISTRATION OF THE DESIGN WITHIN THIS PACKAGE DOES NOT INCLUDE DIMENSIONS / ELEVATIONS OF CONDUITS, PULL BOXES, CABLE TRAYS, ETC. THE DETAILS AND ISOMETRICS INCLUDED WITHIN THIS PACKAGE IS TO ILLISTRATE THE INTENT AND SHOULD NOT BE USED FOR SHOP DRAWINGS.

ABBREVIATIONS

AW	ABOVE WORK-SURFACE
AFF	ABOVE FINISH FLOOR
A.O.	ACCREDITING OFFICIAL
ADA	AMERICANS WITH DISABILITIES ACT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
AA	APPROVING AUTHORITY
ARCH	ARCHITECTURAL
AHJ	AUTHORITY HAVING JURISDICTION
BBC	BONDING BACKBONE CONDUCTOR
BAS	BUILDING AUTOMATION SYSTEM
CT	CABLE TRAY
CAT 3	CATEGORY 3
CAT 5E	CATEGORY 5 ENHANCED
CAT 6	CATEGORY 6
CAT 6A	CATEGORY 6 AUGMENTED
CO	COMMUNICATIONS OUTLET
CATV	COMMUNITY ANTENNA TELEVISION
C	CONDUIT
CP	CONSOLIDATION POINT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFGI	CONTRACTOR FURNISHED, GOVERNMENT INSTALLED
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
DDC	DIRECT DIGITAL CONTROLS
DEMARC	DEMARCATION
ELEC	ELECTRICAL
EMI	ELECTROMAGNETIC INTERFERENCE
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EMT	ELECTRICAL METALLIC TUBING
FCC	FEDERAL COMMUNICATIONS COMMISSION
FO	FIBER OPTIC
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
HH	HANDHOLE
IAW	IN ACCORDANCE WITH
LAN	LOCAL AREA NETWORK
MTR	MAIN TELECOMMUNICATIONS ROOM
MH	MAINTENANCE HOLE
MAX	MAXIMUM
um	MICRON / MICROMETER
MIN	MINIMUM
MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
MM	MULTIMODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEC	NATIONAL ELECTRICAL CODE
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIPRNET	UNCLASSIFIED INTERNET PROTOCOL ROUTER NETWORK
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
OSP	OUTSIDE PLANT
PR	PAIR
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE
PB	PULL BOX
PBB	PRIMARY BONDING BUSBAR
PBX	PRIVATE BRANCH EXCHANGE
PDS	PROTECTED DISTRIBUTION SYSTEM
RMU	RACK MOUNTED UNIT
RM	ROOM
R/I	ROUGH-IN
ScTP	SCREENED TWISTED-PAIR
SIPRNet	SECRET INTERNET PROTOCOL ROUTER NETWORK
SBB	SECONDARY BONDING BUSBAR
SVTC	SECURED VIDEO TELECONFERENCE
STP	SHIELDED TWISTED-PAIR
SM	SINGLEMODE
SF	SURFACE MOUNT
STR	STRANDS
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
TER	TELECOMMUNICATIONS EQUIPMENT ROOM
TR	TELECOMMUNICATIONS ROOM
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
UL	UNDERWRITERS LABORATORIES INC
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED-PAIR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VTC	VIDEO TELECONFERENCE
VoIP	VOICE OVER INTERNET PROTOCOL
VoSIP	VOICE OVER SECRET INTERNET PROTOCOL

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: T. GUTHRIE; PROJ. ENGR: D. BAGWELL	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: TELECOM LEGEND	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: T-001	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 21AX	PROJ. NO.: FTFA 23-MM06	DRAWING NO.: FTFA 23-MM06	FILE NO.	SHEET OF

INSIDE PLANT CONTRACTOR COORDINATION NOTE:

ELECTRICAL GENERAL NOTES - FACILITY INFRASTRUCTURE:

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INTERIOR ROUGH-IN AND SUPPORT SYSTEM NECESSARY FOR THE COMPLETE STRUCTURED CABLING SYSTEM DEFINED IN THIS SCOPE OF WORK. THIS INCLUDES A COMPLETE INSTALLATION OF ALL REQUIRED PATHWAYS INCLUDING: CABLE TRAY (EXCLUDES TRAY IN MTR/TR), CONDUIT, BACK BOXES, JUNCTION BOXES, FLOOR BOXES, BLOCKING, GROUNDING CONDUCTORS AND BUSBARS, FIRESTOPPING, POWER, AND ANY OTHER NECESSARY APPURTENANCES. THE ELECTRICAL CONTRACTOR SHALL UNDERSTAND THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO BID, AND WILL INCLUDE IN SCOPE OF WORK ALL REQUIREMENTS NECESSARY TO SUPPORT THE TELECOMMUNICATIONS SYSTEM TO COORDINATE AND ENSURE A FULLY FUNCTIONAL SYSTEM.

COORDINATION WITH OTHER TRADES:

EXAMINE AND REVIEW THE DOCUMENTS OF ALL DIVISIONS IN ORDER TO COORDINATE THE INSTALLATION OF WORK. USE DIMENSIONED DRAWINGS TO VERIFY THE SPACE NECESSARY FOR LOCATING OUTLETS, RACEWAYS, AND EQUIPMENT. USE FIELD MEASUREMENTS TO VERIFY DIMENSIONS WHERE AREAS ARE CONGESTED, AND EXACT LOCATION IS CRITICAL TO ENSURE PROPER INSTALLATION. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFYING THE LOCATION AND SIZE OF OPENINGS/PENETRATIONS IN FLOORS, WALLS, PARTITIONS, CEILINGS, AND ROOFS WITH THE INSTALLING TRADES; ALLOCATION OF SPACE WITH OTHER TRADES, INSTALLING WORK IN CHASES, SHAFTS, CEILING INTERSTITIAL SPACES, AND EQUIPMENT SPACES; AND THE PHASING OF INSTALLATION WORK WITH THAT OF OTHER TRADES. INSTALLATION SHALL CONFORM WITH NFPA 70 "NATIONAL ELECTRICAL CODE," ANSI/TIA, UFC 3-580-01, AND ELECTRICAL SPECIFICATIONS (UNO).

CONDUIT:

INSTALL ELECTRICAL METALLIC TUBING (EMT) CONDUIT FROM THE CABLE BACKBONE DISTRIBUTION SYSTEM, WHETHER CABLE TRAY OR ENCLOSED DUCT, TO EACH OUTLET (UNO).PROVIDE A MINIMUM OF 1 INCH EMT CONDUIT FOR STANDARD OUTLETS. WHEN CABLE TRAY OR ENCLOSED DUCT IS NOT USED, INSTALL INDIVIDUAL CONDUITS FROM THE MTR/TR TO EACH OUTLET. CONDUITS HAVE BEEN SIZED BASED ON THE NFPA, AS WELL AS ANSI/TIA 569. WHERE INSTALLATIONS VARY, INCREASE CONDUITS SIZES ACCORDING TO MAXIMUM NUMBER OF CABLES BASED ON ALLOWABLE FILL RATIO OF 40%. FOR IN-SLAB TELECOM DEVICES, WITH CONDUIT SYSTEMS LOCATED BELOW VAPOR BARRIER OR BELOW GRADE, PROVIDE HOME RUNS BACK TO THE MTR/TR SERVING THAT AREA. METALLIC PATHWAYS 3 FT OR GREATER IN LENGTH SHALL COMPLY WITH THE BONDING REQUIREMENTS OF ANSI/TIA-607. FOR CONDUITS WITH AN INTERNAL DIAMETER OF 2 IN OR LESS, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 6 TIMES THE INTERNAL DIAMETER. FOR CONDUITS WITH AN INTERNAL DIAMETER OF MORE THAN 2 IN, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING CABLE PULLING OPERATIONS. CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUIT SHALL BE TERMINATED WITH AN INSULATED BUSHING. DO NOT USE FLEXIBLE METAL CONDUIT FOR TELECOMMUNICATIONS WIRING EXCEPT WHEN INSTALLING ACCESS FLOOR BOXES IN AN ACCESS FLOOR, WHERE THE ACCESS FLOOR BOX MAY BE RELOCATED WITHIN A SPECIFIED SERVICE AREA. IN THIS CASE THE LENGTH OF THE FLEXIBLE METAL CONDUIT MUST NOT EXCEED A LENGTH OF 20 FEET (6 M) FOR EACH RUN PER TIA-569-D. ALL PENETRATIONS SHALL BE SEALED WITH AN APPROVED SEALANT OR U.L. LISTED PENETRATION DEVICE THAT WILL MAINTAIN THE FIRE, SMOKE AND WATERPROOF OR OTHER APPLICABLE RATINGS OF THE TYPE OF CONSTRUCTION BEING PENETRATED. SEE ARCHITECTURAL DRAWINGS FOR PENETRATION REQUIREMENTS. UNLESS NOTED OTHERWISE, ALL CONDUITS SHALL BE INSTALLED CONCEALED UNDER FLOOR SLABS, ABOVE THE CEILING AND WITHIN THE FINISHED WALLS. ALL OUTLET BOXES SHALL BE INSTALLED FLUSH MOUNTED WITHIN FINISHED WALLS, CEILINGS OR FLOORS. SURFACE MOUNTED RACEWAY AND OUTLET BOXES SHALL NOT BE PERMITTED ON FINISHED WALLS, CEILINGS OR FLOORS EXCEPT AS INDICATED ON THE DRAWINGS. WHEN SURFACE MOUNT RACEWAYS ARE INDICATED, PROVIDE RACEWAY TO EMT TRANSITIONAL ADAPTER AT ALL ACCESSIBLE CEILINGS. ABOVE ACCESSIBLE CEILING, ROUTE EMT TO SERVING CABLE TRAY OR SERVING MTR/TR.
PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS. PULL ROPE SHALL HAVE A MINIMUM 600LB TENSILE STRENGTH FOR ALL TELECOMMUNICATIONS CONDUITS.

WORK AREA OUTLETS:

INSTALL DOUBLE GANG ELECTRICAL BOXES, MINIMUM STANDARD SIZE 4-11/16 INCHES SQUARE AND 2-1/8 INCHES DEEP WITH APPROPRIATELY SIZED PLASTER RING FOR CONNECTION OF SINGLE GANG OR DOUBLE GANG FACEPLATE. INSTALL OUTLET BOX FOR RECESS MOUNTING WITH THE FACEPLATE FLUSH WITH THE WALL SURFACE, AT THE SAME HEIGHT AS THE ELECTRICAL OUTLETS. DO NOT PUT OUTLET BOXES IN SAME STUD CAVITY WHERE BOXES ARE ON EACH SIDE OF STC RATED WALLS.

POWER:

INSTALL A QUADRUPLEX ELECTRICAL OUTLET WITHIN 6 INCHES OF ALL WORK AREA OUTLETS TO SERVE TELECOMMUNICATIONS LOADS ASSOCIATED WITH THAT OUTLET.

TELECOM GROUNDING / BONDING:

INSTALL ALL REQUIRED TELECOM GROUNDING / BONDING PER ANSI/TIA 607, ELECTRICAL SPECIFICATIONS, TELECOM GROUNDING DETAILS / NOTES (UNO).

BLOCKING AND SUPPORT HARDWARE:

INSTALL ALL MOUNTS AND SUPPORT HARDWARE FOR TELECOM SYSTEMS; INCLUDING, UNISTRUT, ALL- THREAD OR THREADED RODS, BLOCKING, SUPPORT CABLES, ETC.

CABLE TRAYS:

THE MAXIMUM FILL OF ANY CABLE TRAY SHALL NOT EXCEED 25%, ALLOWING FACILITY USERS AN ADDITIONAL 25% SPARE CAPACITY, FOR A MAXIMUM 50% FILL RATIO (UNO). THE MAXIMUM FILL DEPTH OF ANY CABLE TRAY SHALL NOT EXCEED 6 IN. THE SPAN FOR CABLE SUPPORT SYSTEMS SHALL BE DETERMINED IN ACCORDANCE WITH THE MANUFACTURER'S MAXIMUM RECOMMENDED LOAD CAPACITY FOR A GIVEN SPAN. THESE SYSTEMS MAY BE
SUPPORTED BY THREE BASIC METHODS:
- CANTILEVER BRACKETS FROM A WALL;
- TRAPEZE OR INDIVIDUAL ROD SUPPORTS FROM ABOVE;
- OR FROM BELOW.

CABLE TRAY SUPPORTS SHALL BE LOCATED WHERE PRACTICAL SO THAT CONNECTIONS BETWEEN SECTIONS OF THE TRAY FALL BETWEEN THE SUPPORT POINT AND ONE-QUARTER THE DISTANCE OF THE SPAN. A SUPPORT SHALL BE PLACED WITHIN 24 IN ON EACH SIDE OF ANY CONNECTION TO A BEND, TEE, OR CROSS. A MINIMUM OF 12 IN ACCESS HEADROOM SHALL BE PROVIDED AND MAINTAINED ABOVE A CABLE TRAY SYSTEM OR CABLE RUNWAY. INSTALL CABLE TRAY WITH SWEEPING RADIAL TURNS. DO NOT INSTALL WITH HARD 90° TURNS. BOND CABLE TRAY PER ANSI/TIA 607, AND GROUNDING DETAILS / NOTES.

PULL BOXES:

PULL BOXES SHALL BE READILY ACCESSIBLE. PULL BOXES SHALL NOT BE PLACED IN A FIXED FALSE CEILING SPACE UNLESS IMMEDIATELY ABOVE A SUITABLY MARKED ACCESS PANEL. A PULL BOX SHALL BE PLACED IN A CONDUIT RUN WHERE:
- THE LENGTH IS OVER 100 FT;
- THERE ARE MORE THAN TWO 90º BENDS, OR EQUIVALENT;
- OR THERE IS A REVERSE (U-SHAPED) BEND IN THE RUN.

PULL BOXES SHALL BE PLACED IN A STRAIGHT SECTION OF CONDUIT. THEY SHALL NOT BE USED IN LIEU OF A BEND. THE CORRESPONDING CONDUIT ENDS SHALL BE ALIGNED WITH EACH OTHER. WHERE A PULL BOX IS REQUIRED WITH CONDUITS SMALLER THAN 1-1/4", AN OUTLET BOX MAY BE USED AS A PULL BOX. IF THE PULL BOX IS COMPRISED OF METALLIC COMPONENTS, IT SHALL BE BONDED TO GROUND.

INSIDE PLANT GENERAL NOTES:

GENERAL:
THE TELECOMMUNICATIONS DRAWINGS PROVIDED ARE DIAGRAMMATIC AND SHOW THE GENERAL LOCATION OF ALL REQUIRED DEVICES; SUCH AS OUTLETS, RACEWAYS, EQUIPMENT, AND APPURTENANCES. THEY DO NOT SHOW ALL NECESSARY OFFSETS, JUNCTION BOXES, CABLE/LADDER TRAY TRANSITIONS, CONDUIT SLEEVES/PENETRATIONS, AND ADJUSTMENTS NECESSARY BY COORDINATION WITH OTHER TRADES IN THE FIELD.

TELECOMMUNICATION CONTRACTOR'S SCOPE OF WORK:
TELECOMMUNICATION'S CONTRACTOR SHALL BE RESPONSIBLE FOR ENTIRE STRUCTURED CABLING SYSTEM ELEMENTS DEFINED IN THIS SCOPE OF WORK. THIS INCLUDES A COMPLETE INSTALLATION OF ALL PASSIVE INFRASTRUCTURE ELEMENTS SUCH AS OUTLETS, JACKS, CABLING, CABINETS, RACKS. BACKBOARDS, LADDER TRAY (LIMITED TO TELECOM ROOMS), TELECOM EQUIPMENT ROOM/CABINET BONDING, TERMINATIONS, TESTING,
LABELING, WARRANTIES, AND ALL REQUIRED CLOSE-OUT DOCUMENTS. THE TELECOMMUNICATIONS CONTRACTOR SHALL UNDERSTAND THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO BID, AND WILL INCLUDE IN SCOPE OF WORK ALL REQUIREMENTS NECESSARY TO ENSURE A FULLY FUNCTIONAL SYSTEM.

COORDINATION:
WITH OTHER TRADES EXAMINE AND REVIEW THE DOCUMENTS OF ALL DIVISIONS IN ORDER TO COORDINATE THE INSTALLATION OF WORK. USE
DIMENSIONED DRAWINGS TO VERIFY THE SPACE NECESSARY FOR LOCATING OUTLETS, RACEWAYS, AND EQUIPMENT. USE FIELD MEASUREMENTS TO VERIFY DIMENSIONS WHERE AREAS ARE CONGESTED, AND EXACT LOCATION IS CRITICAL TO ENSURE PROPER INSTALLATION. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO; VERIFYING THE LOCATION AND SIZE OF OPENINGS/PENETRATIONS IN FLOORS, WALLS, PARTITIONS, CEILINGS, AND ROOFS WITH THE INSTALLING TRADES; ALLOCATION OF SPACE WITH OTHER TRADES, INSTALLING WORK IN CHASES, SHAFTS, CEILING INTERSTITIAL SPACES, AND EQUIPMENT SPACES; AND THE PHASING OF INSTALLATION WORK WITH THAT OF OTHER TRADES. INSTALLATION SHALL CONFORM WITH NFPA 70 "NATIONAL ELECTRICAL CODE," ANSI/TIA, UFC 3-580-01, AND UFC 4-010-06 (UNO).

