



RANDOLPH COUNTY

725 McDowell Road
Asheboro, NC 27205
Tel: (336) 318-6304
Email: Lisa.Garner@randolphcountync.gov

REQUEST FOR BIDS

Bid# 24-0417

Data Cabling for Randolph County Farm, Food & Family Education Center

Issued on: Wednesday, April 17, 2024

Due Date: Thursday, May 23, 2024, at 11:00 A.M. EST

Administered by: Lisa Garner, Purchasing Officer

NOTICE TO VENDORS

Pursuant to General Statutes of North Carolina Section 143-129 as amended, **sealed bids** will be received by the Purchasing Officer for Randolph County from experienced, qualified vendors for the following:

REQUEST FOR BIDS 24-0417
Data Cabling for Randolph County Farm, Food & Family Education Center
located at 1800 HWY. 64 East, Asheboro, NC 27203

Proposals will be accepted until **Thursday, May 23, 2024, at 11:00 A.M. EST** by the Purchasing Department. Proposal may be mailed or brought to the public proposal opening prior to 11:00 A.M. bid opening on May 23, 2024. Complete specifications and instructions are attached herewith.

Faxed or emailed bids will not be accepted.

Bid documents may be downloaded at <https://vrapp.vendorregistry.com/Bids/View/BidsList?BuyerId=69519dd2-b918-4884-b3d3-1bdd7edfec73>.

Proposals shall be submitted on the standard forms furnished by the County and shall be submitted in a sealed envelope identifying the bidder's name and the bid number on the face of the envelope.

Submission of any bid signifies the Vendor's agreement that its' bid and the content thereof are valid for 60 days (two months) following the submission deadline and will become part of the contract that is negotiated between Randolph County and the successful vendor. All prices submitted with the proposal shall remain in effect for the 60-day period.

Award of this bid will be contingent upon approval by the Randolph County Board of Commissioners.

Randolph County reserves the right to award and/or reject any and/or all bids and waive any technicalities or irregularities. This contract will not be awarded solely on the basis of cost. Rather the contract for this project will be awarded to the lowest responsible, responsive bidder, taking into consideration quality, performance, and the time specified in the bid for the performance of the contract.

Sincerely,

Lisa T. Garner

Lisa T. Garner
Purchasing Officer
Randolph County

Introduction/Overview:

Randolph County is seeking bids for the purchase and installation of Data Cabling for our Farm, Food & Family Education Center (F3EC). This will consist of copper and fiber optic cabling and any associated components as required for installation.

The F3EC center is currently under construction at 1800 HWY 64, East, Asheboro, NC 27203 with completion expected in February 2025. This facility will be a complex consisting of two main buildings and two ancillary structures. One building will consist primarily of offices, training spaces, kitchen, and retail areas. The other will house a convention center, enclosed arena, and concession area. The ancillary structures will provide for equipment storage, and a greenhouse for horticulture purposes.

Scope of Work:

- Provide and install- 110 dual Category 6 data outlets.
- Provide and install- 53 single Category 6 data outlets.
- Provide and install- 12 strand SM Fiber Optic between Food & Family Center Rm# 1402 and Training & Event Center Rm# T103 (approximately 1200 feet)
- Provide and install- 12 strand MM OM3 Fiber Optic between Food & Family Center Rm# 1402 and Training & Event Center Rm# T103 (approximately 1200 feet)
- Provide and install- 12 strand MM OM3 Fiber Optic between Training & Event Center Rm# T103 to Equipment Storage Building wall-mount rack (approximately 450 feet)
- Provide and install- 2 aluminum relay racks, (7'x19") black in color for Rm# 1402
- Provide and install- 2 aluminum relay racks, (7'x19") black in color for Rm# T103
- Provide and install- 1 wall mount relay rack for Equipment Storage Building
- Provide and install patch panels, jacks, faceplates, fiber boxes, cable management, ladder racking, and any other related components for cable installation.
- Provide and install "J-hooks" (Black in color) for cable support on all pathways.
- All Category 6 UTP wiring should be plenum rated, and black in jacket color.
- Any Fiber Optic cables should be plenum rated and black in color if exposed in open ceiling space areas.
- Faceplates will be stainless steel unless the outlet is specified as weatherproof, or otherwise per the architectural drawings.
- Data jack color should coordinate with electrical receptacle color.
- Test all fiber and copper cables for performance and provide test results via paper, and electronic copy.
- All outlets should be labeled according to customer specifications.
- Provide manufacturer's warranty coverage for all cabling installed under this project.

***Suggested Materials:**

- Commscope Category 6, plenum rated network cabling, black in color.
- Commscope Category 6 jacks and patch panels for cable terminations.
- Corning Fiber Optic cable.
- Corning Rack-mount fiber boxes and termination kits.
- Plenum rated cable ties and cable supports as required, black in color.

- Miscellaneous hardware and fire caulking as required.

*These are suggested materials. We will entertain materials and parts from other manufacturers or suppliers. Substituted materials or parts must be equivalent to those specified in this RFP. Any proposals containing substituted parts or materials must also contain necessary documentation showing equivalency in quality, performance, warranty, and industry standards. Any variance from the specifications must be clearly pointed out in writing by the bidder on the Exception Form (page 11).

Deliverables:

- Cabling Manufacturer's Warranty Documentation
- Cable performance test results (paper and electronic copy)
- "As-Built" document, a blueprint showing each installed data location.

Standards:

- TIA/EIA-568-B.2-1
- ANSI/TIA-607-C-1

Contractor Requirements:

- Must have sufficient liability insurance, proof of insurance must be provided.
- This project is not re-assignable, all work activities should be performed by the selected company and its direct employees.
- Must be respectful and professional when on-site.
- Must maintain a neat work area and promptly remove any trash or debris generated during the project.
- Must identify a single point of contact or Project Manager for the duration of the engagement.
- Must attend construction meetings held by the general contractor.
- Must adhere to the construction schedule as established by the general contractor.

Site Conditions & Availability:

- Work will be conducted in and around a typical construction environment.
- Work will be conducted during hours established by the General Contractor. Any work outside of normal established hours must be coordinated with the General Contractor.
- Any personal safety equipment identified by the General Contractor must be worn as instructed by the General Contractor when on-site.
- Proper identification must always be worn when on premises.
- Parking, loading, and unloading areas will be made available.

