CHATHAM COUNTY PURCHASING & CONTRACTING DEPARTMENT

ADDENDUM NO. <u>1</u> TO <u>21-0074-4</u>

FOR: CORONER'S OFFICE RENOVATIONS

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

See attached Addendum 1 (*General Information, Substitution Requests, RFI Responses*) (2 pages)

PROJECT MANUAL:

1. Replace current Table of Contents with the **attached** *revised* **Table of Contents**. (3 sheets) 2. At 09 67 23 " RESINUOUS FLOORING" add item 2.1.h.3 "Plexi-Cheme Inc. Inc. Plexicrete SLBQ"

3. Insert attached Specification Section 10 73 26 "MANUFACTURED WALKWAY COVERS" (5 sheets)

4. Replace current Specification Section 26 27 26 "WIRING DEVICES" (6 sheets)

DRAWINGS:

1. On sheet A9.01, Remove Note #3

2. Replace Sheets P1.01, F1.01, E0.01, E1.01, T1.01 with the attached sheets. (5 sheets)

BID OPENING REMAINS: 2PM, TUESDAY, JUNE 22, 2021

THE PROPOSER IS RESPONSIBLE FOR MAKING THE NECESSARY CHANGES AND MUST ACKNOWLEDGE RECEIPT OF ADDENDUM.

<u>6/16/21</u> DATE

ROBERT E. MARSHALL SENIOR PROCUREMENT SPECIALIST CHATHAM COUNTY

ADDENDUM No. 01

- DATE: June 16, 2021
- PROJECT: Chatham County Coroner's Office Chatham County, Georgia Bid No. 21-0074-4
- BY: Cogdell & Mendrala Architects, PC (Architect) 517 East Congress Street Savannah, GA 31401

This Addendum forms a part of the Contract Documents and modifies the original Drawings and Project Manual dated May 2021 and identified as (Construction Documents – Issued for Bid).

- I. GENERAL INFORMATION:
- A. Bid opening is scheduled for 2pm, June 22. Bidders may call in to hear the bid opening. Call 1-888-585-9008, then Then punch in Conference Room Code: 743-636-882 #. Due to Covid restrictions, in perso0n attendance is not permitted.
- II. SUBSTITUTION REQUESTS:
- A. Subject to compliance with requirements, Plexi-Chemie Inc. Plexicrete SLBQ is an approved product under 09 67 23 "RESINUOUS FLOORING".
- III. RFI RESPONSE:
- A. "Per drawing F1.01, we are to extend the existing fire protection system to protect the space per NFPA 13. Are the fire sprinkler drawings for the existing system available?"
 Answer: The as-built Fire Sprinkler drawings for the existing system are available for review at the office of Cogdell & Mendrala Architects, 912-234-6318. Cogdell and Mendrala Architects P.C. makes no claims as to the accuracy or completeness of these drawings.
- B. "Is the low voltage cabling on page T1.01 in the Contractor's scope, or are we only to provide the rough ins for the Owner's low voltage contractor?"

Answer: Contractor shall provide all cabling for a fully functioning system. See attached revised drawings.

C. "A3.01-2 South Elevation and A3.01-6 Canopy Detail show a specification section for the Manufactured Walkway Covers 10 73 26. There are no spec's provided for section 10 73 26. Please advise"

Answer: Find attached Specification Section 10 73 26 "MANUFACTURERD WALKWAY COVERS"

D. "Please see Sht. #A9.01 General Finish Note #3, which reads "VB to match color of wall paint on each wall, change color on inside corner", the Finish Plan, and the Room Finish Schedule with Wall Paint Color I.D. #'s. Please confirm this is your design intent...to have five different color vinyl bases to match wall paint (Finish) schedule. (Which will require a minimum of one full carton of each colored base as required to be purchased). HOWEVER, if only one base color is required, then just please remove or re-word Note #3."

Answer: Remove Note 3 from General Finish Notes on Sheet A9.01.

- IV. PROJECT MANUAL:
- A. Replace Table of Contents with attached revised Table of Contents.
- B. At 09 67 23 "RESINUOUS FLOORING" add Item 2.1.H.3 "Plexi-Chemie Inc. Plexicrete SLBQ"
- C. Insert attached Specification Section 10 73 26 "MANUFACTURERD WALKWAY COVERS"
- D. Replace existing Specification Section 26 27 26 "WIRING DEVICES" with attached Specification Section 26 27 26 "WIRING DEVICES"
- V. Drawings:
- A. Architectural:
 - 1. A9.01 Finish Schedule and Signage Plan Under General Finish Notes, Remove Note #3, There is only one color of base (VB).
- B. Plumbing:
 - 1. Replace Sheet P1.01 in its entirety.
- C. Fire Protection:
 - 1. Replace Sheet F1.01 in its entirety.
- D. Electrical:
 - 1. Replace Sheet E0.01 in its entirety.
 - 2. Replace Sheet E1.01 in its entirety.
- E. Telecommunications:
 - 1. Replace Sheet T1.01 in its entirety.

END OF ADDENDUM No. 01

Section Title

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SECTION 10 73 26 - MANUFACTURED WALKWAY COVERS

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 aluminum Post-and-beam supported and wall supported walkway covers.

1.3 SYSTEM DESCRIPTION

- A. General: Provide a complete, integrated set of walkway cover manufacturer's standard mutually dependent components and assemblies that form a walkway cover system capable of withstanding structural and other loads, thermally induced movement, and exposure to weather without failure or infiltration of water. Include primary and secondary framing, metal roof panels, and accessories complying with requirements indicated.
 - 1. Provide walkway cover system of size, spacings, slopes, configurations, and spans indicated.

1.4 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide walkway covers capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Design Loads: As indicated on Drawings.
 - 2. Live Loads: Include vertical loads induced by maintenance workers, materials, and equipment for roof live loads.
 - 3. Roof Snow Loads: As indicated.
 - 4. Deflection Limits: Engineer assemblies to withstand design loads with deflections no greater than the following:
 - a. Purlins and Rafters: Vertical deflection of 1/240 of the span.
 - b. Metal Roof Panels: Vertical deflection of 1/240 of the span.
- B. Delegated Design: Design aluminum-framed systems, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated
 - 1. Wind Loads: As indicated on Drawings.
 - 2. Seismic Performance: As indicated.
 - 3. Comply with ASCE 7.
- C. Thermal Movements: Provide walkway covers that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

1.5 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: Show fabrication and installation details for walkway covers.