CABLING INSTALLATION:
ALL CABLING ROUTED IN SLAB, BELOW VAPOR BARRIER OR BELOW GRADE, SHALL BE U.L. LISTED FOR WET LOCATIONS THAT COMPLIES WITH UFC
3-580-01 AND NFPA 70 (NEC): PART V, 725.3(L), 110.11, 300.5(B), 300.6, AND 310.10(G). DO NOT USE PLENUM OR RISER RATED CABLE, GEL-FILLED OSP, AND UNLISTED CABLES IN SUCH AN ENVIRONMENT. FOR IN-FLOOR CONDUIT SYSTEMS, PROVIDE HOME RUNS BACK TO THE TR SERVING THAT AREA.
USE A FILL RATIO OF 40 PERCENT FOR CONDUIT SIZING. DO NOT INSTALL MORE THAN FOUR, FOUR-PAIR CABLES IN A 1 INCH (27 MM) CONDUIT.
PROVIDE PULL STRING IN ALL EMPTY CONDUITS AND INNERDUCT. PULL STRING TO BE RATED FOR 200LBS IN ALL CONDUITS.
TELECOMMUNICATIONS FACEPLATES SHALL MATCH ELECTRICAL SWITCH AND RECEPTACLE PLATE FINISHES. PROVIDE COVER PLATES FOR ALL UNUSED J-BOX LOCATIONS.
LABEL ALL CABLES WITHIN 4 INCHES OF EACH TERMINATION. PROVIDE 12 INCHES SERVICE LOOP AT THE WORK AREA END OF EACH HORIZONTAL CABLE. INSTALL VELCRO CABLE TIES TO ALL CABLE BUNDLES IN CABLE TRAY, NON-CONTINUOUS SUPPORTS, RACK WIRE MANAGEMENT, D-RINGS AND OTHER SUPPORT MEANS. BUNDLE ALL DIFFERENTIATING NETWORK CABLING SEPARATELY. BALANCED TWISTED-PAIR CABLING SHALL BE SEPARATED FROM FLUORESCENT LAMPS AND ASSOCIATED FIXTURES BY A MINIMUM OF 5 IN.

NON-CONTINUOUS CABLE SUPPORTS (WHEN SPECIFIED):
SUPPORTS MUST NOT EXCEED 20 CABLES OR 50 PERCENT OF THE FILL CAPACITY, WHICHEVER IS LESS; INTERVALS NOT TO EXCEED 5 FT.

CABLING INSTALLATION IN CABLE TRAYS:
A MINIMUM OF 12 IN ACCESS HEADROOM SHALL BE PROVIDED AND MAINTAINED ABOVE A CABLE TRAY SYSTEM OR CABLE RUNWAY. A MINIMUM OF 3 IN CLEAR VERTICAL SPACE SHALL BE AVAILABLE ABOVE ACCESSIBLE CEILING, BELOW THE CABLE TRAY. THE MAXIMUM FILL OF ANY CABLE TRAY SHALL NOT EXCEED 25% (UNO), ALLOWING FACILITY USERS AN ADDITIONAL 25% SPARE CAPACITY. THE MAXIMUM FILL DEPTH OF ANY CABLE TRAY SHALL NOT EXCEED 6 IN.

MAIN TELECOM ROOM (MTR) / TELECOM ROOMS (TRs):
CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR TO ENSURE TELECOM ROOMS ARE DIMENSIONALLY CONSTRUCTED AS DESIGNED. THIS INCLUDES USING FIELD MEASUREMENTS TO VERIFY ROOM DIMENSIONS, CONDUIT LOCATIONS (PRIOR TO CONCRETE POUR), WALL PENETRATIONS, AND DEVICE PLACEMENT. INSTALL BACKBOARDS IN ACCORDANCE WITH TIA-569-D. BACKBOARDS MUST BE FIRE-RETARDANT TREATED WOOD, BEARING THE MANUFACTURER'S STAMP. IF PAINTED, THE MANUFACTURER'S FIRE RATED STAMP MUST REMAIN VISIBLE. INSTALL FLOOR MOUNTED EQUIPMENT RACKS / CABINETS LOCATED AT OR NEAR THE CENTER OF THE TELECOMMUNICATION ROOM. MAINTAIN A MINIMUM OF 36 INCHES SPACE BOTH IN FRONT AND IN BACK OF THE RACK, MEASURED FROM THE EQUIPMENT, AND A MINIMUM SIDE CLEARANCE OF 24 INCHES ON AT LEAST ONE END OF THE RACK OR ROW OF ADJACENT RACKS IS REQUIRED. PROVIDE 25% SPARE CAPACITY WITHIN EACH UTILIZED RACK.

FURNITURE/MILLWORK:
ENSURE THAT THE CABLE IS PROTECTED AT ALL TRANSITION POINTS, AND THAT METALLIC SEPARATION IS PROVIDED BETWEEN TELECOMMUNICATION AND POWER WIRING IN THE UTILITY COLUMNS AND SYSTEMS FURNITURE TRACK IN ACCORDANCE WITH TIA-569-D AND NFPA 70.

ICD/ICS 705 GENERAL NOTES

TECH SPEC ICD/ICS 705 GENERAL NOTES:
PROJECT SCOPE OF WORK CONTAINS AREAS REQUIRING ADHERENCE TO THE TECHNICAL SPECIFICATIONS FOR THE ICD/ICS 705. THE SCOPE OF WORK FOR THE SPACES IS INDICATED IN THE DRAWINGS AND SPECIFICATIONS ALONG WITH ANY ADDITIONAL ELEMENTS OR COUNTERMEASURES THAT APPLY (I.E COMPARTMENTALIZATION, TEMPEST).UNDER PROJECT'S DESIGNATED A.O., INSTALLATION SHALL ADHERE TO IC TECH SPEC FOR ICD/ICS 705 V-1.5.1; JULY 26, 2021.

GENERAL ICD/ICS 705 REQUIREMENTS FOR THE SPACES INCLUDE:
- METALLIC PENETRATIONS WHICH REQUIRE TEMPEST COUNTERMEASURES, REQUIRE DIELECTRIC BREAKS.
- ALL TELECOM CABLING SHALL ENTER THE HIGH LEVEL SECURED SPACE THROUGH A SINGLE OPENING AND ALLOW FOR VISUAL INSPECTION.

TEMPEST COUNTERMEASURE GENERAL NOTES:

TEMPEST COUNTERMEASURE GENERAL NOTES:

UNDER PROJECT'S DESIGNATED CERTIFIED TEMPEST TECHNICAL AUTHORITY (CTTA) OR ACCREDITING OFFICIAL (AO), SCOPE OF WORK REQUIRES SPECIFIC TEMPEST COUNTERMEASURES IMPLEMENTED WHICH SHALL ADHERE TO CNSSAM TEMPEST 1-13; 14 JANUARY, 2014. CTTA SHALL INDICATE THE REQUIRED CATEGORY LEVEL OF INSPECTABLE SPACE AND CATEGORY LEVEL ATTENUATION OR ISOLATION.

GENERAL TEMPEST 1-13 REQUIREMENTS INCLUDE:

THE BLACK WIRELINE SEPARATION IS NOT APPLICABLE TO THE FOLLOWING:
1. FIBER OPTIC LINES THAT DO NOT HAVE A METALLIC STRENGTHENER OR ARMOR IN THE FIBER CABLE; OR
2. WIRELINES THAT ARE FIBER OPTICALLY ISOLATED OR FILTERED BEFORE LEAVING THE INSPECTABLE SPACE.

WHEN BOTH RED & BLACK WIRELINES CONTAIN METALLIC STRENGTHENERS OR ARMOR, AND LEAVE THE INSPECTABLE SPACE, REQUIRED SEPARATION SHALL BE 5CM (2 IN). FOR LEVEL I ISOLATION, SEPARATION BETWEEN RED EQUIPMENT AND BLACK EQUIPMENT WITH LINES THAT LEAVE
THE INSPECTABLE SPACE SHALL BE 1 METER. RED FIBER OR WIRELINES THAT TRAVERSE AN AREA THAT IS CONTROLLED TO A LOWER LEVEL OF CLASSIFICATION OR ACCESS CONTROL SHALL BE INSTALLED IN A PROTECTED DISTRIBUTION SYSTEM (PDS) IN ACCORDANCE WITH
CNSSI NO. 7003. BLACK WIRELINES SHALL NOT BE INSTALLED IN THE PDS UNLESS AUTHORIZED BY A CTTA.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: T. GUTHRIE; PROJ. ENGR.: D. BAGWELL	TITLE: ADDITION AND RENOVATION B521	
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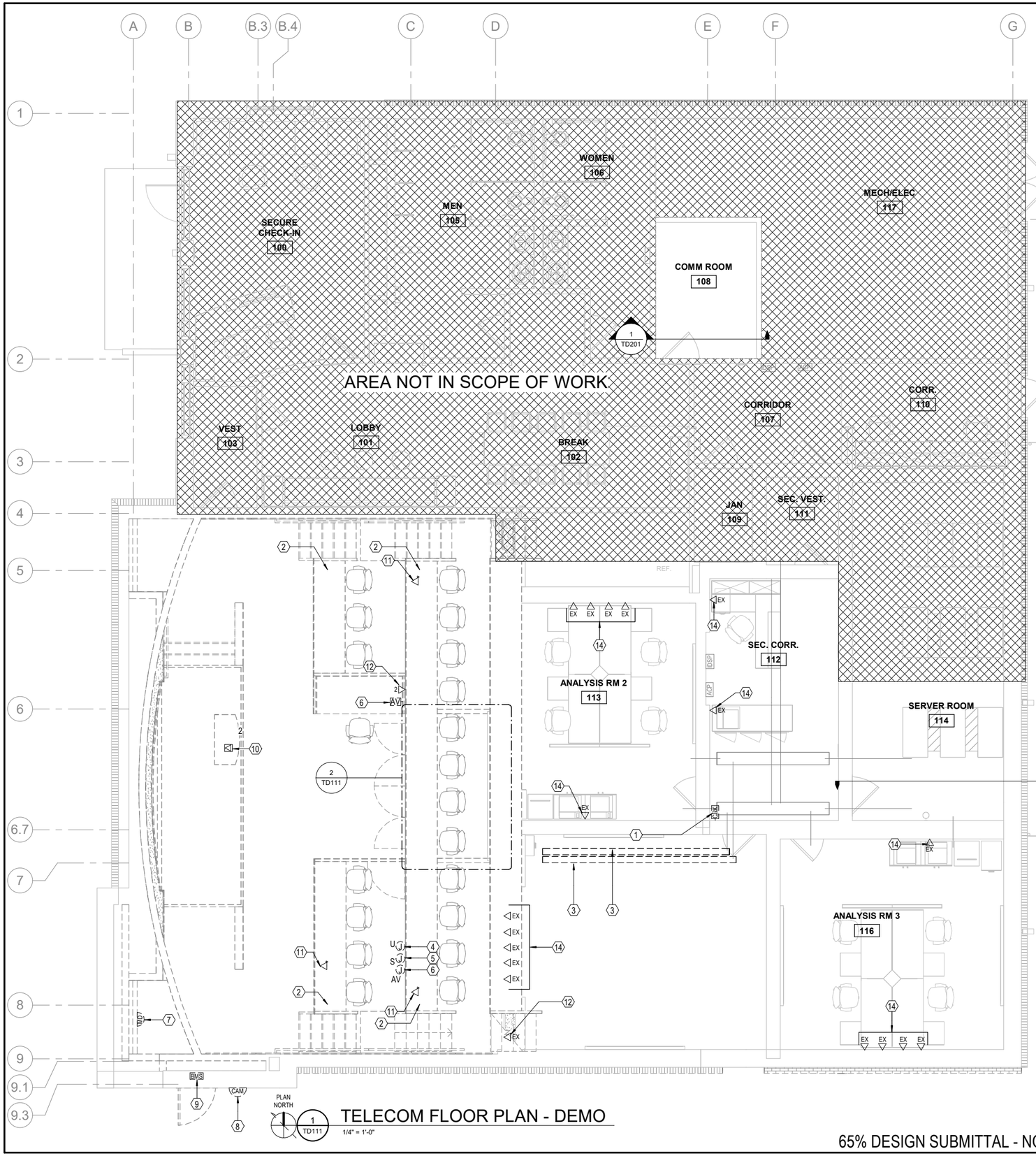
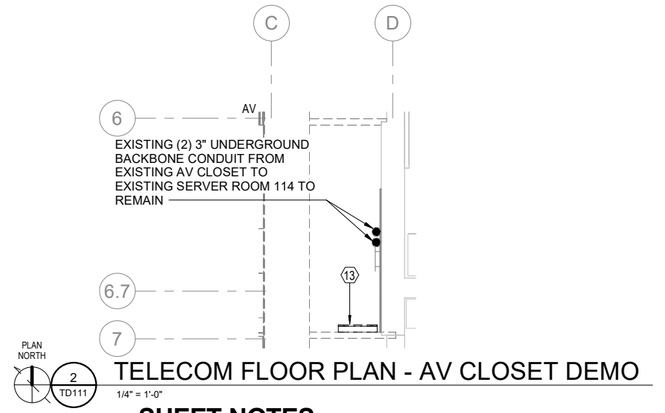
	APPROVED: SAFETY REPRESENTATIVE		
	APPROVED: DIR. BASE MED. SERVICE		
APPROVED: SECURITY FORCES	APPROVED: USING AGENCY	CONTENTS: NOTES	
APPROVED: ASUS	APPROVED: COMMUNICATIONS		
APPROVED: CHELCO	APPROVED: OPERATIONS ENGINEERING	APPROVED: 96CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: T-002	APPROVED: ENVIRONMENTAL	APPROVED: DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 21AX	PROJ. NO.: FTFA 23-MM06 / DRAWING NO.: FTFA 23-MM06 / FILE NO.	SHEET OF





SHEET NOTES

1. LOCATION OF EXISTING CARD READER TO BE MOVED TO THE NEW DESIGN ANALYSIS DOOR LOCATION.
2. EXISTING (4) 1-1/4"C & (2) 2"C. TO ABOVE TIER SLAB IN MILLWORK CHASE. (2) 1-1/4" C. ARE HOMERUN TO MTR 108, (2) 1-1/4"C. ARE UNDERGROUND TO SERVER RM 114, AND (2) 2"C. ARE TO AV CLOSET. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM. REMOVE EXISTING ABOVE GRADE CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
3. EXISTING CABLE TRAY TO BE ADJUSTED TO ACCOMMODATE THE RENOVATED WALL.
4. EXISTING JUNCTION BOX TO BE REMOVED. REMOVE ALL EXISTING CABLING BACK TO COMM. ROOM 108. REMOVE EXISTING ABOVE GRADE 1-1/4" CONDUIT BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUIT TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
5. EXISTING JUNCTION BOX TO BE REMOVED. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM 114. REMOVE EXISTING ABOVE GRADE 1" CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
6. EXISTING JUNCTION BOX TO BE REMOVED. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM 114. REMOVE EXISTING ABOVE GRADE 1" CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
7. EXISTING MOTION DETECTOR TO BE REMOVED BY GOVERNMENT.
8. EXISTING EXTERIOR CAMERA TO BE REMOVED BY GOVERNMENT.
9. EXISTING BALANCED MAGNETIC SWITCH TO BE REMOVED.
10. EXISTING ACCESS FLOOR BOX OUTLET WITH (1) 1-1/4" CONDUIT UNDERGROUND TO EXISTING COMM ROOM 108, (1) 1" CONDUIT UNDERGROUND TO EXISTING SERVER ROOM 114, AND (1) 1" CONDUIT UNDERGROUND TO AV CLOSET. REMOVE FLOOR BOX OUTLET AND ASSOCIATED ABOVE GRADE CONDUITS. UNDERGROUND CONDUIT MAY REMAIN WHERE NOT IN CONFLICT WITH NEW CONSTRUCTION.
11. EXISTING OUTLET MOUNTED IN MILLWORK TO BE REMOVED. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM. REMOVE EXISTING ABOVE GRADE CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
12. EXISTING WALL MOUNTED OUTLET WITH (1) 1-1/4" CONDUIT UNDERGROUND TO EXISTING COMM. ROOM 108, (1) 1" CONDUIT UNDERGROUND TO EXISTING SERVER ROOM 114, AND 1" CONDUIT UNDERGROUND TO AV CLOSET. REMOVE WALL MOUNTED OUTLET. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM. REMOVE EXISTING ABOVE GRADE CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
13. LOCATION OF EXISTING WALL MOUNTED CCTV EQUIPMENT CABINET TO BE RELOCATED TO MEZZANINE BY GOVERNMENT.
14. EXISTING RED NETWORK OUTLET LOCATION. EXISTING RED NETWORK CABLING WILL BE REMOVED. NEW RED NETWORK CABLING WILL BE SERVED FROM THE NEW RED NETWORK EQUIPMENT LOCATION.