Intent of this RFB

This Request for Bids (RFB) is intended to provide vendors with a common, uniform set of specifications to assist them in the development of their bids and to provide a uniform method for the County to fairly evaluate bids and subsequently select a vendor.

In responding to this RFB, vendors should follow the prescribed format and use the forms included, thus providing the County with data that is easily compared with data submitted by other vendors to evaluate the proposals fairly and objectively.

The County assumes no responsibility for conclusions or interpretations derived from the information presented in this RFB, or otherwise distributed or made available during this procurement process. In addition, the County will not be bound by or be responsible for any explanation, interpretation, or conclusions of this RFB or any documents provided by the County other than those given in writing by the County through the issuance of addenda. In no event may a vendor rely on any oral statement by the County or its' agents, advisors, or consultants. It is the full responsibility of the vendor to thoroughly investigate the needs/requirements of the County not necessarily assumed in this RFB.

General

A. It is the intent and purpose of these specifications to describe in sufficient detail information to secure bids. All materials which are necessary to provide a complete project, ready for operation, shall be included in the bid and shall conform in strength, quality of workmanship and material to that which is usually provided by the trade in general. Any variance from the specifications must be clearly pointed out in writing by the bidder on the Exception Form **(page 11)**.

B. New and Unused:

All equipment, parts and material shall be new, unused, the manufacturer's current model and in current production. All materials shall have physical and chemical properties to withstand the intended service. Equipment design shall have sufficient excess capacity for durability and safety.

C. Best Modern Practices:

All work, including design, shall be performed, and completed in accordance with the best modern practices, further, no detail necessary for safe and regular operation shall be omitted, although specific mention thereof may not be made in these specifications.

D. Exceptions:

Specifications of the equipment bid shall be equal to or better than the specifications stated herein and all exceptions to these specifications shall be listed on Appendix A – Exception Form. Any Bid submitted without exceptions will be required to meet every detail of these specifications regardless of cost to the successful vendor. Where "NO EXCEPTIONS" are shown, none will be allowed. No exceptions will be considered that may tend to devalue the equipment or give an individual bidder who is offering a lesser item a distinct advantage.

E. Right to Award:

Randolph County reserves the right to make a contract award on all groups of materials listed on the bid form or award based on any group or based on any combinations of groups.

F. Right to Reject/Accept:

Randolph County reserves the right to reject any or all bids or accept any presented which meet or exceed these specifications, and which would be in the best interest of the County and will not necessarily be bound to accept the low bid.

G. Bid Evaluation:

Evaluation of bids shall be based on cost, past experience with proposed manufacturer's service availability, parts availability, ability to meet project installation and completion dates, equipment design and functionalism and effect on productivity and vendor's supporting documentation.

H. Payments:

Vendor is to submit properly completed invoice(s) to **Randolph County Information Technology Office, 725 McDowell Road, Asheboro, NC 27205**. To ensure prompt payment, each invoice should cite purchase order number and include the vendor's name and return remittance address. Payment will be mailed within thirty (30) days of (a) the receipt and acceptance of the work, (b) properly completed invoice, and (c) all papers required to be delivered with equipment.

Issuing Office and Inquiries

This Request for Bids (RFB) is issued by Randolph County Purchasing Office on behalf of Randolph County. Any inquiries, clarifications, or interpretations regarding this RFB should be directed in writing to:

Lisa Garner
Purchasing Officer
Randolph County Administration
725 McDowell Road
Asheboro, NC 27205
(336) 318-6304
Lisa.Garner@randolphcountync.gov

Responses to inquiries that affect the content of this RFB will be provided in writing to all recipients of the RFB through an addendum that will be posted on the County website, <https://vrapp.vendorregistry.com/Bids/View/BidsList?BuyerId=69519dd2-b918-4884-b3d3-1bdd7edfec73>. It is the responsibility of each vendor to inquire about any aspect of the RFB that is not fully understood or is believed to be susceptible to more than one interpretation. The County will accept only written inquiries regarding this RFB until **Thursday, May 23, 2014, at 11:00 A.M.** All times listed are understood to be Eastern Standard Time unless otherwise noted. The County's interpretation of the RFB shall be controlling in all cases.

Important Dates

Issue Date:	Wednesday, April 17, 2024
Final Date for Written Questions:	Friday, April 26, 2024, at 5:00 P.M. EST
Final Date for Addenda Posting:	Friday, May 3, 2024, at 5:00 P.M. EST
Bid Opening	Thursday, May 23, 2024, at 11:00 A.M. EST
Bid Opening Location	725 McDowell Rd., 1 st Floor, Meeting Room A, Asheboro, NC 27205
Anticipated Award Date (tentative):	June 2024

Trade or Brand Name

When a trade or brand name for a particular article or object is specified, it is meant only as a reference for standard and any other manufacturer of a similar article or object may meet the specifications if their product is reasonably equivalent or better than that mentioned as the standard. Any variance from the specifications must be clearly pointed out in writing by the bidder on the Exception Form **(page 11)**.

Submission of Bids

Proposals must be presented on the bid/specification forms attached to this RFB in a **sealed envelope** and **mailed or delivered** to:

Lisa Garner
Purchasing Officer
Randolph County Administration
725 McDowell Road
Asheboro, NC 27205

The package shall be plainly marked, “**SEALED BID FOR DATA CABLING.**”

Any bid submitted on forms other than the Randolph County bid form may be disqualified. TELEPHONE BIDS AND/OR FAXED BIDS **CANNOT** BE ACCEPTED. All bids submitted must be typed or written in ink and signed by the bidder’s designated representative.

Vendors must submit **one (1) original and (1) digital copy** of the bid.

No responsibility shall be attached to the County for the premature opening of any bid proposal not properly addressed or identified.

Proposals will be publicly opened at **11:00 A.M. on Thursday, May 23, 2024**, in Meeting Room A, 1st Floor, Randolph County Office Building at 725 McDowell Road, Asheboro, NC. To be considered for selection, bids must be received by the date, time and place previously outlined. The bidding process will be considered closed at **11:00 A.M.** on Thursday, May 24, 2024. Failure to meet this deadline will disqualify the bidder. Randolph County is not responsible for, nor will any allowances be made for bids received after this time and date for any reason, e.g., carrier delays.

Addenda

Any addenda to these documents shall be posted on the County's website at <https://vrapp.vendorregistry.com/Bids/View/BidsList?BuyerId=69519dd2-b918-4884-b3d3-1bdd7edfec73> and will become part of this RFB and the contract. No oral statements, explanations, or commitments by anyone shall be of any effect unless incorporated into the addenda. It is the responsibility of the Vendor to periodically check the County's website before submitting a bid to obtain any addenda that has been issued.