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- 1. Include plans, elevations, and at least 3/4-inch scale sections of typical members and other components. Show anchors, reinforcement, accessories, layout, and installation details.
 - a. Installation Drawings: Signed, dated, and sealed by a registered professional engineer licensed in jurisdiction in which the project is located.
 - b. Show locations of electrical service connections.
- C. Delegated-Design Submittal: For aluminum-framed systems indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation. Engineer shall be licensed in the State of Georgia.
 - 1. Detail fabrication and assembly of walkway cover systems.
 - 2. Include design calculations
 - 3. Design calculations shall state that the walkway cover system design complies with the wind requirements of ASCE 7.
- D. Samples for Verification: For each type of product indicated, of size below:
 - 1. Aluminum: For each form, finish, and color, on 6-inch- long sections of extrusions and squares of sheet at least 4 by 4 inches.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative of walkway covering manufacturer for installation of units required for this Project.
- B. Source Limitations: Obtain walkway cover components through one source from a single manufacturer.
- C. Product Options: Drawings indicate size, profiles, and dimensional requirements of walkway covers.
 - 1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

1.7 DELIVERY AND HANDLING

A. Deliver walkway covers in protective covering and crating to protect components and surfaces against damage.

1.8 COORDINATION

- A. Coordinate installation of anchorages for walkway covers. Furnish setting drawings, templates, and directions for installing anchorages and other items that are to be embedded in concrete. Deliver such items to Project site in time for installation.
- B. Coordinate delivery time so walkway cover systems can be installed within 24 hours of receipt at Project site.

1.9 WARRANTY

A. Warranty Period: Five years from date of Material Completion.

PART 2 - PRODUCTS

- 2.1 MANUFACTURERS
 - A. Basis-of-Design Product: Tennessee Valley Metals, or a comparable product by one of the following:
 - 1. Perfection Architectural Systems.
 - 2. Mitchell Metals.

2.2 MATERIALS

- A. Aluminum Sheet and Plate: ASTM B 209,alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with at least the strength and durability properties of alloy 5005-H15.
- B. Aluminum Extrusions: Extruded Roof Deck, Cap, Fascia: Alloy 6061-T6, 6063-T5, and 6063-T6 as called for by profile and design.
 - 1. Thickness: As required by design, complying with minimum thickness requirement specified.
- C. Aluminum Sheet: For miscellaneous trim only: Alloy 3105-H28 or 3004-H34; Minimum yield: 30 ksi; Minimum thickness 0.040 inch.

2.3 ACCESSORIES

- A. Fasteners: Use concealed fasteners fabricated from metals that are noncorrosive to walkway cover systems material and mounting surface.
- B. Hardware:
 - 1. Fasteners: Plated non-corrosive Type 18-8 stainless steel, sealed with neoprene "O" rings beneath flat washers.
- C. Anchors and Inserts: Use stainless steel or hot-dip galvanized anchors and inserts. Use torquecontrolled expansion-bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete.
- D. Provide Manufacturer's standard escutcheons at locations where struts penetrate finished wall surfaces.
- E. Provide aluminum overhead support rods, finish to match canopy at locations of overhead supported covers.
- F. Concrete for Foundations: Comply with requirements in Division 03 Section "Cast-in-Place Concrete" for normal-weight, air-entrained, ready-mix concrete with a minimum 28-day compressive strength of 2500 psi, unless otherwise indicated.

2.4 FABRICATION, GENERAL

- A. General: Provide walkway cover systems consisting of extruded aluminum canopy supported on foundation-mounted, aluminum structural framing system and canopies attached to walls and supported by struts as indicated.
 - 1. Provide walkway cover support columns as indicated on the drawings.
 - 2. Welded Connections: Comply with AWS standards for recommended practices in shop welding. Provide welds behind finished surfaces without distortion or discoloration of exposed side.
 - 3. Mill joints to a tight, hairline fit. Form joints exposed to weather to exclude water penetration.
 - 4. Conceal fasteners if possible; otherwise, locate fasteners where they will be inconspicuous.

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- a. Exposed fasteners will not be permitted in walkway columns.
- 2.5 STRUCTURE
 - A. Base: Embed columns in foundations indicated. Do not allow columns to directly contact concrete.
- 2.6 ALUMINUM FINISHES
 - A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
 - B. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
 - C. Clear Anodic Finish: AAMA 611, AA-M12C22A41, Class I, 0.018 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify all dimensions existing and provided.
- B. Make reasonable adjustments in fabrication and erection to provide an acceptable finished walkway cover.

3.2 INSTALLATION

- A. Walkway cover system to be installed by manufacturer, or manufacturer's authorized installer.
- B. Excavation: In firm, undisturbed or compacted soil, excavate walkway cover systems foundation to dimensions indicated.
- C. Set anchor bolts and other embedded items required for installation of walkway cover systems. Use templates furnished by suppliers of items to be attached.
- D. Install walkway cover systems level, plumb, and at height and slope indicated, with surfaces free from distortion or other defects in appearance.
 - 1. Beams:
 - a. If mechanically fastened system, place beams in column notches and secure with proper number of fasteners as specified by size of beam and engineering. Ensure contact bearing in bottom of column notches; insert aluminum shim plates as necessary.
 - b. Level tops of beams to receive roof panels; roof panels shall drain rainwater into beams as indicated.
 - c. Minor connections and incidental details shall be as shown on the drawings.
 - d. Ensure that end caps are welded or mechanically fastened securely into place.
 - 2. Roof Panels:
 - a. Fabricate roof panels to required lengths.
 - b. Install level and square to beams to avoid "out of square" conditions at beam ends.
 - c. Secure each contact point with a minimum of three stainless steel fasteners with 3/4 inch (19 mm) flat neoprene washers.
 - 3. Joints Sealants and Flashing:
 - a. Seal fabrication joints and seams away from view where required.
 - b. Seal all other points where water penetration might be expected.
 - c. Flash connection to walls where walkway cover units contact surface of building: do not use sealant.
 - 4. Coordinate installation of struts and escutcheons with other trades.