0 4' 8' 16'

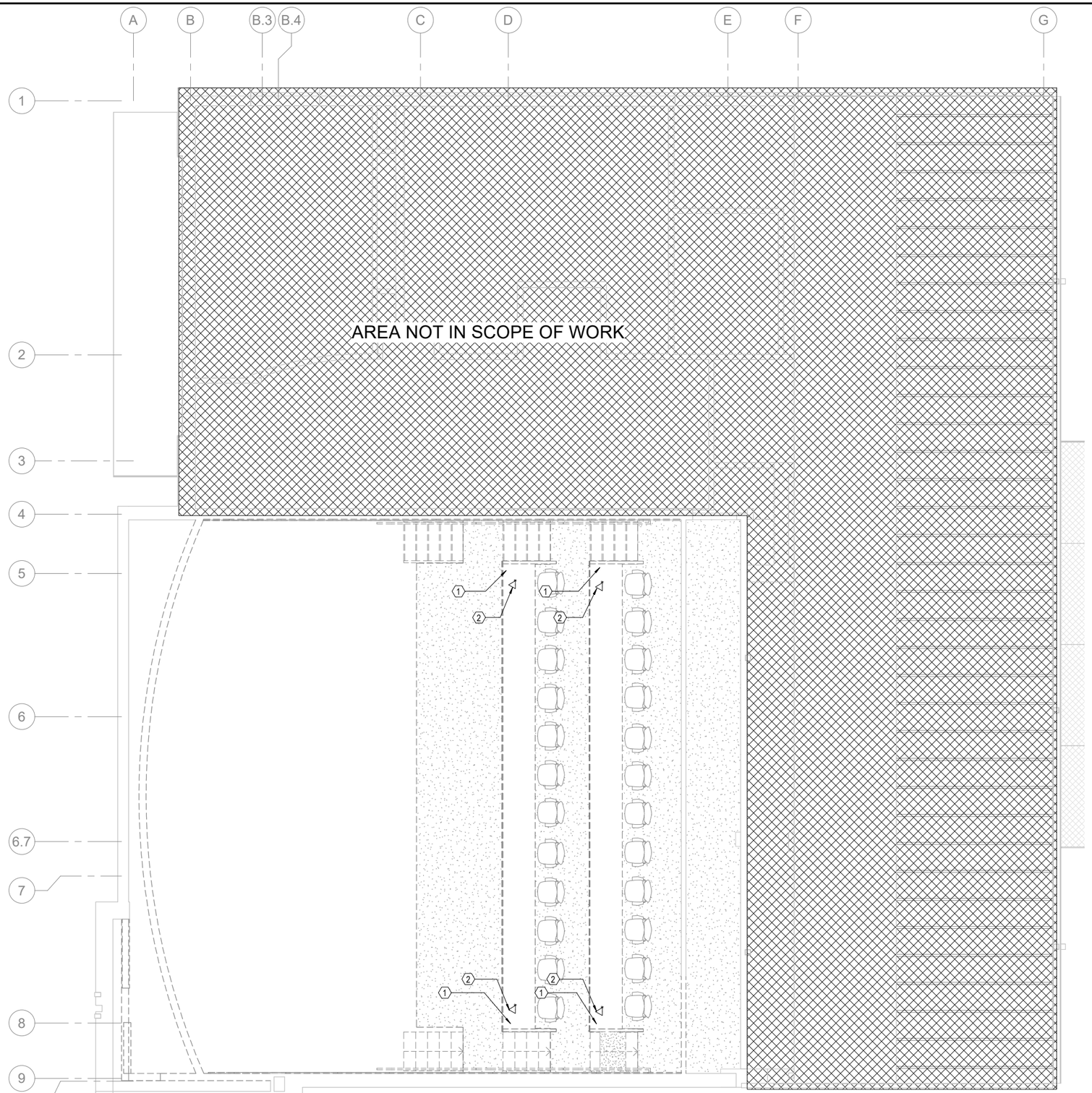
SCALE: 1/8" = 1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. D. BAGWELL		
	APPROVED		
	FIRE PREVENTION		
	APPROVED		
	SAFETY REPRESENTATIVE		
	APPROVED		
	DIR. BASE MED. SERVICE		
APPROVED	APPROVED	CONTENTS	
SECURITY FORCES	USING AGENCY		TELECOM FLOOR PLAN - DEMO
APPROVED	APPROVED		
ASUS	COMMUNICATIONS		
APPROVED	APPROVED	APPROVED	DATE 13 MARCH 2024
CHELCO	OPERATIONS ENGINEERING	96/CEG/CEN	
INDEX NO.	APPROVED	APPROVED	SCALE AS SHOWN
TD111	ENVIRONMENTAL	DEPUTY BASE CIVIL ENGINEER	
SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. FTFA 23-MM06	FILE NO.

SHEET OF



PLAN NORTH

1 TD112

TELECOM FLOOR PLAN - MEZZANINE DEMO

1/4" = 1'-0"

SHEET NOTES

1. EXISTING (4) 1-1/4"C & (2) 2"C. TO ABOVE TIER SLAB IN MILLWORK CHASE. (2) 1-1/4" C. ARE HOMERUN TO MTR 108, (2) 1-1/4"C. ARE UNDERGROUND TO SERVER RM 114, AND (2) 2"C. ARE TO AV CLOSET. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM. REMOVE EXISTING ABOVE GRADE CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.
2. EXISTING OUTLET MOUNTED IN MILLWORK TO BE REMOVED. REMOVE ALL EXISTING CABLING BACK TO SERVING ROOM. REMOVE EXISTING ABOVE GRADE CONDUITS BACK TO SLAB ENTRY LOCATION IN ROOM. EXISTING CONDUITS TO 96CS ROOM 108 AND SERVER ROOM 114 SHALL BE REUSED FOR NEW OUTLET CABLING.

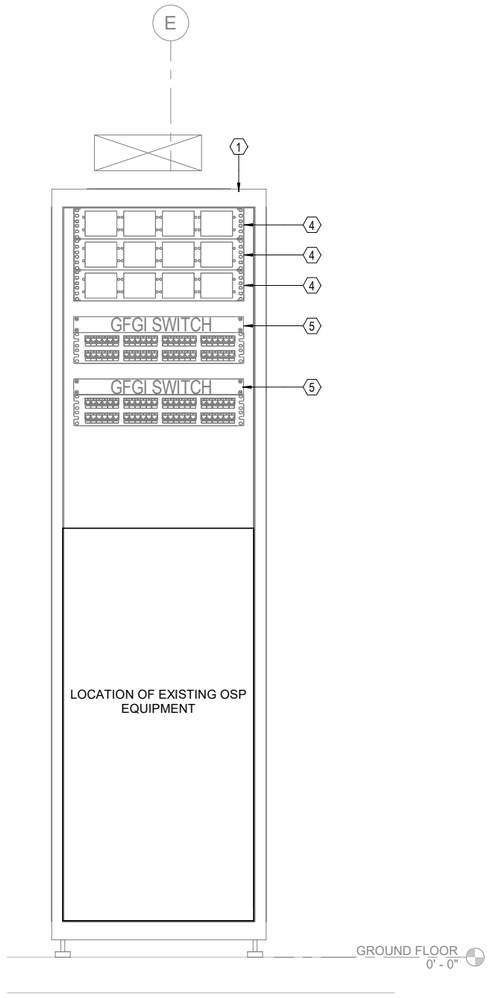
0 2' 4' 8'

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

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

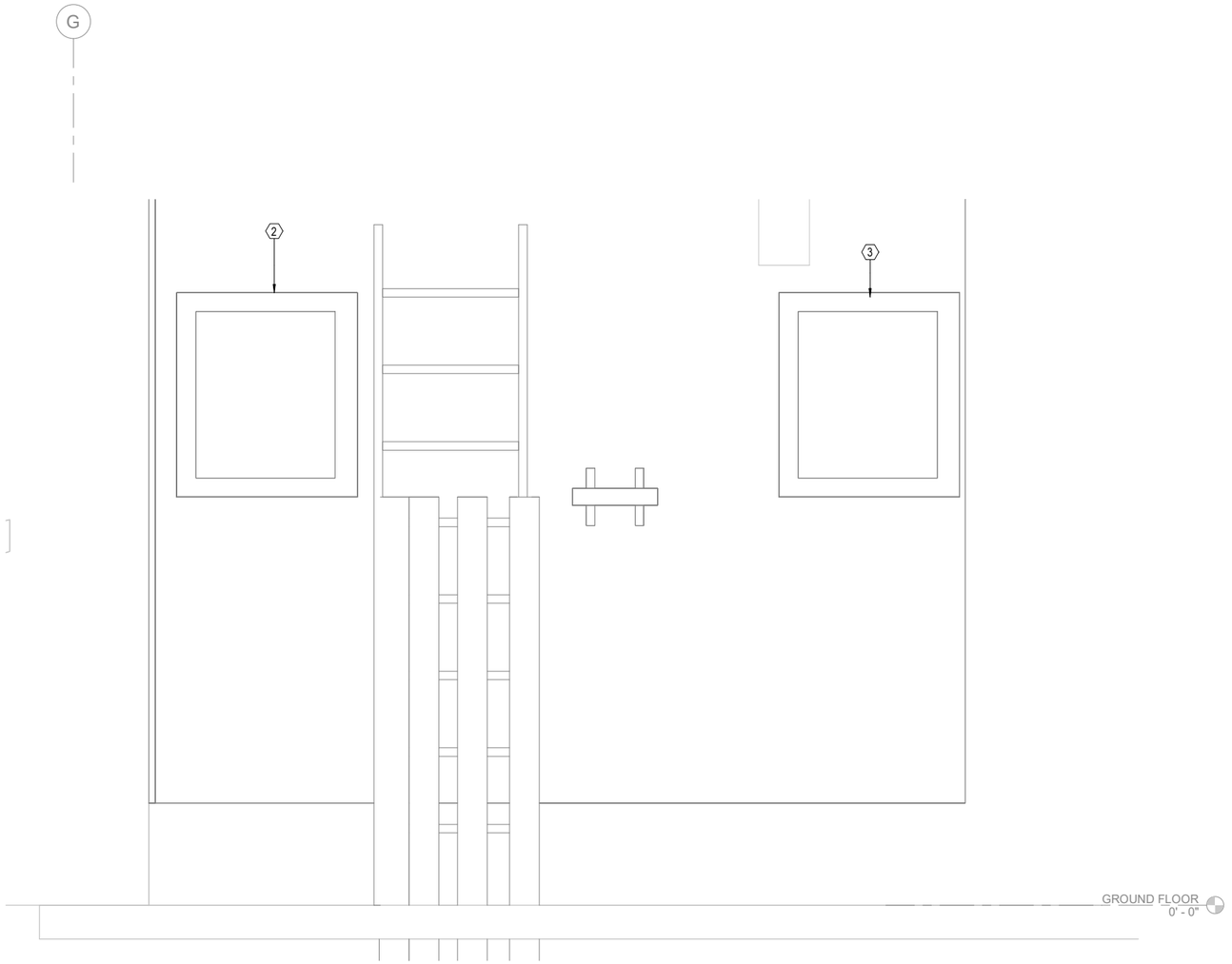
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE	
SIGNATURE	PROJ. ENGR. D. BAGWELL	ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
		TELECOM FLOOR PLAN - MEZZANINE DEMO	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96CEG/CEN	DATE 13 MARCH 2024
INDEX NO. TD112	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO.	SHEET OF



1 TD201 EXISTING COMM ROOM 108

1 1/2" = 1'-0"



3 TD201 EXISTING SEC. SERVER ROOM 114 WALL MOUNT CABINETS

1 1/2" = 1'-0"

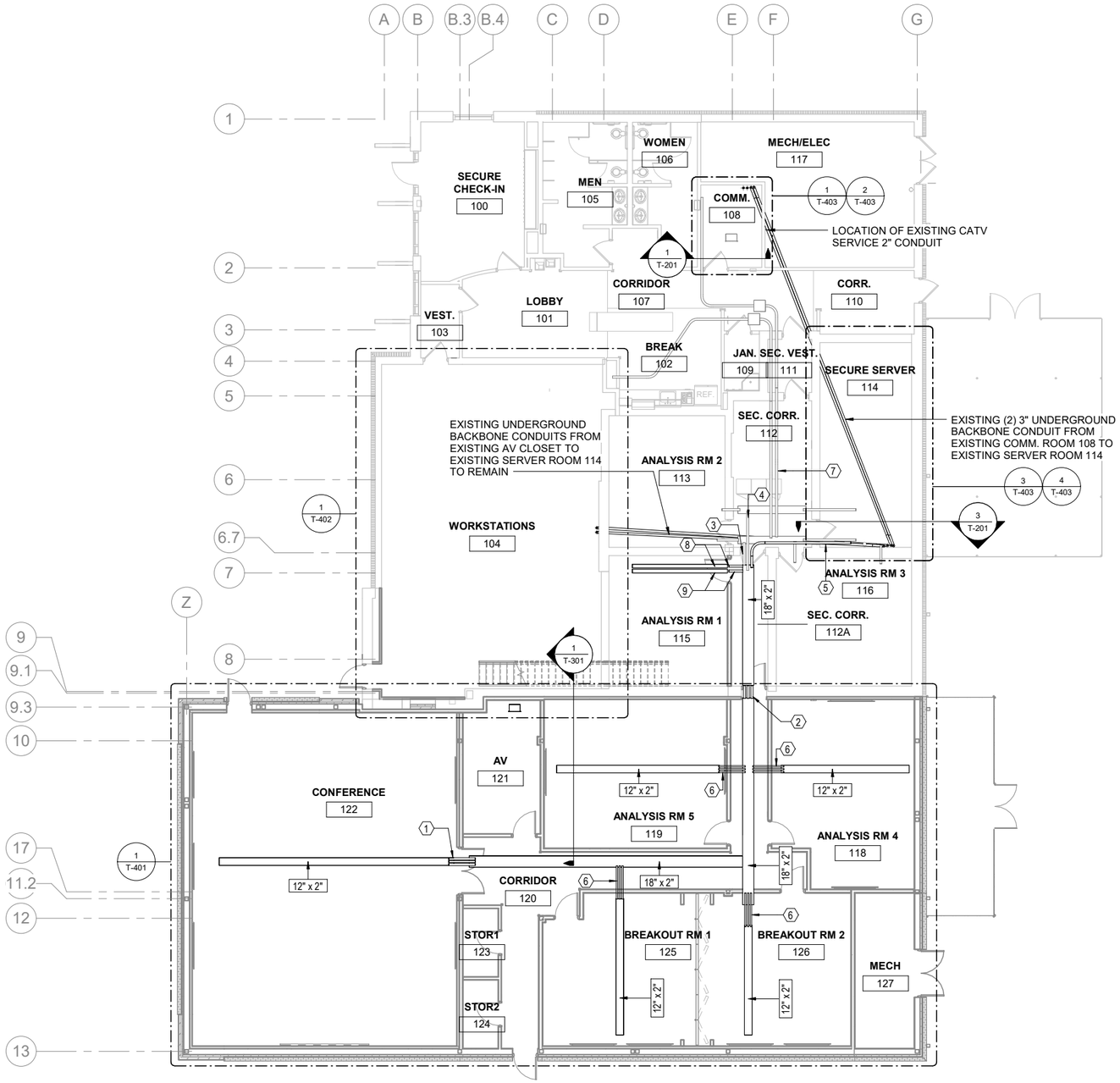
SHEET NOTES

1. EXISTING LOCKABLE FLOOR MOUNT CABINET FOR GREEN NETWORK EQUIPMENT. CABINET HAS A TOP AND BOTTOM SECTION. CONTRACTOR SHALL ADD PATCH PANEL TO THE NIPR TOP SECTION.
2. EXISTING RED NETWORK OUTLET LOCATION. EXISTING RED NETWORK CABLING WILL BE REMOVED. NEW RED NETWORK CABLING WILL BE SERVED FROM THE NEW RED NETWORK EQUIPMENT LOCATION.
3. EXISTING WALL MOUNT LOCKABLE EQUIPMENT CABINET FOR BLUE NETWORK EQUIPMENT.
4. EXISTING FIBER LIU EQUIPMENT TO REMAIN.
5. EXISTING GFGI EQUIPMENT TO REMAIN.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

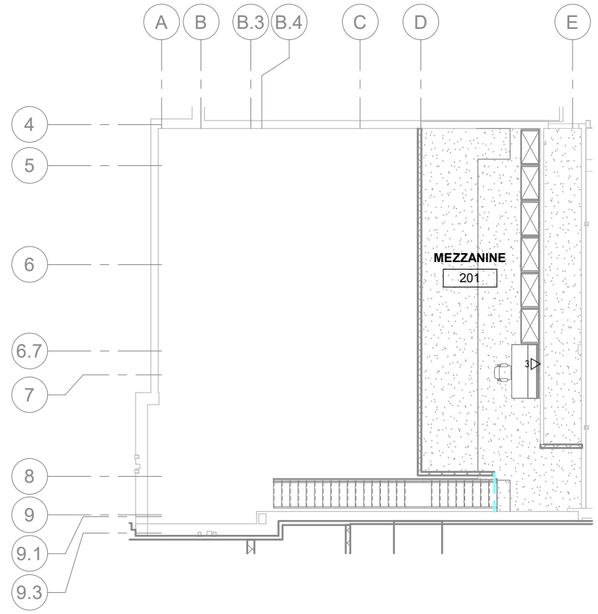
DATE / SIGNATURE	DRAWN BY: T. GUTHRIE; PROJ. ENGR.: D. BAGWELL	TITLE: ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: RACK ELEVATIONS - DEMO	
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: TD201	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 21AX	PROJ. NO.: FTFA 23-MM06 / DRAWING NO.: FTFA 23-MM06 / FILE NO.	SHEET OF



PLAN NORTH 1 T-111

TELECOM FLOOR PLAN - NEW WORK

1/8" = 1'-0"



PLAN NORTH 2 T-111

FLOOR PLAN - MEZZANINE NEW WORK

1/8" = 1'-0"

SHEET NOTES

1. NEW (3) 2" CONDUIT SLEEVES ABOVE CEILING FROM NEW CONFERENCE ROOM 122 TO CORR ROOM 120 FOR HORIZONTAL NETWORK CABLE ROUTING. ONE CONDUIT SHALL BE DEDICATED TO NON-SECURE NETWORK CABLES, ONE CABLE SHALL BE DEDICATED TO SECURE NETWORK CABLES, AND ONE CABLE SHALL BE DEDICATED TO YELLOW NETWORK CABLES ONLY.
2. PROVIDE AND INSTALL NEW WAVEGUIDES IN RF SHIELDED WALL BETWEEN ANALYSIS RM 115 AND CORRIDOR 120 FOR HORIZONTAL FIBER CABLING ROUTING THROUGH RF SHIELDED WALLS. PROVIDE SEPARATE WAVEGUIDES FOR NON-SECURE, SECURE, AND YELLOW NETWORKS.
3. EXISTING NON-SECURE 3" CONDUIT SLEEVE ABOVE CEILING FROM NEW CABLE TRAY IN SEC. CORR. ROOM 112A TO EXISTING NON-SECURE TRAY IN EXISTING SEC. CORR. 112.
4. EXISTING SECURE 3" CONDUIT SLEEVE ABOVE CEILING FROM NEW CABLE TRAY IN SEC. CORR. ROOM 112A TO EXISTING SECURE TRAY IN EXISTING SEC. CORR. 112.
5. NEW (1) 3" CONDUIT SLEEVE ABOVE CEILING FROM NEW CABLE TRAY IN SEC. CORR. ROOM 112A TO EXISTING SERVER ROOM 114 FOR YELLOW NETWORK HORIZONTAL CABLE.
6. NEW (3) 2" CONDUIT SLEEVES ABOVE CEILING FROM CORR ROOM 120 TO DESIGNATED ROOM AS SHOWN IN PLAN FOR HORIZONTAL FIBER CABLE ROUTING. ONE CONDUIT SHALL BE DEDICATED TO NON-SECURE NETWORK CABLES, ONE CABLE SHALL BE DEDICATED TO SECURE NETWORK CABLES, AND ONE CABLE SHALL BE DEDICATED TO YELLOW NETWORK CABLES ONLY.
7. EXISTING 3" CONDUIT FROM EXISTING COMM. ROOM 108 TO EXISTING TRAY IN EXISTING SEC. CORR. ROOM 112.
8. EXISTING NON-SECURE TRAY MODIFIED TO ACCOMODATE THE NEW WALL LOCATION. PROVIDE AND INSTALL NEW SPLIT PIPE THROUGH THE NEW WALL TO PROTECT THE EXISTING CABLING.
9. EXISTING SECURE TRAY MODIFIED TO ACCOMODATE THE NEW WALL LOCATION. PROVIDE AND INSTALL NEW SPLIT PIPE THROUGH THE NEW WALL TO PROTECT THE EXISTING CABLING.