Content of Bid

Vendors shall not be allowed to submit additional documentation once bids are opened. Care should be taken to ensure that the information provided is accurate, complete, and consistent. Omission of any of the required information may subject the Vendor to disqualification.

Bid Pricing

All bid prices shall be complete and include warranty and delivery of the completed project to this Agency. The **Bid Form (pages 10 - 12)** shall be used for the purpose of providing these prices. All bid prices and conditions must be specified on the **Bid Form**. Bid prices shall be valid for at least 60 days from the date of the Bid Opening, or as otherwise specified on the **Bid Form**.

Bid Withdrawal

If the Vendor desires to withdraw his bid, he must submit in writing to the Purchasing Office before the bid opening deadline his purpose for withdrawal. After the bid opening deadline, bids shall only be withdrawn in accordance with N.C.G.S. Section 143-129.1.

Bids Property of County

All bids submitted in response to this RFB become the property of the County once they are opened. Supporting technical manuals will be returned at the written request of the bidder. All submitted proposals and supporting material are a matter of public record.

Rejection of Bid

The County reserves the right to reject any or all bids, with or without cause, and to waive informalities when such rejection is in the interest of the County. Randolph County also reserves the right to reject the bid of a vendor who has previously failed to perform properly or complete on-time a contract of similar nature.

Disqualification of Vendors

However, more than one bid from an individual, firm, partnership, corporation, or association under a different name or names **shall not** be considered. Any or all bids shall be rejected if there is reason to believe that collusion exists among the Vendors. In this situation, all participants in such collusion shall not be considered for the current or future bids for the same work. No contract shall be awarded except to competent vendors capable of performing the class of work contemplated.

Award

The award of this bid will not be based solely on the lowest price. The award will be based and granted on “**BEST VALUE.**” “**BEST VALUE**” will allow Randolph County to consider factors beyond pricing such as whether the responsible Vendor is able to meet and/or exceed the required specifications as well as meet the required completed project requirements. “**BEST VALUE**” will permit and reflect prudent stewardship of public funds and trust.

Notification of Award

After all prerequisites and specifications have been met by the bidder and the award for this purchase is made, the successful bidder will be notified within ten (10) working days. Randolph County will notify the successful bidder in **writing**, either by a LETTER TO PROCEED or a PURCHASE ORDER or both.

Non-Collusion

By executing and submitting this bid, the Vendor certifies that his bid is made without reference to any other bid and without any agreement, understanding, collusion or combination with any other person in reference to such bidding. As evidence this specification is being followed, the **Anti-Collusion Affidavit (page 13)** shall be completed and included in the RFB.

Minority Business Enterprise

It is the policy of Randolph County to take affirmative action to ensure that minority business enterprises are given the opportunity to demonstrate their ability to provide the County with goods and services at competitive prices.

Indemnification

The successful bidder shall hold the County, to include all Board members and employees, harmless from all liabilities, obligations, losses, claims, damages, actions, suits, proceedings, costs, expenses, including attorneys’ fees, that:

- a) Arise out of, are connected with, or result directly or indirectly from the successful bidder’s failure to perform any of its obligations under this request for bids; or
- b) Are a result of a breach of any of the successful bidder’s warranties. No indemnification responsibilities created by this section shall survive and be enforceable after the contract between the County and the successful bidder terminates or expires, and they shall be terminated only by written agreement of the successful bidder and the County.

BID FORM

Bid # **24-0417**

Date: _____

VENDOR _____

ADDRESS _____

BIDS WILL BE RECEIVED

UNTIL 11:00 a.m., Thursday, May 24, 2024

BID OPENING 11:00 a.m.

TO BIDDER:

PLEASE QUOTE YOUR LOWEST PRICE, BEST DELIVERY DATE AND PAYMENT DISCOUNT TERMS FOR THE FOLLOWING. THE COUNTY RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS AND TO ACCEPT ANY OR ALL ITEMS AT THE PRICE QUOTED.

Quantity	Item	Description	Total
	Network Cabling	Total price (labor and materials) for installing network cabling and related components. (Commscope Cat6 with manufacturer warranty)	\$
	Fiber Optic Cabling	Total price (labor and materials) for installing fiber optic cabling and related components. (Corning with manufacturer warranty)	\$
	Miscellaneous	Supporting components/materials	\$
	Tax		\$
		TOTAL	\$

Bid Form Cont'd

Addenda Acknowledgements (if applicable)

Each Proposer is responsible for determining that all addenda issued have been received before submitting a proposal.

Addenda	Date Issued	Date Proposer Received
"A"		
"B"		
"C"		

Exception Form

Explanation

**** May add additional pages if necessary**

Bid Form Cont'd

List Three References:

Company Name	Contact Name	Contact Phone Number

**** Must submit a copy of cabling manufacturers installer certificate ****

**** Must submit a copy of certificate of insurance ****

Signature

Print Name

Title

Company

Address

Email

Phone

Date

ANTI-COLLUSION AFFIDAVIT
STATE OF NORTH CAROLINA
RANDOLPH COUNTY

_____ being first duly sworn deposes and affirms that:

1. He/She is the _____ of _____ the bidder that has submitted the attached bid;
2. He/She is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;
3. Such bid is genuine and is not a collusive or sham bid;
4. Neither the said bidder, nor any of its officers, partners, owners agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix any overhead, profit, or cost element of the bid price of any other bidder to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against Randolph County, or any person interested in the proposed contract; and
5. The price or prices quoted in the attached bid are fair and proper and are not contained by any collusion, conspiracy, connivance, or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties, in interest, including this affiant.

Title

Signature

Date

Phone

Email

(SEAL)

Subscribed and sworn to before me,
this the _____ day of _____, 20____.

Notary Public _____

County of _____, NC. My Commission expires _____

STATE OF NORTH CAROLINA

AFFIDAVIT

COUNTY OF RANDOLPH

I, _____ (the individual attesting below), being duly authorized by and on behalf of _____ (the entity contracting with Randolph County hereinafter "Employer") after first being duly sworn hereby swears or affirms as follows:

- 1. Employer understands that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25(5).
- 2. Employer understands that Employers Must Use E-Verify. Each employer, if employing 25 or more employees in this State, after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with NCGS§64-26(a).
- 3. Employer is a person, business entity, or other organization that transacts business in this State and that employs 25 or more employees in this State. (mark Yes or No)
 - a. YES _____, or
 - b. NO _____
- 4. Employer's subcontractors comply with E-Verify, and Employer will ensure compliance with E-Verify by any subcontractors subsequently hired by Employer during the term of its contract with Randolph County. This ____ day of _____, 20____.

