Goodwyn Mills Cawood
11 North Water Street
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T 251.460.4006
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FASCIMILE TRANSMITTAL COVER SHEET

DATE: **August 21, 2026**

TO: **Doris Furr**

FROM: **Planholder**

PROJECT: **SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)**
FOR DAUPHIN ISLAND SEA LAB
GMC PROJECT NO. AMOB260001

RE: **ADDENDUM NO. 2 AND ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 2**

ACKNOWLEDGEMENT OF RECEIPT:

PLEASE PRINT RECIPIENT'S NAME, FIRM, AND DATE RECEIVED.

THEN FAX BACK TO (251) 460-4423 or EMAIL doris.furr@gmcnetwork.com
FOR OUR RECORDS AND TO ACKNOWLEDGE YOUR RECEIPT OF THIS ADDENDUM.

_____

NAME *(PLEASE PRINT)*

_____

FIRM *(PLEASE PRINT)*

_____

DATE RECEIVED *(PLEASE PRINT)*

Pages to follow this page

ADDENDUM NUMBER 2 **August 21, 2026**

PROJECT: SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR DAUPHIN ISLAND SEA LAB
GMC PROJECT NO. AMOB260001
DCM PROJECT NO. 2026138

AD2-1 CLARIFICATIONS / RFI'S / RESPONSES:

1. Bidders shall acknowledge receipt of the Addendum in writing, as provided on the Acknowledgment Receipt.

2. Special Project Requirements/ Summary indicate Owner pay for water and power. Section 01-5000 Says Contractors pay water and electrical. Please advise how we should approach.
RESPONSE: Contractor shall pay temporary water and power for the Second Floor.

3. **The Contractor shall provide and install the Sargent IN220 Power over Ethernet (PoE) Intelligent IP-enabled mortise lock and core Access Control Hardware Systems for the eighteen (18) Second Floor Gulf Suite Dwelling Unit Corridor Door(s) systems 232A, 233A, 234A, 235A, 236A, 237A, 238A, 239A, 240A,241A, 242A, 243A, 244A, 245A, 246A, 247A, 248A, and 249A.**
    a. **The Contractor shall provide these Dwelling Unit Corridor Door Frames to be prepped and provided with electrified hinges.**

4. **Please add parts list to Door Hardware Set #1:**
    a. **(1) ElectroLynx POE cable 42" – PoE – C306PRJ – PoE-C306RJ**
    b. **(1) PoE Door Harness 84" – PoE – C700PRJ – PoE-C700RJ**
    c. **5. Contractor shall provide and install ElectroLynx POE cable of appropriate length for each door to go from hinge to lock to deliver power and door harness. Provide Actual Cable Length for 36 inch minimum Door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep) and associated Door Harness Assembly . Verify actual door widths with door opening schedule.**

5. **Remove scope to provide and install eighteen (18) through wall dryer vents for the future Second Floor Fit-Out on Drawings A2.03 Second Floor Reflected Ceiling Plan. These vents will be installed in the Second Floor existing wall for plug and connect.**

6. **Remove scope to provide a cost proposal for nineteen (19) through wall exhaust vents for the future Second Floor Fit-Out. Drawings A2.03 Second Floor Reflected Ceiling Plan. These vents will be installed in the Second Floor existing wall for plug and connect.**

7. **The Second Floor Basis of Design Mechanical OAC-3 curb and OAC-4 curb and associated roof work will be installed in the Phase 1 New Dormitory Building Envelope Project. Remove the OAC-3 curb and OAC-4 curb and associated roofing work out of the Second Floor Fit-Out Project.**

8. **The contract number of days shall be revised from 150 days to 136 days for the reduced scope of work.**

AD2-2 ISSUED SPECIFICATIONS:

1. **Replace Section 08 7100 Door Hardware (Addendum No. 1) in its entirety with the attached add Specification Section 08 7100 Door Hardware (Addendum No. 2) dated 08/21/2026 in its entirety.**

AD2-3 ISSUED DRAWINGS:

1. Replace Drawing Sheet E0.01 its entirety with the attached add Drawing Sheet E0.01 Legend, Notes & Abbreviations (Addendum #2) dated 08/21/2026 in its entirety.

2. Replace Drawing Sheet E1.01 its entirety with the attached add Drawing Sheet E1.01 First Floor Plan – Reference (Addendum #2) dated 08/21/2026 in its entirety.

3. Replace Drawing Sheet E1.02 its entirety with the attached add Drawing Sheet E1.02 First Floor Plan – Demo (Addendum #2) dated 08/21/2026 in its entirety.

4. Replace Drawing Sheet E1.12 its entirety with the attached add Drawing Sheet E1.12 Second Floor Plan – Lighting (Addendum #2) dated 08/21/2026 in its entirety.

5. Replace Drawing Sheet E1.22 in its entirety with the attached add Drawing Sheet E1.22 Second Floor Plan – Power & Telecommunications (Addendum #2) dated 08/21/2026 in its entirety.

6. Replace Drawing Sheet E1.23 in its entirety with the attached add Drawing Sheet E1.23 Enlarged Second Floor Plans – Electrical (Addendum #2) dated 08/21/2026 in its entirety.

7. Replace Drawing Sheet E1.24 in its entirety with the attached add Drawing Sheet E1.24 Suite Cabinet Lighting Plans (Addendum #2) dated 08/21/2026 in its entirety.

8. Replace Drawing Sheet E1.32 in its entirety with the attached add Drawing Sheet E1.32 Second Floor Plan- Fire Alarm (Addendum #2) dated 08/21/2026 in its entirety.

9. Replace Drawing Sheet E1.53 in its entirety with the attached add Drawing Sheet E1.53 Roof Plan – Mechanical Power (Addendum #2) dated 08/21/2026 in its entirety.

10. Replace Drawing Sheet E4.01 in its entirety with the attached add Drawing Sheet E4.01 Enlarged Telecom Floor Plan & Details (Addendum #2) dated 08/21/2026 in its entirety.

11. Replace Drawing Sheet E5.02 in its entirety with the attached add Drawing Sheet E5.02 Details (Addendum #2) dated 08/21/2026 in its entirety.

12. Replace Drawing Sheet E6.01 in its entirety with the attached add Drawing Sheet E6.01 Single Line Diagrams (Addendum #2) dated 08/21/2026 in its entirety.

13. Replace Drawing Sheet E7.01 in its entirety with the attached add Drawing Sheet E7.01 Schedules (Addendum #2) dated 08/21/2026 in its entirety.

14. Replace Drawing Sheet E7.02 in its entirety with the attached add Drawing Sheet E7.02 Schedules (Addendum #2) dated 08/21/2026 in its entirety.

15. Add Drawing Sheet E7.03 Electrical Schedules (Addendum #2) dated 08/21/2026 in its entirety.

AD2-4 ATTACHMENTS:

1. Addendum Acknowledgment Response
2. E0.01 Legend, Notes & Abbreviations (Addendum #2) dated 08/21/2026
3. E1.01 First Floor Plan – Reference (Addendum #2) dated 08/21/2026
4. E1.02 First Floor Plan – Demo (Addendum #2) dated 08/21/2026 in its entirety.
5. E1.12 Second Floor Plan – Lighting (Addendum #2) dated 08/21/2026 in its entirety.
6. E1.22 Second Floor Plan – Power & Telecommunications (Addendum #2) dated 08/21/2026
7. E1.23 Enlarged Second Floor Plans – Electrical (Addendum #2) dated 08/21/2026
8. E1.24 Suite Cabinet Lighting Plans (Addendum #2) dated 08/21/2026
9. E1.31 Fire Floor Plan – Auxiliary (Addendum #2) dated 08/21/2026
10. E1.32 Second Floor Plan- Fire Alarm (Addendum #2) dated 08/21/2026
11. E1.53 Roof Plan – Mechanical Power (Addendum #2) dated 08/21/2026
12. E4.01 Enlarged Telecom Floor Plan & Details (Addendum #2) dated 08/21/2026
13. E5.02 Details (Addendum #2) dated 08/21/2026
14. E6.01 Single Line Diagrams (Addendum #2) dated 08/21/2026
15. E7.01 Schedules (Addendum #2) dated 08/21/2026
16. E7.02 Schedules (Addendum #2) dated 08/21/2026
17. E7.03 Electrical Schedules (Addendum #2) dated 08/21/2026

-END OF ADDENDUM-

PREPARED BY



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ADDENDUM No. 2

SECTION 08 7100

DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Commercial door hardware for the following:

a. Swinging doors.
b. Fire Rated Swinging Doors

B. Related Sections include the following:

1. Division 08 Section "Hollow Metal Doors and Frames".
2. Division 08 Section "Flush Wood Doors" for integral intumescent seals provided as part of fire-rated labeled assemblies.

C. Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.

1. Permanent cores to be installed by Owner.

1.3 SUBMITTALS

A. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Samples for Initial Selection: For each finish, color, and texture required for each type of door hardware indicated.

C. If requested by Architect, submit samples for Verification: For exposed door hardware of each type, in specified finish, full size. Tag with full description for coordination with the door hardware sets. Submit Samples before, or concurrent with, submission of the final door hardware sets.

1. Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.

D. Qualification Data: For Architectural Hardware Consultant.

E. Product Test Reports: Based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for locks, latches, and closers.

F. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule.

G. Warranty: Special warranty specified in this Section.

H. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final door hardware sets with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

a. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule." Double space entries, and number and date each page.
b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
c. Content: Include the following information:

1) Identification number, location (room name and number), hand, fire rating, and material of each door and frame.
2) Type, style, function, size, quantity, and finish of each door hardware item. Include description and function of each lockset and exit device.
3) Complete designations of every item required for each door or opening including name and manufacturer.
4) Fastenings and other pertinent information.
5) Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
6) Explanation of abbreviations, symbols, and codes contained in schedule.
7) Mounting locations for door hardware.
8) Door and frame sizes and materials.
9) List of related door devices specified in other Sections for each door and frame.
10) Manufacturer cut sheets for each item.

J. 1. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

2. Keying Schedule: Prepared by or under the supervision of Architectural Hardware Consultant, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.

1. Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
2. Installer shall have warehousing facilities in Project's vicinity.
3. Scheduling Responsibility: Preparation of door hardware and keying schedules.

B. Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.

C. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated. Delete subparagraph below if not required.

D. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 and UL10C.

1. Test Pressure: After 5 minutes into the test, neutral pressure level in furnace shall be established at 40 inches (1016 mm) or less above the sill.

F. Keying Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." In addition to Owner, Construction Manager, Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant and Owner's security consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:

1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
2. Preliminary key system schematic diagram.

3. Requirements for key control system.
4. Address for delivery of keys.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.

C. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1. Verify Owner Representative's name and address for delivery of keys and permanent cores.

1.6 COORDINATION

A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. Existing Openings: Where new hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide for proper operation.

1.7 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures including excessive deflection, cracking, or breakage.
b. Faulty operation of operators and door hardware.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

A. 2. Warranty Period: Three years from date of Substantial Completion, except as follows:

a. Electromagnetic Delayed-Egress Locks: Five years from date of Substantial Completion.
b. Exit Devices: Two years from date of Substantial Completion.
c. Manual Closers: 10 years from date of Substantial Completion.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in Part 3 "Door Hardware Sets" Article.

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.
2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.

B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Sets" Article. Products are identified by using door hardware designations, as follows:

1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are listed in parentheses are product numbers referenced in the door hardware schedule.

C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

2.2 HINGES, GENERAL

A. Quantity: As scheduled.

B. Template Requirements: Provide only template-produced units.

C. Hinge Weight: As scheduled.

D. Hinge Base Metal: Unless otherwise indicated, provide the following:

1. Interior Hinges: Steel, with steel pin.
2. Hinges for Fire-Rated Assemblies: Steel, with steel pin.

E. Hinge Options: Where indicated in door hardware sets or on Drawings:

1. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for outswinging corridor doors with locks.
2. Corners: Square.

F. Fasteners: Comply with the following:

1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
2. Wood Screws: For wood doors and frames.
3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
4. Screws: Phillips flat-head; machine screws (drilled and tapped holes) for metal doors and wood screws for wood doors and frames. Finish screw heads to match surface of hinges.

2.3 HINGES

A. Butts and Hinges: BHMA A156.1. Listed under Category A in BHMA's "Certified Product Directory."

B. Template Hinge Dimensions: BHMA A156.7.

C. Manufacturers:

1. Ives Companies
2. Hager Companies.
3. *McKinney Products Company; an ASSA ABLOY Group company.

2.4 CONTINUOUS HINGES

A. Standard: BHMA A156.26, Grade 1-150.

1. Listed under Category N. in BHMA's "Certified Product Directory."

B. General: Minimum 0.120 inch (3.0 mm) thick, hinge leaves with minimum overall width of 4 inches (102 mm); fabricated to full height of door and frame and to template screw locations; with components finished after milling and drilling are complete.

1. Base Metal for Exterior Hinges: Stainless steel.
2. Base Metal for Interior Hinges: Stainless steel.

3.Base Metal for Hinges for Fire-Rated Assemblies: Stainless steel.
4. Manufacturers:

a. Hager Companies
b. Stanley Works, Stanley Security
c. *Markar Products Company; an ASSA ABLOY Group Company.

C. Continuous, Pin Type Hinges: Stainless Steel, pined, leaves; with concealed, self-lubricating thrust bearings.

2.5 LOCKS AND LATCHES, GENERAL

A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." ANSI A117.1.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

B. Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

C. Lock Trim:

1. Levers: Cast.

a. As scheduled or approved equal

2. Escutcheons (Roses): Wrought.

3. Lockset Designs: As scheduled or, if sets are provided by another manufacturer, provide designs that match those designated.

D. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Mortise Locks: Minimum 1/2-inch (13-mm) latchbolt throw.

E. Backset: 2-3/4 inches (70 mm), unless otherwise indicated.

F. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, and as follows
1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.

G. Lock Functions: Function numbers and descriptions indicated in door hardware sets comply with the following:

1. Mortise Locks: BHMA A156.13

H. Mortise Locks: BHMA A156.13, Grade 1;

1. Manufacturers:

a. Best Access Systems; Div. of the Stanley Works.
b. *SARGENT Manufacturing Company; an ASSA ABLOY Group company.
c. Schlage Commercial Lock Division; an Ingersoll-Rand Company

2.6 LOCK CYLINDERS

A. Standard Lock Cylinders: BHMA A156.5, Grade 1.

B. Cylinders: Manufacturer's standard tumbler type, constructed from brass or bronze, stainless steel, or nickel silver, and complying with the following:

1. Number of Pins: Six Pin.
2. Mortise-Lock Type: Cylinders with cams to suit locks.

C. Permanent Cores: Manufacturer's standard; finish face to match lockset; complying with the following:

1. Interchangeable Cores: Core insert, removable by use of a special key; usable with other manufacturers' cylinders.

D. Construction Keying: Comply with the following:

1. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

E. Manufacturer: Same manufacturer as for locks and latches.

F. Manufacturers:

1. (Sargent Manufacturing Company, An ASSA ABLOY Group Company).

2.7 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference, and as follows:

1. Existing System: Master key or grand master key locks to Owner's existing Sargent key system.

B. Keys: Nickel silver.

1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:

a. Notation: "DO NOT DUPLICATE."

2. Quantity: In addition to one extra key blank for each lock, provide the following:

a. Cylinder Change Keys: Three.
b. Master Keys: Five.

2.8 OPERATING TRIM

A. Standard: BHMA A156.6.

B. Materials: Fabricate from bronze, unless otherwise indicated.

C. Manufacturers:

1. Burns Manufacturing Incorporated.
2. Hager Companies.
3. *Rockwood Manufacturing Company.

2.9 EXIT DEVICES

A. Exit Devices: BHMA A156.3, Grade 1. Listed under Category G in BHMA's "Certified Product Directory."

B. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." ANSI A117.1.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

C. Exit Devices for Means of Egress Doors: Comply with NFPA 101. Exit devices shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

D. Panic Exit Devices: Listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.

E. Fire Exit Devices: Devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252.

F. Outside Trim: Lever and Lever with cylinder; material and finish to match locksets, unless otherwise indicated.

1. Match design for locksets and latchsets, unless otherwise indicated.

G. Through Bolts: For exit devices and trim on metal doors, non-fire-rated wood doors and fire-rated wood doors.

H. Manufacturers:

1. Precision Hardware, Inc. (PH).
2. *SARGENT Manufacturing Company; an ASSA ABLOY Group company.
3. Von Duprin; an Ingersoll-Rand Company.

2.10 CLOSERS

A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." ANSI A117.1.

1. Comply with the following maximum opening-force requirements:

B. 1. a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
b. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.

C. Door Closers for Means of Egress Doors: Comply with NFPA 101. Door closers shall not require more than 30 lbf (133 N) to set door in motion and not more than 15 lbf (67 N) to open door to minimum required width.

D. Power-Assist Closers: As specified in Division 08 Section “Automatic Door Operators” for access doors for people with disabilities or where listed in the door hardware sets.

E. Size of Units: Unless otherwise indicated, comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

F. Surface Closers: BHMA A156.4, Grade 1. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated.

1. Manufacturers:

a. LCN Closers; an Ingersoll-Rand Company.
b. *SARGENT Manufacturing Company; an ASSA ABLOY Group company.
c. Norton Company; an ASSA ABLOY Group Company.

2.11 PROTECTIVE TRIM UNITS

A. Size: 2 inches less than door width on push side by height specified in door hardware sets.

B. Fasteners: Manufacturer's standard machine or self-tapping screws.

C. Plastic Protective Trim Units: BHMA A156.6; beveled 4 sides; fabricated from the following material:

1. Stainless Steel: 1/8 inch (3.2 mm) thick.
2. Color and Texture: Satin
3. Manufacturers:

a. Burns Manufacturing Incorporated.
b. Hager Companies.
c. *Rockwood Manufacturing Company

2.12 STOPS AND HOLDERS

A. Stops and Bumpers: BHMA A156.16, Grade 1.

1. Provide floor stops for doors unless wall or other type stops are scheduled or indicated. Do not mount floor stops where they will impede traffic. Where floor or wall stops are not appropriate, provide overhead holders.