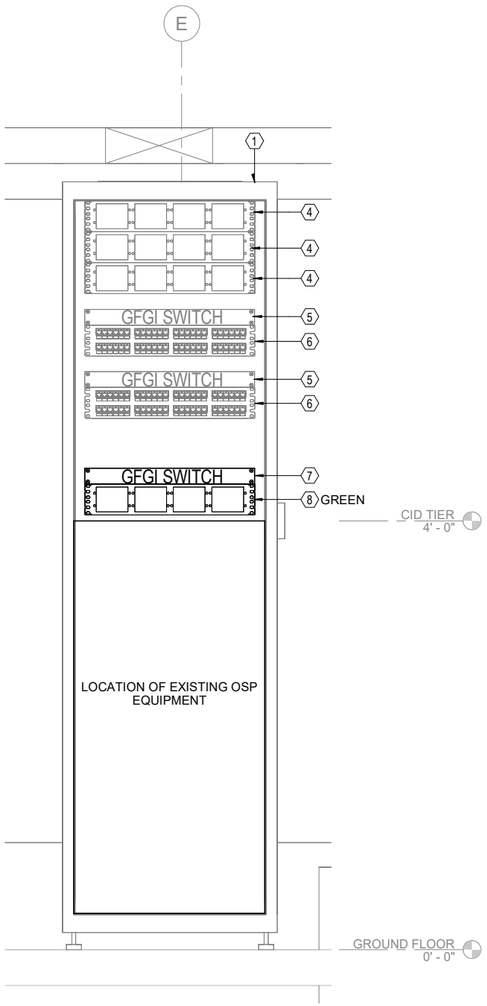
0 4' 8' 16'

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

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

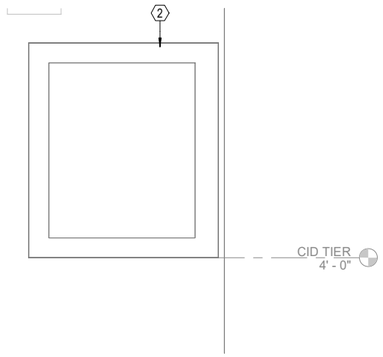
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY T. GUTHRIE; PROJ. ENGR. D. BAGWELL	TITLE: ADDITION AND RENOVATION B521
	APPROVED – FIRE PREVENTION	
	APPROVED – SAFETY REPRESENTATIVE	
	APPROVED – DIR. BASE MED. SERVICE	
APPROVED – SECURITY FORCES	APPROVED – USING AGENCY	CONTENTS: TELECOM FLOOR PLAN - NEW WORK
APPROVED – ASUS	APPROVED – COMMUNICATIONS	
APPROVED – CHELCO	APPROVED – OPERATIONS ENGINEERING	APPROVED – 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. T-111	APPROVED – ENVIRONMENTAL	APPROVED – DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN
SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. FTFA 23-MM06; FILE NO.; SHEET OF



1 T-201 EXISTING COMM ROOM 108 - NEW WORK

1 1/2" = 1'-0"

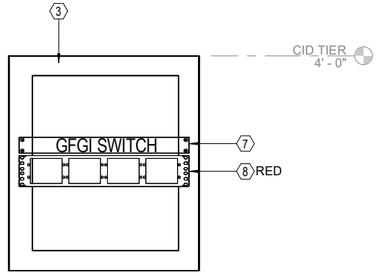


3 T-201 EXISTING SEC. SERVER ROOM 114 WALL MOUNT - NEW WORK

1 1/2" = 1'-0"

SHEET NOTES

1. EXISTING LOCKABLE FLOOR MOUNT CABINET FOR GREEN NETWORK EQUIPMENT. CABINET HAS A TOP AND BOTTOM SECTION. CONTRACTOR SHALL ADD PATCH PANEL TO THE NIPR TOP SECTION.
2. EXISTING WALL MOUNT LOCKABLE EQUIPMENT CABINET FOR BLUE NETWORK EQUIPMENT.
3. NEW WALL MOUNTED EQUIPMENT CABINET EQUAL TO HOFFMAN EWMW242430 FOR RED NETWORK EQUIPMENT. ALL NEW AND EXISTING RED NETWORK OUTLETS SHALL TERMINATE TO NEW RED EQUIPMENT CABINET.
4. EXISTING FIBER LIU EQUIPMENT TO REMAIN.
5. EXISTING GFGI EQUIPMENT TO REMAIN.
6. EXISTING FIBER DISTRIBUTION PANEL FOR HORIZONTAL CABLE ROUTING TO REMAIN.
7. GFGI NETWORKING EQUIPMENT.
8. 2RU FIBER LIU PATCH PANEL. CAPACITY OF ACCOMMODATING UPTO 192 STRANDS OF FIBER.



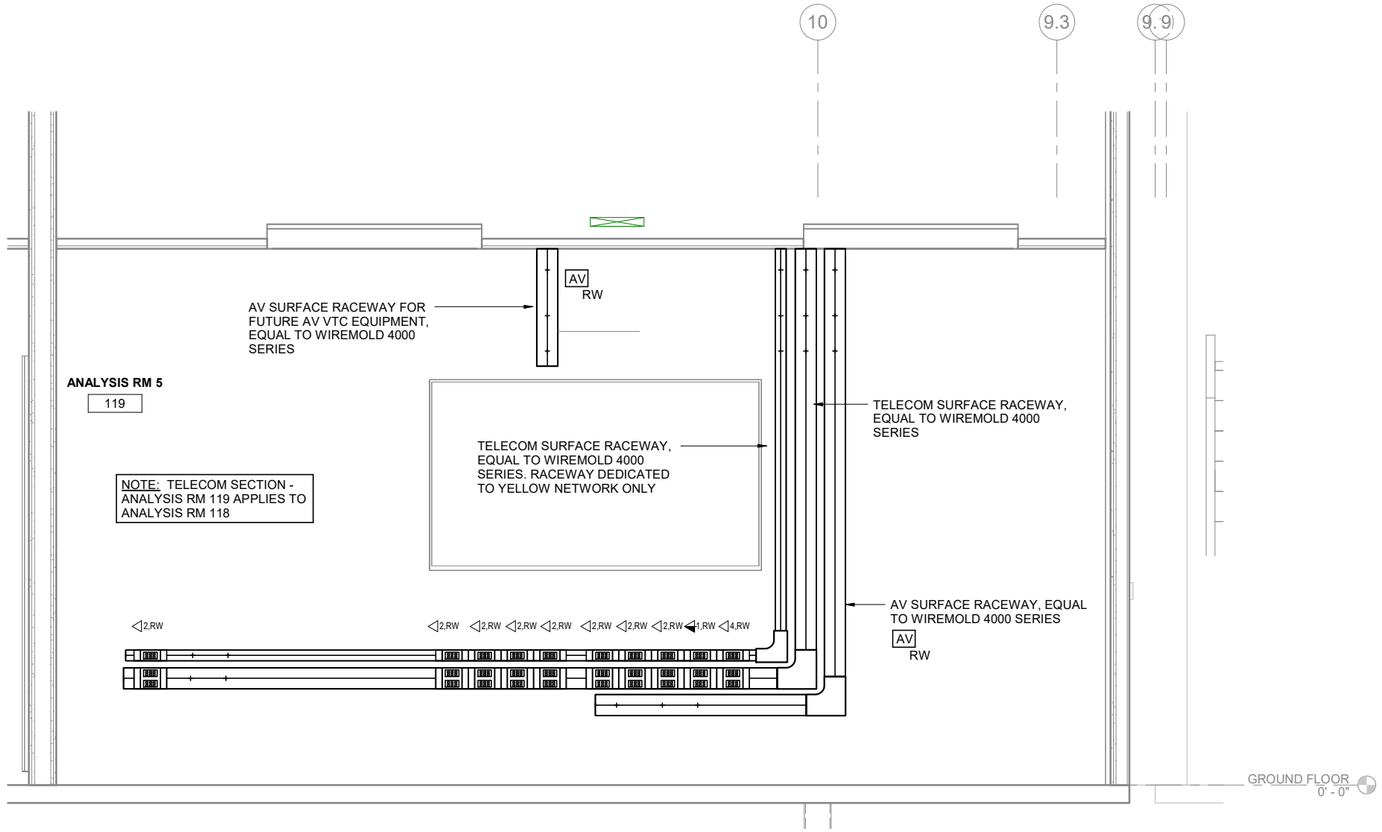
4 T-201 AV ROOM 121 - NEW WORK

1 1/2" = 1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY T. GUTHRIE; PROJ. ENGR. D. BAGWELL	TITLE: ADDITION AND RENOVATION B521	
	APPROVED — FIRE PREVENTION		
	APPROVED — SAFETY REPRESENTATIVE		
	APPROVED — DIR. BASE MED. SERVICE		
APPROVED — SECURITY FORCES	APPROVED — USING AGENCY	CONTENTS: RACK ELEVATIONS	
APPROVED — ASUS	APPROVED — COMMUNICATIONS		
APPROVED — CHELCO	APPROVED — OPERATIONS ENGINEERING	APPROVED — 96CEG/CEN	DATE: 13 MARCH 2024
INDEX NO. T-201	APPROVED — ENVIRONMENTAL	APPROVED — DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO.	SHEET OF



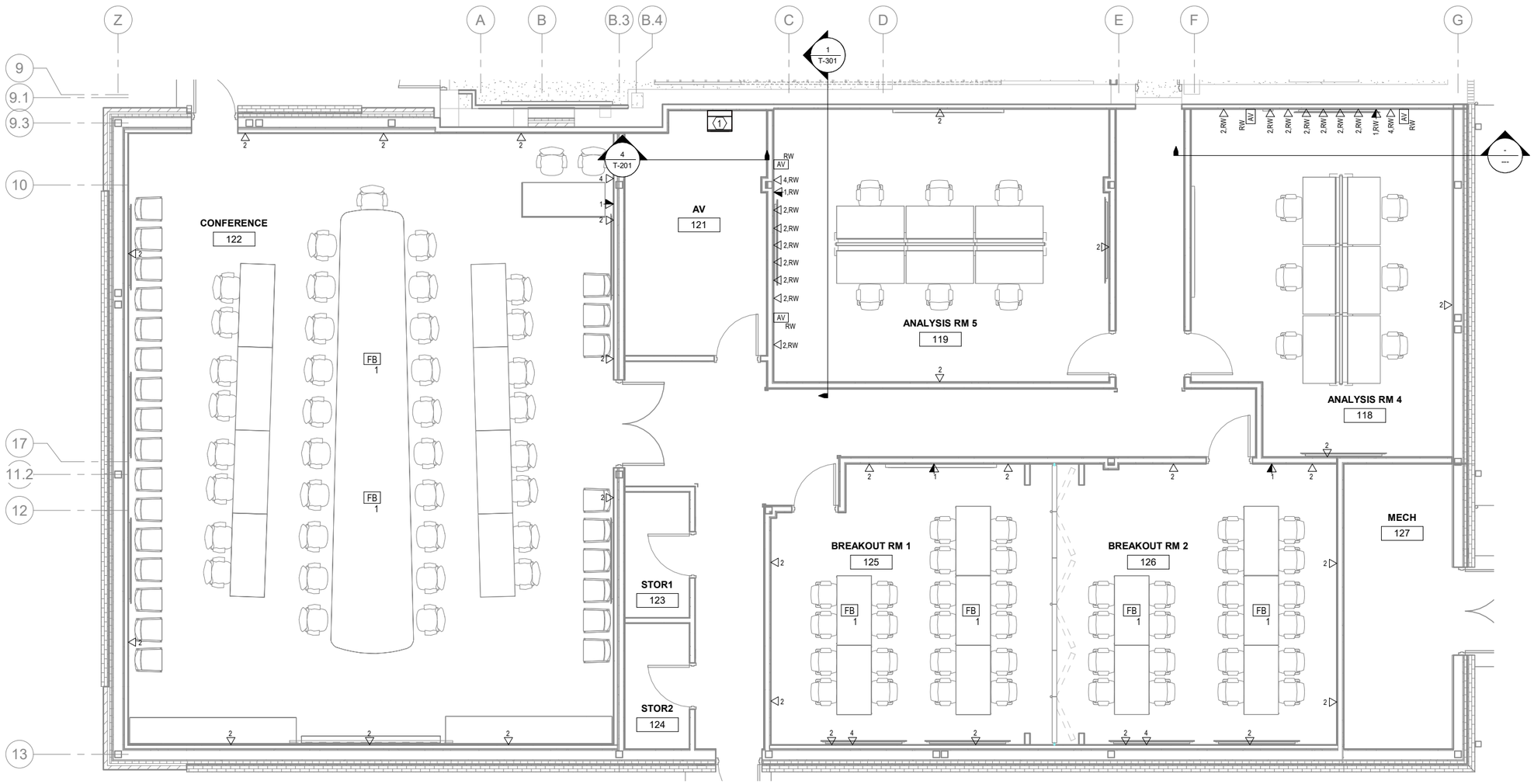
1 T-301 TELECOM SECTION - ANALYSIS RM 119

3/4" = 1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: T. GUTHRIE; PROJ. ENGR.: D. BAGWELL	TITLE: ADDITION AND RENOVATION B521	
	APPROVED / FIRE PREVENTION		
	APPROVED / SAFETY REPRESENTATIVE		
	APPROVED / DIR. BASE MED. SERVICE		
APPROVED / SECURITY FORCES	APPROVED / USING AGENCY	CONTENTS: TELECOM SECTION - ANALYSIS RM 119	
APPROVED / ASUS	APPROVED / COMMUNICATIONS		
APPROVED / CHELCO	APPROVED / OPERATIONS ENGINEERING	APPROVED / 96CEG/CEN	DATE: 13 MARCH 2024
INDEX NO.: T-301	APPROVED / ENVIRONMENTAL	APPROVED / DEPUTY BASE CIVIL ENGINEER	SCALE: AS SHOWN
	SPEC. NO.: 21AX	PROJ. NO.: FTFA 23-MM06 / DRAWING NO.: FTFA 23-MM06 / FILE NO.	SHEET OF



PLAN NORTH

1
T-401

ENLARGED TELECOM DEVICE PLAN - NEW ADDITION

1/4" = 1'-0"

0 2' 4' 8'

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

SHEET NOTES

(1) NEW WALL MOUNTED EQUIPMENT CABINET EQUAL TO HOFFMAN EWMW242430 FOR RED NETWORK EQUIPMENT. ALL NEW AND EXISTING RED NETWORK OUTLETS SHALL TERMINATE TO NEW RED EQUIPMENT CABINET.