Signature of Affiant
Print or Type Name: _____

State of _____ County of _____

Signed and sworn to (or affirmed) before me, this the ____
day of _____, 20____.

My Commission Expires: _____

Notary Public

(Affix Official/Notarial Seal)

PROPOSAL REQUIREMENTS

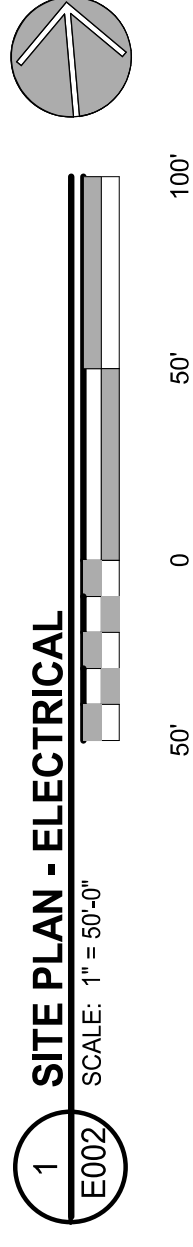
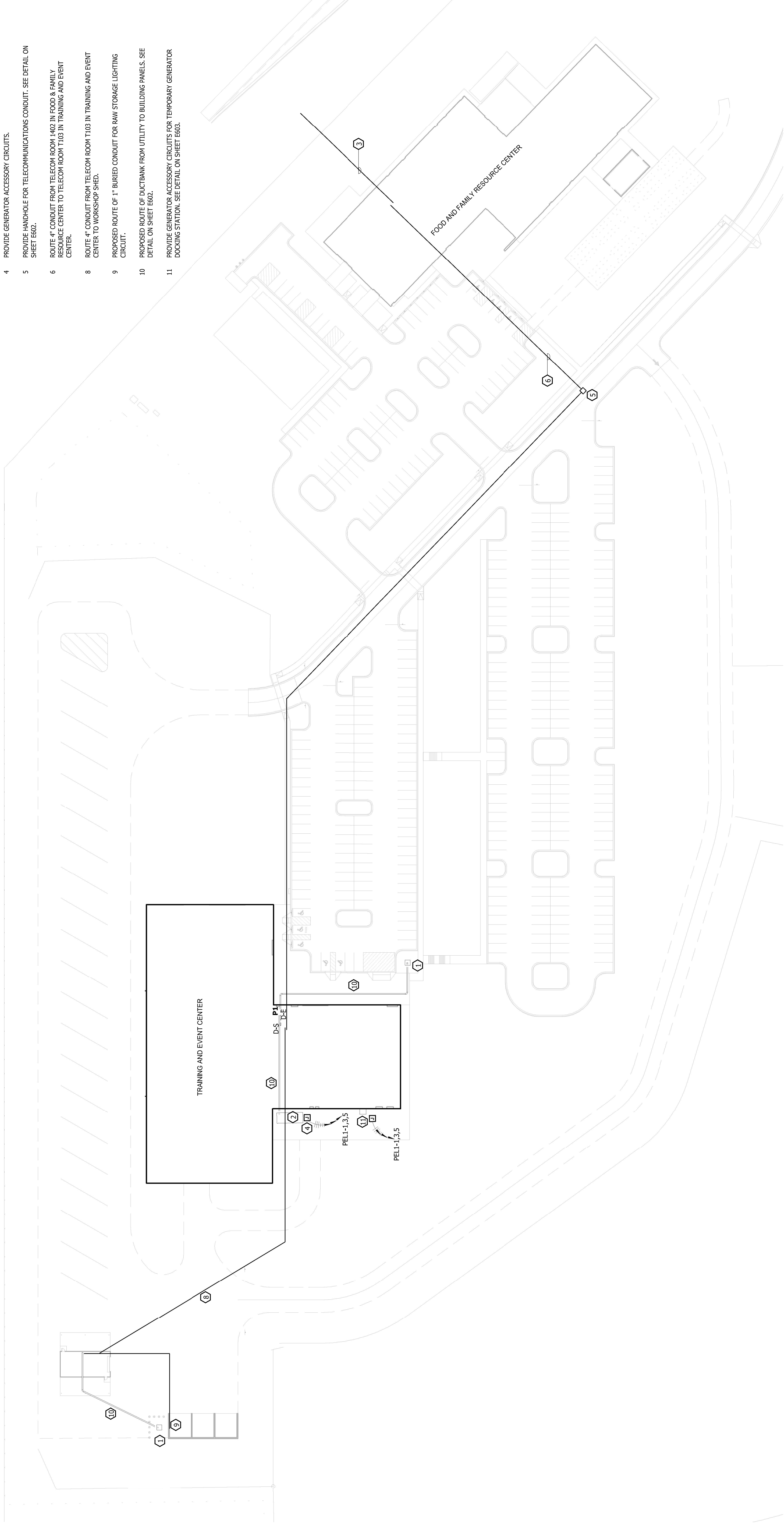
The below forms and responses must be complete and included with all copies of proposals to be considered compliant with RFP:

- Bid Form, pages 10 - 12
- Anti-Collusion Affidavit, signed and notarized
- E-Verify Affidavit, signed and notarized
- Cabling manufacturers installer certificate
- Certificate of Insurance

Salas O'Brien
1620 Midtown Place
Raleigh, NC 27609
919-832-8118
salasobrien.com
license (NO): F-1434

KEY NOTES TO E002

- 1 PROPOSED LOCATION OF UTILITY TRANSFORMER, BY OTHERS. PROVIDE PAD PER UTILITY REQUIREMENTS.
- 2 PROPOSED LOCATION OF GENERATOR.
- 3 PROVIDE 4" CONDUIT FOR TELECOMMUNICATIONS SERVICE. COORDINATE EXACT ROUTE WITH UTILITY COMPANY.
- 4 PROVIDE GENERATOR ACCESSORY CIRCUITS.
- 5 PROVIDE HANDHOLE FOR TELECOMMUNICATIONS CONDUIT. SEE DETAIL ON SHEET E602.
- 6 ROUTE 4" CONDUIT FROM TELECOM ROOM 1402 IN FOOD & FAMILY RESOURCE CENTER TO TELECOM ROOM T103 IN TRAINING AND EVENT CENTER.
- 8 ROUTE 4" CONDUIT FROM TELECOM ROOM T103 IN TRAINING AND EVENT CENTER TO WORKSHOP SHED.
- 9 PROPOSED ROUTE OF 1" BURIED CONDUIT FOR RAW STORAGE LIGHTING CIRCUIT.
- 10 PROPOSED ROUTE OF DUCTBANK FROM UTILITY TO BUILDING PANELS. SEE DETAIL ON SHEET E602.
- 11 PROVIDE GENERATOR ACCESSORY CIRCUITS FOR TEMPORARY GENERATOR DOCKING STATION. SEE DETAIL ON SHEET E603.