- 3.3 CLEANING
 - A. At completion of installation, clean soiled surfaces of walkway cover systems according to manufacturer's written instructions.
 - 1. Remove protective film from members. Clean canopy of dirt, grease, handprints, and other blemishes. Leave area in a neat, clean, and acceptable condition.
 - B. Protect canopy from damage from other construction operations. Provide temporary barricades where necessary.

END OF SECTION 10 73 26

SECTION 26 27 26 - WIRING DEVICES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wall switches.
- B. Wall dimmers.
- C. Receptacles.
- D. Wall plates.
- E. Floor box service fittings.

1.2 RELATED REQUIREMENTS

A. Section 26 05 33.16 - Boxes for Electrical Systems.

1.3 REFERENCE STANDARDS

- A. FS W-C-596 Connector, Electrical, Power, General Specification for 2017h.
- B. FS W-S-896 Switches, Toggle (Toggle and Lock), Flush-mounted (General Specification) 2017g.
- C. NECA 1 Standard for Good Workmanship in Electrical Construction 2015.
- D. NECA 130 Standard for Installing and Maintaining Wiring Devices 2010.
- E. NEMA WD 1 General Color Requirements for Wiring Devices 1999 (Reaffirmed 2015).
- F. NEMA WD 6 Wiring Devices Dimensional Specifications 2016.
- G. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- H. UL 20 General-Use Snap Switches Current Edition, Including All Revisions.
- I. UL 498 Attachment Plugs and Receptacles Current Edition, Including All Revisions.
- J. UL 514D Cover Plates for Flush-Mounted Wiring Devices Current Edition, Including All Revisions.
- K. UL 943 Ground-Fault Circuit-Interrupters Current Edition, Including All Revisions.
- L. UL 1472 Solid-State Dimming Controls Current Edition, Including All Revisions.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the placement of outlet boxes with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 2. Coordinate wiring device ratings and configurations with the electrical requirements of actual equipment to be installed.
 - 3. Coordinate the installation and preparation of uneven surfaces, such as split face block, to provide suitable surface for installation of wiring devices.
 - 4. Notify Architect of any conflicts or deviations from Contract Documents to obtain direction prior to proceeding with work.
- 1.5 SUBMITTALS
 - A. Product Data: Provide manufacturer's catalog information showing dimensions, colors, and configurations.
 - 1. Wall Dimmers: Include derating information for ganged multiple devices.
 - B. Operation and Maintenance Data:
 - 1. Wall Dimmers: Include information on operation and setting of presets.

- 2. GFCI Receptacles: Include information on status indicators.
- C. Project Record Documents: Record actual installed locations of wiring devices.
- D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. Extra Wall Plates: One of each style, size, and finish.

1.6 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Products: Listed, classified, and labeled as suitable for the purpose intended.

1.7 DELIVERY, STORAGE, AND PROTECTION

A. Store in a clean, dry space in original manufacturer's packaging until ready for installation.

PART 2 PRODUCTS

2.1 WIRING DEVICE APPLICATIONS

- A. Provide wiring devices suitable for intended use and with ratings adequate for load served.
- B. For single receptacles installed on an individual branch circuit, provide receptacle with ampere rating not less than that of the branch circuit.
- C. Provide weather resistant GFCI receptacles with specified weatherproof covers for receptacles installed outdoors or in damp or wet locations.
- D. Provide GFCI protection for receptacles installed within 6 feet (1.8 m) of sinks.
- E. Provide GFCI protection for receptacles installed in kitchens.
- F. Provide GFCI protection for receptacles serving electric drinking fountains.
- G. Unless noted otherwise, do not use combination switch/receptacle devices.
- 2.2 WIRING DEVICE FINISHES
 - A. Provide wiring device finishes as described below unless otherwise indicated.
 - B. Wiring Devices, Unless Otherwise Indicated: Gray with Stainless Steel wall plate.

2.3 WALL SWITCHES

- A. Manufacturers:
 - 1. Hubbell Incorporated: www.hubbell.com/#sle.
 - 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
 - 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 - 4. Arrow Hart, an Eaton brand..
 - 5. Greengate, an Eaton brand.
- B. Wall Switches General Requirements: AC only, quiet operating, general-use snap switches with silver alloy contacts, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 20 and where applicable, FS W-S-896; types as indicated on the drawings.
 - 1. Wiring Provisions: Terminal screws for side wiring and screw actuated binding clamp for back wiring with separate ground terminal screw.
- C. Standard Wall Switches: Industrial specification grade, 20 A, 120/277 V with standard toggle type switch actuator and maintained contacts; single pole single throw, double pole single throw, three way, or four way as indicated on the drawings.
 - 1. Products:
 - a. Pass and Seymour PS20AC.
 - b. Leviton 1221.
 - c. Hubbell HBL1221.
 - d. Arrow Hart 1221

- D. Low Voltage Momentary Wall Switches: Momentary contact used for vacancy sensor applications. Decorator style or pushbutton is acceptable.
 - 1. Products:
 - a. Greengate GMDS.
 - b. Wattstopper DCC2.
 - c. Hubbell LVSM.

2.4 WALL DIMMERS

- A. Manufacturers:
 - 1. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
 - 2. Lutron Electronics Company, Inc; Maestro Series: www.lutron.com/#sle.
 - 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 - 4. Eaton Greengate.
- B. Wall Dimmers General Requirements: Solid-state with continuous full-range even control following square law dimming curve, integral radio frequency interference filtering, power failure preset memory, air gap switch accessible without removing wall plate, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 1472; types and ratings suitable for load controlled as indicated on the drawings.
- C. Control: Slide control type with separate on/off switch.
- D. Power Rating, Unless Otherwise Indicated or Required to Control the Load Indicated on the Drawings.
- E. Provide accessory wall switches to match dimmer appearance when installed adjacent to each other.
- 2.5 RECEPTACLES
 - A. Manufacturers:
 - 1. Hubbell Incorporated: www.hubbell.com/#sle.
 - 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
 - 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 - 4. Arrow Hart, a brand of Eaton..
 - B. Receptacles General Requirements: Self-grounding, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 498, and where applicable, FS W-C-596; types as indicated on the drawings.
 - 1. Wiring Provisions: Terminal screws for side wiring or screw actuated binding clamp for back wiring with separate ground terminal screw.
 - 2. NEMA configurations specified are according to NEMA WD 6.
 - C. Convenience Receptacles:
 - 1. Standard Convenience Receptacles: Industrial specification grade, 20A, 125V, NEMA 5-20R; single or duplex as indicated on the drawings.
 - a. Products:
 - 1) Pass & Seymour PS5362.
 - 2) Hubbell HBL5362..
 - 3) Leviton 5362.
 - 4) Arrow Hart AH5362..
 - D. GFCI Receptacles:
 - 1. GFCI Receptacles General Requirements: Self-testing, with feed-through protection and light to indicate ground fault tripped condition and loss of protection; listed as complying with UL 943, class A.
 - a. Provide test and reset buttons of same color as device.
 - 2. Standard GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style.