GENERAL NOTES

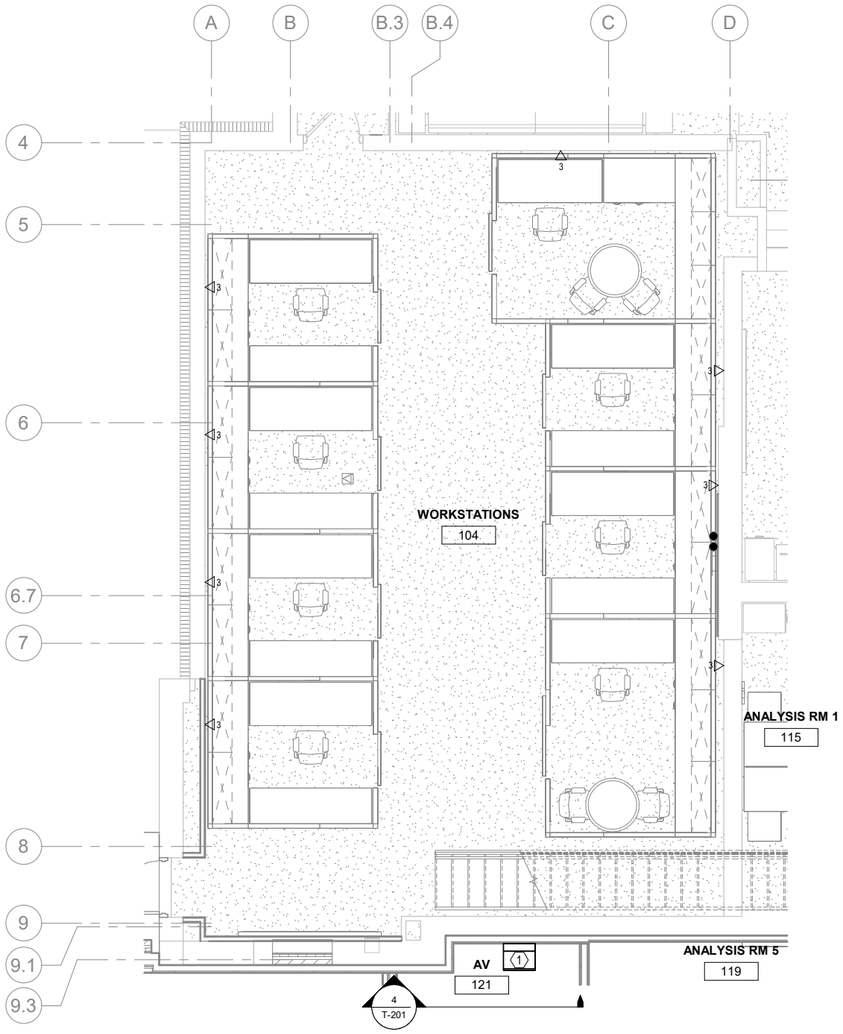
1. CONTRACTOR SHALL PROVIDE ALL LADDER TRAY COMPONENTS (WALL ANGLE SUPPORT BRACKETS, BUTT SPLICES, JUNCTION SPLICES, WALL ANGLE SUPPORTS, FLOOR MOUNTING KITS, ETC.) TO PROVIDE A FULLY FUNCTIONAL LADDER TRAY DISTRIBUTION SYSTEM.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR D. BAGWELL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ENLARGED TELECOM DEVICE PLAN - NEW ADDITION
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN; DATE 13 MARCH 2024
INDEX NO. T-401	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER; SCALE AS SHOWN

SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
21AX	FTFA 23-MM06	FTFA 23-MM06		



PLAN NORTH

1 T-402

ENLARGED TELECOM DEVICE PLAN - WORKSTATIONS ROOM 104

1/4" = 1'-0"

0 2' 4' 8'

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

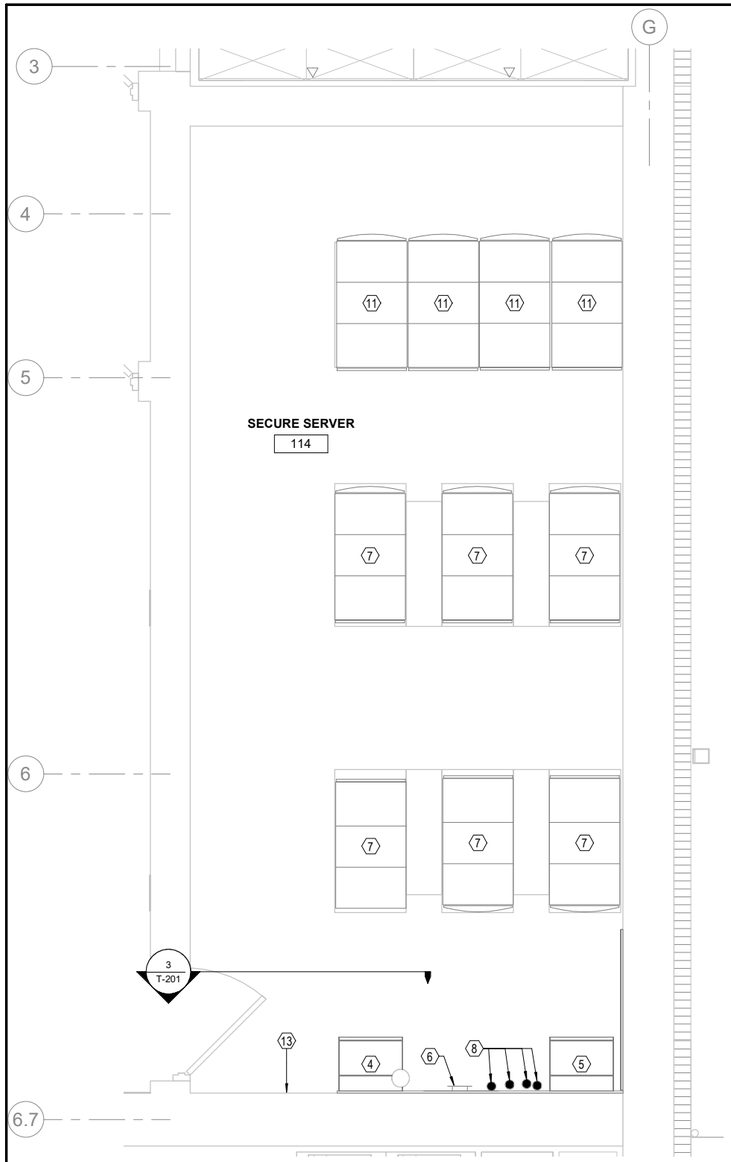
SHEET NOTES

1. NEW WALL MOUNTED EQUIPMENT CABINET EQUAL TO HOFFMAN EWMW242430 FOR RED NETWORK EQUIPMENT. ALL NEW AND EXISTING RED NETWORK OUTLETS SHALL TERMINATE TO NEW RED EQUIPMENT CABINET.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

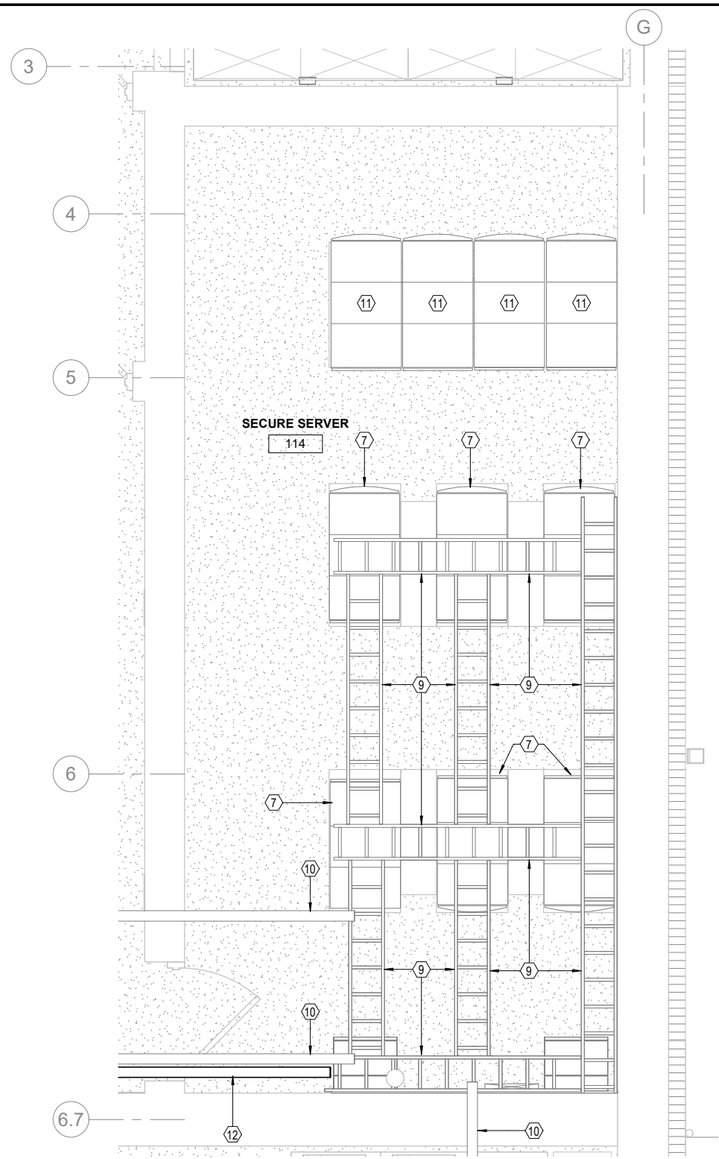
DATE	DRAWN BY T. GUTHRIE	TITLE	
SIGNATURE	PROJ. ENGR. D. BAGWELL	ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
APPROVED ASUS	APPROVED COMMUNICATIONS	ENLARGED TELECOM DEVICE PLAN - WORKSTATIONS ROOM 104	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96CEG/CEN	DATE 13 MARCH 2024
INDEX NO. T-402	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO.	SHEET OF



PLAN NORTH 3 T-403

ENLARGED EQUIPMENT PLAN - EXISTING SEC. SERVER ROOM 114

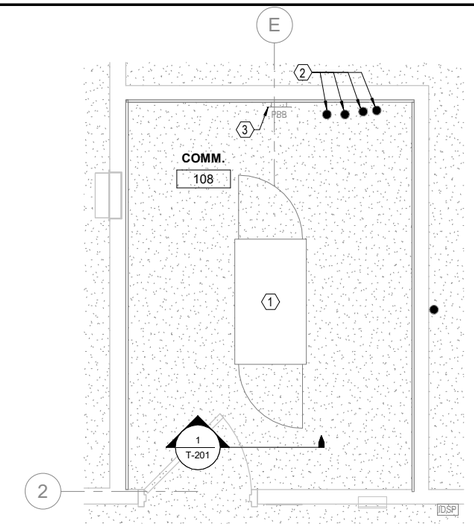
1/2" = 1'-0"



PLAN NORTH 4 T-403

ENLARGED LADDER TRAY PLAN - EXISTING SEC. SERVER ROOM 114

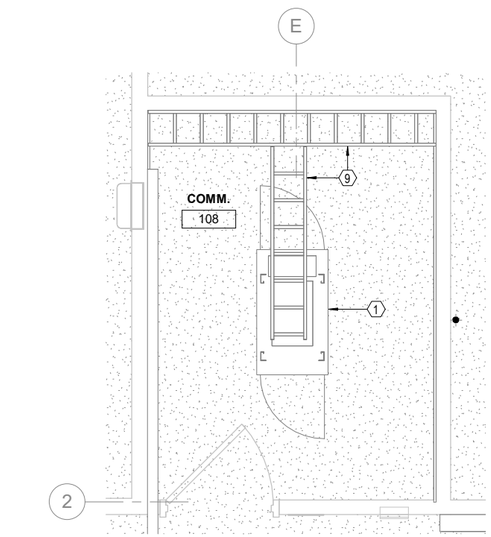
1/2" = 1'-0"



PLAN NORTH 1 T-403

ENLARGED EQUIPMENT PLAN - EXISTING COMM. ROOM 108

1/2" = 1'-0"



PLAN NORTH 2 T-403

ENLARGED LADDER TRAY PLAN - EXISTING COMM. ROOM 108

1/2" = 1'-0"

0 2' 4' 8'

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

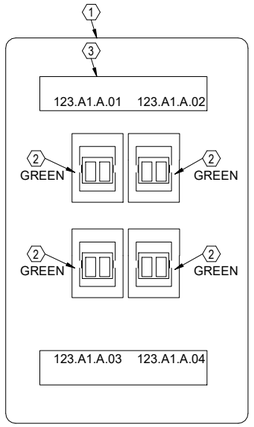
SHEET NOTES

1. EXISTING LOCKABLE FLOOR MOUNT CABINET FOR GREEN NETWORK EQUIPMENT. CABINET HAS A TOP AND BOTTOM SECTION. CONTRACTOR SHALL ADD PATCH PANEL TO THE NIPR TOP SECTION.
2. EXISTING SERVICE BACKBONE CONDUITS.
3. EXISTING PRIMARY BONDING BUSBAR.
4. EXISTING WALL MOUNT LOCKABLE EQUIPMENT CABINET FOR BLUE NETWORK EQUIPMENT.
5. EXISTING WALL MOUNT LOCKABLE EQUIPMENT CABINET FOR RED NETWORK EQUIPMENT. REMOVE CABINET, EQUIPMENT, AND ASSOCIATED HORIZONTAL CABLING BACK TO OUTLET.
6. EXISTING SECONDARY BONDING BUSBAR.
7. EXISTING FLOOR MOUNTED SERVER CABINET.
8. EXISTING BELOW FLOOR CONDUIT.
9. EXISTING 12" WIDE CABLE RUNWAY.
10. EXISTING ABOVE CEILING CONDUIT.
11. EXISTING UPS EQUIPMENT.
12. NEW (1) 3" CONDUIT SLEEVE ABOVE CEILING FROM NEW CABLE TRAY IN SEC. CORR. ROOM 112A TO EXISTING SERVER ROOM 114 FOR YELLOW NETWORK HORIZONTAL CABLE.
13. LOCATION OF EXISTING EQUIPMENT CABINET FOR YELLOW NETWORK EQUIPMENT.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. D. BAGWELL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: ENLARGED COMM AND SERVER ROOM PLANS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. T-403	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO. — SHEET OF



FACEPLATE DETAIL KEY NOTES:

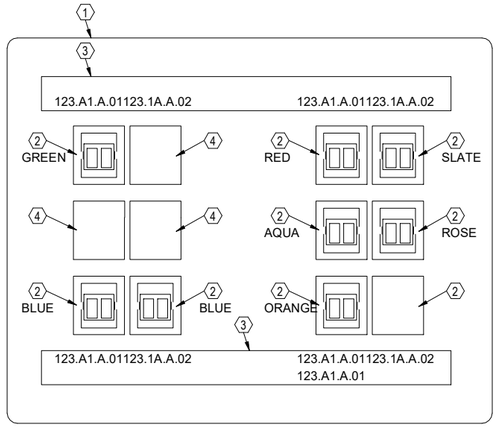
1. COMMUNICATIONS OUTLET FACEPLATE
2. SINGLE PORT DUPLEX "LC" CONNECTOR MODULE, COLORED NETWORK INDICATED
3. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
4. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR.

TYPICAL FOR:

◀ 1

1 T-501 UNSECURE NETWORK OUTLET FACEPLATE DETAIL - TYPE '1'

NOT TO SCALE



FACEPLATE DETAIL KEY NOTES:

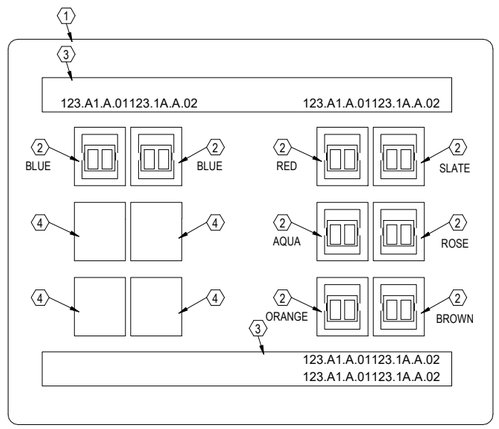
1. COMMUNICATIONS OUTLET FACEPLATE
2. SINGLE PORT DUPLEX "LC" CONNECTOR MODULE, COLORED NETWORK INDICATED
3. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
4. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR.

TYPICAL FOR:

◁ 1

2 T-501 SPECIAL SYSTEMS NETWORK OUTLET FACEPLATE DETAIL - TYPE '1'

NOT TO SCALE



FACEPLATE DETAIL KEY NOTES:

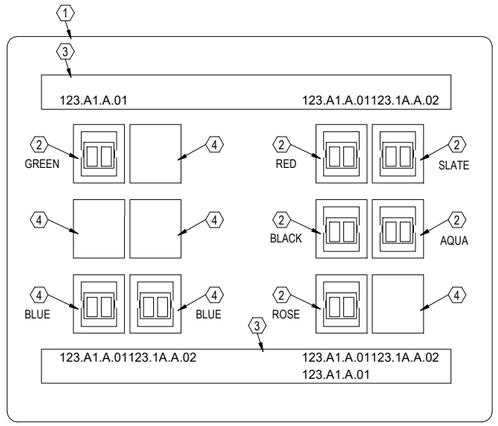
1. COMMUNICATIONS OUTLET FACEPLATE
2. SINGLE PORT DUPLEX "LC" CONNECTOR MODULE, COLORED NETWORK INDICATED
3. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
4. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR.

TYPICAL FOR:

◁ 2

3 T-501 SPECIAL SYSTEMS NETWORK OUTLET FACEPLATE DETAIL - TYPE '2'

NOT TO SCALE



FACEPLATE DETAIL KEY NOTES:

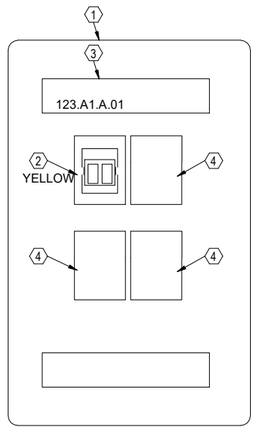
1. COMMUNICATIONS OUTLET FACEPLATE
2. SINGLE PORT DUPLEX "LC" CONNECTOR MODULE, COLORED NETWORK INDICATED
3. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
4. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR.

TYPICAL FOR:

◁ 3

4 T-501 SPECIAL SYSTEMS NETWORK OUTLET FACEPLATE DETAIL - TYPE '3'

NOT TO SCALE



FACEPLATE DETAIL KEY NOTES:

1. COMMUNICATIONS OUTLET FACEPLATE
2. SINGLE PORT DUPLEX "LC" CONNECTOR MODULE, COLORED NETWORK INDICATED
3. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
4. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR.