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 50 Project No: 2022-01349
 Plot Time: 11/16/2023 2:35:33 PM
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SITE PLAN

SHEET

CONSTRUCTION

ISSUED FOR

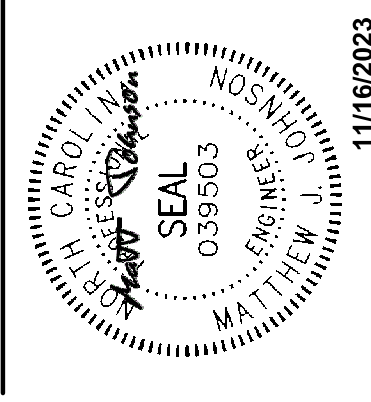
11/17/2023

DATE ISSUED

22-004

JOB NUMBER

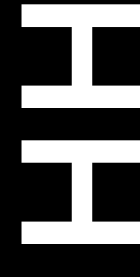
NO.	REVISION	DATE
3	IVE/PC	11/17/23



11/16/2023

F3EC - TRAINING AND EVENT CENTER
 RANDOLPH COUNTY
 1800 US HWY 64 E, ASHEBORO, NC 27203
 22-004

ARCHITECTURE
 1100 Dresser Court
 Raleigh, NC 27609
 Office 919.826.2301
 Email office@hh-arch.com

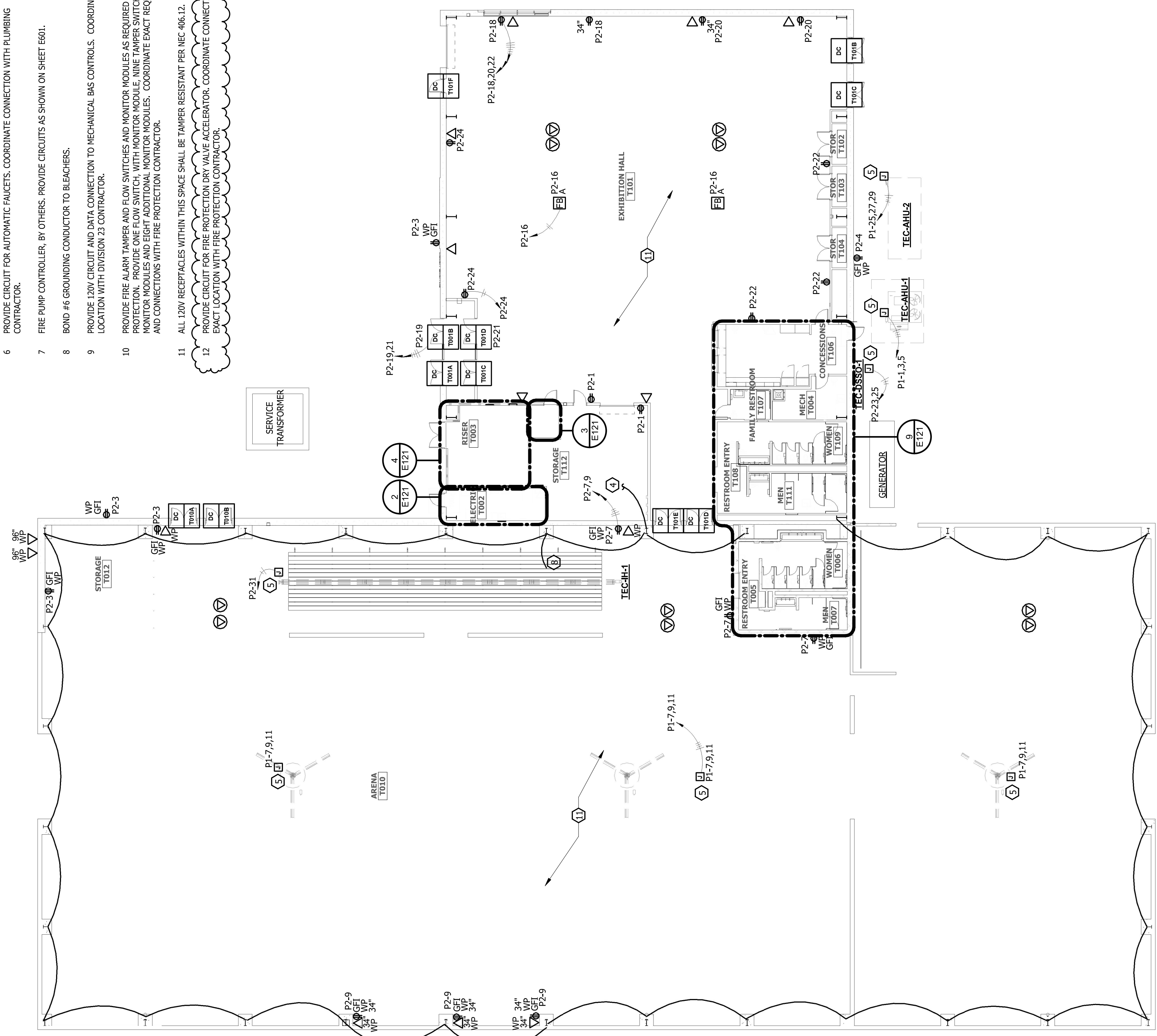
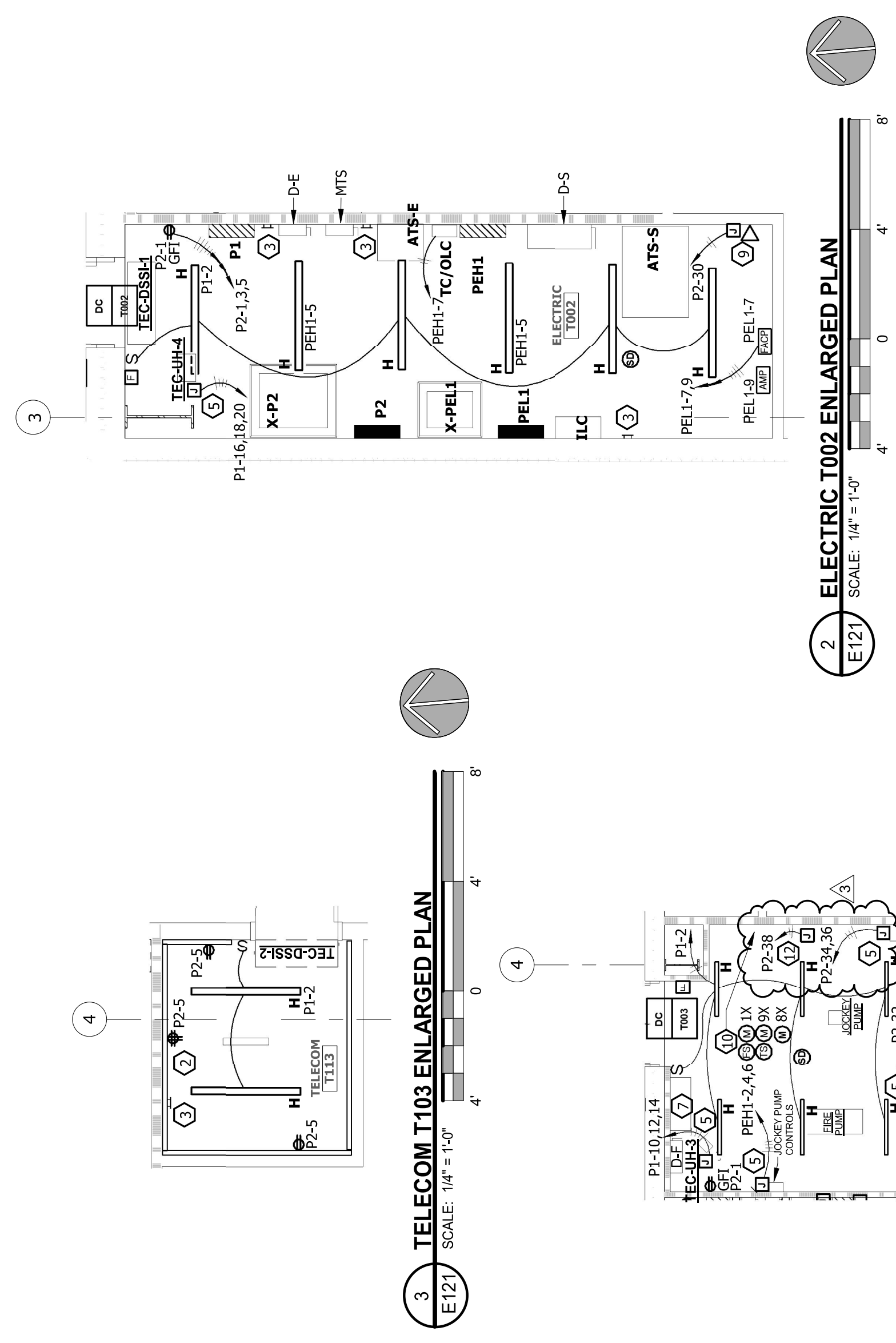