- a. Products:
 - 1) Hubbell GFRST20.
 - 2) Pass & Seymour 2097.
 - 3) Arrow Hart SGF20.
- 3. Weather Resistant GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style, listed and labeled as weather resistant type complying with UL 498 Supplement SE suitable for installation in damp or wet locations. a. Products:
 - 1) Hubbell GFWRST20.
 - 2) Pass & Seymour 2097WR.
 - 3) Arrow Hart WRSGF20.

2.6 WALL PLATES

- A. Manufacturers:
 - 1. Hubbell Incorporated: www.hubbell-wiring.com/#sle.
 - 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
 - 3. Lutron Electronics Company, Inc: www.lutron.com/#sle.
 - Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 Eaton.
- B. Wall Plates: Comply with UL 514D.
 - 1. Configuration: One piece cover as required for quantity and types of corresponding wiring devices.
 - 2. Size: Standard.
 - 3. Screws: Metal with slotted heads finished to match wall plate finish.
- C. Stainless Steel Wall Plates: Brushed satin finish, Type 302 stainless steel.
- D. Weatherproof Covers for Wet Locations: Gasketed, cast aluminum, with hinged lockable cover and corrosion-resistant screws; listed as suitable for use in wet locations while in use with attachment plugs connected and identified as extra-duty type.

2.7 FLOOR BOX SERVICE FITTINGS

- A. Manufacturers:
 - 1. Hubbell Incorporated: www.hubbell.com/#sle.
 - 2. Thomas & Betts Corporation: www.tnb.com/#sle.
 - 3. Wiremold, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 - 4. FSR, Inc.
- B. Description: Service fittings compatible with floor boxes provided under Section 26 05 33.16 with components, adapters, and trims required for complete installation.
- C. Flush Floor Service Fittings:
 - 1. Dual Service Flush Combination Outlets:
 - a. Cover: Rectangular.
 - b. Configuration:
 - 1) Power: Two standard convenience duplex receptacle(s) with duplex flap opening(s).
 - 2) Communications: Two standard junction boxes for voice and data outlets..
 - 3) Voice and Data Jacks: Provided by **Division 27 contractor**.
 - 2. Accessories:
 - a. Tile Rings: Finish to match covers; configuration as required to accommodate specified covers.
 - b. Carpet Flanges: Finish to match covers; configuration as required to accommodate specified covers.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate devices and conductors in accordance with NFPA 70.
- C. Verify that wall openings are neatly cut and will be completely covered by wall plates.
- D. Verify that final surface finishes are complete, including painting.
- E. Verify that branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.
- F. Verify that conditions are satisfactory for installation prior to starting work.

3.2 PREPARATION

- A. Provide extension rings to bring outlet boxes flush with finished surface.
- B. Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

3.3 INSTALLATION

- A. Perform work in accordance with NECA 1 (general workmanship) and, where applicable, NECA 130, including mounting heights specified in those standards unless otherwise indicated.
- B. Coordinate locations of outlet boxes provided under Section 26 05 33.16 as required for installation of wiring devices provided under this section.
 - 1. Mounting Heights: Unless otherwise indicated, as follows:
 - a. Wall Switches: 48 inches (1200 mm) above finished floor.
 - b. Wall Dimmers: 48 inches (1200 mm) above finished floor.
 - c. Receptacles: 18 inches (450 mm) above finished floor or 6 inches (150 mm) above counter.
 - 2. Orient outlet boxes for vertical installation of wiring devices unless otherwise indicated.
 - 3. Where multiple receptacles, wall switches, or wall dimmers are installed at the same location and at the same mounting height, gang devices together under a common wall plate.
 - 4. Locate wall switches on strike side of door with edge of wall plate 3 inches (80 mm) from edge of door frame. Where locations are indicated otherwise, notify Architect to obtain direction prior to proceeding with work.
 - 5. Locate receptacles for electric drinking fountains concealed behind drinking fountain according to manufacturer's instructions.
- C. Install wiring devices in accordance with manufacturer's instructions.
- D. Install permanent barrier between ganged wiring devices when voltage between adjacent devices exceeds 300 V.
- E. Where required, connect wiring devices using pigtails not less than 6 inches (150 mm) long. Do not connect more than one conductor to wiring device terminals.
- F. Connect wiring devices by wrapping conductor clockwise 3/4 turn around screw terminal and tightening to proper torque specified by the manufacturer. Where present, do not use push-in pressure terminals that do not rely on screw-actuated binding.
- G. Unless otherwise indicated, connect wiring device grounding terminal to branch circuit equipment grounding conductor and to outlet box with bonding jumper.
- H. Provide GFCI receptacles with integral GFCI protection at each location indicated. Do not use feed-through wiring to protect downstream devices.
- I. Install wiring devices plumb and level with mounting yoke held rigidly in place.
- J. Install wall switches with OFF position down.

- K. Install wall dimmers to achieve full rating specified and indicated after derating for ganging as instructed by manufacturer.
- L. Do not share neutral conductor on branch circuits utilizing wall dimmers.
- M. Install vertically mounted receptacles with grounding pole on top and horizontally mounted receptacles with grounding pole on left.
- N. Install wall plates to fit completely flush to wall with no gaps and rough opening completely covered without strain on wall plate. Repair or reinstall improperly installed outlet boxes or improperly sized rough openings. Do not use oversized wall plates in lieu of meeting this requirement.
- O. Install blank wall plates on junction boxes and on outlet boxes with no wiring devices installed or designated for future use.

3.4 FIELD QUALITY CONTROL

- A. Inspect each wiring device for damage and defects.
- B. Operate each wall switch, wall dimmer, and fan speed controller with circuit energized to verify proper operation.
- C. Test each receptacle to verify operation and proper polarity.
- D. Test each GFCI receptacle for proper tripping operation according to manufacturer's instructions.
- E. Correct wiring deficiencies and replace damaged or defective wiring devices.