B. Combination Overhead Stops and Holders: BHMA A156.8, Grade 1.

C. Electromagnetic Door Holders: BHMA A156.15. Listed under Category C in BHMA's "Certified Product Directory."

1. Coordinate with fire detectors and interface with fire alarm system for labeled fire door assemblies.

D. Silencers for Metal Door Frames: BHMA A156.16, Grade 1; neoprene or rubber, minimum diameter 1/2 inch (13 mm); fabricated for drilled-in application to frame.

1. At non-gasketed interior hollow metal door frames only, furnish 3 rubber door silencers for each single door frame and 2 for each double door frame, similar to Ives No. SR64.

E. Manufacturers:
1. Burns Manufacturing Incorporated (BM)
2. Hager Companies.
3. IVES Hardware; an Ingersoll-Rand Company.-Wall stops and silencers.
4. *Rockwood Manufacturing Company.

2.13 DOOR GASKETING

A. Standard: BHMA A156.22. Listed under Category J in BHMA's "Certified Product Directory."

B. General: Provide continuous gasketing on interior doors where indicated or scheduled.

1. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
2. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

C. Air Leakage: Not to exceed 0.50 cfm per foot (0.000774 cu. m/s per m) of crack length for gasketing other than for smoke control, as tested according to ASTM E 283.

D. Smoke-Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke-control ratings indicated, based on testing according to UL 1784.

1. Provide smoke-labeled gasketing on 20-minute-rated doors and on smoke-labeled doors.

E. Fire-Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 or UL10C.

F. 1. Test Pressure: After 5 minutes into the test, neutral pressure level in furnace shall be established at 40 inches (1016 mm) or less above the sill.

G. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

H. Gasketing Materials: ASTM D 2000 and AAMA 701/702.

I. Manufacturers:

1. National Guard Products.
2. *Pemko Manufacturing Co.
3. Reese Enterprises.

2.14 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.

C. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.

2. Steel Machine or Wood Screws: For the following fire-rated applications:

a. Mortise hinges to doors.
b. Strike plates to frames.
c. Closers to doors and frames.

3. Steel Through Bolts: For the following fire-rated applications unless door blocking is provided:

a. Closers to doors and frames.
b. Surface-mounted exit devices.

4. Spacers or Sex Bolts: For through bolting of hollow-metal doors.

5. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."

2.15 FINISHES

A. Standard: BHMA A156.18, as indicated in door hardware sets.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Doors and Frames: Comply with DHI A115 Series.

1. Surface-Applied Door Hardware: Drill and tap doors and frames according to ANSI A250.6.

B. Wood Doors: Comply with DHI A115-W Series.

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights indicated as follows unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim

units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

3.4 FIELD QUALITY CONTROL

A. Independent Architectural Hardware Consultant: Owner will engage a qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.

1. Independent Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

2. Fire Rated Assemblies- Upon completion of the installation, all fire door assemblies shall be inspected to confirm proper operation of the closing device and that only the manufacturer's furnished fasteners are used for installation and that it meets all criteria of a fire door assembly per NFPA 80 2007 Edition. A written record shall be maintained and given to the owner to be made available to AHJ. The inspection of the swing fire doors, with builders hardware devices, shall be performed by individuals with knowledge and understanding of the operating components of the type of door being tested. These persons shall include FDAIs (Certified Door Assembly Inspector), an AHC or a person deemed to have similar knowledge.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.

B. Occupancy Adjustment: Approximately three months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust, including adjusting operating forces, each item of door hardware as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.6 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.7 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

3.8 DOOR HARDWARE SETS

Hardware Set #1 – 232A, 233A, 234A, 235A, 236A, 237A, 238A, 239A, 240A,241A, 242A, 243A, 244A, 245A, 246A, 247A, 248A, and 249A.

PROVIDE 60 MINUTE FIRE RATED DOOR SYSTEM(S) AND HARDWARE SYSTEM(S).

(1) PoE Electrified Hinge	**4 1/2" x 4" , 4 1/2" x 4 1/2" TA2714**	**26D**	
(2) Hinges	TA 2714 4 ½ x 4 ½	US26D	MK
(1) Mortise Lock	Sargent 70-IN220-82278-BIPS-B-LN-L-26D-HANDING		
(1) Core	Sargent IN220 Compatible Core		
(1) Door Closer	281 UO	EN	SA
(1) Kick Plate	K1050 8" X 2" LDW CSK	US32D	RO
(1) Wall Stop	406	US32D	PE
(1) Set Smoke-seal	PK 33 BL 17' D 17'	GREY	PE
(1) Drawing Wiring Diagram			
(1) PoE Switch by others			
(1)ElectroLynx POE cable	42" – PoE – C306PRJ – PoE-C306RJ		
(1) PoE Door Harness	84" – PoE – C700PRJ – PoE-C700RJ		

1. Doors require ethernet connection.

2. Power over Ethernet (PoE) access control door. Door frame shall be provided with Ethernet junction box to provide Power over Ethernet in frame. Contractor shall provide and install CAT6E to the center hinges of the corridor entrance doors of each dwelling unit.

3. Contractor shall provide and install IN220 power over ethernet (PoE) intelligent IP-enabled mortise lock and core system.

4. The Hardware Set #1 doors shall follow the Sargent Template No. 4758 for door hardware locations and Sargent part number # 70-IN220-82278-BIPS-B-LN-L-26D-HANDING.

5. Contractor shall provide and install ElectroLynx POE cable of appropriate length for each door to go from hinge to lock to deliver power and door harness. Provide Actual Cable Length for 36 inch minimum Door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep) and associated Door Harness Assembly . Verify actual door widths with door opening schedule.

.

Hardware Set #2 – 232D, 233D, 234D, 235D, 236D, 237D, 238D, 239D, 240D, 241D, 242D, 243F, 243G, 244D, 245D, 246D, 247D, 248D, 249B.

(3)	Hinges	TA 2714 4 ½ x 4 ½	US26D MK
(1)	Mortise Privacy	LB 8265 LNL	US26D SA
(1)	Wall Stop	409	US32D RO
(3)	Silencers	608-RKW	GREY RO

Hardware Set #3 – 232B, 232C, 233B, 233C, 234B, 234C, 235B, 235C, 236B, 236C, 237B, 237C, 238B, 238C, 239B, 239C, 240B, 240C, 241B, 241C, 242B, 242C, 243B, 243C, 243D, 244B, 244C, 245B, 245C, 246B, 246C, 247B, 247C, 248B, 248C.

(3)	Hinges	TA 2714 4 ½ x 4 ½	US26D MK
(1)	Mortise Privacy	LB 8265 LNL	US26D SA
(1)	Wall Stop	409	US32D RO
(1)	Silencers	608-RKW	GREY RO

Hardware Set #4 – 233E, 234E, 235E, 236E, 237E, 238E, 239E, 240E, 241E, 242E, 245E, 246E, 247E, 248E, 249C.

(1)	Track & Hardware Pack	HF2/100A/3	PE
(1)	Ball Knob	841	US26D RO

Hardware Set #5 – 232E, 243E, 244E (ADA Door Hardware Required)

(1) Track & Hardware Pack HF2/100A/3 PE
(2) **ADA Sliding Barn Door ADA Handle Set Part #**G2625ADA 841 US26D RO

1. **Provide ADA Compliant Door Handle System.**
2. **Closet pull handle shall provide 1.5" minimum clearance.**
3. **ADA Sliding and Barn Door Push/Pull Set. Pull handle is 3/4" round stock with 6" center to centers and 2-1/2 inch clearance. The flush pull is 4" x 7" x 1-1/8 inch ADA.**

Hardware Set #6 – 204A, 205A, 206A, 207A, 208A, 209A, 211A, 212A, 213A, 214A, 215A, 216A.

PROVIDE 60 MINUTE FIRE RATED DOOR SYSTEM(S) AND HARDWARE SYSTEM(S).

(3) Hinges	TA 2714 4 ½ x 4 ½	US26D	MK
(1) Storeroom Lock	64-8204 LNL 1164	US26D	SA
(1) Core	6300	US26D	SA
(1) Door Closer	281 UO	EN	SA
(1) Wall Stop	406	US32D	RO
(1) Set Smoke Seal	PK 33 BL 17' D 17'	GREY	PE

Hardware Set #7 – 209A

PROVIDE 60 MINUTE FIRE RATED DOOR SYSTEM(S) AND HARDWARE SYSTEM(S).

(3) Hinges	TA2714 4-1/2" x 1/2"	US26D	MK
(1) Office Lock	64-8205 LNL 1164	US26D	SA
(1) Core	6300	US26D	SA
(1) Door Closer	281 UO	EN	SA
(1) Wall Stop	406	US32D	RO
(1) Set Smoke-seal	PK 33 BL 17' D 17'	GREY	PE

Hardware Set #8 – 232P, 233P, 234P, 235P, 236P, 237P, 238P, 239P, 240P, 241P, 242P, 243P, 244P, 245P, 246P, 247P, 248P, 249P.

All Hardware by Access Door vendor.

END OF SECTION



ADDENDUM NO. 02 - 08/21/2026

ELECTRICAL LEGEND

GENERAL ELECTRICAL DEVICES:

$ SINGLE POLE LIGHTING SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.
SUBSCRIPT INDICATES AS FOLLOWS:
3 - THREE-WAY LIGHTING SWITCH.
M - MOTOR RATED SWITCH MOUNTED AT THE EQUIPMENT. PROVIDE PHENOLIC LABEL.
CF - COMBINATION FAN CONTROLLER. SWITCH SHALL INDEPENDENTLY CONTROL FAN SPEED AND LIGHT. BASIS OF DESIGN - OXYGEN OSLO.
D - LINE VOLTAGE DIMMER.

DUPLEX RECEPTACLE NEMA 5-20R. MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS:
G - GROUND FAULT CIRCUIT INTERRUPTER TYPE.
EWC - GFI DEVICE. CONCEAL RECEPTACLE BEHIND EWC (COORDINATE WITH DIVISION 23).
SPR - SURGE PROTECTION RECEPTACLE.
WP - GFI DEVICE WITH DIECAST WEATHERPROOF BACKBOX & DIECAST WEATHERPROOF (IN-USE) COVERPLATE. IN EXTERIOR LOCATIONS MOUNT 30" AFG. WEATHERPROOF OUTLET BOX HOODS ARE TO BE LISTED AND IDENTIFIED AS "EXTRA-DUTY".
TV - MOUNT RECEPTACLE BEHIND TV. SEE ARCHITECTURAL ELEVATIONS FOR C/L HEIGHT.
84" - MOUNTING HEIGHT OF DEVICE AFF.
USB - PROVIDE RECEPTACLE WITH INTEGRAL USB TYPE A AND C PORTS.
KH - GFCI RECEPTACLE FOR KITCHEN HOOD, FIELD VERIFY FINAL MOUNTING LOCATION PRIOR TO ROUGH-IN.

DUPLEX RECEPTACLE MOUNTED 42" AFF. OR MOUNT 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS.

SPECIAL NEMA TYPE RECEPTACLE. VERIFY WITH EQUIPMENT BEING SUPPLIED. MOUNTED 10" AFF, UNLESS NOTED OTHERWISE.

QUADRAPLEX RECEPTACLE (TWO NEMA 5-20R) MOUNTED 18" AFF. UNLESS NOTED OTHERWISE

QUADRAPLEX RECEPTACLE (TWO NEMA 5-20R) MOUNTED 42" AFF. OR MOUNT 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN.

LIGHTING CONTROL EQUIPMENT:

LVM $ WALL MOUNTED MASTER LOW VOLTAGE LIGHT SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.

$ LV WALL MOUNTED LOW VOLTAGE LIGHT SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.

RD NETWORKED LIGHTING CONTROL RELAY WITH 0-10V DIMMING. SENSOR SWITCH nPP16D OR EQUAL.

DISTRIBUTION & POWER EQUIPMENT:

PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.

DISTRIBUTION PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.

EXISTING SWITCHBOARD.

NEC 110.26(A) WORKING CLEARANCE.

NON-FUSED HEAVY DUTY SAFETY SWITCH. SIZE FOR LOAD BEING SERVED.

FUSED HEAVY DUTY SAFETY SWITCH. SIZE FOR LOAD BEING SERVED.

ACCESS CONTROL/ SECURITY MANAGEMENT SYSTEM:

CCTV SYSTEM IP CEILING MOUNT DOME CAMERA. AVIGILON 5.0C-H6SL-D1-IR SECURITY CAMERA OR EQUAL.

LIGHTING FIXTURES:

SEE LIGHTING FIXTURE SCHEDULE FOR SYMBOLS AND DESCRIPTIONS.

MISCELLANEOUS EQUIPMENT:

(S) MOTOR FURNISHED BY OTHERS.

(J) JUNCTION BOX.

(E) ELECTRICAL CONNECTION TO EQUIPMENT. VERIFY LOCATION WITH EQUIPMENT PROVIDER. SUBSCRIPT INDICATES AS FOLLOWS:
SD - CONNECTION FOR SMOKE DAMPER. COORDINATE EXACT LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN.

(R) ROUGH-IN BOX. MOUNT AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE. PROVIDE 4" SQUARE BY 2 1/8" DEEP BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TURNED HORIZONTAL WITH BUSHING AND PULL STRING.

FIRE ALARM SYSTEM:

(F) FIRE ALARM SYSTEM ADDRESSABLE SINGLE ACTION MANUAL PULL STATION. MOUNT 48" TO CENTER OF DEVICE. PROVIDE WITH CLEAR AUDIBLE PROTECTIVE SHIELD.

(F) 110cd FIRE ALARM SYSTEM SPEAKER STROBE ALARM (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO THE BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WG" INDICATED PROVIDE A WIRE GUARD OVER DEVICE.

(F) 75cd FIRE ALARM SYSTEM VISUAL ONLY APPLIANCE (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICH EVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WP" INDICATES WEATHERPROOF DEVICE

(F) FIRE ALARM SYSTEM SPEAKER ALARM.

(H) FIRE ALARM SYSTEM ADDRESSABLE HEAT DETECTOR. CEILING MOUNT. SUBSCRIPT 190° INDICATES TO PROVIDE 190° DEVICE WITH MONITOR MODULE.

(S) FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNT. UNLESS NOTED OTHERWISE. SUBSCRIPT AS FOLLOWS:
SB - PROVIDE 520 Hz LOW FREQUENCY SOUNDER BASE.

(D) FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC DUCT MOUNTED SAMPLE TUBE TYPE SMOKE DETECTOR. PROVIDED BY DIV. 26, INSTALLED BY DIV. 25 AND CONNECTED BY DIV. 26. SUBSCRIPT INDICATES AS FOLLOWS:
SD - INSTALL WITHIN 5' OF SMOKE DAMPER. WIRE TO DAMPER ACTUATOR. DETECTOR SHALL BE LOCATED BETWEEN THE LAST INLET OR OUTLET UPSTREAM OF THE DAMPER AND THE FIRST INLET OR OUTLET DOWNSTREAM OF THE DAMPER.

(R) FIRE ALARM SYSTEM ADDRESSABLE AIR HANDLING UNIT SHUT-DOWN RELAY (UNLESS NOTED OTHERWISE). PROVIDE WITH POWER RELAY WHERE REQUIRED.

(E) FIRE ALARM SYSTEM ADDRESSABLE CONTROL DEVICE FOR ELEVATOR RECALL/CAPTURE AND SHUNT TRIPPING AS REQUIRED BY CODE/FIRE MARSHAL. PROVIDE AS REQUIRED FOR "DESIGNATED" AND "ALTERNATE" FLOORS. ALSO INCLUDE ALL WORK REQUIRED TO SUPERVISE THE SHUNT TRIP CKT.

FACP EXISTING FIRE ALARM CONTROL PANEL.

NAC NOTIFICATION APPLIANCE CIRCUIT (NAC) EXTENDER PANEL. BATTERY SUPPLIES TO BE MOUNTED IN CABINET. FIELD VERIFY EXACT MOUNTING LOCATION

HA ADDRESSABLE MONITOR MODULE CONNECTED TO HOOD ALARM SYSTEM.

MM ADDRESSABLE MONITOR MODULE. SUBSCRIPT INDICATES AS FOLLOWS:
SD - MONITOR MODULE FOR SMOKE DAMPER. COORDINATE EXACT LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN.

CC EXISTING 2-WAY COMMUNICATIONS - CALL COMMANDER. PROVIDES MEANS FOR ON-SITE COMMUNICATIONS BETWEEN RESCUE PERSONNEL AND TRAPPED PARTIES. (AVIRE OR APPROVED EQUAL)

BOSS EXISTING 2-WAY COMMUNICATIONS - BOSS. INCLUDES BUILT-IN SUPERVISION OF CALL BOX INTEGRITY, POWER, AND PHONE LINES. (AVIRE OR APPROVED EQUAL)

CB 2-WAY COMMUNICATIONS - CALL BOX. INTERCONNECTED WITH SMART COMMAND SYSTEM. (AVIRE OR APPROVED EQUAL)

OTHER:

CIRCUIT RUN CONCEALED ABOVE CEILING OR IN WALL.

CIRCUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND.

2P2-9 HOMERUN TO PANELBOARD. ANY CIRCUIT WITHOUT FURTHER DESIGNATION SHALL BE 2#12,#12G,1/2"C. TICK MARKS INDICATE # OF CONDUCTORS (EGC NOT INCLUDED). MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 50 FEET SHALL BE #10 AWG. MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 100 FEET SHALL BE #8 AWG. MINIMUM SIZE ON 277V HOMERUNS GREATER THAN 100 FEET SHALL BE #10 AWG. INCREASE CONDUIT SIZE AS REQUIRED PER NEC. UNDERLINED TEXT INDICATES CIRCUIT DESIGNATION.