E002

KEY NOTES TO E121

- 1 PROVIDE RECEPTACLES AND CIRCUITS FOR ELECTRIC WATER COOLER. SEE DETAIL ON SHEET E302.
- 2 MOUNT 3/4" THICK FIRE RATED PLYWOOD TO 8" AFF ON ALL FOUR WALLS. PAINT FLAT WHITE LEAVING FIRE RATING LABELS VISIBLE.
- 3 PROVIDE GROUNDING BAR. SEE DETAIL ON SHEET E302.
- 4 #6 GROUNDING CONDUCTOR BACK TO BUILDING MAIN GROUND BUS BAR. BOND ALL COLUMNS IN AREA IN A CONTINUOUS MANNER AS SHOWN. ALL METALLIC EQUIPMENT ACCESSIBLE TO LIVESTOCK SHALL ALSO BE BONDED PER NEC 97.116.
- 5 PROVIDE CIRCUIT AND CONNECT TO DISCONNECTING MEANS OF EQUIPMENT PROVIDED BY OTHER TRADES.
- 6 PROVIDE CIRCUIT FOR AUTOMATIC FAUCETS. COORDINATE CONNECTION WITH PLUMBING CONTRACTOR.
- 7 FIRE PUMP CONTROLLER, BY OTHERS. PROVIDE CIRCUITS AS SHOWN ON SHEET E601.
- 8 BOND #6 GROUNDING CONDUCTOR TO BLEACHERS.
- 9 LOCATE 120V CIRCUIT AND DATA CONNECTION TO MECHANICAL BAS CONTROLS. COORDINATE LOCATION WITH DIVISION 23 CONTRACTOR.
- 10 PROVIDE FIRE ALARM TAMPERS AND SLOW SWITCHES AND MONITOR MODULES AS REQUIRED FOR FIRE PROTECTION CONTRACTOR. PROVIDE FIRE ALARM TAMPERS AND SLOW SWITCHES AND MONITOR MODULES AND COORDINATE EXACT REQUIREMENTS AND CONNECTIONS WITH FIRE PROTECTION CONTRACTOR.
- 11 ALL 120V RECEPTACLES WITHIN THIS SPACE SHALL BE TAMPER RESISTANT PER NEC 406.12.
- 12 PROVIDE CIRCUIT FOR FIRE PROTECTION DRY VALVE ACCELERATOR. COORDINATE CONNECTION AND EXACT LOCATION WITH FIRE PROTECTION CONTRACTOR.

ALL 120V RECEPTACLES WITHIN THIS SPACE SHALL BE TAMPER RESISTANT PER NEC 406.12.
 PROVIDE CIRCUIT FOR FIRE PROTECTION DRY VALVE ACCELERATOR. COORDINATE CONNECTION AND EXACT LOCATION WITH FIRE PROTECTION CONTRACTOR.