3.5 ADJUSTING

A. Adjust devices and wall plates to be flush and level.

3.6 CLEANING

A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

END OF SECTION







FIRE PROTECTION DESIGN DATA

BUILDING TYPE: OFFICE NUMBER OF STORIES: 1-STORY BUILDING ABOVE GRADE

NFPA 13 HAZARD CLASSIFICATIONS LIGHT HAZARD IN ALL AREAS EXCEPT AS NOTED OTHERWISE. DESIGN DENSITY: 0.10 GPM/SF DESIGN AREA: 1,500 SF REMOTE AREA HOSE DEMAND: 100 GPM ORDINARY HAZARD GROUP 1 IN JANITOR'S CLOSET DESIGN DENSITY: 0.15 GPM/SF WET SYSTEM

DESIGN AREA: 1,500 SF REMOTE AREA

HOSE DEMAND: 250 GPM

FIRE PROTECTION NOTES

- DRAWINGS.
- APPLICATIONS AND PAY ANY AND ALL FEES.
- ARCHITECT AND ENGINEER OF RECORD PRIOR TO BIDDING, ORDERING, OR INSTALLING ANY ITEMS.

- LOCATIONS. PENDANT HEADS.
- PIPING.
- FIXTURES, SIGNAGE, HVAC DUCT, OR ANY OTHER OBSTRUCTIONS PER NFPA 13.

- 16. ALL SPRINKLER PIPING SHALL BE PROTECTED FROM FREEZING.

1. THE FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL AN AUTOMATIC SPRINKLER SYSTEM FOR THE ENTIRE BUILDING. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, NFPA 14, LIFE SAFETY CODE NFPA 101, INDUSTRIAL RISK INSURERS, ALL STATE AND LOCAL REGULATIONS, AND OTHER REQUIRED STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR REQUIRED TO SATISFY A COMPLETE WORKING SYSTEM.

2. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, TOOLS, TRANSPORTATION, AND SUPERVISION TO INSTALL A COMPLETE AND PROPERLY OPERATING FIRE PROTECTION SYSTEM AS DESCRIBED IN THIS AND OTHER CONTRACT DOCUMENTS AND

3. MATERIALS, EQUIPMENT, AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THE SPRINKLER CONTRACTOR'S EXPENSE. 4. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND PLANS TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW.

DESIGN CALCULATIONS SHALL BE SUBMITTED TO THE AHJ FOR APPROVAL. THE CONTRACTOR SHALL SECURE ALL PERMITS OR 5. THE CONTRACTOR SHALL PROVIDE FIRE PUMP SYSTEM SPECIFICATIONS PER NFPA 20 AS REQUIRED AND SUBMIT THE INFORMATION

TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO BIDDING, ORDERING, OR INSTALLING ANY ITEMS. 6. THE CONTRACTOR SHALL FOLLOW STANDPIPE REQUIREMENTS PER NFPA 14 AND PROVIDE SUBMITTAL INFORMATION TO THE

7. A FIRE DEPARTMENT CONNECTION SHALL BE PROVIDED PER CITY OF SAVANNAH REQUIREMENTS.

8. DRAWING DETAILS SHALL BE PROVIDED TO SHOW ALL SYSTEM COMPONENTS, SYSTEM CONNECTIONS, AND CONFIGURATION. 9. A STANDPIPE DRAIN SHALL BE PROVIDED AND ROUTED TO AN APPROVED LOCATION BY THE ENGINEER OF RECORD.

10. PROVIDE A REFLECTED CEILING PLAN DRAWING FOR EACH FLOOR THAT SHOWS THE ROOM DESIGNATIONS AND SPRINKLER HEAD

11. SPRINKLERS IN ARCHITECTURAL CEILINGS OR GYPSUM BOARD CEILINGS SHALL BE FULLY-RECESSED UNLESS NOTED OTHERWISE. ARCHITECT OR INTERIOR DESIGNER SHALL SELECT COLOR OF RECESSED SPRINKLER CEILING PLATES. SPRINKLERS IN TILE CEILINGS SHALL BE SEMI-RECESSED PENDANT HEADS UNLESS NOTED OTHERWISE. SPRINKLERS IN EXPOSED AREAS SHALL BE UPRIGHT

12. SPRINKLERS INSTALLED IN CEILINGS OF FINISHED AREAS SHALL BE SYMMETRICAL IN RELATION TO CEILING SYSTEM COMPONENTS AND CENTERED IN THE CEILING TILE. THE SPRINKLER HEADS SHALL USE FLEXIBLE SPRINKLER HOSE CONNECTIONS TO THE BRANCH

13. SPRINKLER HEAD SPRAY PATTERNS SHALL NOT BE BLOCKED BY SOFFITS, PARTITIONS, BEAMS, STRUCTURAL MEMBERS, LIGHT

14. PIPING SHALL BE SUPPORTED PER NFPA 13. PIPING MAY NOT REST ON THE CEILING OR BE SUPPORTED FROM OTHER OBJECTS. ALL PIPING SHALL BE ATTACHED TO THE BUILDING STRUCTURAL MEMBERS.

15. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CHARACTERISTICS WITH THE ELECTRICAL CONTRACTOR.

FIRE PROTECTION ABBREVIATIONS				
ABBREVIATION	DESCRIPTION			
ABV	ABOVE			
AC	AIR COMPRESSOR			
AFF	ABOVE FINISHED FLOOR			
AFG	ABOVE FINISHED GRADE			
AP	ACCESS PANEL			
BFP	BACK FLOW PREVENTOR			
BP	BOOSTER PUMP			
CLG	CEILING			
DAS	DRY AUTOMATIC SPRINKLER			
DSP	DRY STANDPIPE			
FCV	FLOOR CONTROL VALVE			
FD	FLOOR DRAIN			
FDC	FIRE DEPARTMENT CONNECTION			
FE	FIRE EXTINGUISHER			
FDV	FIRE DEPARTMENT VALVE			
FHV	FIRE HOSE VALVE			
FP	FIRE PUMP			
FL	FLOOR			
FS	FLOOR SINK			
GC	GENERAL CONTRACTOR			
HP	HORSEPOWER			
I.E.	INVERT ELEVATION			
I.W.	INDIRECT WASTE			
JP	JOCKEY PUMP			
MTD	MOUNTED			
MTR	MOTOR			
NC	NORMALLY CLOSED			
NIC	NOT IN CONTRACT			
NO	NORMALLY OPEN			
OSY	OUTSIDE SCREW AND YOKE			
PIV	POST INDICATOR VALVE			
PRV	PRESSURE REDUCING VALVE			
RCP	REFLECTED CEILING PLAN			
RV	PRESSURE RELIEF VALVE			
SP	SUMP PUMP			
SPR	SPRINKLER			
SPKS	SPRINKLERS			
TS	TAMPER SWITCH			
TYP.	TYPICAL			
U/G	UNDERGROUND			
WAS	WET AUTOMATIC SPRINKLER			
WSP	WET STANDPIPE			