AHU 1 MECHANICAL EQUIPMENT IDENTIFICATION TAG. SEE MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE.

FD3H LIGHT FIXTURE IDENTIFICATION TAG. SEE LIGHT FIXTURE SCHEDULE FOR SYMBOLS & DETAILS.

1 SHEET NOTE TAG.

4LP1 PANELBOARD, SWITCHBOARD, TRANSFORMER & ELECTRICAL EQUIPMENT IDENTIFICATION TAG.

ROOM 249 ROOM NUMBER TAG.

LEADERS.

TELECOMMUNICATIONS LEGEND:

AC D3 WORK AREA OUTLET (WAO). MOUNT ON WALL AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE.
SUBSCRIPT INDICATE AS FOLLOWS:
AC - MOUNT ABOVE COUNTER. COORDINATE WITH CASEWORK PRIOR TO ROUGH-IN.
84" - MOUNTING HEIGHT AFF.
ELEV - WAO TO SERVE ELEVATOR.
TV - MOUNT DATA DEVICE BEHIND TV. SEE ARCHITECTURAL ELEVATIONS FOR CEILING HEIGHT.

D3V1 WAO TYPE IDENTIFICATION TAG. THE NUMBER AFTER THE D INDICATES THE QUANTITY OF DATA/VOICE JACKS. THE NUMBER AFTER THE V INDICATES THE QUANTITY OF VIDEO JACKS. EACH JACK SHALL HAVE A DEDICATED HORIZONTAL CABLE HOMERUN. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR COLOR CODING AND OTHER OUTLET REQUIREMENTS.

WAP WIRELESS ACCESS POINT

TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). SEE DETAILS AND NOTES.

S.T.I. EZ-PATH TRIPLE PATHWAY, FIRE RATED PATHWAY.

EH PoE HINGE. BASIS OF DESIGN - McKINNEY TA2714 26D PoE OR APPROVED EQUAL. 2

LINE TYPE LEGEND

NEW WORK

EXISTING TO REMAIN

EXISTING TO BE REMOVED BY CONTRACTOR

GENERAL NOTES

1. INFORMATION GIVEN HEREIN WAS TAKEN FROM ORIGINAL AS-BUILT DRAWINGS AND ON-SITE FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK.
2. UPON DISCOVERY OF DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING FIELD CONDITIONS OR UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF WORK AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF THE CONDITION IN QUESTION PRIOR TO COMMENCING WORK IN THAT AREA.
3. SEAL ANY OPENINGS MADE IN FIRE RATED WALLS, WHETHER SHOWN ON THE DRAWINGS OR NOT.
4. SEAL WALL OPENINGS MADE FROM EXISTING CONDUIT AND DEVICE REMOVAL DURING DEMOLITION.
5. CONTRACTOR SHALL RESTORE ALL SURFACES DAMAGED BY CONSTRUCTION TO ORIGINAL CONDITION, INCLUDING BUT NOT LIMITED TO, REPLACING DAMAGED CEILING TILES, PATCHING AND PAINTED DAMAGED WALLS AND CEILINGS, GROUTING, SEALING, AND PAINTING DAMAGED SURFACES, ETC.
6. ALL CIRCUITS OR FEEDERS PASSING THROUGH THE SPACE THAT SERVE AREAS OUTSIDE OF THE RENOVATION AREA SHALL BE PROTECTED AND SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.
7. CONTRACTOR SHALL REPAIR CONCRETE THAT IS DISTURBED DURING CONSTRUCTION TO MATCH ORIGINAL CONDITIONS.
8. DCM PERMITS ENGINEERS TO TAKE EXCEPTION TO THE REQUIREMENTS OF ASHRAE 90.1-2013 FOR AUTOMATIC RECEPTACLE CONTROL. THE EXCEPTION TO 90.1 SECTION 8.4.2 IS TAKEN IN THESE DRAWINGS. DCM PROJECT NUMBER: 2026138

DIVISION 27 CONTRACTOR RESPONSIBILITIES AND COORDINATION NOTE

THIS LIST IS NOT COMPREHENSIVE. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR ANY ADDITIONAL REQUIREMENTS SHOWN ON THE TELECOMMUNICATIONS DRAWINGS AND/OR REQUIRED TO PROVIDE A COMPLETE SYSTEM.

1. GROUNDING:
THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR INSTALLING THE GROUNDING BUSBARS AS SHOWN ON THE DRAWINGS AND CONNECTING THEM TO THE BUILDINGS MAIN ELECTRICAL SERVICE GROUND. THE EC SHALL ALSO BE RESPONSIBLE FOR ALL BONDING BACKBONES AND GROUNDING ALL BACKBONE CONDUIT AND CABLE TRAY. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR GROUNDING ALL RACKS, VOICE BLOCKS, PROTECTOR BLOCKS, CABLE LADDER TRAY IN COMMUNICATION ROOMS TO THE LOCAL TGB IN THE TR.

2. FIRESTOPPING:
THE EC SHALL BE RESPONSIBLE FOR FIRESTOPPING SLEEVE ASSEMBLIES TO OBTAIN A UL RATING. THE SCSC SHALL BE RESPONSIBLE FOR FIRESTOPPING INSIDE THE RACEWAYS AFTER INSTALLATION OF CABLING IS COMPLETE.

3. RACEWAYS:
THE EC SHALL BE RESPONSIBLE FOR ALL BACKBONE CONDUIT, HORIZONTAL CONDUIT, CABLE TRAYS (EXCEPT PERIMETER CABLE TRAYS AND LADDER TRAYS IN TRs) AND CABLING PATHWAYS. THIS IS TO INCLUDE ALL INTERIOR AND EXTERIOR CONDUIT, ALL WALL PENETRATIONS AND CONDUIT SLEEVES WHETHER SHOWN ON THE DRAWINGS OR AS REQUIRED TO PENETRATE FULL HEIGHT PARTITIONS AS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONDUIT PATHWAYS SHALL INCLUDE ALL DEVICE BOXES, PULLBOXES, PULLTAPE, PULLSTRINGS, CONDUIT MARKINGS, ETC. PROVIDE END BUSHINGS ON ALL CONDUIT. THE SCSC SHALL BE RESPONSIBLE FOR THE FOLLOWING ITEMS IN TELECOMMUNICATIONS ROOMS ONLY: RUNWAYS, PERIMETER CABLE TRAY, D-RINGS, CABLE TIES AND/OR ANY OTHER REQUIREMENTS FOR ROUTING AND SECURING CABLE IN THE TELECOMMUNICATIONS ROOMS. THE SCSC SHALL PROVIDE ANY INNERDUCT IN BACKBONE CONDUITS AS REQUIRED IN THE SPECIFICATIONS AND DRAWINGS. WAP ENCLOSURES SHALL BE OFCI, WAP ELECTRONICS SHALL BE OFOI.

4. COMMUNICATIONS CABLING:
THE SCSC SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, TERMINATING, TESTING AND LABELING ALL COMMUNICATIONS CABLES.

5. COMMUNICATIONS WORK AREA OUTLETS:
THE EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT AND BACKBOXES ASSOCIATED WITH THE WAOs. SCSC SHALL PROVIDE ALL CABLING, OUTLET DEVICES AND FACEPLATES.

6. BACKBOARDS:
THE SCSC SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL BACKBOARDS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLETE SYSTEM. THE EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF ELECTRICAL CONDUIT PRIOR TO INSTALLATION OF BACKBOARDS. ALL POWER CONDUIT SHALL BE CONCEALED IN WALL BEHIND ALL BACKBOARDS. BACKBONE CONDUIT SHALL BE EXPOSED.

7. INTERBUILDING & EXTERIOR WORK:
COORDINATE ALL WORK WITH THE APPROPRIATE PROVIDERS.

ABBREVIATIONS	
72°	DEGREES
A	AMPS
AC	ABOVE COUNTER
AF	AMP FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ARCH	ARCHITECT OR ARCHITECTURAL
AT	AMP TRIP
ATU	AIR TERMINAL UNIT
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BFG	BELOW FINISHED GRADE
BJ	BONDING JUMPER
BKR	CIRCUIT BREAKER
BLDG	BUILDING
BOD	BASIS OF DESIGN
C	CONDUIT
C/B	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CURRENT LIMITING
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DEMO	DEMOLISH
DM	EXISTING TO BE DEMOLISHED
DT	DIGITAL TIME CLOCK
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EX	EXISTING TO REMAIN
F/A	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FU	FUSE
G	GROUND (OR GFCI FOR RECEPTACLE)
GC	GENERAL CONTRACTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AND AIR-CONDITIONING
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
k	KILO
kAIC	KILO-AMPERE INTERRUPTING CAPABILITY
kCMIL	THOUSAND CIRCULAR MILS
LFMC	LIQUID TIGHT FLEXIBAL METAL CONDUIT
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY

ABBREVIATIONS	
MCE	MAIN COMMUNICATIONS EQUIPMENT ROOM
MCM	THOUSAND CIRCULAR MILS
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MNT	MOUNTING HEIGHT
MTG	MOUNTING
N1	NEMA 1
N3R	NEMA 3R
N/A	NOT APPLICABLE
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NESC	NATIONAL ELECTRICAL SAFETY CODE
NEU	NEUTRAL
NIC	NOT IN CONTRACT
OCPD	OVERCURRENT PROTECTION DEVICE
OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED / OWNER INSTALLED
PBD	PANELBOARD
PF	POWER FACTOR
PNL	PANELBOARD
PoE	POWER OVER ETHERNET
PT	POWER TRANSFORMER
PWR	POWER
REC	RECEPTACLE
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	ROOM
RNC	RIGID NON-METALLIC CONDUIT
S/M	SINGLEMODE
SA	SURGE ARRESTER
SCA	SHORT CIRCUIT AMPS
SF	SUPPLY FAN
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT-AMPERES
VAV	VOLT-AMPERES REACTIVE
W	WATTS
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
WSR	WITHSTAND RATING
XFMR	TRANSFORMER
Δ	DELTA
Φ	PHASE
Ω	OHMS

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE
Michael C. Lee, 39426

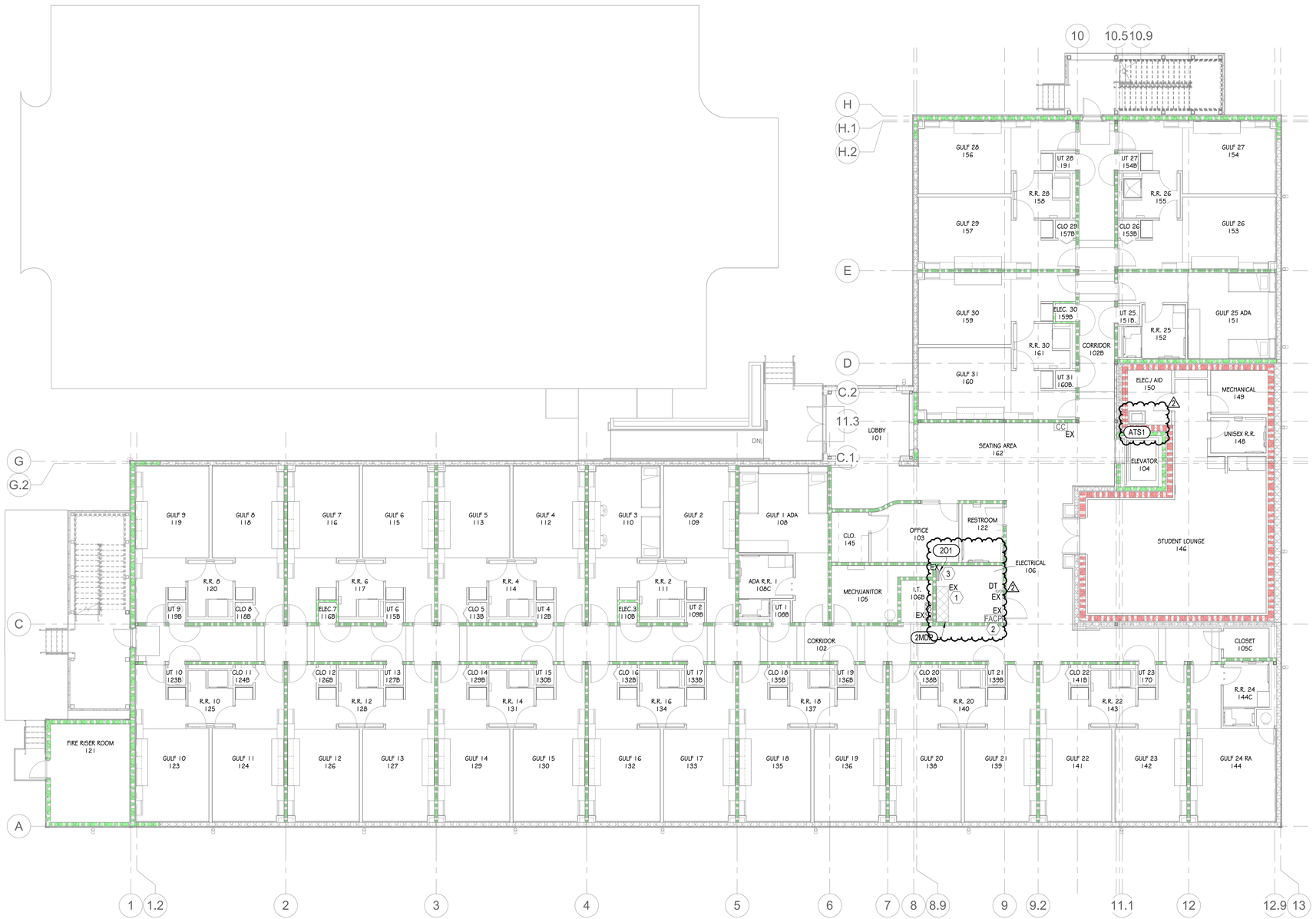
LEGEND, NOTES & ABBREVIATIONS

E0.01

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SHEET NOTES

1	EXISTING 208Y/120V, 3PH/4W, 2500A MCB, 42kAIC SERVICE RATED SWBD INSTALLED UNDER FIRST FLOOR PROJECT.
2	EXISTING FACP INSTALLED UNDER FIRST FLOOR PROJECT.
3	EXISTING 208Y/120V, 3PH/4W, 200A MCB, 22kAIC SERVICE RATED PANELBOARD INSTALLED UNDER FIRST FLOOR PROJECT.



PLAN NORTH TRUE NORTH

1 FIRST FLOOR PLAN - REFERENCE

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

0 4' 8' 16'

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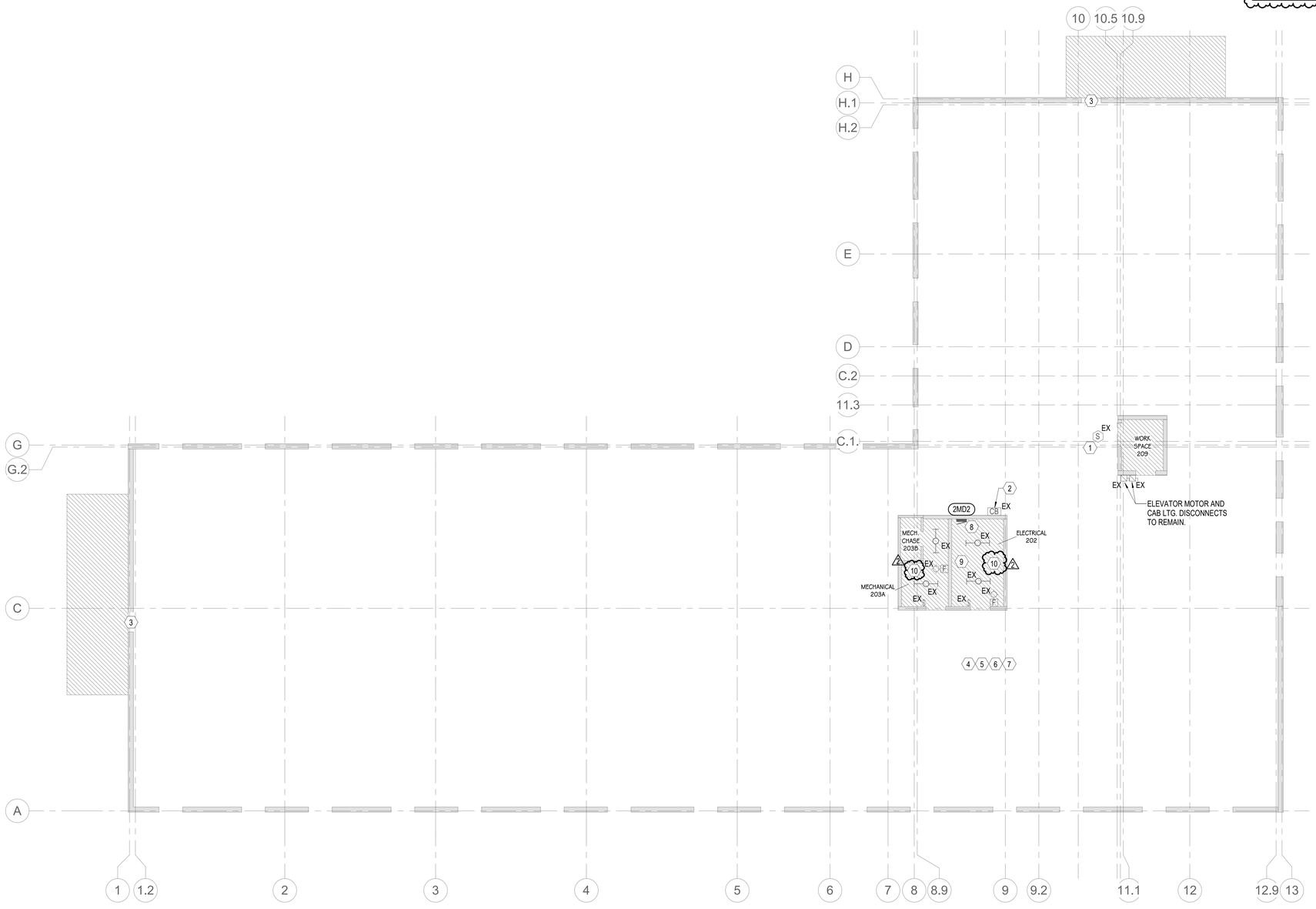
ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER CHRISTOPHER LEE 08-21-2026
Michael C. Lee 39426

FIRST FLOOR PLAN - REFERENCE

E1.01

SHEET NOTES

1	DISCONNECT AND REMOVE EXISTING SMOKE DETECTOR FOR REINSTALLATION IN NEW CEILING. SEE FIRE ALARM FLOOR PLAN.
2	DISCONNECT AND REMOVE EXISTING TWO-WAY COMMUNICATIONS DEVICE FOR REINSTALLATION. SEE FIRE ALARM FLOOR PLAN.
3	EXISTING ACCESS CONTROLS AND CIRCUIT SERVING DOOR SHALL REMAIN.
4	DISCONNECT AND REMOVE ALL EXISTING POWER CIRCUITS, CONDUITS, DEVICES, ETC SERVING SPACE, UNO.
5	DISCONNECT AND REMOVE ALL EXISTING LIGHTING CIRCUITS, CONDUITS, DEVICES, FIXTURES, ETC SERVING SPACE, UNO.
6	DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM CIRCUITS, CONDUITS, DEVICES, ETC SERVING SPACE, UNO.
7	DISCONNECT AND REMOVE ALL EXISTING TELECOMMUNICATIONS CABLING, CONDUITS, DEVICES, ETC SERVING SPACE.
8	EXISTING 208Y/120V, 3PH/4W, 100A MCB, 22kAIC PANELBOARD INSTALLED UNDER FIRST FLOOR PROJECT.
9	EXISTING 3-3"C & 1-2"C STUB UPS FROM ELECTRICAL ROOM BELOW SHALL BE USED TO SERVE NEW PANELBOARDS. SEE SINGLE LINE DIAGRAM.
10	ALL CIRCUITS OR FEEDERS PASSING THROUGH THE SPACE THAT SERVE AREAS OUTSIDE OF THE RENOVATION AREA SHALL BE PROTECTED AND SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.