TYPICAL FOR:

◁ 4

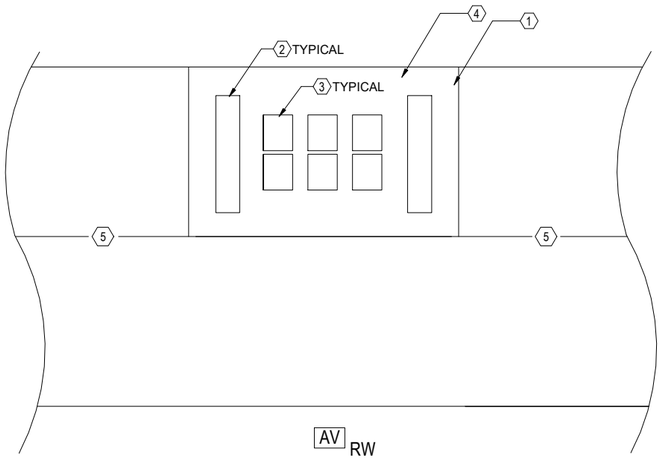
5 T-501 SPECIAL SYSTEMS NETWORK OUTLET FACEPLATE DETAIL - TYPE '4'

NOT TO SCALE

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE	
SIGNATURE	PROJ. ENGR. D. BAGWELL	ADDITION AND RENOVATION B521	
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	
APPROVED ASUS	APPROVED COMMUNICATIONS	FACEPLATE DETAILS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96CEG/CEN	DATE 13 MARCH 2024
INDEX NO. T-501	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO.	SHEET OF

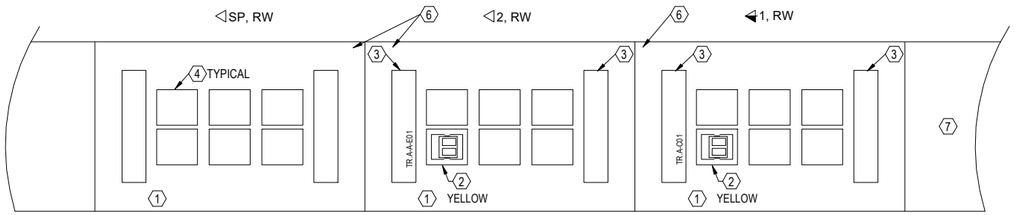


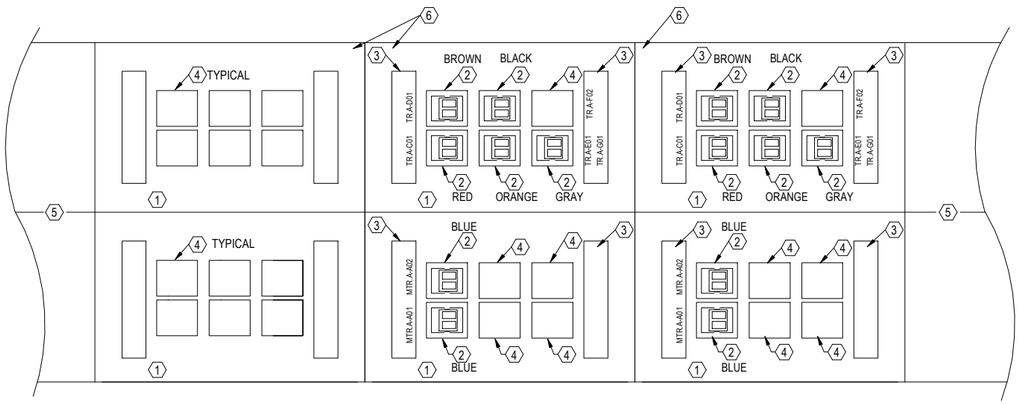
FACEPLATE DETAIL KEY NOTES:

1. AUDIO VISUAL BLANK PLATE.
2. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
3. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR.
4. SINGLE GANG MULTI-PORT MODULE INSERT.
5. PROVIDE RACEWAY, WITH DUAL CHANNEL INSERT, EQUAL TO WIREMOLD 4000 SERIES.

1 / T-502 TYPICAL RACEWAY DETAIL - AV RACEWAY WITH BLANK FACEPLATE

NOT TO SCALE





2 / T-502 TYPICAL RACEWAY 'RW' DETAIL - WITH TYPE '2' & 'SP' FACEPLATES

NOT TO SCALE

FACEPLATE DETAIL KEY NOTES:

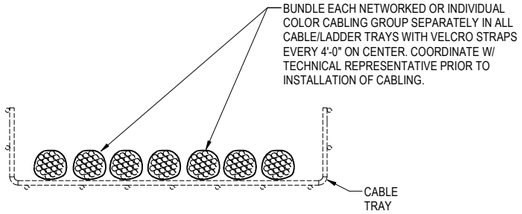
1. COMMUNICATIONS OUTLET FACEPLATE
2. SINGLE PORT DUPLEX "LC" CONNECTOR MODULE, COLORED NETWORK INDICATED.
3. COMMUNICATIONS OUTLET IDENTIFIER ON LASER PRINTED INSERT UNDER FACTORY PLASTIC COVER.
4. SNAP-IN BLANK MODULE, COLOR TO MATCH FACEPLATE COLOR
5. PROVIDE RACEWAY, WITH DUAL CANNEL INSERT, EQUAL TO WIREMOLD 4000 SERIES.
6. DOUBLE GANG TELECOM PORT MODULE INSERT.
7. PROVIDE RACEWAY, SINGLE CHANNEL, EQUAL TO WIREMOLD 3000 SERIES.

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

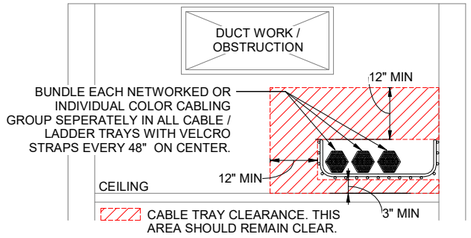
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY T. GUTHRIE; PROJ. ENGR. D. BAGWELL	TITLE: ADDITION AND RENOVATION B521
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: TELECOM SURFACE RACEWAY DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96CEG/CEN — DATE 13 MARCH 2024
INDEX NO. T-502	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN

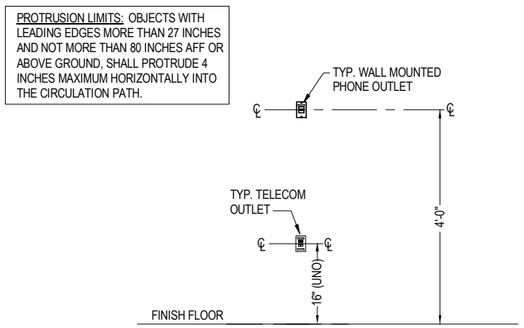
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF
21AX	FTFA 23-MM06	FTFA 23-MM06		



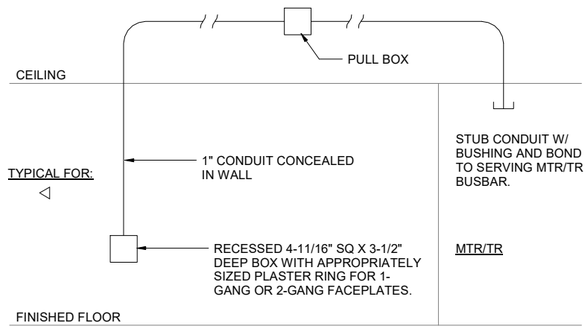
1 T-503 CABLE GROUP BUNDLE DETAIL
NOT TO SCALE



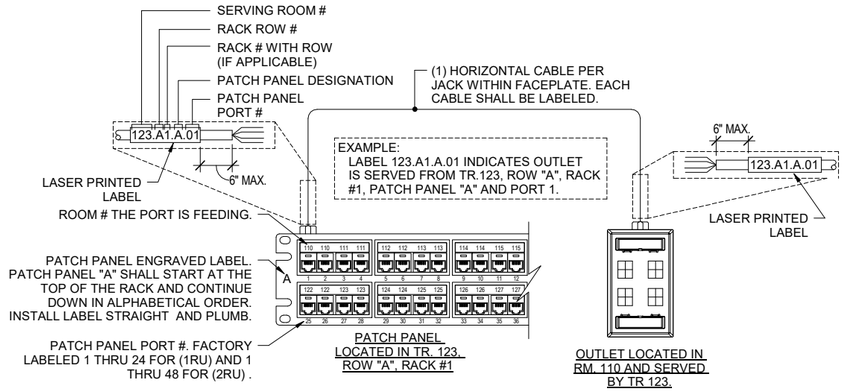
2 T-503 TELECOM CABLE TRAY CLEARANCE DETAIL
NOT TO SCALE



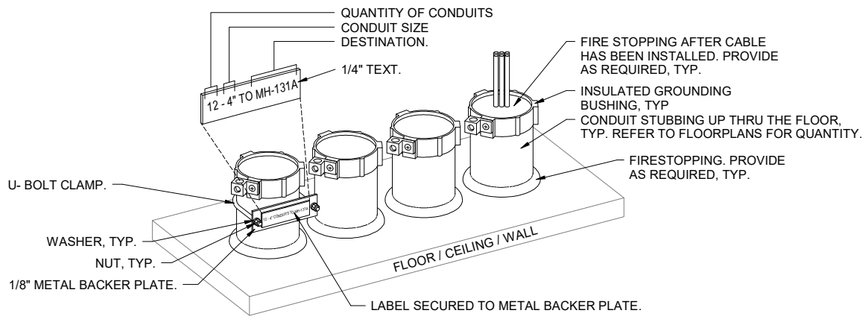
3 T-503 TYPICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE



4 T-503 TYPICAL TELECOM DEVICE MOUNTING DETAIL
NOT TO SCALE



5 T-503 TELECOM PATCH PANEL / WIRE LABELING DETAIL
NOT TO SCALE



NOTES:

1. THE U-BOLT CLAMP SHALL BE TIGHTEN DOWN TO THE CONDUIT ENOUGH TO HAVE A TIGHT FIT BUT NOT SO TIGHT THAT IT JEOPARDIZES THE INTEGRITY OF THE CONDUIT.
2. EACH GROUP OF CONDUITS THAT SHARE THE SAME CONDUIT SIZE AND DESTINATIONS SHALL HAVE THEIR OWN LABEL. DO NOT PUT MULTIPLE GROUPS OR MULTIPLE SIZE CONDUITS ON THE SAME LABEL. LABELING SHALL START AND BE READ FROM LEFT TO RIGHT.
3. LABEL SHALL BE ORIENTATED BASE ON THE CONDUIT PENETRATION. LABELS SHALL MAINTAIN THE LEFT TO RIGHT ORIENTATION.
4. ENGRAVED PLASTIC TAG WITH 1/4" BLACK LETTERS ON WHITE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH STAINLESS STEEL SCREWS OR POP RIVETS. ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED.

6 T-503 TELECOM CONDUIT LABELING DETAIL
NOT TO SCALE

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE / SIGNATURE	DRAWN BY: T. GUTHRIE; PROJ. ENGR.: D. BAGWELL; APPROVED FIRE PREVENTION; APPROVED SAFETY REPRESENTATIVE; APPROVED DIR. BASE MED. SERVICE	TITLE: ADDITION AND RENOVATION B521	
APPROVED SECURITY FORCES; APPROVED ASUS; APPROVED CHELCO	APPROVED USING AGENCY; APPROVED COMMUNICATIONS; APPROVED OPERATIONS ENGINEERING; APPROVED ENVIRONMENTAL	CONTENTS: DETAILS; APPROVED 96/CEG/CEN; APPROVED DEPUTY BASE CIVIL ENGINEER	DATE: 13 MARCH 2024; SCALE: AS SHOWN
INDEX NO.: T-503	SPEC. NO.: 21AX	PROJ. NO.: FTFA 23-MM06; DRAWING NO.: FTFA 23-MM06; FILE NO.	SHEET OF

RISER DIAGRAM COMPONENTS LEGEND

RACK MOUNTED FIBER LIU. PROVIDE 36" OF SLACK WITHIN THE ENCLOSURE WITH THE OUTER SHEATHING REMOVED. PROVIDE QUANTITY OF FIBER ADATPER PANELS WITH "LC" CONNECTORS AND PIGTAILS AS REQUIRED. REFER TO RACK ELEVATIONS FOR ADDITIONAL REQUIREMENTS.

GFGI NETWORKING EQUIPMENT.

FIBER CONNECTOR WITH DUPLEX "LC" STYLE CONNECTORS.

PATCH CORD CONNECTOR

FIBER OPTIC HARD TERMINATION.

CONTINUATION SYMBOL.

10' OF SLACK NEATLY COILED WITHIN TR LADDER TRAY.

WORKSTATION OUTLET.

(#) KEY NOTE.

RISER DIAGRAM LINETYPE LEGEND

NEW WORK / PROVIDED BY THE CONTRACTOR

EXISTING TO REMAIN / PROVIDED BY THE OTHERS

TO BE DEMOLISHED

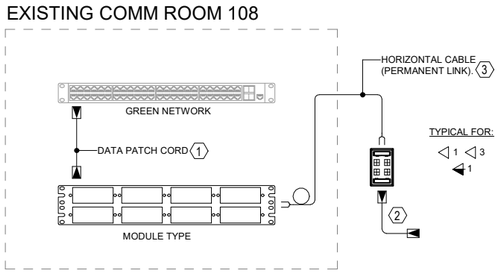
BUILDING / ROOM OUTLINE

SHEET NOTES

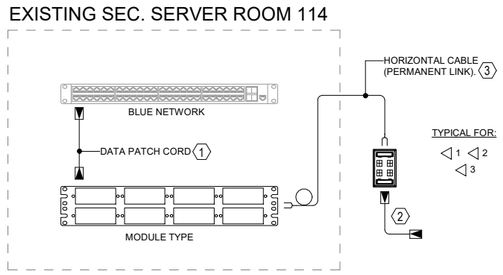
1. FIBER OPTIC PATCH CORD; DUAL STRAND, DIELECTRIC, PRE-MANUFACTURED, FACTORY TERMINATED AND TESTED. PROVIDE QUANTITY AS REQUIRED, PLUS 25% SPARE. PATCH CORD TYPE TO MATCH SERVING DEVICES. COLOR TO MATCH SERVING NETWORK, UNO. COORDINATE FINAL PATCH CORD PATCH CORD REQUIREMENTS WITH TECHNICAL REPRESENTATIVE (UNO).
2. FIBER OPTIC WORKSTATION EQUIPMENT CORD, DIELECTRIC, PLENUM RATED PER NFPA. PROVIDE (1) 2 STRAND PER JACK, CABLE COLOR TO MATCH SERVING NETWORK. COORDINATE FINAL FIBER OPTIC WORKSTATION EQUIPMENT CORD REQUIREMENTS WITH TECHNICAL REPRESENTATIVE (UNO).
3. FIBER OPTIC HORIZONTAL CABLE, DIELECTRIC, PLENUM RATED OM4 MULTIMODE TYPE PER NFPA. PROVIDE (1) 2 STRAND PER JACK, CABLE COLOR TO MATCH SERVING NETWORK. COORDINATE FINAL HORIZONTAL FIBER CABLING REQUIREMENTS WITH TECHNICAL REPRESENTATIVE (UNO).

GENERAL NOTES

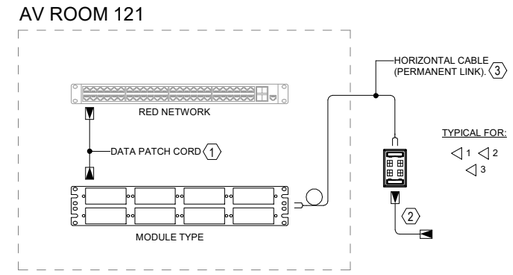
1. ALL EXTERIOR CABLES ENTERING THE BUILDING SHALL HAVE A WATER BLOCKING MATERIAL TO THE CABLE.
2. ALL EXTERIOR CABLES ENTERING THE BUILDING SHALL BE CONNECTED TO A SURGE PROTECTION DEVICE IN THE TR MOUNTED IN A NEMA 1 ENCLOSURE.
3. ALL UNUSED CATV PORTS ON THE MULI TAPS SHALL HAVE TERMINATORS INSTALLED.
4. RISER DIAGRAMS ARE FOR DIAGRAMATIC PURPOSES ONLY AND DOES NOT REFLEX ACTUAL DATA OUTLET/COAX OUTLET COUNTS. CONTRACTOR SHALL REFER TO FLOORPLANS TO GET ACTUAL COUNTS.
5. CONTRACTOR SHALL PROVIDE ALL CATV HOUSING TO HOUSING PASS THRU CONNECTORS AS REQUIRED OR A TURN KEY SOLUTION.
6. THE CONTRACTOR SHALL CONFIRM **ALL** CABLING REQUIREMENTS (INCLUDING NETWORK TYPES, CABLE TYPES, JACK/JACKET COLORS, AND ANY SPECIAL KEYING REQUIREMENTS) WITH OWNER PRIOR TO ORDERING CABLE.
7. NO HORIZONTAL CATEGORY COPPER CABLE (PERMENANT LINK) SHALL EXCEED 295' IN LENGTH INCLUDING SLACK. HORIZONTAL CABLING SHALL BE ROUTED WITHIN THE HORIZONTAL PATHWAY DISTRIBUTION SYSTEM (CABLE TRAY AND CONDUIT PATHWAYS SERVING THE CLASSIFICATION). IF THE PERMENANT LINK EXCEEDS THE 295' IN LENGTH AT TESTING IT SHALL BE RE ROUTED UTILIZING THE HORIZONTAL PATHWAY DISTRIBUTION SYSTEM (CABLE TRAY AND CONDUIT PATHWAYS SERVING THE CLASSIFICATION) AT THE CONTRACTORS EXPENSE.
8. ALL MODULAR JACKS FOR HORIZONTAL COPPER PATCH PANELS SHALL BE THE SAME COLOR AS THE HORIZONTALCABLE.
9. ALL FIBER PATCH PANELS SHALL BE PROVIDED WITH THE FOLLOWING:
   - HINGED, SWING DOWN FRONT DOOR
   - SLIDE OUT TILT DOWN DRAWER
   - INTEGRAL CABLE MANAGEMENT
   - BEND RADIUS CONTROL
   - TIA-606-A COMPATIABLE LABELING



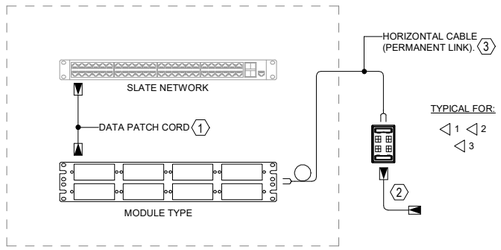
1 T-601 TELECOM RISER DIAGRAM - GREEN
1/8" = 1'-0"



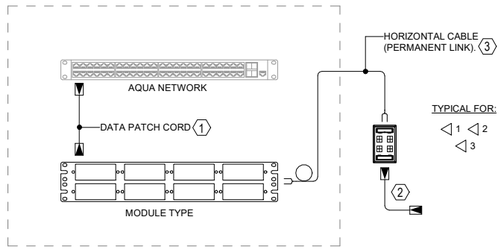
2 T-601 TELECOM RISER DIAGRAM - BLUE
1/8" = 1'-0"



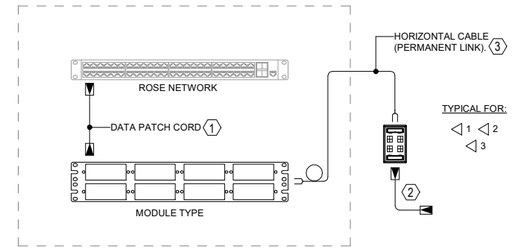
3 T-601 TELECOM RISER DIAGRAM - RED
1/8" = 1'-0"