 \bigcirc



LIGHTING	FIXTURES:	FIRE ALA	≺M:	
$\begin{bmatrix} A & 1 \\ 0 \end{bmatrix} \begin{bmatrix} K \\ 0 \\ a \end{bmatrix}$	STANDARD DESIGNATION FOR LIGHTING FIXTURES. "A" AND "K" INDICATE FIXTURE TYPE, "1" INDICATES CIRCUIT NUMBER AND "a" INDICATES SWITCH CONTROL	F N	PULL STATION. WALL MOUNTE COMBINATION HORN AND STR	ED WITH OPERABLE PART OF THE DEVICE AT 42" AFF.
0	RECESSED, SURFACE OR PENDANT MOUNT		COMBINATION SPEAKER AND	STROBE, 80" AFF TO THE BOTTOM OF THE LENS. "C" DESIGNATION
	STRIP SURFACE OR CHAIN HUNG). WALL MOUNTED, 80" AFE TO THE BOTTOM OF THE LENS FOR WALL
		× 완	MOUNTED.	
	LINEAR, SCONCE, WALL MOONT	FACP FACP	FIRE ALARM CONTROL PANEL	., SURFACE/RECESSED
$\circ \diamond \Phi$	RECESSED, SURFACE OR PENDANT MOUNT	LOW VOL	TAGE:	
	EXIT, CEILING OR WALL. ARROWS AS INDICATED ON DRAWINGS	PROVIDE ROUGH-IN ADJACENT TO REC RECEPTACLE PLAC	N FOR ALL LOW VOLTAGE DEVICES EPTACLES AS SHOWN ON DRAWIN CEMENT SHALL BE COORDINATED	S AND WIRING. LOW VOLTAGE JUNCTION BOXES SHALL BE LOCATE NGS. OTHER DEVICES WHOSE LOCATIONS ARE NOT DEPENDENT O WITH SYSTEM INSTALLER.
	LIGHT FIXTURES WITH INTEGRAL BATTERY PACKS OR ON EMERGENCY CIRCUIT		WALL MTD. TELECOMMUNICA ACCESSIBLE CEILING CEILING MTD. OR WALL MTD T	TION JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST
WIRING DE	EVICES:			
ECEPTACLES SHAL ENTER OF DEVICE. OUSING. ALL EXTER	L BE MOUNTED AT 18"AFF, UNO. "C" NEXT TO DEVICE INDICATES MOUNTING 9" ABOVE COUNTERTOP TO COORDINATE WITH BACKSPLASH. "WP" INDICATES DEVICE IN A WEATHERPROOF "WHILE-IN-USE" RIOR RECEPTACLES SHALL BE WEATHER RESISTANT TYPE.		CONDUIT SLEEVE, SEE DETAIL	LS. SIZE AS INDICATED. IF NO SIZE SHOWN, CONDUIT SHALL BE 2'
$\varphi \ \varphi \ \Phi \ \Box$	SIMPLEX, DUPLEX, WALL, CEILING AND FLOOR MOUNTED, WALL MOUNTED AT 18" AFF, UNO	ACCESS (CONTROLS:	
P	GROUND-FAULT-INTERRUPTING TYPE DUPLEX, MOUNT AT 18" AFF, UNO	AC	ACCESS CONTROL POWER SU	UPPLY
Ħ	DOUBLE DUPLEX (QUADRUPLEX), MOUNT AT 18"AFF, UNO	CR	CARD READER ROUGH-IN	
\bigcirc \bigcirc	JUNCTION BOX, CEILING AND WALL MOUNTED	SECURITY	Y SYSTEM:	
Ŵ	ELECTRIC WATER COOLER POWER CONNECTION, WITH GFCI BREAKER	KP	KEY PAD ROUGH-IN	
	IN-SLAB FLOOR BOX, FOUR GANG, TWO DUPLEX RECEPTACLES AND TWO LOW VOLTAGE GANGS	MD	MOTION DETECTION ROUGH-I	IN
SUBSCRIPT INDICA	CONTROLS: ATES SWITCHEG. SWITCHED FIXTURES WILL HAVE CORRESPONDING SUBSCRIPT. OCCUPANCY AUTO-ON/AUTO-OFF. VACANCY SENSORS SHALL BE MANUAL-ON/AUTO-OFF.	GENERAL	NOTES:	
\$ ^x \$ ^x ₃ \$ ^x ₄	SINGLE POLE, THREE-WAY TYPE, FOUR-WAY TYPE SWITCH. MOUNT 48"AFF, UNO.	1. ALL WORK IS TO ALL OTHER REGU	BE PERFORMED IN STRICT COMPL JLATIONS GOVERNING WORK OF T	IANCE WITH THE NATIONAL ELECTRIC CODE (2020), STATE LAWS /
\$ ^x _M \$ ^x _T \$ ^x _K	MOTOR-RATED SWITCH, TIMER SWITCH, KEYED SWITCH. MOUNT 48"AFF, UNO.	2. THE CONTRACTO SYSTEM WHETHE	DR IS RESPONSIBLE FOR ALL WORK	K, MATERIAL, AND LABOR TO SATISFY A COMPLETE AND WORKING