PLAN NORTH

TRUE NORTH

2 SECOND FLOOR PLAN - DEMOLITION

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

0 4' 8' 16'

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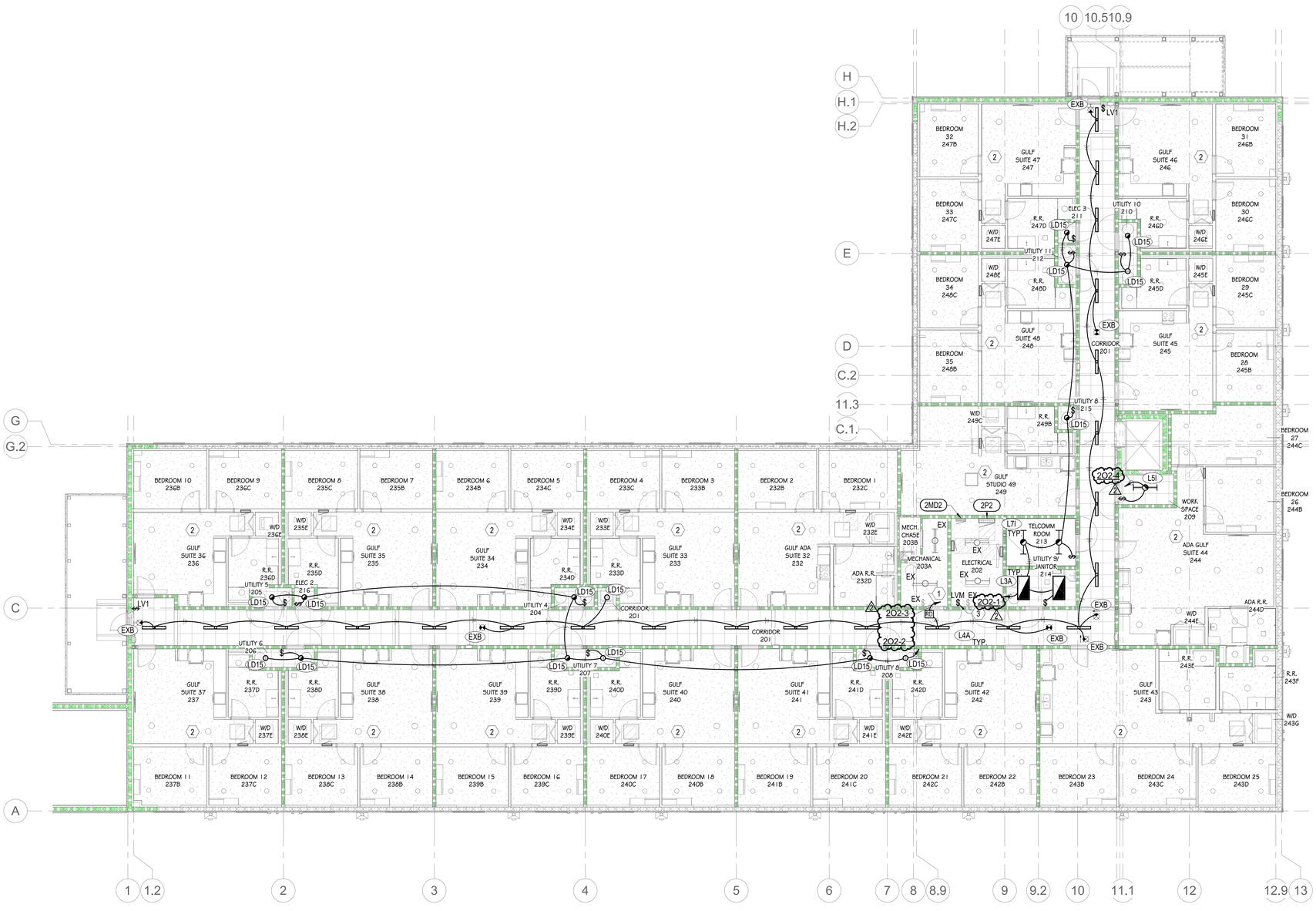
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Michael C. Lee, 39426

SECOND FLOOR PLAN - DEMO

E1.02

SHEET NOTES

1	LIGHT FIXTURES IN CORRIDOR SHALL BE CONTROLLED VIA MASTER LOW VOLTAGE SWITCH IN ELECTRICAL 202. COORDINATE EXACT PROGRAMMING WITH OWNER REPRESENTATIVE DURING SYSTEM STARTUP.
2	SEE ENLARGED PLANS FOR REQUIREMENTS.
3	COORDINATE SWITCH LOCATION WITH OWNER PRIOR TO ROUGH-IN.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - LIGHTING

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

0 4' 8' 16'

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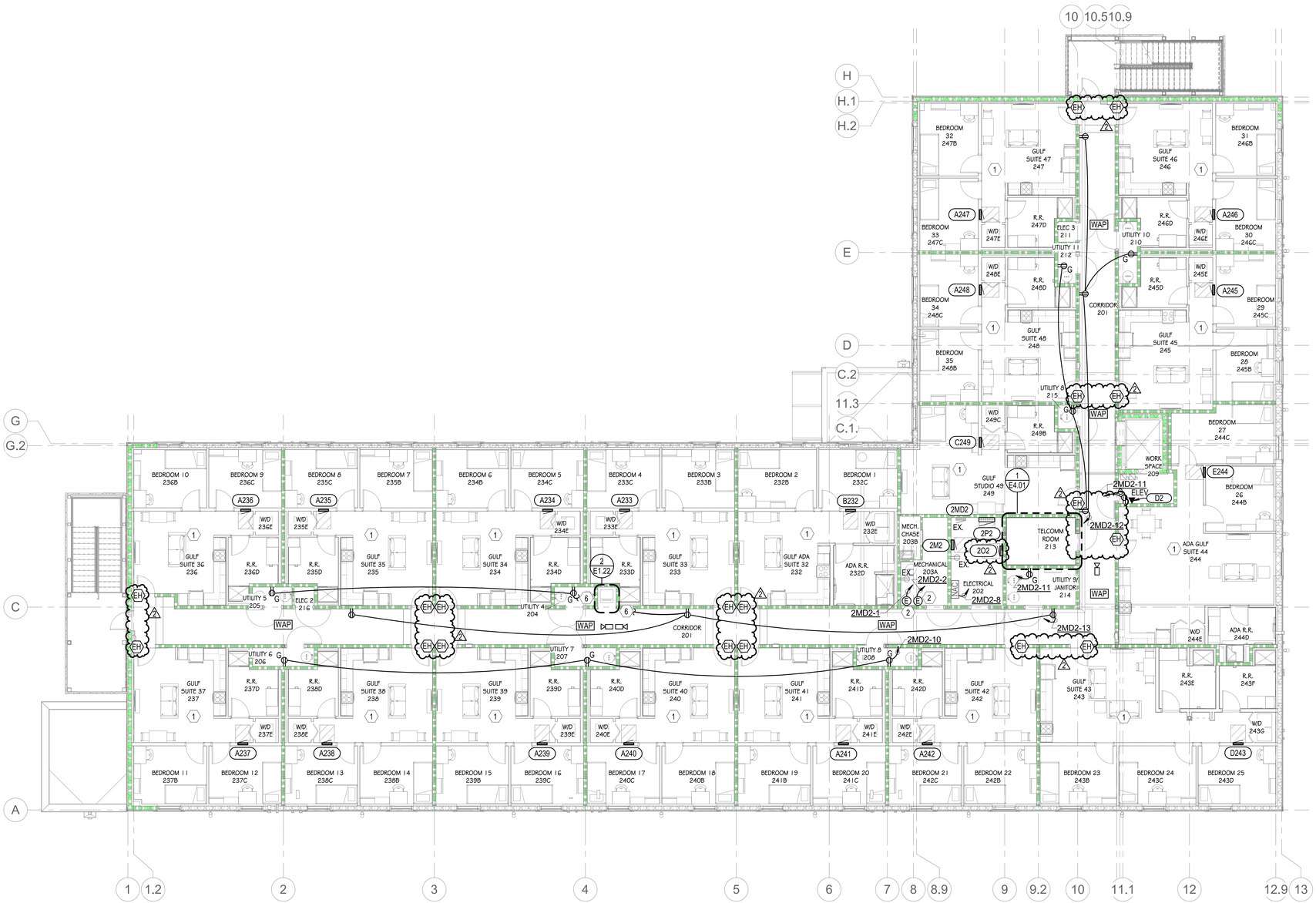
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Michael C. Lee 38426

SECOND FLOOR PLAN - LIGHTING

E1.12

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SHEET NOTES	
1	SEE ENLARGED PLANS FOR REQUIREMENTS.
2	ELECTRICAL CONNECTION FOR MECHANICAL CONTROL PANEL. COORDINATE FINAL LOCATION AND FINAL POWER REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
3	CIRCUIT CONTINUATION ON DETAIL TWO, THIS SHEET.
4	CONNECTION TO ICE MACHINE. COORDINATE EXACT REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.
5	PROVIDE 20/1 N1, TSM.
6	CIRCUIT CONTINUATION ON DETAIL ONE, THIS SHEET.



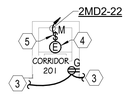
1 SECOND FLOOR PLAN - POWER & TELECOMMUNICATIONS

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

0 4' 8' 16'

PLAN NORTH

TRUE NORTH



2 ENLARGED FLOOR PLAN - POWER

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

0 4' 8' 16'

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No. 39426
MICHAEL CHRISTOPHER LEE
Michael C. Lee 39426

SECOND FLOOR PLAN - POWER & TELECOMMUNICATIONS

E1.22

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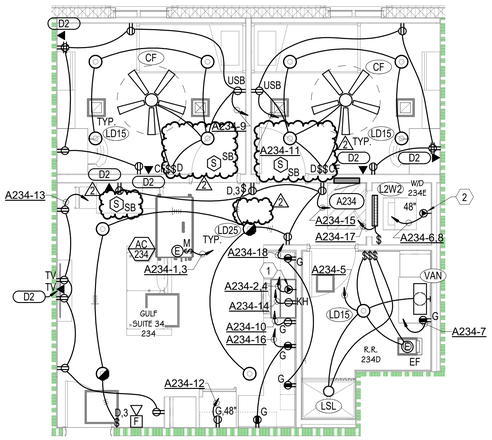
GENERAL NOTES

1	ALL RECEPTACLES INSTALLED IN DORMITORY UNITS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES IN ACCORDANCE WITH NEC 406.12.
2	ALL AUDIBLE NOTIFICATION IN SLEEPING ROOMS SHALL BE A 520 Hz LOW-FREQUENCY SIGNAL IN COMPLIANCE WITH NFPA 72.

SHEET NOTES

1	NEMA 14-50R. CKT 3#6, #10G, 1"C.
2	NEMA 14-30R. CKT 3#10, #10G, 3/4"C.
3	CIRCUIT TO HOOD SYSTEM CONTROL BOX. POWER SERVING RANGE RECEPTACLE SHALL SHUT OFF UPON FIRE CONDITION.

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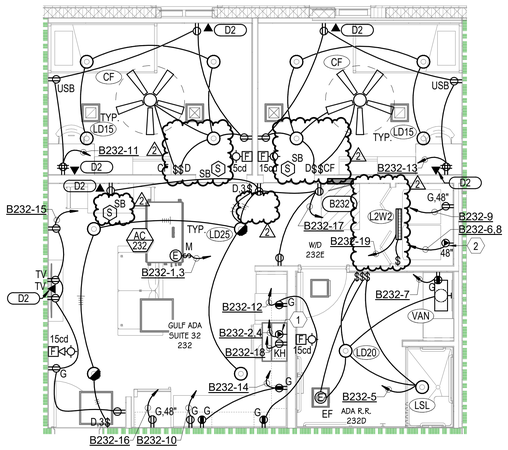


PLAN NORTH / TRUE NORTH

1 TYPICAL SUITE A FLOOR PLAN

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

0 4' 8' 16'

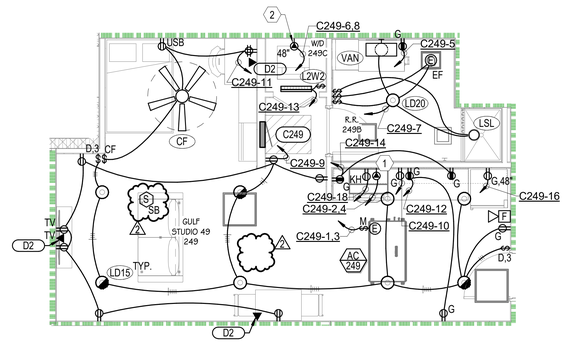


PLAN NORTH / TRUE NORTH

2 TYPICAL SUITE B FLOOR PLAN

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

0 4' 8' 16'

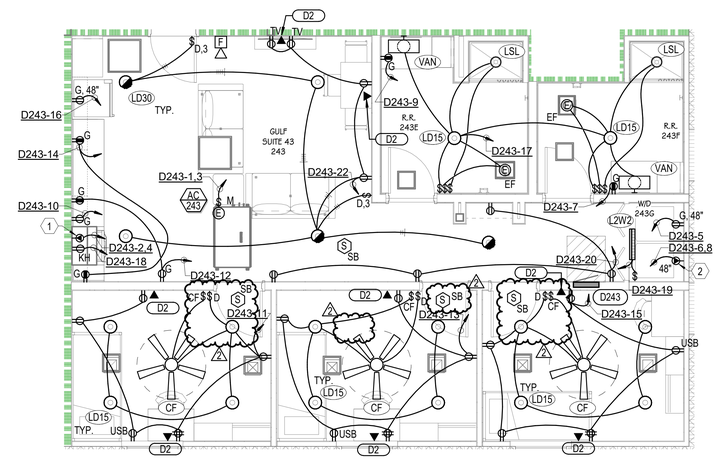


PLAN NORTH / TRUE NORTH

3 TYPICAL SUITE C FLOOR PLAN

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

0 4' 8' 16'

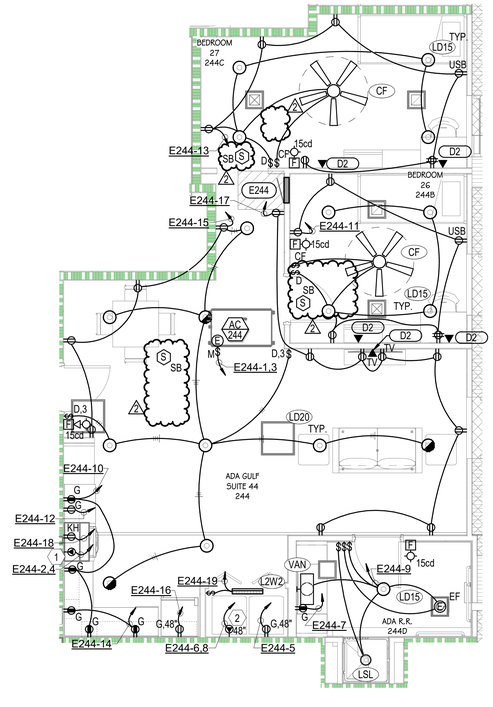


PLAN NORTH / TRUE NORTH

4 TYPICAL SUITE D FLOOR PLAN

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

0 4' 8' 16'

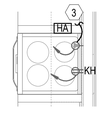


PLAN NORTH / TRUE NORTH

5 TYPICAL SUITE E FLOOR PLAN

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

0 4' 8' 16'



PLAN NORTH / TRUE NORTH

6 TYPICAL RANGE FIRE ALARM DETAIL

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

0 4' 8' 16'

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ENLARGED SECOND FLOOR PLANS - ELECTRICAL