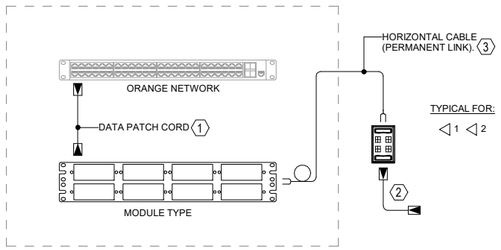
4 T-601 TELECOM RISER DIAGRAM - SLATE
1/8" = 1'-0"



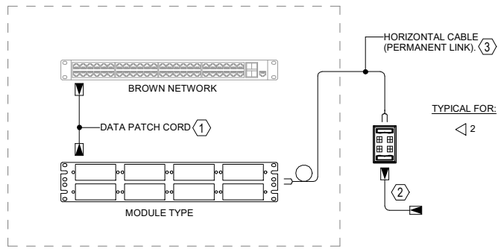
5 T-601 TELECOM RISER DIAGRAM - AQUA
1/8" = 1'-0"



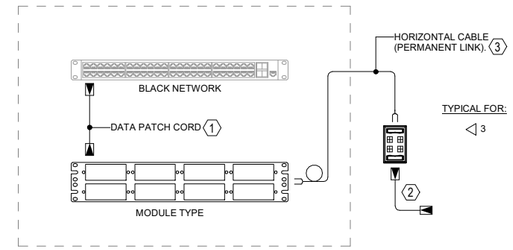
6 T-601 TELECOM RISER DIAGRAM - ROSE
1/8" = 1'-0"



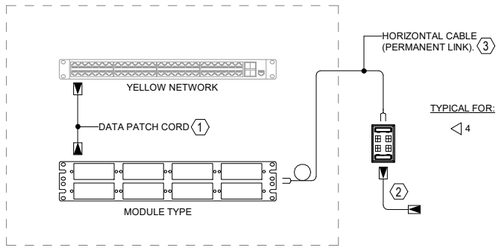
7 T-601 TELECOM RISER DIAGRAM - ORANGE
1/8" = 1'-0"



8 T-601 TELECOM RISER DIAGRAM - BROWN
1/8" = 1'-0"



9 T-601 TELECOM RISER DIAGRAM - BLACK
1/8" = 1'-0"



10 T-601 TELECOM RISER DIAGRAM - YELLOW
1/8" = 1'-0"

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE	ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR D. BAGWELL		
	APPROVED FIRE PREVENTION		
	APPROVED SAFETY REPRESENTATIVE		
	APPROVED DIR. BASE MED. SERVICE		
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS	RISER DIAGRAM
APPROVED ASUS	APPROVED COMMUNICATIONS		
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN	DATE 13 MARCH 2024
INDEX NO. T-601	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER	SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06	DRAWING NO. FTFA 23-MM06	FILE NO.	SHEET OF

ELECTRONIC SAFETY & SECURITY (ESS) SYSTEM LEGEND

ACS — EXISTING ACCESS CONTROL SYSTEM EQUIPMENT PANEL

IDS — EXISTING INTRUSION DETECTION SYSTEM CONTROL PANEL 2

IDS — EXISTING INTRUSION DETECTION SYSTEM CONTROL PANEL1

CRK — NEW ACCESS CONTROL CARD READER WITH KEYPAD

BMS — NEW LOCATION OF EXISTING BALANCED MAGNETEC SWITCH TO BE RELOCATED FROM EXISTING EXTERIOR DOOR

HSS — NEW INTRUSION DETECTION SYSTEM HIGH SECURITY SWITCH

MD — NEW INTRUSION DETECTION SYSTEM CEILING MOUNT MOTION DETECTOR.

MD — NEW LOCATION FOR EXISTING WALL MOUNTED MOTION DETECTOR

S — NEW WHITE NOISE TRANSDUCER - WALL MOUNTED

NOTE: ACS, IDS, AND SOUND MASKING SYSTEMS ARE TURN-KEY TO BE MODIFIED AND INSTALLED BY THE CONTRACTOR TO PROVIDE A FULLY COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR SHALL PRODUCE FULL SHOP DRAWINGS AS INDICATED IN SHOP DRAWING NOTES PRIOR TO ROUGH-IN TO FINALIZE DEVICE QUANTITIES, LOCATIONS, AND MOUNTING HEIGHTS

ELECTRICAL GENERAL NOTES - SECURITY INFRASTRUCTURE:

THE SECURITY DRAWINGS PROVIDED ARE DIAGRAMMATIC AND SHOW THE GENERAL LOCATIONOF ALL REQUIRED OF EQUIPMENT AND DEVICES.

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INTERIOR ROUGH-IN AND SUPPORT SYSTEM NECESSARY FOR THE COMPLETE SECURITY SYSTEM DEFINED IN THIS SCOPE OF WORK. THIS INCLUDES A COMPLETE INSTALLATION OF ALL REQUIRED PATHWAYS INCLUDING: ALL NECESSARY OFFSETS, JUNCTION BOXES, CONDUIT SLEEVES/PENETRATIONS, CONDUIT, BACK BOXES, JUNCTION BOXES, BLOCKING, EQUIPMENT BUSBARS WITH GROUNDING CONDUCTORS, FIRESTOPPING, POWER, ADJUSTMENTS NECESSARY BY COORDINATION WITH OTHER TRADES, AND ANY OTHER NECESSARY APPURTENANCES.

THE ELECTRICAL CONTRACTOR SHALL UNDERSTAND THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO BID, AND WILL INCLUDE IN SCOPE OF WORK ALL REQUIREMENTS NECESSARY TO SUPPORT THE SECURITY SYSTEM TO COORDINATE AND ENSURE A FULLY FUNCTIONAL SYSTEM.

COORDINATION WITH OTHER TRADES:
EXAMINE AND REVIEW THE DOCUMENTS OF ALL DIVISIONS IN ORDER TO COORDINATE THE INSTALLATION OF WORK. USE DIMENSIONED DRAWINGS TO VERIFY THE SPACE NECESSARY FOR LOCATING OUTLETS, RACEWAYS, AND EQUIPMENT. USE FIELD MEASUREMENTS TO VERIFY DIMENSIONS WHERE AREAS ARE CONGESTED, AND EXACT LOCATION IS CRITICAL TO ENSURE PROPER INSTALLATION. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFYING THE LOCATION AND SIZE OF OPENINGS/PENETRATIONS IN FLOORS, WALLS, PARTITIONS, CEILINGS, AND ROOFS WITH THE INSTALLING TRADES; ALLOCATION OF SPACE WITH OTHER TRADES, INSTALLING WORK IN CHASES, SHAFTS, CEILING INTERSTITIAL SPACES, AND EQUIPMENT SPACES; AND THE PHASING OF INSTALLATION WORK WITH THAT OF OTHER TRADES.

INSTALLATION SHALL CONFORM WITH NFPA 70 "NATIONAL ELECTRICAL CODE," ANSI/TIA, APPLICABLE UFCs, ELECTRICAL SPECIFICATIONS, AND ANY ADDITIONAL STANDARDS INDICATED (UNO).

CONDUIT:
INSTALL ELECTRICAL METALLIC TUBING (EMT) CONDUIT FOR ALL OVERHEAD SECURITY DEVICES, (UNO).

PROVIDE A MINIMUM OF 3/4 INCH CONDUIT FOR EACH DEVICE. PROVIDE A MINIMUM OF 1 INCH CONDUIT FOR EACH SECURITY LOCAL AREA NETWORK (LAN) OUTLET.

CONDUITS HAVE BEEN SIZED BASED ON THE NEC, AS WELL AS ANSI/TIA 569. WHERE INSTALLATIONS VARY, INCREASE CONDUITS SIZES ACCORDING TO MAXIMUM NUMBER OF CABLES BASED ON ALLOWABLE FILL RATIO OF 40%.

FOR IN-SLAB, BELOW VAPOR BARRIER OR BELOW GRADE CONDUIT SYSTEMS, PROVIDE HOME RUNS BACK TO THE MTR/TR SERVING THAT AREA.

METALLIC PATHWAYS 3 FT OR GREATER IN LENGTH SHALL COMPLY WITH THE BONDING REQUIREMENTS OF ANSI/TIA-607.

FOR CONDUITS WITH AN INTERNAL DIAMETER OF 2 IN OR LESS, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 6 TIMES THE INTERNAL DIAMETER. FOR CONDUITS WITH AN INTERNAL DIAMETER OF MORE THAN 2 IN, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING CABLE PULLING OPERATIONS.

CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUIT SHALL BE TERMINATED WITH AN INSULATED BUSHING.

FLEXIBLE METAL CONDUIT MAY ONLY BE USED AS INDICATED ON DETAILS (UNO).

ALL PENETRATIONS SHALL BE SEALED WITH AN APPROVED SEALANT OR U.L. LISTED PENETRATION DEVICE THAT WILL MAINTAIN THE FIRE, SMOKE AND WATERPROOF OR OTHER APPLICABLE RATINGS OF THE TYPE OF CONSTRUCTION BEING PENETRATED.

UNLESS NOTED OTHERWISE, ALL CONDUITS SHALL BE INSTALLED CONCEALED UNDER FLOOR SLABS, ABOVE THE CEILING AND EXPOSED ON SECURITY WALLS, COMPARTMENTED AREA WALLS, AND AT SECURE AREA STC CEILING ASSEMBLIES. ALL OUTLET BOXES SHALL BE INSTALLED FLUSH MOUNTED WITHIN CEILINGS OR FLOORS.

WHEN SURFACE MOUNT RACEWAYS ARE INDICATED, PROVIDE RACEWAY TO EMT TRANSITIONAL ADAPTER AT ALL ACCESSIBLE CEILINGS. ABOVE ACCESSIBLE CEILING, ROUTE EMT TO SERVING EQUIPMENT LOCATION (UNO).

PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS. PULL ROPE SHALL HAVE A MINIMUM 600LB TENSILE STRENGTH FOR ALL TELECOMMUNICATIONS CONDUITS.

SECURITY WORK AREA OUTLETS:
INSTALL DOUBLE GANG ELECTRICAL BOXES, MINIMUM STANDARD SIZE 4-11/16 INCHES SQUARE AND 2-1/8 INCHES DEEP WITH APPROPRIATELY SIZED PLASTER RING FOR CONNECTION OF SINGLE GANG OR DOUBLE GANG FACEPLATE.

INSTALL OUTLET BOX EXPOSED ON SECURITY WALLS, COMPARTMENTED AREA WALLS, AND AT SECURE AREA STC CEILING ASSEMBLIES, AT THE SAME HEIGHT AS THE ELECTRICAL OUTLETS.

POWER:
INSTALL A QUADRUPLEX ELECTRICAL OUTLET WITHIN 6 INCHES OF ALL WORK AREA OUTLETS TO SERVE SECURITY WORK AREA PC LOADS ASSOCIATED WITH THAT OUTLET.

SECURITY GROUNDING / BONDING:
INSTALL ALL REQUIRED GROUNDING / BONDING AND BOND EQUIPMENT BUSBARS WITH #4AWG GROUNDING CONDUCTOR IN 1/2" CONDUIT TO NEAREST MTR/TR BUSBAR PER ANSI/TIA 607, ELECTRICAL SPECIFICATIONS, (UNO).

BLOCKING AND SUPPORT HARDWARE:
INSTALL ALL MOUNTS AND SUPPORT HARDWARE FOR SECURITY SYSTEMS; INCLUDING, UNISTRUT, ALL- THREAD OR THREADED RODS, BLOCKING, SUPPORT CABLES, ETC.

PULL BOXES:
PULL BOXES SHALL BE READILY ACCESSIBLE. PULL BOXES SHALL NOT BE PLACED IN A FIXED FALSE CEILING SPACE UNLESS IMMEDIATELY ABOVE A SUITABLY MARKED ACCESS PANEL.

A PULL BOX SHALL BE PLACED IN A CONDUIT RUN WHERE:
- THE LENGTH IS OVER 100 FT;
- THERE ARE MORE THAN TWO 90º BENDS, OR EQUIVALENT;
- OR THERE IS A REVERSE (U-SHAPED) BEND IN THE RUN.

PULL BOXES SHALL BE PLACED IN A STRAIGHT SECTION OF CONDUIT. THEY SHALL NOT BE USED IN LIEU OF A BEND. THE CORRESPONDING CONDUIT ENDS SHALL BE ALIGNED WITH EACH OTHER.

WHERE A PULL BOX IS REQUIRED WITH CONDUITS SMALLER THAN 1-1/4", AN OUTLET BOX MAY BE USED AS A PULL BOX.

IF THE PULL BOX IS COMPRISED OF METALLIC COMPONENTS, IT SHALL BE BONDED TO GROUND, PER ANSI/TIA 607.

TECH SPEC ICD/ICS 705 GENERAL NOTES:
PROJECT SCOPE OF WORK CONTAINS SPACES WHICH REQUIRES ADHERENCE TO THE TECHNICAL SPECIFICATIONS FOR THE ICD/ICS 705.

THE SCOPE OF WORK FOR THE SPACES IS INDICATED IN THE DRAWINGS AND SPECIFICATIONS ALONG WITH ANY ADDITIONAL ELEMENTS OR COUNTERMEASURES THAT MAY APPLY.

UNDER PROJECT'S DESIGNATED A.O., INSTALLATION SHALL ADHERE TO IC TECH SPEC FOR ICD/ICS 705 V-1-5-1; JULY 26, 2021.

GENERAL ICD/ICS 705 REQUIREMENTS FOR THE SPACES INCLUDE:

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

METALLIC PENETRATIONS THAT REQUIRE TEMPEST COUNTERMEASURES, MUST BE PROVIDED WITH DIELECTRIC UNION OR GROUNDING.

TO THE EXTENT POSSIBLE, ALL CABLING SHALL ENTER THE SECURE AREA THROUGH A SINGLE OPENING AND ALLOW FOR VISUAL INSPECTION.

SECURITY ABBREVIATIONS:

AFF	ABOVE FINISH FLOOR
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
ARCH	ARCHITECTURAL
AHJ	AUTHORITY HAVING JURISDICTION
BMS	BALANCED MAGNETIC SWITCH
CT	CABLE TRAY
CR	CARD READER
CRK	CARD READER W/KEY PAD
CAT 3	CATEGORY 3
CAT 5E	CATEGORY 5 ENHANCED
CAT 6	CATEGORY 6
CAT 6A	CATEGORY 6 AUGMENTED
CATV	COMMUNITY ANTENNA TELEVISION
C	CONDUIT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFGI	CONTRACTOR FURNISHED, GOVERNMENT INSTALLED
DS	DOOR SWITCH
ELEC	ELECTRICAL
ESS	ELECTRONIC SECURITY SYSTEM
EMI	ELECTROMAGNETIC INTERFERENCE
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
FCC	FEDERAL COMMUNICATIONS COMMISSION
FO	FIBER OPTIC
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
H	HANDHOLE
HSS	HIGH SECURITY SWITCH
IDS	INTRUSION DETECTION SYSTEM
KP	KEY PAD
MAX	MAXIMUM
MIN	MINIMUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEC	NATIONAL ELECTRICAL CODE
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
PR	PROXIMITY READER
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE
PB	PULL BOX
REX	REQUEST TO EXIT
RM	ROOM
R/I	ROUGH-IN
ScTP	SCREENED TWISTED-PAIR
STP	SHIELDED TWISTED-PAIR
SM	SINGLEMODE
SF	SURFACE MOUNT
UL	UNDERWRITERS LABORATORIES INC

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

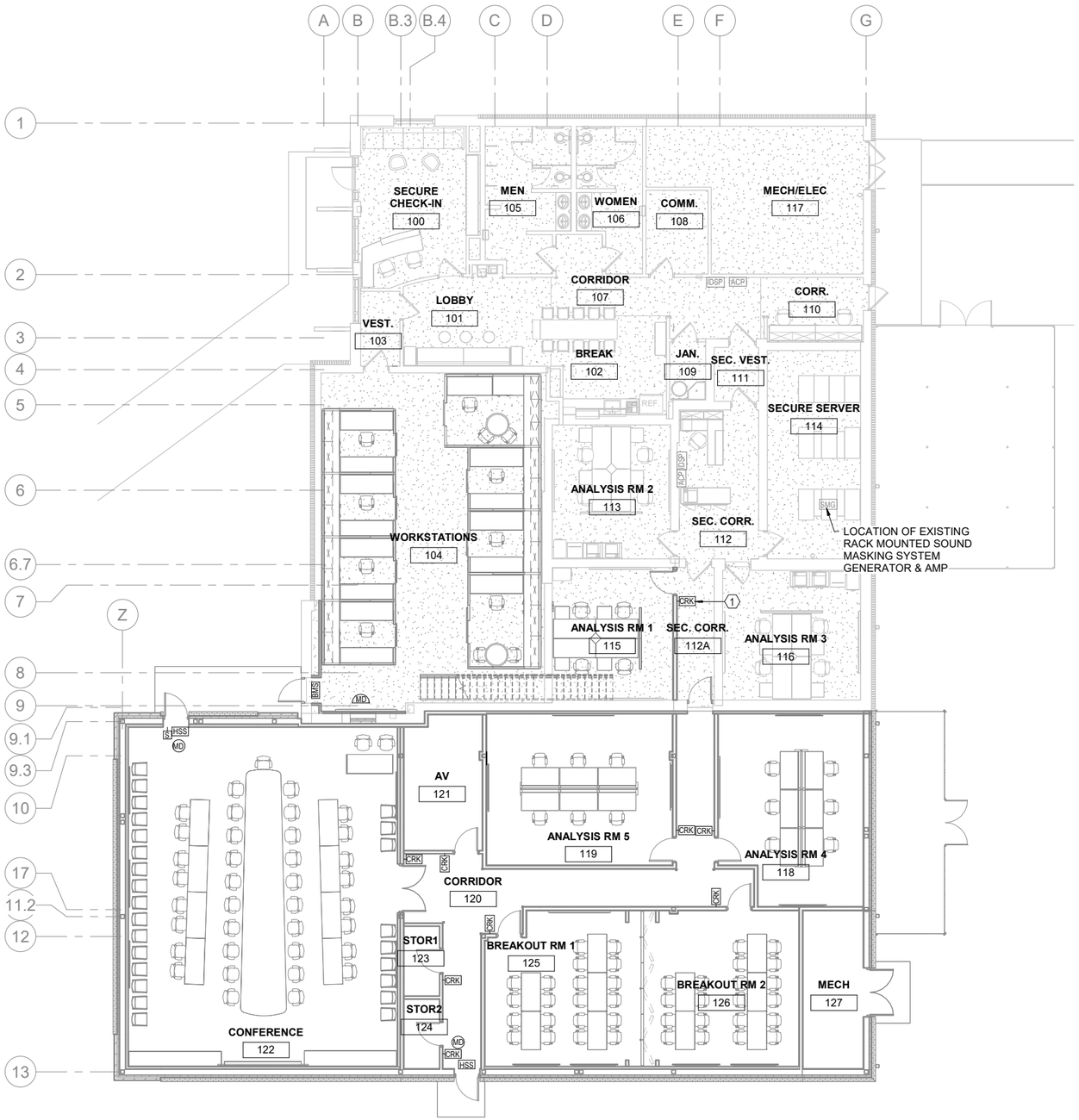
DRAWN BY T. GUTHRIE
PROJ. ENGR. D. BAGWELL
DATE
SIGNATURE
APPROVED — FIRE PREVENTION
APPROVED — SAFETY REPRESENTATIVE
APPROVED — DIR. BASE MED. SERVICE
APPROVED — SECURITY FORCES
APPROVED — USING AGENCY
APPROVED — ASUS
APPROVED — COMMUNICATIONS
APPROVED — CHELCO
APPROVED — OPERATIONS ENGINEERING
APPROVED — 96/CEG/CEN
APPROVED — ENVIRONMENTAL
APPROVED — DEPUTY BASE CIVIL ENGINEER