KEYPLAN

WORKSHOPS & RAW STORAGE

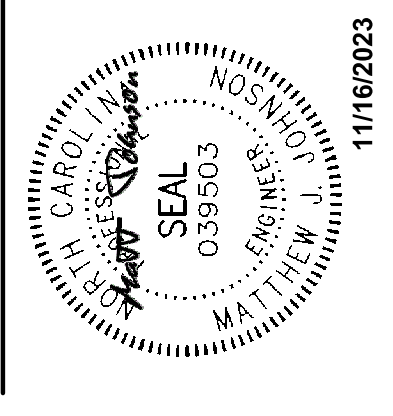
TRAINING AND EVENT CENTER

PARTITION SCHEDULE

1 HOUR RATED PARTITION

1 TRAINING AND EVENT CENTER - FLOOR PLAN - POWER
 E121 SCALE: 1/16" = 1'-0"

F3EC - TRAINING AND EVENT CENTER
 RANDOLPH COUNTY
 1800 US HWY 64 E, ASHEBORO, NC 27203



NO.	REVISION	DATE
3	REV/PC	11/17/23

JOB NUMBER
22-004

DATE ISSUED
11/17/2023

PROJECT STATUS
ISSUED FOR CONSTRUCTION

SHEET

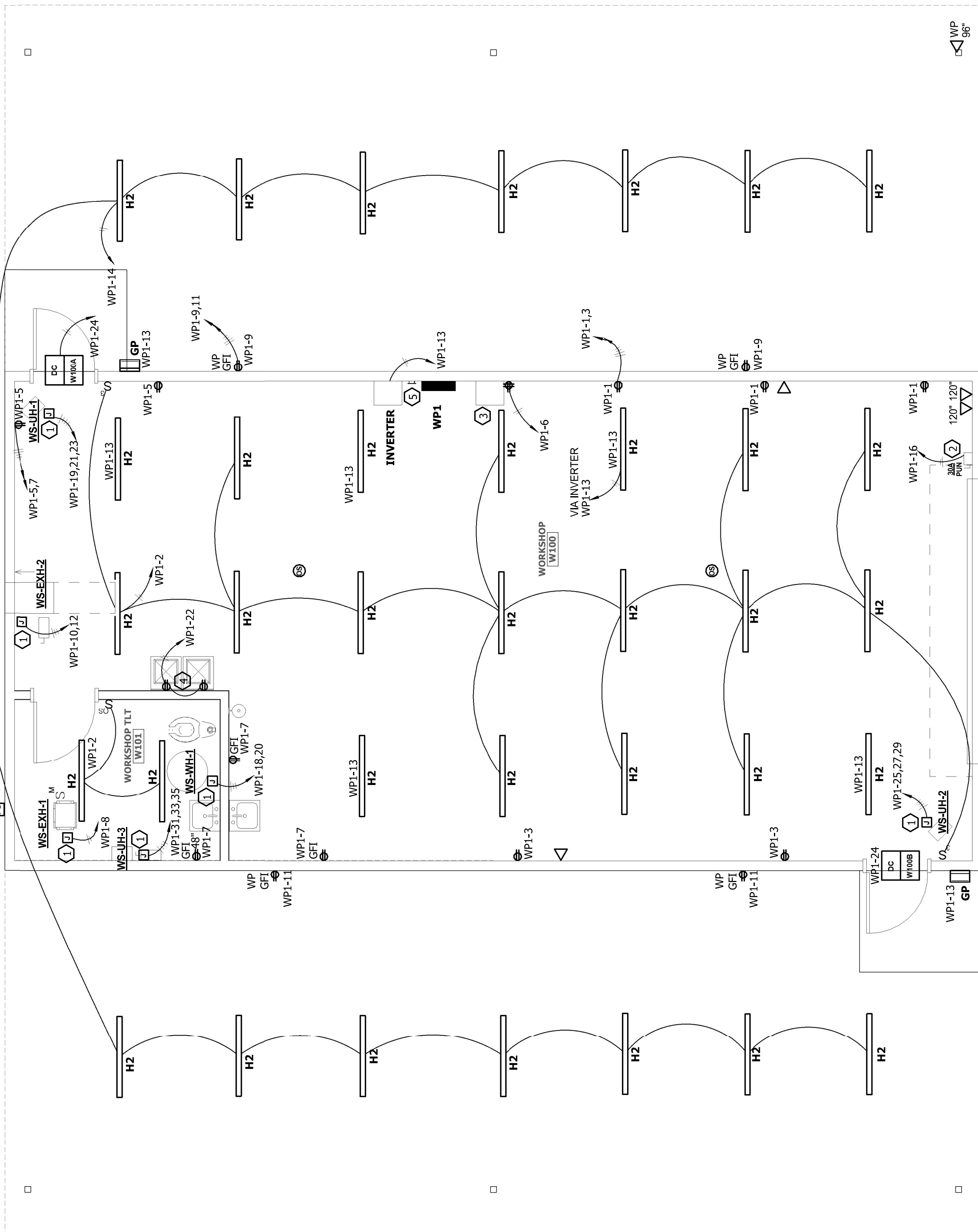
TRAINING AND EVENT CENTER - FLOOR PLAN - POWER

E121

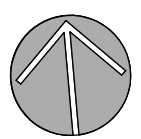
Copyright © 2023, Stamford White, Inc. All rights reserved. Project No: 2022-01319
 50 Plot Title: 11/16/2023 2:59:59 PM These drawings are the property of the Architect, P.A. They may not be used for any purpose without written permission. Copyright 2022 by HH Architecture, P.A. All rights reserved.