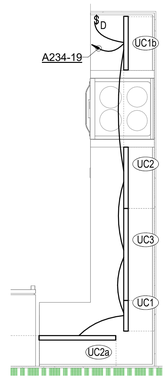
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GENERAL UNDER-CABINET LIGHTING NOTES

1	CONTRACTOR SHALL FIELD VERIFY CABINET DIMENSIONS PRIOR TO ORDERING FIXTURES

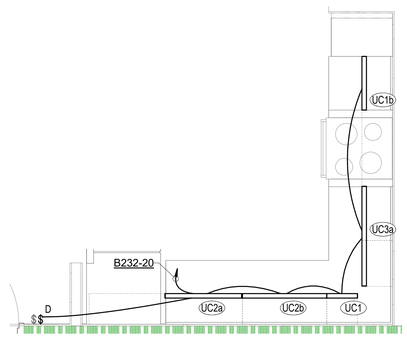
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1 TYPICAL SUITE A FLOOR PLAN - UNDER-COUNTER LIGHTS

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

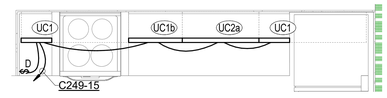
0' 4' 8' 16'



2 TYPICAL SUITE B FLOOR PLAN - UNDER-COUNTER LIGHTS

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

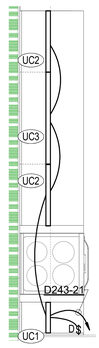
0' 4' 8' 16'



3 TYPICAL SUITE C FLOOR PLAN - UNDER-COUNTER LIGHTS

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

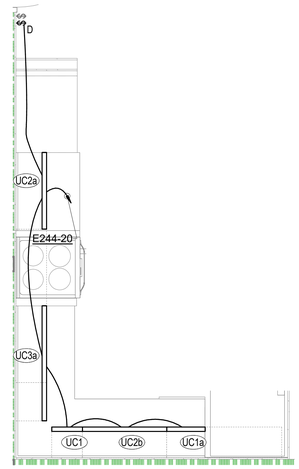
0' 4' 8' 16'



4 TYPICAL SUITE D FLOOR PLAN - UNDER-COUNTER LIGHTS

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

0' 4' 8' 16'



5 TYPICAL SUITE E FLOOR PLAN - UNDER-COUNTER LIGHTS

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

0' 4' 8' 16'

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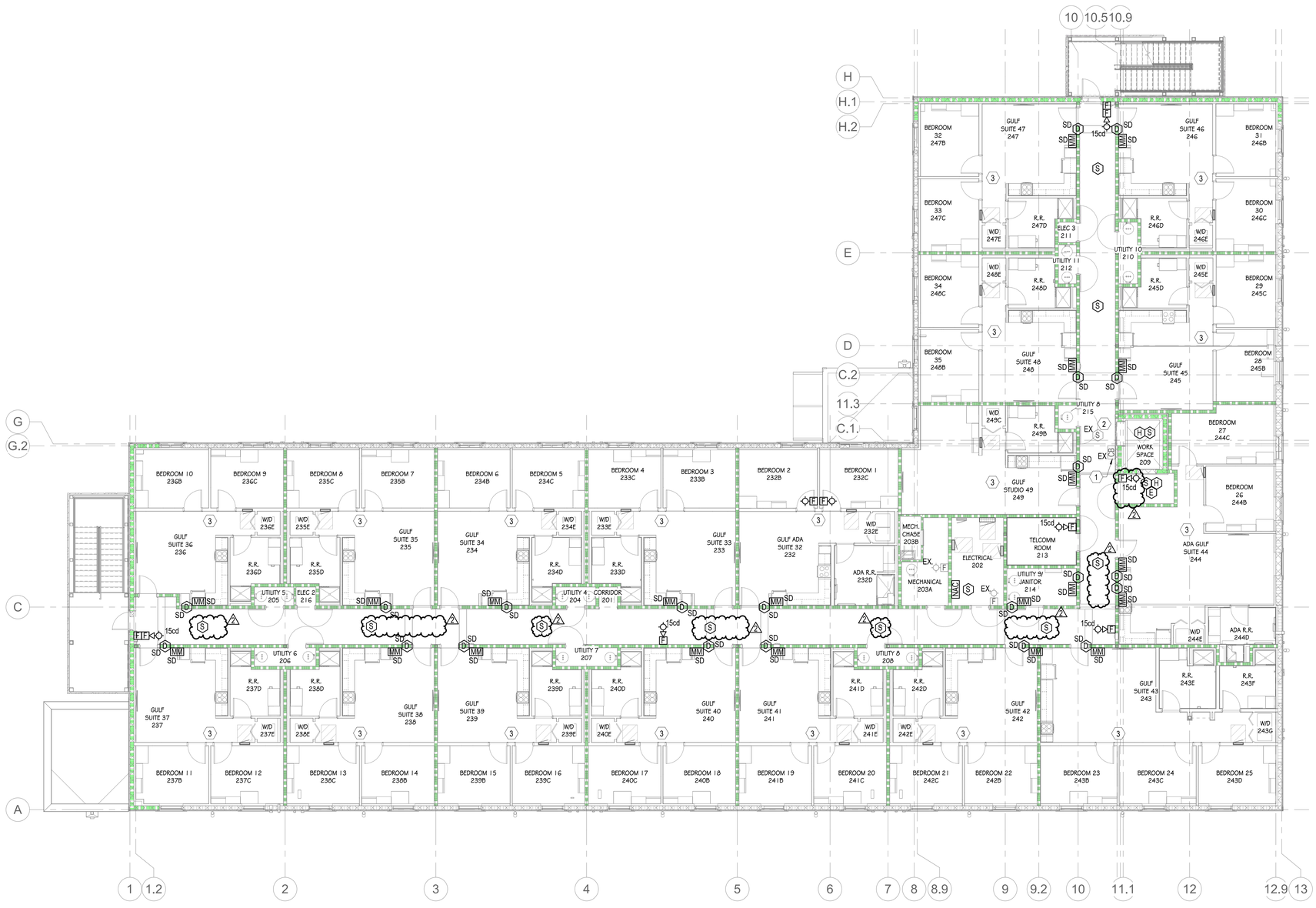
SUITE CABINET LIGHTING PLANS

E1.24

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SHEET NOTES

1	EXISTING CALLBOX RELOCATED FROM DEMOLITION PLAN.
2	EXISTING SMOKE DETECTOR RELOCATED FROM DEMOLITION PLAN.
3	SEE ENLARGED PLANS FOR REQUIREMENTS.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - FIRE ALARM

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

0 4' 8' 16'

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SECOND FLOOR PLAN - FIRE ALARM

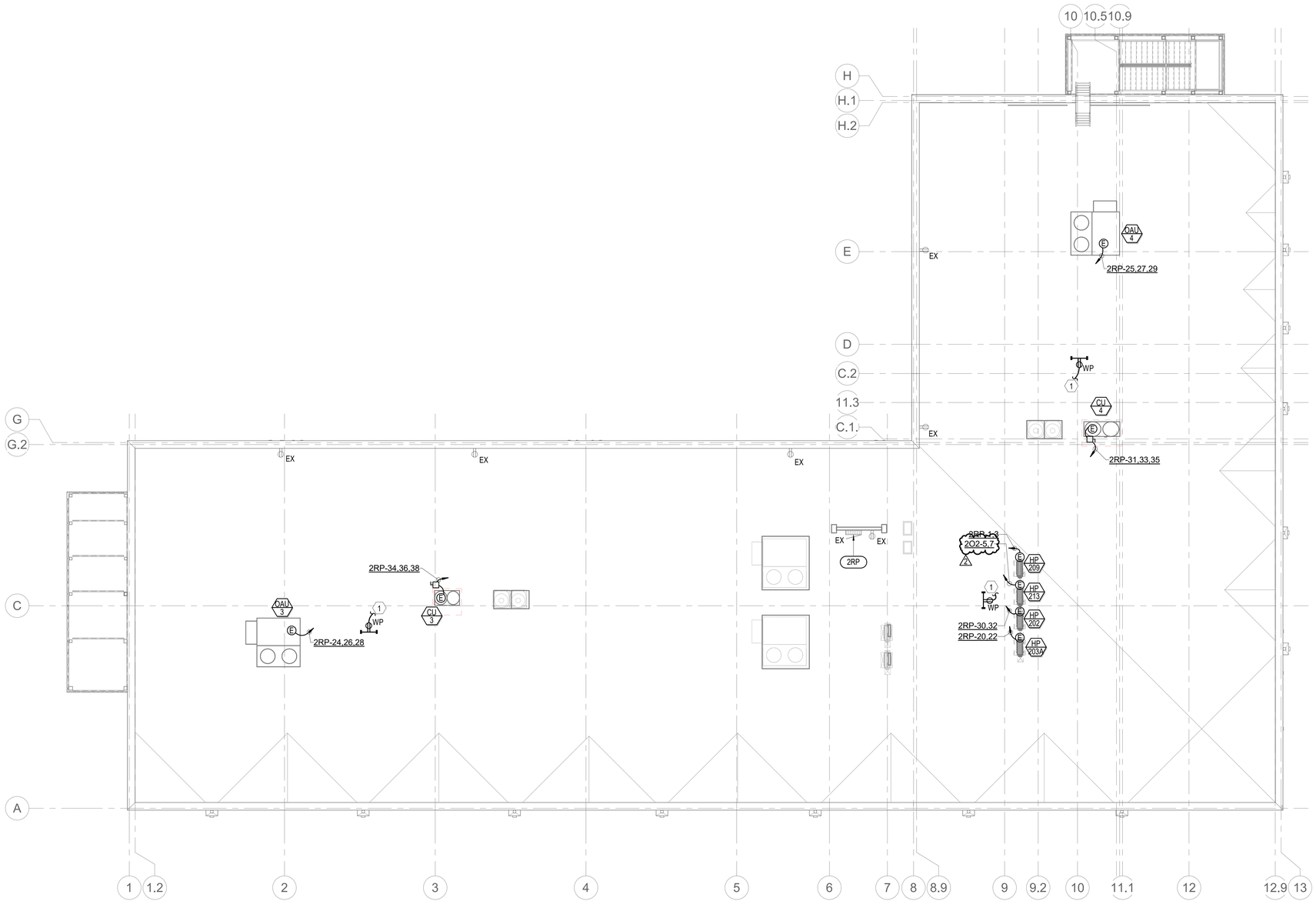
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SHEET NOTES

1	CONNECT THIS RECEPTACLE TO EXISTING RECEPTACLE CIRCUIT ON THE ROOF.

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PLAN NORTH TRUE NORTH

1 ROOF PLAN - MECHANICAL POWER

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

0 4' 8' 16'

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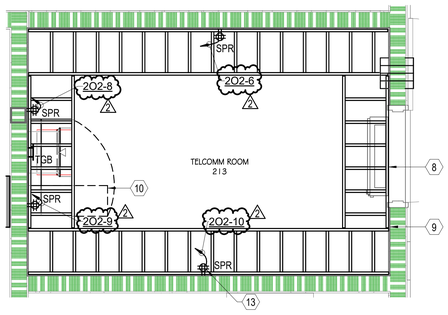
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Michael C. Lee, 39426

ROOF PLAN - MECHANICAL POWER

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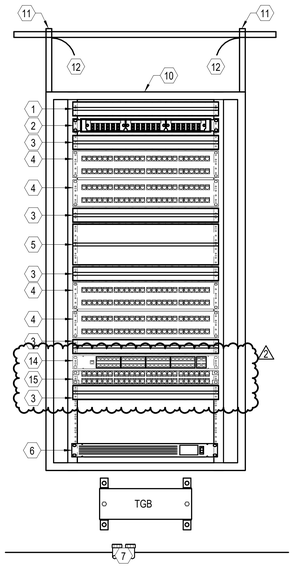


1 ENLARGED IT ROOM FLOOR PLAN

PLAN NORTH / TRUE NORTH

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

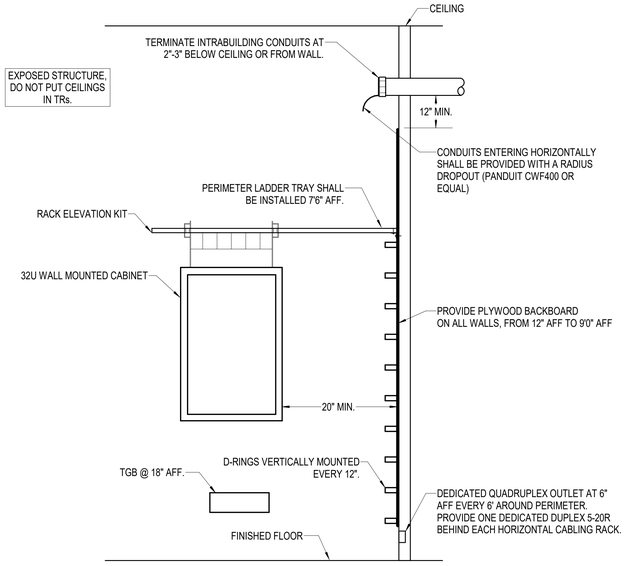
0 4' 8' 16'



2 RACK ELEVATION - ROOM 213

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

0 4' 8' 16'



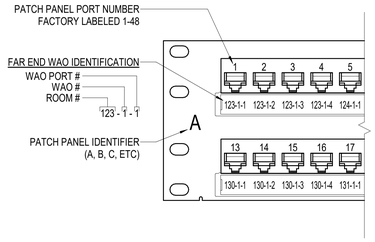
3 MDF/TR SECTION DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

SHEET NOTES

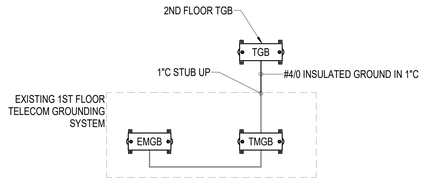
1	ENGRAVED PLASTIC RACK IDENTIFIER (RACK 1, RACK 2, ETC) ON 1 RU FILLER PLATE. TYPICAL ALL RACKS.
2	1 RU FIBER LIU/PATCH PANEL.
3	1 RU HORIZONTAL CABLE MANAGEMENT CHANNEL.
4	48-PORT HORIZONTAL PATCH PANEL. QUANTITY AS REQUIRED PLUS 10% SPARE CAPACITY. TYPICAL.
5	OFOI NETWORKING EQUIPMENT.
6	VERTIV PSI5-1500RM1201U RACK UPS.
7	EXISTING 2-2" FOR F.O. BACKBONE CABLING. SEE RISER DIAGRAM.
8	18" LADDER TRAY. INSTALL 6" ABOVE TOP OF RACK.
9	ENTIRE ROOM TO BE LINED WITH 3/4" FIRE RATED, A-C GRADE PLYWOOD BACKBOARD FROM 12" AFF TO 9'0" AFF.
10	32RU HAMMOND MANUFACTURING (OR APPROVED EQUAL) WALL CABINET WITH VENTED DOOR.
11	PROVIDE 6" ELEVATION KIT AND SECURE LADDER TRAY TO RACK.
12	CABLE RUNWAY RADIUS DROP.
13	MOUNT ALL RECEPTACLES BELOW BACKBOARD AT 6" AFF UNLESS NOTED OTHERWISE.
14	OFOI ACCESS CONTROL SYSTEM NETWORK SWITCH.
15	24-PORT HORIZONTAL PATCH PANEL QUANTITY AS REQUIRED PLUS 10% SPARE CAPACITY.



4 PATCH PANEL LABELING DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

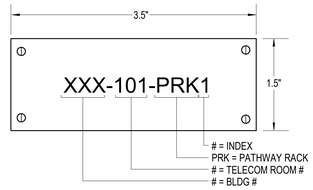


ALL TBB CABLES SHALL BE IN EMT (MINIMUM SIZE IS 1"). PROVIDE GROUNDING BUSHINGS ON EACH END AS REQUIRED. ROUTE GROUNDING BACKBONES PARALLEL TO CABLING BACKBONE RACEWAYS.

5 TELECOM GROUNDING SYSTEM RISER

SCALE: NOT TO SCALE

0 4' 8' 16'

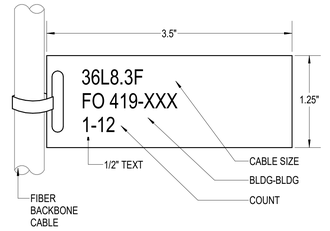


ENGRAVED PLASTIC TAG WITH 1/4" BLACK LETTERS ON WHITE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. COORDINATE EXACT LABEL INFORMATION WITH 96TH CS PRIOR TO ORDERING TAGS.

6 TYPICAL RACK LABEL DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

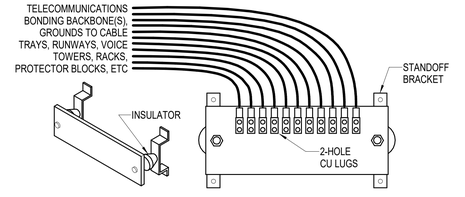


ENGRAVED PLASTIC TAG WITH BLACK LETTERS ON YELLOW BACKGROUND (IBICO/GBC LUGGAGE TAG W/LOOP). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH VELCRO STRAP. COORDINATE EXACT LABEL INFORMATION WITH 96TH CS PRIOR TO ORDERING TAGS.