TITLE: ADDITION AND RENOVATION B521

CONTENTS: SECURITY LEGEND AND NOTES

DATE: 13 MARCH 2024
SCALE: AS SHOWN
SHEET OF

INDEX NO.: TY001
SPEC. NO.: 21AX
PROJ. NO.: FTFA 23-MM06
DRAWING NO.: FTFA 23-MM06
FILE NO.:



PLAN NORTH

1 TY111

SECURITY GROUND FLOOR

1/8" = 1'-0"

SHEET NOTES

1. NEW LOCATION OF EXISTING CARD READER WITH KEYPAD.

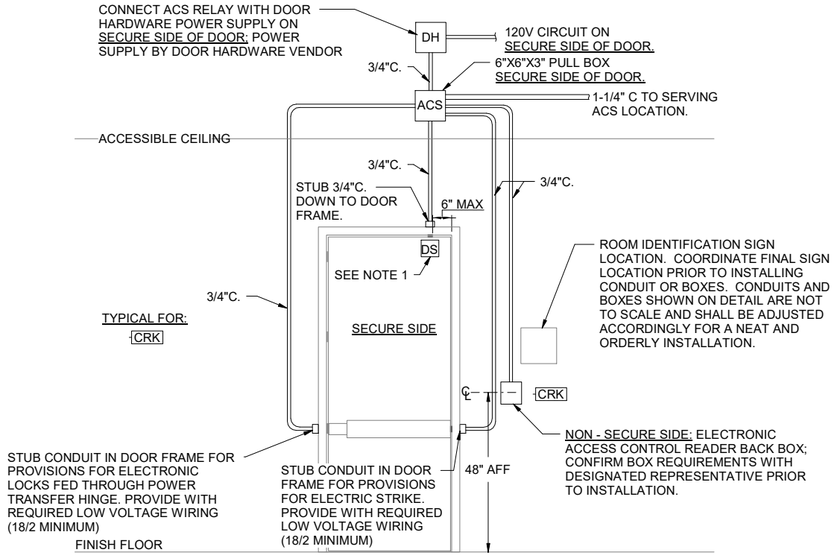
0 4' 8' 16'

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

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

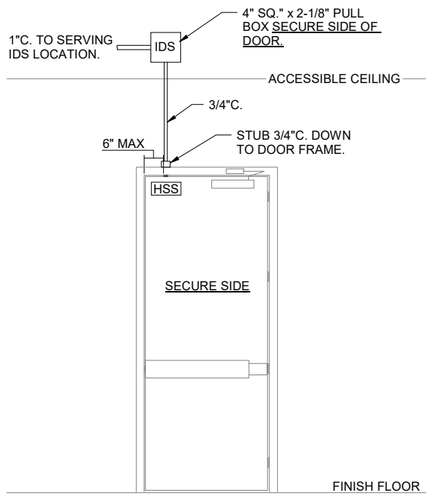
BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. D. BAGWELL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: SECURITY OVERALL FLOOR PLAN - NEW WORK
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. TY111	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 — DRAWING NO. FTFA 23-MM06 — FILE NO. — SHEET OF



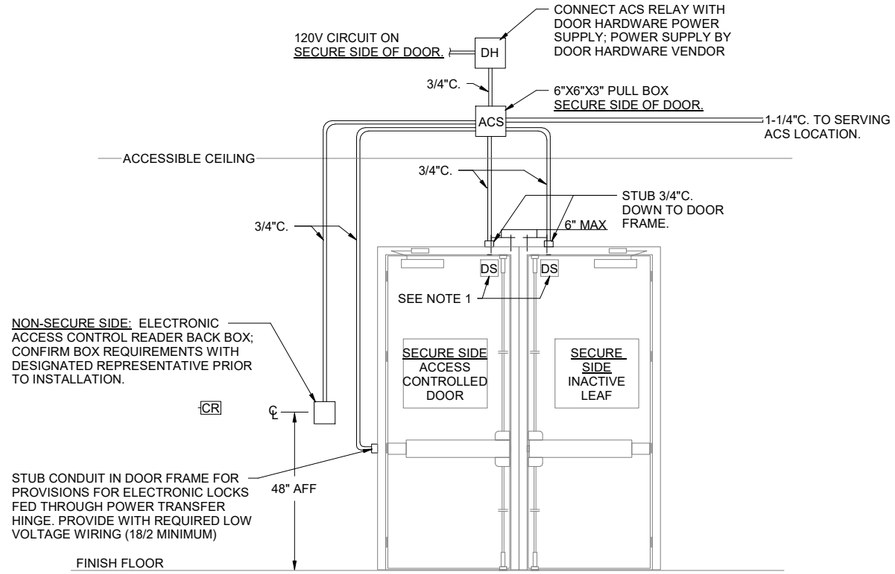
NOTES:
1. ACS DOOR POSITION SWITCH (NOT SHOWN ON PLANS FOR CLARITY).
2. ALL CONDUITS SHALL BE SURFACE MOUNTED.
3. AS A MINIMUM, PROVIDE PULL BOX EVERY 100' OF INTERIOR CONDUIT RUNS.
4. CONDUIT SOLUTIONS ARE SHOWN FOR BOTH ELECTRIC LOCKS AND ELECTRIC STRIKES. CONTRACTOR SHALL FINALIZE WHICH IS BEING PROVIDED PRIOR TO ROUGH-IN AS ONLY ONE SOLUTION IS REQUIRED TO BE INSTALLED.

1 TY501 SINGLE DOOR DETAIL - CRK
NOT TO SCALE



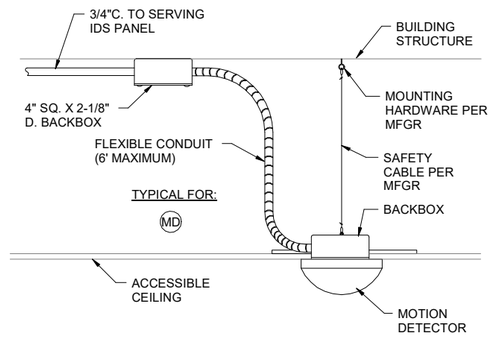
NOTES:
1. ALL CONDUITS SHALL BE SURFACE MOUNTED.
2. ALL NOTED ACCESSIBLE PULL BOXES ARE LOCATED ON SECURE SIDE OF DOOR.
3. AS A MINIMUM, PROVIDE PULL BOX EVERY 100' OF INTERIOR CONDUIT RUNS.
4. CONDUIT SOLUTIONS ARE SHOWN FOR BOTH ELECTRIC LOCKS AND ELECTRIC STRIKES. CONTRACTOR SHALL FINALIZE WHICH IS BEING PROVIDED PRIOR TO ROUGH-IN AS ONLY ONE SOLUTION IS REQUIRED TO BE INSTALLED.

2 TY501 SECURITY SINGLE DOOR DETAIL - HSS
NOT TO SCALE

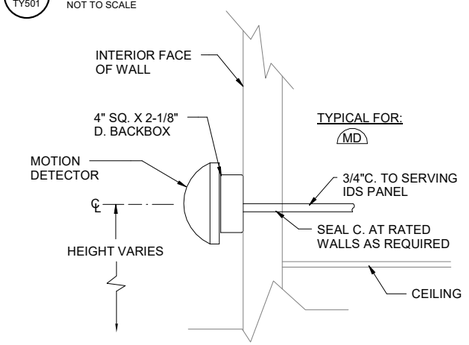


NOTES:
1. ACS DOOR POSITION SWITCH (NOT SHOWN ON PLANS FOR CLARITY).
2. ALL CONDUITS SHALL BE SURFACE MOUNTED.
3. ALL NOTED ACCESSIBLE PULL BOXES AND BACK BOXES ARE LOCATED ON SECURE SIDE OF DOOR, UNO.
4. AS A MINIMUM, PROVIDE PULLBOX EVERY 100' OF INTERIOR CONDUIT RUNS.
5. DOOR HARDWARE (LOCKSETS AND PUSH BARS) ARE REPRESENTATIVE ONLY AND MAY NOT REPRESENT THE SCHEDULE FOR ACTUAL DOOR HARDWARE INSTALLED.
6. DIMENSIONS SHOWN ON DETAIL ARE TYPICAL TO ASSIST WITH INSTALL BUT MAY VARY IN FIELD. COORDINATE EXACT LOCATIONS PRIOR TO ROUGH-IN.
7. CONDUIT SOLUTIONS ARE SHOWN FOR BOTH ELECTRIC LOCKS AND ELECTRIC STRIKES. CONTRACTOR SHALL FINALIZE WHICH IS BEING PROVIDED PRIOR TO ROUGH-IN AS ONLY ONE SOLUTION IS REQUIRED TO BE INSTALLED.

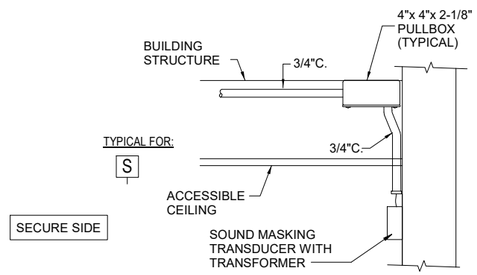
3 TY501 DOUBLE DOOR DETAIL - CR
NOT TO SCALE



4 TY501 MOTION DETECTOR CEILING MOUNT
NOT TO SCALE



5 TY501 MOTION DETECTOR WALL MOUNT
NOT TO SCALE

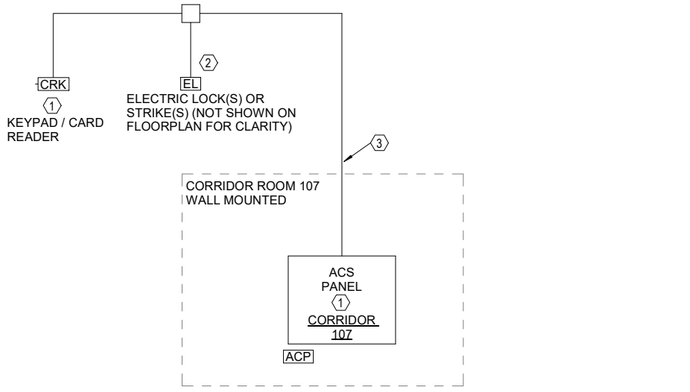


6 TY501 WHITE NOISE TRANSDUCER - WALL MOUNT
NOT TO SCALE

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. D. BAGWELL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: SECURITY DETAILS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. TY501	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
	SPEC. NO. 21AX	PROJ. NO. FTFA 23-MM06 / DRAWING NO. FTFA 23-MM06 / FILE NO. / SHEET OF



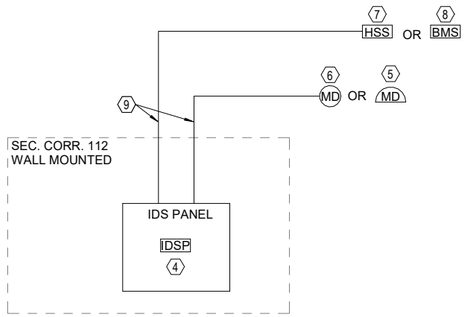
NOTE: DEVICES SHOWN ON DIAGRAM ARE FOR REFERENCE ONLY, REFER TO FLOOR PLANS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES. CONTRACTOR TO PROVIDE CONDUITS WITH PULLSTRING, DEVICE BOXES / ROUGH-IN, AND ELECTRICAL CIRCUITS TO EQUIPMENT. CONTRACTOR SHALL ALSO INSTALL A TURN KEY SOLUTION. INSTALL EQUIPMENT, WIRING, DEVICES, AND LOCAL BATTERY BACKUP POWER.

1 TY601 ACCESS CONTROL SYSTEM (ACS) SINGLE LINE DIAGRAM

NOT TO SCALE

SHEET NOTES

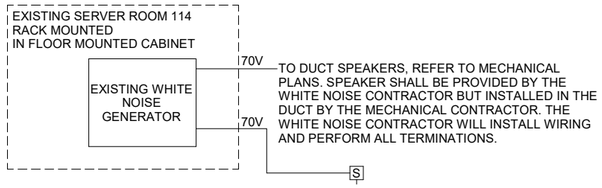
1. ACS KEYPAD CARD READER COMPATABLE WITH EXISTING LENEL SYSTEM.
2. ELECT LOCK (OR STRIKE) AND DOOR HARDWARE.
3. INSTALL 22 AWG 6 CONDUCTOR BAR COPPER, SHIELDED NON-PLENUM, CMR.
4. EXISTING INTRUSION DETECTION EQUIPMENT PANEL.
5. WALL MOUNTED PIR COMPATIBLE WITH EXISTING INTRUSION DETECTION ADVANTOR SYSTEM.
6. 360 CEILING MOUNTED PIR COMPATIBLE WITH EXISTING INTRUSION DETECTION ADVANTOR SYSTEM. INSTALL WITH CEILING MOTION INSTALLATION KIT.
7. SINGLE CONTACT HIGH SECURITY SWITCH COMPATIBLE WITH EXISTING INTRUSION DETECTION ADVANTOR SYSTEM.
8. EXISTING BALANCED MAGNETIC SWITCH.
9. 22 GAUGE TWISTED PAIR - CONDUIT, CONNECTORS, AND MOUNTING HARDWARE. 3/4" CONDUIT SHALL BE THE MINIMUM SIZE UTILIZED.



NOTE: DEVICES SHOWN ON DIAGRAM ARE FOR REFERENCE ONLY, REFER TO FLOOR PLANS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES. CONTRACTOR TO PROVIDE CONDUITS WITH PULLSTRING, DEVICE BOXES/ROUGH-IN, AND ELECTRICAL CIRCUITS TO EQUIPMENT. CONTRACTOR SHALL INSTALL A TURN KEY SOLUTION. CONTRACTOR SHALL INSTALL EQUIPMENT, WIRING, DEVICES, AND LOCAL BATTERY BACKUP POWER.

2 TY601 INTRUSION DETECTION SYSTEM (IDS) SINGLE LINE DIAGRAM

NOT TO SCALE



NOTE: DEVICES SHOWN ON DIAGRAM ARE FOR REFERENCE ONLY, REFER TO FLOOR PLANS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES. CONTRACTOR TO PROVIDE CONDUITS WITH PULLSTRING, DEVICE BOXES/ROUGH-IN, AND ELECTRICAL CIRCUITS TO EQUIPMENT. CONTRACTOR SHALL PROVIDE A TURN KEY SOLUTION. CONTRACTOR TO PROVIDE EQUIPMENT, WIRING, DEVICES, AND LOCAL BATTERY BACKUP POWER.

3 TY601 SECURITY WHITE NOISE SINGLE LINE DIAGRAM

NOT TO SCALE

WHITE NOISE GENERAL NOTES:

1. PROVIDE ROUGH-IN FOR SPEAKERS AS SHOWN IN PLANS. DEVICES SHOWN ON DIAGRAM ARE FOR REFERENCE ONLY, REFER TO FLOOR PLANS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES.
2. CONFIRM WITH BASE SECURITY TO ENSURE WHITE NOISE LAYOUT AND REQUIREMENTS HAVE BEEN MET PRIOR TO ORDERING/INSTALLATION.
3. CONDUIT SHALL BE 3/4" MINIMUM.
4. CONTRACTOR SHALL COORDINATE WITH MECHANICAL FOR OVERALL REQUIRED WHITE NOISE SPEAKERS IN DUCTS

65% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA

DATE	DRAWN BY T. GUTHRIE	TITLE: ADDITION AND RENOVATION B521
SIGNATURE	PROJ. ENGR. D. BAGWELL	
	APPROVED FIRE PREVENTION	
	APPROVED SAFETY REPRESENTATIVE	
	APPROVED DIR. BASE MED. SERVICE	
APPROVED SECURITY FORCES	APPROVED USING AGENCY	CONTENTS: SINGLE LINE DIAGRAMS
APPROVED ASUS	APPROVED COMMUNICATIONS	
APPROVED CHELCO	APPROVED OPERATIONS ENGINEERING	APPROVED 96/CEG/CEN — DATE 13 MARCH 2024
INDEX NO. TY601	APPROVED ENVIRONMENTAL	APPROVED DEPUTY BASE CIVIL ENGINEER — SCALE AS SHOWN
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