\$ ^x	LOW VOLTAGE DECORATOR MOMENTARY SWITCH OR PUSHBUTTON, MOUNT 48"AFF, UNO.	3. CONDUIT RUNS A	ARE DIAGRAMMATICALLY SHOWN C	ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS SHALL BE
\$°° \$'	OCCUPANCY SENSOR SWITCH, VACANCY SENSOR SWITCH, MOUNT 48" AFF, UNO	4 THE ELECTRICAL	DRAWINGS ARE ONLY PART OF TH	HE CONTRACT DOCUMENTS THE CONTRACTOR SHALL REVIEW AI
D ^x L	DIMMER WITH LOW VOLTAGE MOMENTARY ON/OFF SWITCH. 0-10V. PROVIDE ALL LOW VOLTAGE CABLING AND CONNECTIONS FOR 0 TO 10 VOLT DIMMING. MOUNT 48" AFF, UNO	THE DRAWINGS A DISCIPLINES.	AND SPECIFICATIONS FOR THEIR IN	NTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN
୦୭ ୦ଟ୍ରି	OCCUPANCY SENSOR, CEILING AND CORNER MOUNTED, SEE DETAIL 2 / E4.02	5. PROVIDE BRANCI ADJACENT TO TH	H CIRCUIT WIRING ACCORDING TO IE DEVICE OR FIXTURE.	HOMERUNS SHOWN AND CORRESPONDING CIRCUIT NUMBERS
	VACANCY SENSOR, CEILING AND CORNER MOUNTED, 2 / E4.02	6. REFER TO THE E VOLTAGE, BRANC PROVIDED AND/C	LECTRICAL PANELBOARD SCHEDU CH CIRCUITS REQUIREMENTS, BRE OR INSTALLED BY THE ELECTRICAL	JLES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE FOR EAKERS SIZES AND OTHER RELATED ELECTRICAL EQUIPMENT TO CONTRACTOR.
(PC)	PHOTOCELL, WALL MOUNTED. FOR EXTERIOR, LOCATE UNDER EAVES, FACING NORTH, AVOID ANY OTHER OUTSIDE LIGHT SOURCE			
ELECTRIC	AL EQUIPMENT:			
	DISCONNECT SWITCH, NON-FUSIBLE AND FUSIBLE			KCMIL KILO CIRCULAR MIL
	PANELBOARD: SURFACE MOUNTED AND RECESSED	AFF ABOVE F	FINISHED FLOOR	MB MAIN BREAKER
<u>XX-1</u>	EQUIPMENT AS NOTED, SEE ABBREVIATIONS, THIS SHEET	AFG ABOVE F	FINISHED GRADE	MCA MINIMUM CIRCUIT AMPS
	GROUND BAR LOCATION SEE DETAIL 5 / F4.01	AH AIR HAN	DLER	MIN MINIMUM
		AIC AMPERE	E INTERRUPTING CAPACITY	MOCP MAXIMUM OVERCURRENT PROTECTION
		A/V AUDIO/V	/ISUAL	MTD MOUNTED
	BRANCH CIRCUIT: CONCEALED	AWG AMERIC		No. NUMBER
	BRANCH CIRCUIT: CONCEALED IN FLOOR SLAB	BFG BELOW	FINISHED GRADE	NEC NATIONAL ELECTRIC CODE
	BRANCH CIRCUIT: EXPOSED	B.E. BOTTOM		
	HOMERUN' TO PANEL: NUMBER OF LONG HASH MARKS INDICATES QUANTITY OF #12 AWG	CU CONDE	NSING UNIT	RHP ROOFTOP HEAT PUMP
A-1.3.5	QUANTITY OF GROUNDED CONDUCTORS IN 3/4 RACEWAY, INUMBER OF SHORT HASH MARKS INDICATES QUANTITY OF GROUNDED CONDUCTORS (NEUTRALS) IN 3/4" RACEWAY, ONE DEDICATED NEUTRAL IS REQUIRED FOR EACH CIRCUIT INSTALLED FOLLIPMENT GROUNDING CONDUCTORS (GROUND) ARE	DIA. DIAMETI	ER	SPD SURGE PROTECTION DEVICE
,0,0	NOT SHOWN. EACH CONDUCTOR SHALL BE MIN. #12 AWG, UNO. FOR MECHANICAL EQUIPMENT, SEE MECHANICAL EQUIPMENT RATINGS SCHEDULE FOR ELECTRICAL CHARACTERISTICS.	ECB ENCLOS	ED CIRCUIT BREAKER	TYP TYPICAL
		EF EXHAUS	ST FAN	UNO UNLESS NOTED OTHERWISE
		FAAP FIRE AL	ARM ANNUNCIATOR PANEL	V VOLTAGE
		FACP FIRE ALA	ARM CONTROL PANEL	W WATTAGE
		G GROUNI	C	W/ WITH
		GFI GROUNI	D-FAULT INTERRUPTING	WH WATER HEATER
		HP HORSE I	POWER	WP WEATHER PROOF
			CULAR MIL	