7 TYPICAL FIBER BACKBONE CABLE LABEL DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

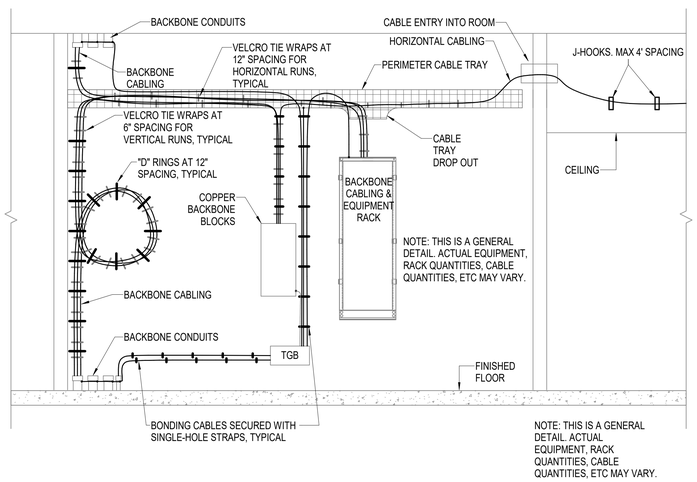


HARGER GBI144XXTMGB(OR EQUAL) 1/4" THICK, 4" HIGH, LENGTH AS INDICATED. MEETS ANSI 607A STANDARDS (HOLES NOT SHOWN. USE 2-HOLE CU LUGS FOR CABLES)
BUSBAR LENGTHS:
TMGB=24" LONG MINIMUM
TGB'S=12" LONG MINIMUM

8 TMGB/TGB DETAIL

SCALE: NOT TO SCALE

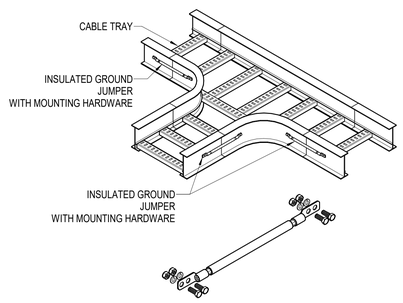
0 4' 8' 16'



9 TR CABLE ROUTING & SUPPORT DETAIL

SCALE: NOT TO SCALE

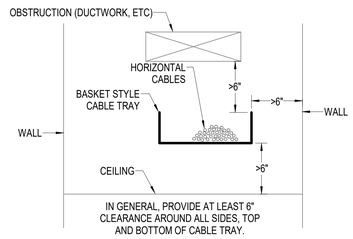
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10 CABLE TRAY BONDING DETAIL

SCALE: NOT TO SCALE

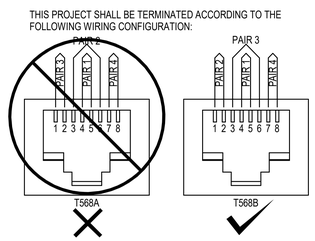
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11 CABLE TRAY CLEARANCE DETAIL

SCALE: NOT TO SCALE

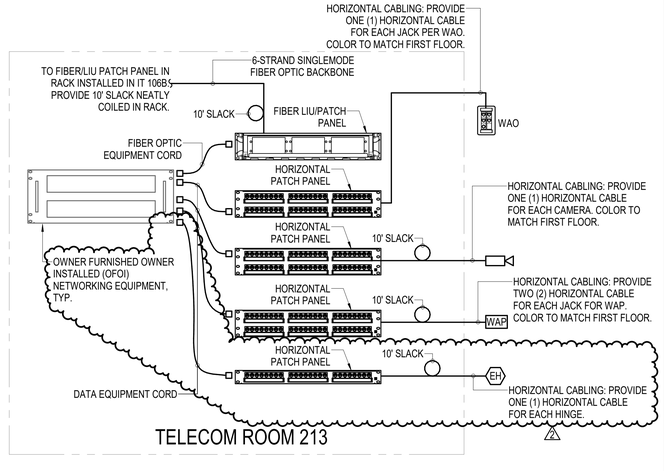
0 4' 8' 16'



12 WIRING TERMINATION STYLE DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'



13 VOICE/DATA RISER DIAGRAM

SCALE: NOT TO SCALE

0 4' 8' 16'

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ISSUE	DATE
BID DOCUMENTS	07/29/26
ADDENDUM #2	08/21/2026
2	

DRAWN BY: RAB
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

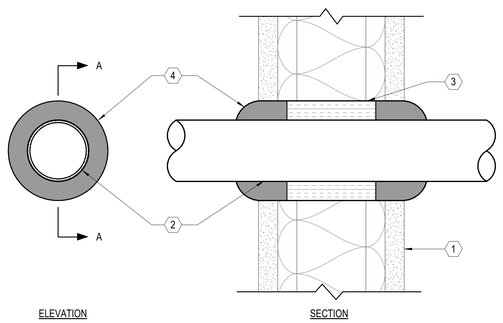
DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39426 MICHAEL CHRISTOPHER LEE
Michael C. Lee 39426

ENLARGED TELECOM FLOOR PLAN & DETAILS

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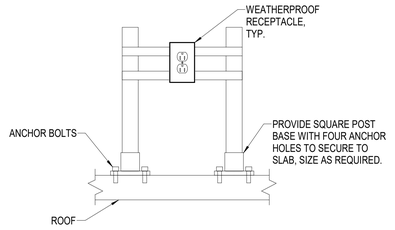


ELEVATION SECTION

REFER TO UL DETAIL W-L-1007

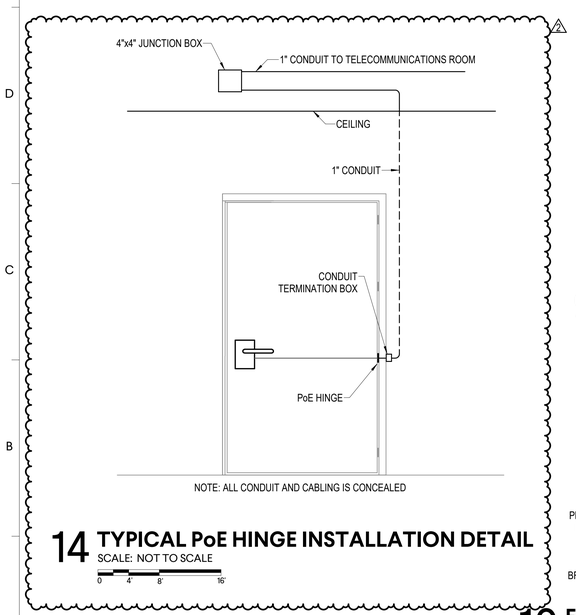
1. UL U400 DESIGN SERIES 1-HR RATED WALL BY ARCH.
2. MAX 4" EMT.
3. MINIMUM 2-7/8" THICKNESS 4 PCF MINERAL WOOL INSULATION TIGHTLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL SHALL BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF MATERIAL.
4. MINIMUM 5/8" THICKNESS OF FILL SEALANT APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. APPLY ADDITIONAL SEALANT SUCH THAT A MINIMUM 1" THICK CROWN IS FORMED AROUND THE PENETRATING CONDUIT.

1 1-HR FIRE RATED WALL PENETRATION DETAIL - CONDUIT
SCALE: NOT TO SCALE



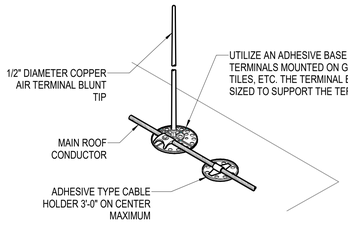
NOTES:
1. SUPPORT FRAME SHALL BE FABRICATED USING UNISTRUT P2000 OR APPROVED EQUAL.

5 REMOTE RECEPTACLE MOUNTING DETAIL
SCALE: NOT TO SCALE

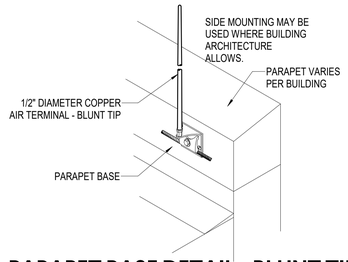


NOTE: ALL CONDUIT AND CABLING IS CONCEALED

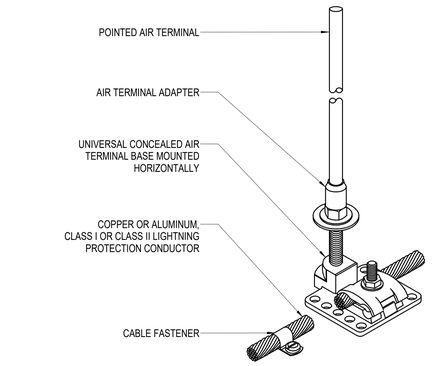
14 TYPICAL PoE HINGE INSTALLATION DETAIL
SCALE: NOT TO SCALE



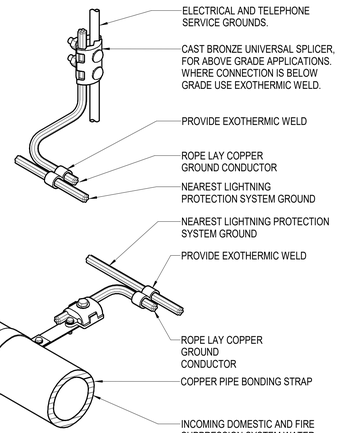
2 ADHESIVE AIR TERMINAL BASE DETAIL - BLUNT TIP
SCALE: 12" = 1'-0"



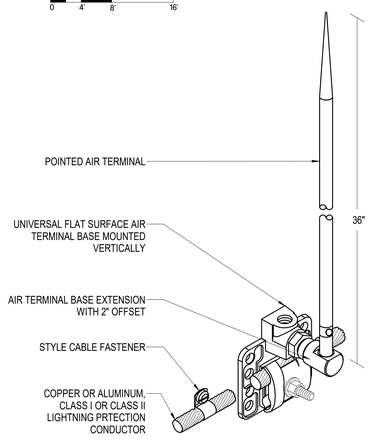
3 PARAPET BASE DETAIL - BLUNT TIP
SCALE: NOT TO SCALE



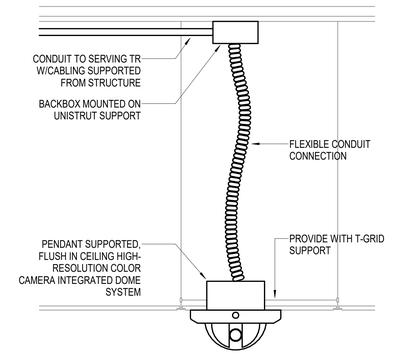
4 HORIZONTAL AIR TERMINAL BASE DETAIL
SCALE: NOT TO SCALE



6 BONDING DETAILS
SCALE: NOT TO SCALE

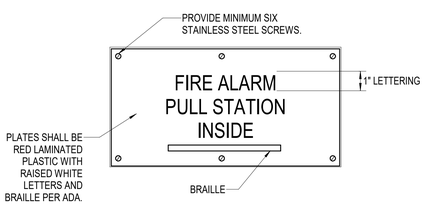


7 VERTICAL AIR TERMINAL BASE DETAIL
SCALE: NOT TO SCALE

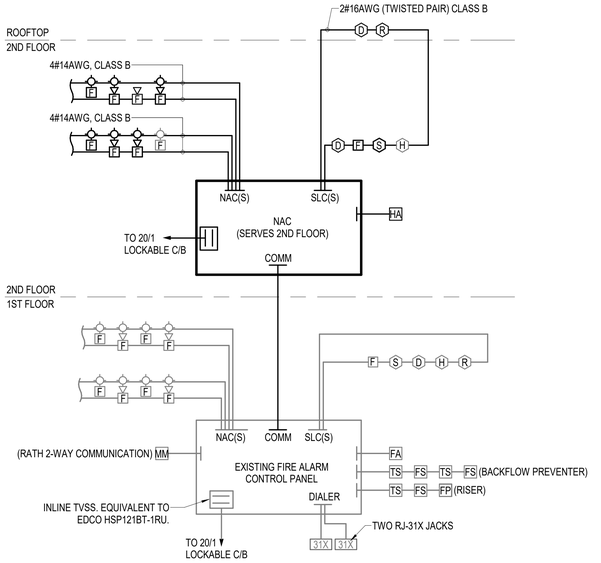


8 CAMERA MOUNTING DETAIL - LAY-IN CEILING
SCALE: NOT TO SCALE

9 SMART COMMAND SYSTEM
SCALE: NOT TO SCALE

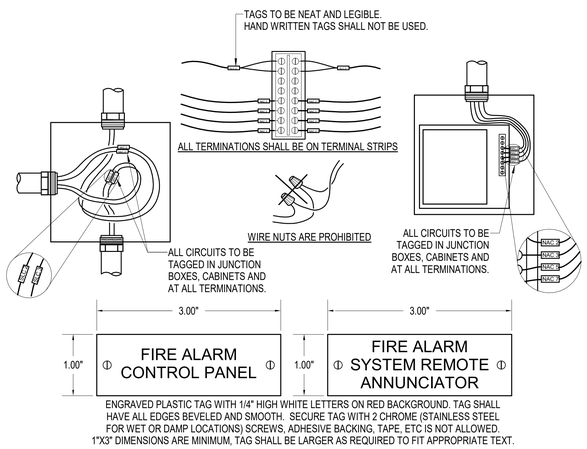


10 FIRE ALARM MANUAL STATION SIGN DETAIL
SCALE: NOT TO SCALE



FIRE ALARM RISER NOTES:
1. THE NAC CIRCUIT IS SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF STROBES ON ANY CIRCUIT IS LIMITED. SEE SPECIFICATIONS.
2. CONNECTIONS TO CONTROL RELAYS FOR SMOKE DAMPERS ARE NOT SHOWN ON THE RISER. PROVIDE CONNECTIONS FOR SLC AND NAC AS REQUIRED FOR PROPER OPERATION.
3. SLC LOOP TO CONNECT TO ALL ADDRESSABLE FIRE ALARM SYSTEM DEVICES. VERIFY DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED. SEE SPECIFICATIONS.
4. 3/4" MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM CIRCUITS. ALL CIRCUITS SHALL BE IN CONDUIT DEDICATED TO THE FIRE ALARM SYSTEM.
5. BATTERY CABINETS AND NAC EXPANDERS TO BE LOCATED AS NEEDED IN ELECTRICAL ROOMS ONLY.

11 FIRE ALARM SYSTEM RISER DIAGRAM
SCALE: NOT TO SCALE



ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON RED BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. 1"X3" DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

12 FIRE ALARM SYSTEM LABELING DETAIL
SCALE: NOT TO SCALE

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Dell Consulting project:26-016

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GMCNETWORK.COM

ISSUE	DATE
BID DOCUMENTS	07/29/26
2 ADDENDUM #2	08/21/2026

DRAWN BY: RAB
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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
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DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE

Michael C. Lee 39426

DETAILS

E5.02

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PANELBOARD INFORMATION SCHEDULE

MARK	ENCLOSURE TYPE	MOUNTING STYLE	VOLTAGE	ϕ	WIRE	MAIN BKR	IF MLO SERVING	SERVICE RATED	kAIC RATING	ϕ BUS RATING	N BUS RATING	FEEDER CONDUCTOR	FEEDER GROUND	FEEDER CONDUIT	NOTES
2M2	NEMA 1	SURFACE	208Y/120	3	4	MLO	250	No	42	100 A	100%	4#250	#4	SEE NOTES	2, 3, 4
2O2	NEMA 1	SURFACE	208Y/120	3	4	MLO	50	No	10	100 A	100%	4#6	#10	SEE NOTES	2, 3, 4
2P2	NEMA 1	SURFACE	208Y/120	3	4	MLO	600	No	42	600 A	100%	2 KCMIL 4#350	#1	SEE NOTES	2, 3, 4
A233	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A234	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A235	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A236	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A237	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A238	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A239	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A240	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A241	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A242	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A245	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A246	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A247	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A248	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
B232	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
C249	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	22	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
D243	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
E244	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3

NOTES: 1. LOAD CENTER
2. PROVIDE INTEGRAL SPD.
3.PROVIDE ARC FLASH WARNING LABEL ON EQUIPMENT IN ACCORDANCE WITH NEC110.16.
4. SEE SINGLE LINE DIAGRAM FOR CONDUIT REQUIREMENTS.

SWITCHBOARD SCHEDULE

MARK: 2MDP — EXISTING

CKT #	LOAD DESCRIPTION	# OF POLES	FRAME SIZE	RATING	A	B	C	NOTES
1	EXISTING PANEL 2MD1	3	400 A	100 A	4.0 kVA	3.1 kVA	4.1 kVA	
2	EXISTING PANEL 2P1	3	600 A	600 A	64.4 kVA	61.9 kVA	61.9 kVA	
3	EXISTING PANEL 2RP	3	600 A	600 A	64.4 kVA	61.9 kVA	61.9 kVA	
4	EXISTING PANEL 2M1A	3	400 A	200 A	4.4 kVA	4.8 kVA	3.3 kVA	
5	EXISTING PANEL 2MD2	3	400 A	20 A	2.8 kVA	1.3 kVA	2.9 kVA	
6	EXISTING PANEL 2M1B	3	400 A	250 A	21.8 kVA	22.5 kVA	20.8 kVA	
7	EXISTING PANEL 2E	3	400 A	200 A	13.0 kVA	13.1 kVA	13.6 kVA	
8	EXISTING STORM SHELTER INVERTER (INV-SS)	3	400 A	40 A	3.0 kVA	3.6 kVA	1.9 kVA	
9	PANEL 2M2 *	3	400 A	250 A	27.0 kVA	24.8 kVA	24.8 kVA	
10	SPARE	3	400 A	100 A	0.0 kVA	0.0 kVA	0.0 kVA	
11	SPARE	1	20 A	20 A	0.0 kVA			
12	SPARE	1	20 A	20 A		0.0 kVA		
13	SPARE	1	20 A	20 A			0.0 kVA	
14	PANEL 2P2 *	3	600 A	600 A	130.7 kVA	130.6 kVA	132.8 kVA	
15	SPARE	3	400 A	30 A	0.0 kVA	0.0 kVA	0.0 kVA	
16	SPARE	3	600 A	600 A	0.0 kVA	0.0 kVA	0.0 kVA	
17								
18								
19								
20								
21								
22								
23								
24								

NOTES: * CONNECT TO EXISTING SPARE CIRCUIT BREAKER

TOTAL LOAD: 884 kVA
TOTAL AMPS: 2452 A

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

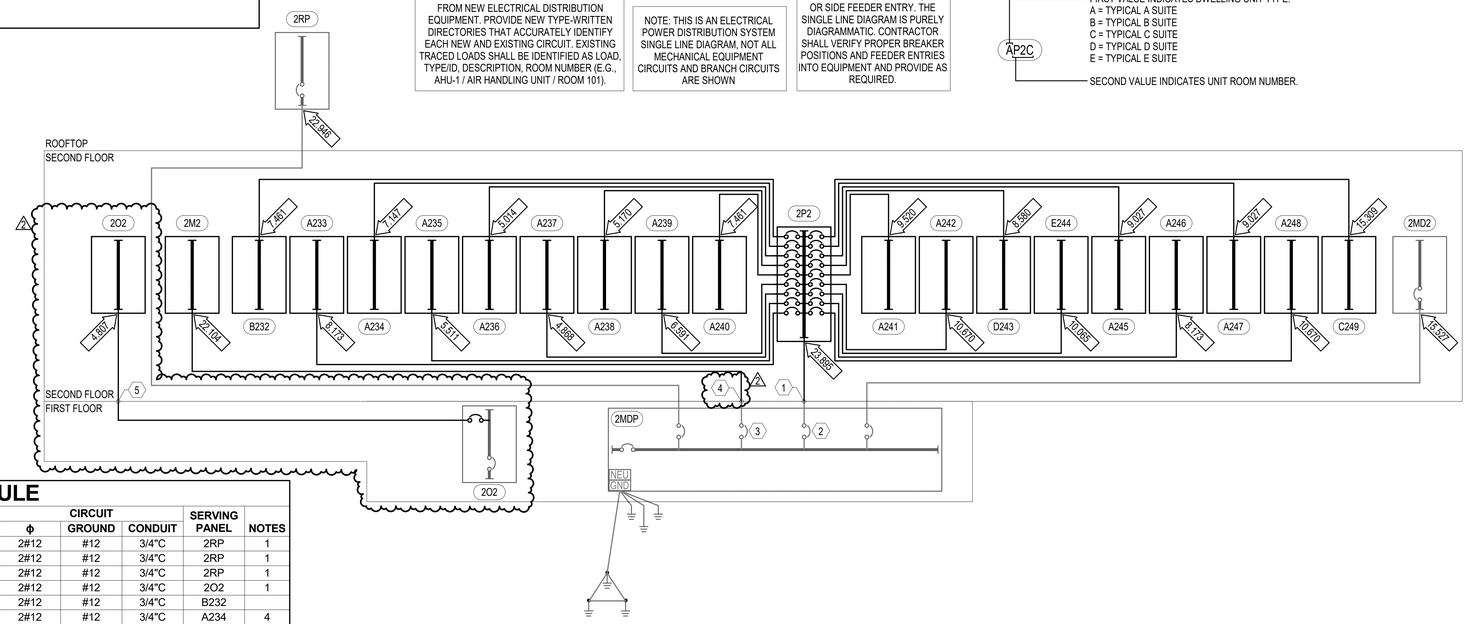
MARK TYPE	MARK #	ITEM	VOLTAGE	ϕ	MCA	LOAD	MEANS OF DISCONNECT	CB TRIP	CIRCUIT ϕ	CIRCUIT GROUND	CIRCUIT CONDUIT	SERVING PANEL	NOTES
AC	202	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2RP	1
AC	203A	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2RP	1
AC	209	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2RP	1
AC	213	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2O2	1
AC	232	VRF INDOOR UNIT	208 V	1	2.4 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	B232	
AC	234	VRF INDOOR UNIT	208 V	1	2.4 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	A234	4
AC	243	VRF INDOOR UNIT	208 V	1	3 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	D243	
AC	244	VRF INDOOR UNIT	208 V	1	3 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	E244	
AC	249	VRF INDOOR UNIT	208 V	1	2.4 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	C249	
BC	5	BRANCH CONTROLLER	208 V	1	0.5 A	100 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
BC	6	BRANCH CONTROLLER	208 V	1	0.5 A	100 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
BC	7	BRANCH CONTROLLER	208 V	1	1 A	200 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
BC	8	BRANCH CONTROLLER	208 V	1	1 A	200 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
EWH	X	ELECTRIC WATER HEATER	208 V	1	27 A	4.5 kW	30/2 N1 TSM	30 A	2#10	#10	3/4"C	VARIES	
HP	X	HEAT PUMP	208 V	1	12 A	9.6 A	C/B	20 A	2#12	#12	3/4"C	VARIES	
CU	3	CONDENSING UNIT	208 V	3	54.4 A	43.5 A	60/3 N3R SS	60 A	3#6	#10	1"C	2RP	
CU	4	CONDENSING UNIT	208 V	3	68 A	54.4 A	100/3 N3R SS	80 A	3#4	#8	1 1/4"C	2RP	
OAU	X	OUTSIDE AIR UNIT	208 V	3	97 A	1 FAN @ 2HP & 1 HEATER @ 22.5 kW	SEE NOTES	100 A	3#1	#8	1 1/2"C	VARIES	2, 3

NOTES: N1 = NEMA 1, N3R = NEMA 3R, SS = SAFTEY SWITCH, FSS = FUSED SAFTEY SWITCH, C/B = SERVING C/B, TS = MANUAL TOGGLE SWITCH, TSM = MOTOR RATED TS
1. POWER SUPPLIED BY OUTDOOR UNIT POWER AND CONTROL CABLING PROVIDED BY DIV. 23, INSTALLED BY DIV. 26.
2. DISCONNECT INTEGRAL TO EQUIPMENT BY DIVISION 23.
3. EQUIPMENT PROVIDED WITH INTEGRAL VFD.
4. UNIT IS TYPICAL FOR ALL A SUITES.

TRACE EACH EXISTING CIRCUIT TO BE RE-FED FROM NEW ELECTRICAL DISTRIBUTION EQUIPMENT. PROVIDE NEW TYPE-WRITTEN DIRECTORIES THAT ACCURATELY IDENTIFY EACH NEW AND EXISTING CIRCUIT. EXISTING TRACED LOADS SHALL BE IDENTIFIED AS LOAD, TYPE/ID, DESCRIPTION, ROOM NUMBER (E.G., AHU-1 / AIR HANDLING UNIT / ROOM 101).

NOTE: THIS IS AN ELECTRICAL POWER DISTRIBUTION SYSTEM SINGLE LINE DIAGRAM, NOT ALL MECHANICAL EQUIPMENT CIRCUITS AND BRANCH CIRCUITS ARE SHOWN

NOTE: LOCATION OF MAIN BREAKERS AND FEEDERS INTO EQUIPMENT IS NOT INTENDED TO SHOW TOP OR BOTTOM MOUNTED MAIN BREAKER OR BOTTOM, TOP OR SIDE FEEDER ENTRY. THE SINGLE LINE DIAGRAM IS PURELY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY PROPER BREAKER POSITIONS AND FEEDER ENTRIES INTO EQUIPMENT AND PROVIDE AS REQUIRED.



1 SINGLE LINE RISER DIAGRAM

SCALE: NOT TO SCALE

0 4' 8' 16'

LINE TYPE LEGEND

- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED BY CONTRACTOR

SHEET NOTES

1	INTERCEPT (2) EXISTING 3" STUB UPS AND EXTEND TO NEW PANELBOARD.
2	EXISTING 600A-3P SPARE.
3	EXISTING 250A-3P SPARE.
4	INTERCEPT (1) EXISTING 3" STUB UP AND EXTEND TO NEW PANELBOARD.
5	INTERCEPT (1) EXISTING 2" STUB UP AND EXTEND TO NEW PANELBOARD.

PANELBOARD NOMENCLATURE

THE FOLLOWING APPLIES TO LOAD CENTERS INSTALLED IN DWELLING UNITS:

AP2C
- FIRST VALUE INDICATES DWELLING UNIT TYPE:
  - A = TYPICAL A SUITE
  - B = TYPICAL B SUITE
  - C = TYPICAL C SUITE
  - D = TYPICAL D SUITE
  - E = TYPICAL E SUITE
- SECOND VALUE INDICATES UNIT ROOM NUMBER.

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD 2P2
DWELLING AREA (SF)			15,896
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			3
TYPICAL A SUITE PANEL	14	23,650	331,100
PANEL B232	1	22,565	22,565
PANEL C249	1	23,278	23,278
PANEL D243	1	25,600	25,600
PANEL E244	1	22,995	22,995
TOTAL			425,538
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		166,215	166,215
		TOTAL VA	176,215
		AMPS	489

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. A
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			650
GENERAL LTG/REC LOAD	3	VA/SF	1,950
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	900	900
FRIDGE	1	1,800	1,800
RANGE	1	8,900	8,900
DRYER + WASHER	1	5,000	5,000
KITCHEN HOOD	1	200	200
TOTAL			23,750
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		13,750	5,300
HVAC LOAD (AC ONLY)	400	100%	400
		TOTAL VA	15,700
		AMPS	75

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. B
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			715
GENERAL LTG/REC LOAD	3	VA/SF	2,145
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	1,500	1,500
FRIDGE	1	1,800	1,800
RANGE	1	6,400	6,400
DRYER	1	4,400	4,400
WASHER	1	1,320	1,320
KITCHEN HOOD	1	200	200
TOTAL			22,165
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		12,165	4,866
HVAC LOAD (AC ONLY)	400	100%	400
		TOTAL VA	15,266
		AMPS	73

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. C
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			526
GENERAL LTG/REC LOAD	3	VA/SF	1,578
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	900	900
FRIDGE	1	1,800	1,800
RANGE	1	8,900	8,900
DRYER + WASHER	1	5,000	5,000
KITCHEN HOOD	1	200	200
TOTAL			22,878
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		12,878	5,151
HVAC LOAD (AC ONLY)	400	100%	400
		TOTAL VA	15,551
		AMPS	75

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. D
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			1060
GENERAL LTG/REC LOAD	3	VA/SF	3,180
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	900	900
FRIDGE	1	1,800	1,800
RANGE	1	8,900	8,900
DRYER	1	4,300	4,300
WASHER	1	1,320	1,320
KITCHEN HOOD	1	200	200
TOTAL			25,100
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		15,100	6,040
HVAC LOAD (AC ONLY)	500	100%	500
		TOTAL VA	16,540
		AMPS	80

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. E
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			925
GENERAL LTG/REC LOAD	3	VA/SF	2,775
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	1,200	1,200
FRIDGE	1	1,800	1,800
RANGE	1	6,400	6,400
DRYER	1	4,300	4,300
WASHER	1	1,320	1,320
KITCHEN HOOD	1	200	200
TOTAL			22,495
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		12,495	4,998
HVAC LOAD (AC ONLY)	500	100%	500
		TOTAL VA	15,498
		AMPS	75

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD 2M2
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			3
WATER HEATING	76,500	100%	76,500
		TOTAL VA	76,500
		AMPS	212

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD 2RP
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			3
TOTAL RECEPTACLE LOAD	1,300	100%	1,300
MOTOR LOAD (LARGEST)	27,900	125%	34,875
MOTOR LOAD (REMAINING)	160,800	100%	160,800
		TOTAL VA	196,975
		AMPS	547

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MEP Engineering
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GMC

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ISSUE	DATE
BID DOCUMENTS	07/29/26
2 ADDENDUM #2	08/21/2026

DRAWN BY: RAB
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AWOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE
07-21-2026
Michael C. Lee 39426

SINGLE LINE DIAGRAMS

E6.01

8/21/2026 3:24:12 PM

PANELBOARD SCHEDULE

MARK: **2M2**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	C	PHASE (kVA) A	B	C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	EWH-A UTILITY 5 205	2	30 A	2.3			2.3			30 A	2	EWH-A UTILITY 5 205	2
3					2.3			2.3					4
5	EWH-A UTILITY 6 206	2	30 A			2.3			2.3	30 A	2	EWH-A UTILITY 6 206	6
7				2.3			2.3						8
9	EWH-A UTILITY 4 204	2	30 A		2.3			2.3		30 A	2	EWH-A UTILITY 4 204	10
11						2.3			2.3				12
13	EWH-A UTILITY 7 207	2	30 A	2.3			2.3			30 A	2	EWH-A UTILITY 7 207	14
15					2.3			2.3					16
17	EWH-A UTILITY 8 208	2	30 A			2.3			2.3	30 A	2	EWH-A UTILITY 8 208	18
19				2.3			2.3						20
21	EWH-B UTILITY 9 214	2	30 A		2.3			2.3		30 A	2	EWH-B UTILITY 9 214	22
23						2.3			2.3				24
25	EWH-A UTILITY 8 213	2	30 A	2.3			2.3			30 A	2	EWH-A UTILITY 10 210	26
27					2.3			2.3					28
29	EWH-A UTILITY 11 212	2	30 A			2.3			2.3	30 A	2	EWH-A UTILITY 10 210	30
31				2.3			2.3						32
33	EWH-A UTILITY 11 212	2	30 A		2.3			0.0		20 A	1	SPARE	34
35						2.3			0.0	20 A	1	SPARE	36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 27.0 ϕ B: 24.8 ϕ C: 24.8 HIGH ϕ (AMPS): 225 A
TOTAL CONNECTED LOAD (KVA): 76.5 TOTAL LOAD (AMPS): 212.3 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:

PANELBOARD SCHEDULE

MARK: **B232**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-232+	2	15 A	0.2		2.0		50 A	2	NEMA REC. RANGE *+	2
3					0.2		2.0				4
5	LTS ADA R.R. 232D+	1	20 A	0.0		2.2		30 A	2	NEMA REC. DRYER *+	6
7	REC ADA R.R. 232D+	1	20 A		0.2		2.2				8
9	REC. WASHING MACHINE+	1	20 A	1.3		1.5		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & RECS 232+	1	20 A		0.9		0.4	20 A	1	REC KITCHEN 232+	12
13	BEDROOM LTS & RECS 232+	1	20 A	0.9		0.4		20 A	1	REC KITCHEN 232+	14
15	SUITE WEST RECS+	1	20 A		1.9		1.8	20 A	1	REC. REFRIGERATOR+	16
17	SUITE LTS & RECS+	1	20 A	1.1		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	LTS W/D 232E+	1	20 A		0.0		0.1	20 A	1	UNDER CABINET LTS 232+	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	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 KVA: ϕ A: 9.8 ϕ B: 9.5 HIGH ϕ (AMPS): 93 A
TOTAL CONNECTED LOAD (KVA): 19.3 TOTAL LOAD (AMPS): 92.6 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE B PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **2P2**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	C	PHASE (kVA) A	B	C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	B232	2	100 A	9.8			11.0			100 A	2	A233	2
3					9.5			11.2					4
5	A234	2	100 A			11.0			11.0	100 A	2	A235	6
7				11.2			11.2						8
9	A236	2	100 A		11.0			11.0		100 A	2	A237	10
11						11.2			11.2				12
13	A238	2	100 A	11.0			11.0			100 A	2	A239	14
15					11.2			11.2					16
17	A240	2	100 A			11.0			11.0	100 A	2	A241	18
19				11.2			11.2						20
21	A242	2	100 A		11.0			12.2		100 A	2	D243	22
23						11.2			12.0				24
25	E244	2	100 A	9.5			11.0			100 A	2	A245	26
27					9.6			11.2					28
29	A246	2	100 A			11.0			11.0	100 A	2	A247	30
31				11.2			11.2						32
33	A248	2	100 A		11.0			10.3		100 A	2	C249	34
35						11.2			9.8				36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 130.7 ϕ B: 130.6 ϕ C: 132.8 HIGH ϕ (AMPS): 1107 A
TOTAL CONNECTED LOAD (KVA): 394.2 TOTAL LOAD (AMPS): 1094.1 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:

PANELBOARD SCHEDULE

MARK: **C249**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-249+	2	15 A	0.2		4.5		50 A	2	NEMA REC. RANGE *+	2
3					0.2		4.5				4
5	REC R.R. 249B+	1	20 A	0.2		2.5		30 A	2	NEMA REC. DRYER *+	6
7	LTS R.R. 249B+	1	20 A		0.0		2.5				8
9	SUITE 249 LTS & RECS+	1	20 A	1.6		0.9		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & REC+	1	20 A		0.4		0.4	20 A	1	REC KITCHEN 249+	12
13	LTS W/D 249C+	1	20 A	0.0		0.4		20 A	1	REC KITCHEN 249+	14
15	UNDER CABINET LTS 249+	1	20 A		0.0		1.8	20 A	1	REC. REFRIGERATOR+	16
17	SPARE	1	20 A	0.2		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	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 KVA: ϕ A: 10.3 ϕ B: 9.8 HIGH ϕ (AMPS): 99 A
TOTAL CONNECTED LOAD (KVA): 20.2 TOTAL LOAD (AMPS): 97.0 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE C PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **A234**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-234+	2	15 A	0.2		4.5		50 A	2	NEMA REC. RANGE *+	2
3					0.2		4.5				4
5	LTS R.R. 234D+	1	20 A	0.1		2.5		30 A	2	NEMA REC. DRYER *+	6
7	REC R.R. 234D+	1	20 A		0.2		2.5				8
9	BEDROOM LTS & RECS+	1	20 A	1.0		0.9		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & RECS+	1	20 A		0.9		1.8	20 A	1	REC. REFRIGERATOR+	12
13	SUITE RECS WEST WALL+	1	20 A	1.2		0.2		15 A	1	REC. KITCHEN HOOD+	14
15	SUITE LTS & RECS+	1	20 A		0.8		0.4	20 A	1	REC KITCHEN 234+	16
17	LTS W/D 234E+	1	20 A	0.0		0.4		20 A	1	REC KITCHEN 234+	18
19	UNDER CABINET LTS 234+	1	20 A		0.1		0.0	20 A	1	SPARE	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	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 KVA: ϕ A: 11.0 ϕ B: 11.2 HIGH ϕ (AMPS): 108 A
TOTAL CONNECTED LOAD (KVA): 22.2 TOTAL LOAD (AMPS): 106.7 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE A PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **D243**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-243+	2	15 A	0.3		4.5		50 A	2	NEMA REC. RANGE *+	2
3					0.3		4.5				4
5	REC. WASHING MACHINE+	1	20 A	1.3		2.2		30 A	2	NEMA REC. DRYER *+	6
7	REC R.R. 243F+	1	20 A		0.2		2.2				8
9	REC R.R. 243E+	1	20 A	0.2		0.9		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & RECS+	1	20 A		1.0		0.4	20 A	1	REC KITCHEN 243+	12
13	BEDROOM LTS & RECS+	1	20 A	1.0		0.4		20 A	1	REC KITCHEN 243+	14
15	BEDROOM LTS & RECS+	1	20 A		1.0		1.8	20 A	1	REC. REFRIGERATOR+	16
17	LTS R.R. 243E+	1	20 A	0.1		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	LTS W/D 243G+	1	20 A		0.0		0.7	20 A	1	SUITE SOUTH REC+	20
21	UNDER CABINET LTS 243+	1	20 A	0.1		1.2		20 A	1	SUITE 243 LTS & RECS+	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	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 KVA: ϕ A: 12.2 ϕ B: 12.0 HIGH ϕ (AMPS): 117 A
TOTAL CONNECTED LOAD (KVA): 24.2 TOTAL LOAD (AMPS): 116.2 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE D PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