	N /	-
<⊺	W	•
- N I		

YPE	DESCRIPTION	MANUFACTURERS/	FINISH	MOUNTING	MAX WATTAGE	COLOR TEMP	MIN. DELIVERED LUMENS	NOTES
A	2'X4' LED FLAT PANEL	METALUX FP SERIES, ELITE FLP SERIES, DAY-BRITE 2FXP SERIES, CREE C-TR-FP SERIES, LITHONIA EPANL SERIES, OR PRIOR APPROVED EQUAL	WHITE	RECESSED CEILING	50 W	3500 K	4,500 LUMENS	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
A-E	2'X4' LED FLAT PANEL	METALUX FP SERIES, ELITE FLP SERIES, DAY-BRITE 2FXP SERIES, CREE C-TR-FP SERIES, LITHONIA EPANL SERIES, OR PRIOR APPROVED EQUAL	WHITE	RECESSED CEILING	50 W	3500 K	4,500 LUMENS	W/ 1000 LUMEN BATTERY PACK
В	2'X2' LED FLAT PANEL	METALUX FP SERIES, ELITE FLP SERIES, DAY-BRITE 2FXP SERIES, CREE C-TR-FP SERIES, LITHONIA EPANL SERIES, OR PRIOR APPROVED EQUAL	WHITE	RECESSED CEILING	40 W	3500 K	3,300 LUMENS	
B-E	2'X2' LED FLAT PANEL	METALUX FP SERIES, ELITE FLP SERIES, DAY-BRITE 2FXP SERIES, CREE C-TR-FP SERIES, LITHONIA EPANL SERIES, OR PRIOR APPROVED EQUAL	WHITE	RECESSED CEILING	40 W	3500 K	3,300 LUMENS	W/ 1000 LUMEN BATTERY PACK
С	2' LONG WALL MOUNTED RESTROOM LIGHT WITH FROSTED LENS	METALUX BCLED SERIES, COLUMBIA CWM SERIES, LITHONIA WL SERIES, OR PRIOR APPROVED EQUAL	WHITE	SURFACE WALL 6" FROM TOP OF MIRROR TO BOTTOM OF FIXTURE	25 W	3500 K	2,000 LUMENS	
E	4" ROUND DOWNLIGHT	HALO HC4 SERIES, PRESCOLITE LC4 SERIES, CREE SDL4 SERIES, LITHONIA LDN4 SERIES, OR PRIOR APPROVED EQUAL	WHITE TRIM RING WITH SEMI-SPECULAR REFLECTOR	RECESSED CEILING	18 W	3500 K	1,500 LUMENS	
E-E	4" ROUND DOWNLIGHT	HALO HC4 SERIES, PRESCOLITE LC4 SERIES, CREE SDL4 SERIES, LITHONIA LDN4 SERIES, OR PRIOR APPROVED EQUAL	WHITE TRIM RING WITH SEMI-SPECULAR REFLECTOR	RECESSED CEILING	18 W	3500 K	1,500 LUMENS	W/ BATTERY PACK
F	4' LINEAR DIRECT/INDIRECT PENDANT	LITE CONTROL SAE 101 SERIES, CORELITE JAYLUM SERIES, LITHONIA GRD LLP SERIES, OR EQUAL BY CREE	SELECTED BY ARCHITECT	SUSPENDED	50 W	3500 K	3,000 LUMENS DIRECT/ 1,500 LUMENS INDIRECT	
OA-E	EXTERIOR TRAPEZOID WALL PACK	MCGRAW IST SERIES, SPAULDING TRP SERIES, GARDCO 101 SERIES, LITHONIA ARC2 LED SERIES	BRONZE	WALL 10'AFG	40 W	4000 K	4,000 LUMENS	W/ COLD WEATHER RATED EMERGENCY BATTERY PACK
X1	EDGE-LIT EXIT SIGN	SURE-LITES EUX SERIES, DUAL LITE LE SERIES, EVENLITE SOV SERIES, LITHONIA LRP SERIES, OR PRIOR APPROVED EQUAL	GREEN LETTERS	CEILING OR WALL	5 W			SELF-POWERED
X2	EDGE-LIT EXIT SIGN	SURE-LITES EUX SERIES, DUAL LITE LE SERIES, EVENLITE SOV SERIES, LITHONIA LRP SERIES, OR PRIOR APPROVED FOUAL	GREEN LETTERS	CEILING OR WALL	5 W			SELF-POWERED







TELECOM LEGEND

LOW VOLTAGE: \mathbf{n} PROVIDE ROUGH-IN AND WIRING FOR ALL LOW VOLTAGE SYSTEMS. LOW VOLTAGE JUNCTION BOXES SHALL BE LOCATED ADJACENT TO RECEPTACLES AS SHOWN ON DRAWINGS. OTHER DEVICES WHOSE LOCATIONS ARE NOT DEPENDENT ON RECEPTACLE PLACEMENT SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. WALL MTD. DATA, PROVIDE (2) CAT 6 CABLES TO OF, UNO. NUMBER ADVACENT TO 'X' INDICATES NUMBER OF CAT 6 CABLES TO PROVIDE. ∕∕⊳x2∕ CEILING MTD. DATA, PROVIDE (2) CAT & CABLES TO IDF, UNO, NUMBER ADJACENT TO 'X' INDICATES NUMBER OF CAT & CABLES TO PROVIDE. |► X2 CEILING MTD. OR WALL MTD FOR OWNER FURNISHED, CONTRACTOR INSTALLED CAMERAS. PROVIDE $\Box \forall$ CAT 6 CABLE FROM CAMERA LOCATION TO IDF (D) WN CEILING OR WALL MOUNTED WIRELESS ACCESS POINT, PROVIDE (2) CAT 6 CABLES TO IDF. **INTRUSION DETECTION:** KP KEYPAD MD PASSIVE INFRARED MOTION DETECTOR

GENERAL NOTES:

1

- 1. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE (2020), STATE LAWS AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIAL, AND LABOR TO SATISFY A COMPLETE AND WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- 3. THE TELECOM DRAWINGS ARE ONLY PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.

ABBREVIATIONS

A	AMPERES	MB	MAIN BREAKER
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPS
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
AH	AIR HANDLER	MOCP	MAXIMUM OVERCURRENT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	MTD	MOUNTED
A/V	AUDIO/VISUAL	No.	NUMBER
AWG	AMERICAN WIRE GAUGE	NEC	NATIONAL ELECTRIC CODE
BFG	BELOW FINISHED GRADE	NTS	NOT TO SCALE
B.E.	BOTTOM EDGE	RGS	RIGID GALVANIZED STEEL
C.	CONDUIT	RHP	ROOFTOP HEAT PUMP
CU	CONDENSING UNIT	SPD	SURGE PROTECTION DEVICE
DIA.	DIAMETER	TYP	TYPICAL
ECB	ENCLOSED CIRCUIT BREAKER	UNO	UNLESS NOTED OTHERWISE
EF	EXHAUST FAN	V	VOLTAGE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	W	WATTAGE
FACP	FIRE ALARM CONTROL PANEL	W/	WITH
G	GROUND	WH	WATER HEATER
GFI	GROUND-FAULT INTERRUPTING	WP	WEATHER PROOF
HP	HORSE POWER		







DATA ROOM IS APPROXIMATELY 50' PLAN NORTH OF THIS PLAN. THERE IS AN EXISTING JUNCTION BOX AND CONDUIT PATH INTO





FACEPLATES, PATCH PANELS, AND WRAP-AROUNDS ARE TO BE MACHINE MADE AND PERMANENTLY INSTALLED. FACEPLATE LABELS TO BE 3/8" HIGH . (WHITE WITH BLACK LETTERING) PATCH PANEL LABELS TO BE 1/2" HIGH AND COVER FACTORY LABELING. (BLACK WITH WHITE LETTERING) WRAP AROUND LABELS TO 1" HIGH DESIGNED FOR THIS USE. (WHITE WITH BLACK LETTERING)

GENERAL LABELING NOTES:

HAND WRITTEN LABELS ARE NOT ACCEPTABLE.