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MEP Engineering
Alabama Certificate Number: CA-4146-E
129 E. Government Street
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ISSUE	DATE
BID DOCUMENTS	07/29/26
2 ADDENDUM #2	08/21/2026

DRAWN BY: HP
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER CHRISTOPHER LEE
Michael C. Lee 39426

SCHEDULES

E7.01

8/21/2026 3:24:13 PM

PANELBOARD SCHEDULE

MARK: **E244**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) A	PHASE (kVA) B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-244+	2	20 A	0.3		2.0		50 A	2	NEMA REC. RANGE *+	2
3					0.3		2.0				4
5	REC. WASHING MACHINE+	1	20 A	1.3		2.2		30 A	2	NEMA REC. DRYER *+	6
7	REC ADA R.R. 244D+	1	20 A		0.2		2.2				8
9	LTS ADA R.R. 244D+	1	20 A	0.0		0.5		20 A	1	REC KITCHEN 244+	10
11	BEDROOM 244B LTS & RECS+	1	20 A		1.0		1.2	20 A	1	REC. MICROWAVE+	12
13	BEDROOM 244B LTS & RECS+	1	20 A	1.2		0.4		20 A	1	REC KITCHEN 244+	14
15	SUITE 244 LTS & RECS+	1	20 A		0.9		1.8	20 A	1	REC. REFRIGERATOR+	16
17	SUITE 244 EAST REC+	1	20 A	1.4		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	LTS W/D 244E+	1	20 A		0.0		0.1	20 A	1	UNDER CABINET LTS 244+	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	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 KVA: ϕ A: 9.5 ϕ B: 9.6 HIGH ϕ (AMPS): 92 A
TOTAL CONNECTED LOAD (KVA): 19.1 TOTAL LOAD (AMPS): 91.9 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE E PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **2RP** EXISTING

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	**HP-209/AC-209***	2	20 A	1.0			1.4			20 A	1	EXISTING ROOFTOP SERVICE REC.	2
3					1.0			5.8					4
5						8.6			5.8	70 A	3	EXISTING CU-1	6
7	EXISTING OAU-2	3	90 A	8.6			5.8						8
9					8.6			8.6					10
11						5.8			8.6	90 A	3	EXISTING OAU-1	12
13	EXISTING CU-2	3	70 A	5.8			8.6						14
15					5.8			0.0		20 A	1	SPARE	16
17	EXISTING CU-IT	2	20 A			1.0			0.0	20 A	1	SPARE	18
19				1.0			1.0			20 A	2	**HP-203A/AC-203A ***	20
21	EXISTING CU-E	2	20 A		1.0			1.0					22
23						1.0			9.3				24
25				9.3			9.3			100 A	3	**OAU-4 ***	26
27	**OAU-3 ***	3	100 A		9.3			9.3					28
29						9.3			1.0				30
31				5.2			1.0			20 A	2	**HP-202/AC-202 ***	32
33	**CU-3 ***	3	60 A		5.2			6.1					34
35						5.2			6.1	80 A	3	**CU-4 ***	36
37	SPARE	1	20 A	0.0			6.1						38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 64.4 ϕ B: 61.9 ϕ C: 61.9 HIGH ϕ (AMPS): 536 A
TOTAL CONNECTED LOAD (KVA): 188.1 TOTAL LOAD (AMPS): 522.2 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
* INDICATES NEW CIRCUIT. PROVIDE NEW 22kAIC C/B. REMOVE EXISTING SPARE C/Bs TO ACCOMMODATE NEW.

PANELBOARD SCHEDULE

MARK: **2MD2** EXISTING

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	~~MECH CONTROL PNL RM 203A~~	1	20 A	0.1			0.1			20 A	1	**MECH CONTROL PNL RM 203A**	2
3	**SPARE**	1	20 A		0.0			0.1		20 A	1	**EF-214**	4
5	**SPARE**	1	20 A			0.0			0.4	20 A	1	EXISTING REC. RM 202 & 203A	6
7	**SPARE**	1	20 A	0.0			0.2			20 A	1	**NAC +**	8
9	**SPARE**	1	20 A		0.0			0.5		20 A	1	**REC. UTILITY 206, 207, 208**	10
11	~~REC. JANITOR 214 & WORK SPACE 209~~	1	20 A	0.1					1.1	20 A	1	**REC. UTILITY 210, 212, 213**	12
13	**REC. CORRIDOR**	1	20 A	1.3			0.1			15 A	2	**BS-5 ***	14
15	**SPARE**	1	20 A		0.0			0.1					16
17	**BS-6 ***	2	15 A			0.1			0.1	15 A	2	**BS-8 ***	18
19				0.1			0.1						20
21	**ICE MAKER POWER * ^**	1	20 A		0.1			0.1		20 A	1	**SPARE**	22
23	**NE CORRIDOR SD POWER**	1	20 A			0.1			0.8	20 A	1	**SPARE**	24
25	**SPARE**	1	20 A	0.8			0.0			20 A	1	**SPARE**	26
27	**SPARE**	1	20 A		0.5			0.0		20 A	1	**SPARE**	28
29	**SPARE**	1	20 A			0.0			0.0	20 A	1	**SPARE**	30
31	**SPARE**	1	20 A	0.0			0.0			20 A	1	**SPARE**	32
33	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	34
35	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 2.8 ϕ B: 1.3 ϕ C: 2.9 HIGH ϕ (AMPS): 26 A
TOTAL CONNECTED LOAD (KVA): 7.0 TOTAL LOAD (AMPS): 19.5 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
* INDICATES NEW CIRCUIT. PROVIDE NEW 22kAIC C/B. REMOVE EXISTING SPARE C/Bs TO ACCOMMODATE NEW.
+ PROVIDE LOCKABLE C/B, PAINTED RED.
^ PROVIDE CIRCUIT WITH GFCI BREAKER.

PANELBOARD SCHEDULE

MARK: **2O1** EXISTING

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	MAIN & NORTH DOORS POWER	1	20 A	0.1			0.1			20 A	1	WEST DOORS POWER	2
3					2.5			9.6					4
5	DBP-1	3	35 A			2.5			9.6	100 A	3	ELEVATOR	6
7				2.5			9.6						8
9	SUMP PUMP REC.	1	20 A		0.2			--		--	1	SHUNT TRIP SPACE ONLY	10
11	ELEVATOR PIT LIGHTING	1	20 A			0.1			1.2	20 A	1	ELEVATOR SERVICE REC	12
13	ALARM BELL POWER	1	20 A	0.1			0.1			15 A	1	ELEVATOR CAB LIGHTING	14
15	~~IT REC 1~~	1	20 A		0.4			0.2		20 A	1	~~BOSS POWER~~	16
17	ELEC & MECH LTG	1	20 A			0.1			0.9	20 A	1	GULF 6, 7, 8, & 9 LTG	18
19	IT REC 2	1	20 A	0.4			0.9			20 A	1	GULF 10, 11, 12, & 13 LTG	20
21	IT REC 4	1	20 A		0.4			0.9		20 A	1	GULF 14, 15, 16, & 17 LTG	22
23	IT REC 3	1	20 A			0.4			0.9	20 A	1	GULF 2, 3, 4, & 5 LTG	24
25	CU-IT	2	20 A	1.0			0.3			20 A	1	GULF 1 LTG	26
27					1.0			0.9		20 A	1	GULF 18, 19, 20, & 21 LTG	28
29	FIRE RISER 121 LTG	1	20 A			0.1			0.7	20 A	1	GULF 22, 23, & 24 LTG	30
31	S CORRIDOR 102 LTG	1	20 A	0.6			0.7			20 A	1	GULF 25, 26, & 27 LTG	32
33	CORE LTG	1	20 A		0.5			0.9		20 A	1	GULF 28, 29, 30, & 31 LTG	34
35	N CORRIDOR 102 LTG	1	20 A			0.2			0.0	20 A	1	SPARE	36
37	MIDDLE CORRIDOR 102 LTG	1	20 A	0.2			1.6						38
39	S SMOKE DAMPER POWER	1	20 A		0.1			1.3		50 A	3	**PANEL 2O2 ***	40
41	NE SMOKE DAMPER POWER	1	20 A			0.1			1.2				42

TOTAL KVA: ϕ A: 18.2 ϕ B: 18.9 ϕ C: 18.0 HIGH ϕ (AMPS): 158 A
TOTAL CONNECTED LOAD (KVA): 55.2 TOTAL LOAD (AMPS): 153.2 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
* INDICATES NEW CIRCUIT. PROVIDE NEW 22kAIC C/B. REMOVE EXISTING SPARE C/Bs TO ACCOMODATE NEW.

PANELBOARD SCHEDULE

MARK: **2O2**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	LTG. JANITOR 214 & TELCOMM RM 213	1	20 A	0.2			0.1			20 A	1	LTG. SOUTH WEST UTILITY CLOSETS	2
3	LTG. CORRIDOR	1	20 A		0.9			0.0		20 A	1	LTG. RM 209	4
5	HP-213/AC-213	2	20 A			1.0			0.2	20 A	1	SPR REC. TELECOMM RM 213	6
7				1.0			0.2			20 A	1	SPR REC. TELCOMM RM 213	8
9	SPR REC. TELCOMM ROOM 213	1	20 A		0.2			0.2		20 A	1	SPR REC. TELCOMM RM 213	10
11	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	12
13	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	14
15	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	16
17	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	18
19	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	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

TOTAL KVA: ϕ A: 1.6 ϕ B: 1.3 ϕ C: 1.2 HIGH ϕ (AMPS): 13 A
TOTAL CONNECTED LOAD (KVA): 4.2 TOTAL LOAD (AMPS): 11.6 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:

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2 ADDENDUM #2 | 08/21/2026

DRAWN BY: HP
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE

Michael C. Lee 39426

SCHEDULES

E7.02

8/21/2026 3:24:13 PM

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	LAMP TYPE	LAMP #	LAMP WATTS	TOTAL WATTS	VOLTAGE	MOUNTING	NOTES
VAN	BROWNLEE LIGHTING 5160 24 BL H16 EC1 35K AMF LIGHTWAY ENVOY LIGHTING	LED 35K	N/A	16 W	16 W	120 V	WALL 6" ABOVE MIRROR	ALUMINUM EXTRUSION ASSEMBLY WITH COLD ROLLED STEEL HOUSING AND UVSTABILIZED ACRYLIC DIFFUSER. ORIENT FIXTURE WITH LONG AXIS HORIZONTAL.
UC1	PICASSO TAS 4.5-SF CL12" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	6.6 W	7 W	120 V	UNDER CABINET	12" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC1a	PICASSO TAS 4.5-SF CL15" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	8.3 W	8 W	120 V	UNDER CABINET	15" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC1b	PICASSO TAS 4.5-SF CL21" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	11.6 W	12 W	120 V	UNDER CABINET	21" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC2	PICASSO TAS 4.5-SF CL24" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	13.2 W	13 W	120 V	UNDER CABINET	24" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC2a	PICASSO TAS 4.5-SF CL30" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	16.5 W	17 W	120 V	UNDER CABINET	30" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC2b	PICASSO TAS 4.5-SF CL33" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	18.2 W	18 W	120 V	UNDER CABINET	33" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC3	PICASSO TAS 4.5-SF 3 D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	19.8 W	20 W	120 V	UNDER CABINET	36" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
UC3a	PICASSO TAS 4.5-SF CL45" D3 35 80 FW SM ZT1 OR APPROVED EQUAL	LED 35K	N/A	24.8 W	25 W	120 V	UNDER CABINET	45" LOW PROFILE UNDER CABINET LIGHT, 0-10V DIMMING DRIVER, PROVIDE FROSTED, OPALIZED LENS, DIRECT WIRE, WHITE FINISH
LD15	GOTHAM EVO 35/15 6AR MD LSS MVOLT EZB USAI ABOVE ALL LIGHTING	LED 35K	N/A	14.7 W	15 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LD20	GOTHAM EVO 35/20 6AR MD LSS MVOLT EZB USAI ABOVE ALL LIGHTING	LED 35K	N/A	19.7 W	20 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LD25	GOTHAM EVO 35/25 6AR MD LSS MVOLT EZB USAI ABOVE ALL LIGHTING	LED 35K	N/A	24.7 W	25 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LD30	GOTHAM EVO6 35/30 AR LSS MD MVOLT EZ1 USAI ABOVE ALL LIGHTING	LED 35K	N/A	29.5 W	30 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LSL	GOTHAM EV04SH 35/15 DFFAMF SMO 120 EZ1 USAI ABOVE ALL LIGHTING	LED 35K	N/A	13.7 W	14 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
CF	OXYGEN OSLO 3-128-5 OR APPROVED EQUAL	LED	N/A	79 W	79 W	120 V	SUSPENDED	44" CEILING FAN WITH LIGHT KIT. COORDINATE SUSPENSION HEIGHT WITH ARCHITECTUAL
L5I	LITHONIA ZLID L48 5000LM FST MVOLT 35K 80CRI WH SLG ABOVE ALL LIGHTING	LED 35K	N/A	41 W	41 W	120 V	SUSPENDED @ 9'-0" AFF	LOW PROFILE STRIP FIXTURE, INJECTION MOLDED ACRYILIC DIFFUSE LENS WITH 10% UPLIGHT. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY. PAINTED AFTER FABRICATION.
L7I	LITHONIA ZLID L48 7000LM FST MVOLT 35K 80CRI WH DAY-BRITE COLUMBIA	LED 35K	N/A	59 W	59 W	120 V	SUSPENDED @ 9'-0" AFF	LOW PROFILE STRIP FIXTURE, INJECTION MOLDED ACRYILIC DIFFUSE LENS WITH 10% UPLIGHT. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY. PAINTED AFTER FABRICATION.
EXB	LITHONIA LHQM S W 3 R HO RO EMERGILITE FME LIGHTING	LED RED	N/A	9 W	9 W	120 V	WALL OR CEILING AS INDICATED	PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS, DIE CAST ALUMINUM HOUSING W/BRUSHED ALUMINUM FACEPLATE, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS. PROVIDE WALL MOUNT WHERE INDICATED ON DRAWINGS. PROVIDE SURFACE MOUNT KIT AS REQUIRED.
L4A	MARK ARCHITECTURAL LIGHTING SL4L LOP 4FT FLP TG 80CRI 35K 1000LMF MIN1 120 ARCHITECTURAL LIGHTING WORKS PRUDENTIAL LIGHTING	LED 35K	N/A	40 W	40 W	120 V	RECESSED GRID	EXTRUDED ALUMINUM CEILING TRIM, 90% TRANSMISSIVE POLYCARBONATE LENS, PAINTED AFTER FAB
L3A	LITHONIA 2GTL 4 30L GZ1 LP835 ABOVE ALL LIGHTING ENVOY LIGHTING	LED 35K	N/A	24 W	24 W	120 V	RECESSED GRID	ACRYILIC FIXTURE WITH A19 LENS 0.156" THICK, 1% 0-10V DIMMING DRIVER, MITRED DOOR FRAMES W/SPRING LOADED LATCHES AND PAINTED AFTER FAB, L90 RATED LIFE OF 60,000 HOURS AND A 5 YEAR WARRANTY.
L2W2	LITHONIA LBL2 2000LM 80CRI 35K MIN10 GZT MVOLT ALL ABOVE LIGHTING ENVOY LIGHTING	LED 35K	N/A	16.9 W	17 W	120 V	SURFACE	WRAPAROUND FIXTURE, INJECTION MOLDED ACRYLIC PRISMATIC LENS WITH SONICALLY WELDED LUMINOUS ENDS. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED AFTER FAB. LED REQUIREMENTS: L90 RATED LIFE OF 50,000 HOURS.
BATTERY PACK	BODINE EMERGI-LITE BEGHELLI						INSIDE LIGHT FIXTURE	1400 LUMENS FOR 90 MINUTES, UL 924 LISTED MAINTENANCE-FREE NICKEL-CADMIUM BATTERY, TEST SWITCH, LED INDICATING LIGHT, AUTOMATIC CHARGER

NOTES: FIXTURES WITH HALF FILLED IN CENTER SHALL BE PROVIDED WITH A BATTERY PACK. SEE PLANS FOR QUANTITY.
PRIOR APPROVALS MUST BE SUBMITTED TO THE ENGINEER 14 DAYS PRIOR TO BID DATE FOR REVIEW.

dell consulting
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ISSUE	DATE
BID DOCUMENTS	03/24/20
2 ADDENDUM #2	08/21/2026
DRAWN BY:	RAB
CHECKED BY:	MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE No. 38426 08-21-2026
Michael C. Lee 38426

SCHEDULES

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