KEY NOTES TO E131

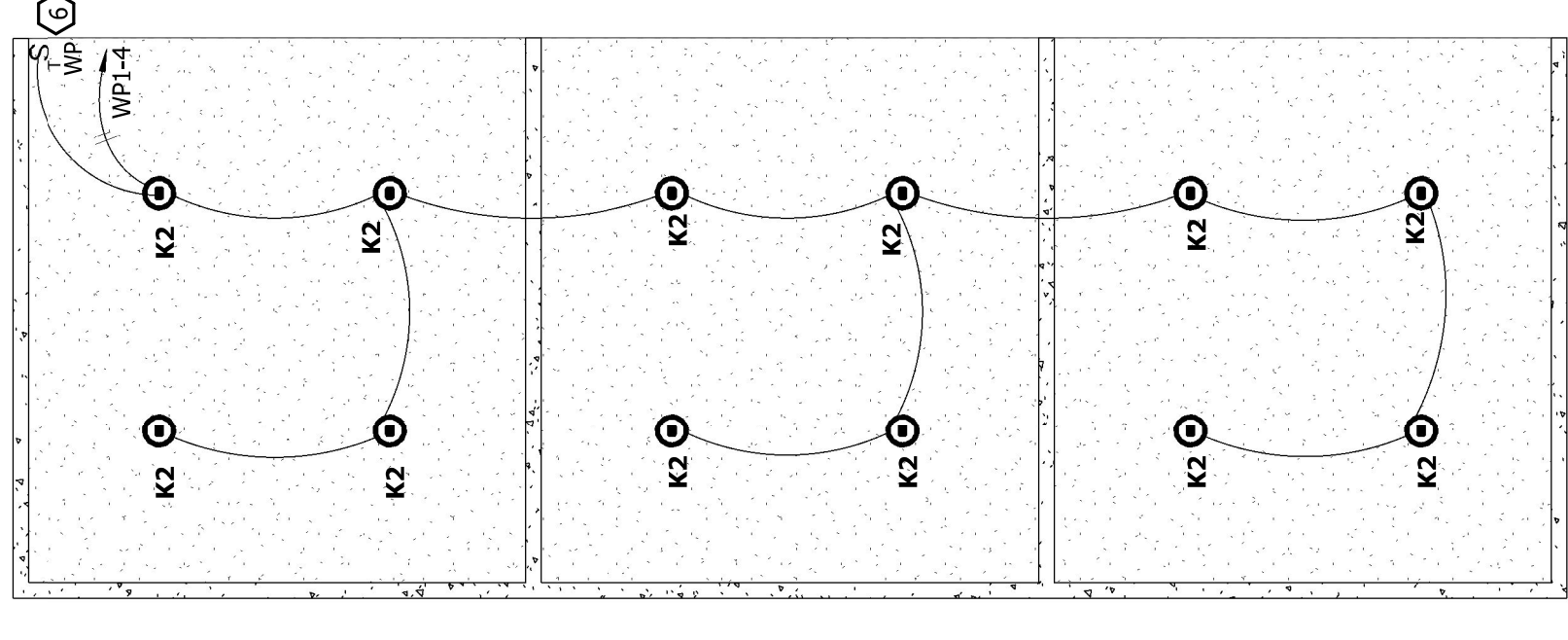
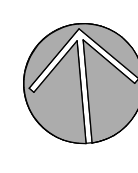
- 1 PROVIDE CIRCUIT AND CONNECT TO DISCONNECTING MEANS OF EQUIPMENT PROVIDED BY OTHER TRADES.
- 2 PROVIDE DISCONNECT FOR OVERHEAD DOOR. COORDINATE LOCATION WITH OVERHEAD DOOR PROVIDER.
- 3 PROPOSED LOCATION OF WALL MOUNTED TELECOM RACK AND FIBER OPTIC CABLE TERMINATION. COORDINATE EXACT LOCATION WITH OWNER.
- 4 PROVIDE CIRCUITS FOR EVC. SEE DETAIL ON SHEET E302.
- 5 PROVIDE GROUNDING BAR. SEE DETAIL ON SHEET E302.
- 6 PROVIDE 60-MINUTE TIMER SWITCH WITH WEATHERPROOF BOX & COVER.



1 WORKSHOP/SHED - OVERALL PLAN
 SCALE: 1/4" = 1'-0"



2 RAW STORAGE
 SCALE: 1/8" = 1'-0"



APPENDIX B
 2018 BUILDING CODE SUMMARY
 FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN
 ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

- Method of Compliance: Prescriptive Performance
 Energy Code: ASHRAE 90.1 ASHRAE 90.1-Performance
 Lighting schedule (each fixture type)
 lamp type required in fixture: See fixture schedule
 number of lamps in fixture: See fixture schedule
 ballast type used in the fixture: See fixture schedule
 number of ballasts in fixture: See fixture schedule
 total wattage per fixture: 1386 VA vs. 2316 VA
 (whole building or space by space) allowed: 470 VA vs. 600 VA
 total exterior wattage specified vs. allowed:
 Additional Efficiency Package Options
 (When using the 2018 NEC; not required for ASHRAE 90.1)
 C406.2 More Efficient Mechanical Equipment
 C406.3 Reduced Lighting Power Density
 C406.4 Reduced Energy for Digital Signage Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating

WORKSHOP/SHED AND RAW STORAGE

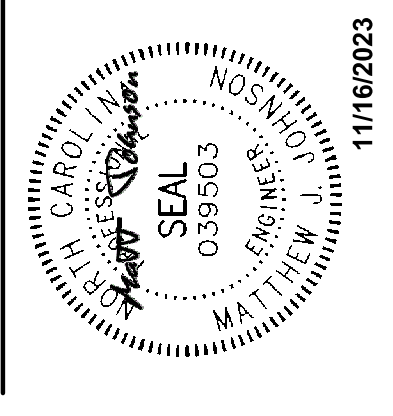
KEYPLAN

WORKSHOP/SHED & RAW STORAGE

TRAINED AND TESTED CENTER

PARTITION SCHEDULE
 1 HOUR RATED PARTITION

WORKSHOP/SHED & RAW STORAGE - OVERALL PLANS



NO.	REVISION	DATE
3	REV/PC	11/17/23

JOB NUMBER
22-004

DATE ISSUED
11/17/2023

PROJECT STATUS
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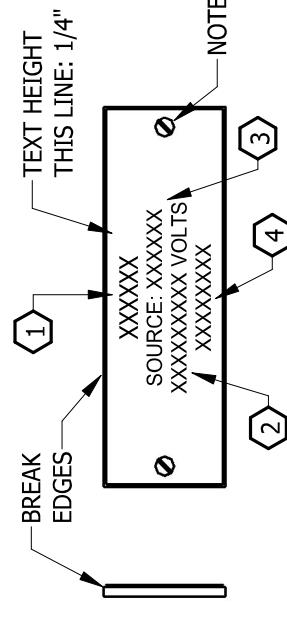
SHEET

GENERAL NOTES:

- INSTALL NEW LABELS ON ALL PROJECT EQUIPMENT (PANELBOARDS, ENCLOSED BREAKERS, DISCONNECTS, TRANSFORMERS).
- CONSTRUCT LABELS FROM 2 COLOR PLASTIC LAMINATE. DIMENSIONS ARE 5" WIDE X 1 1/2" HIGH. TEXT HEIGHT IS 3/16", EXCEPT AS NOTED OTHERWISE.
- LABEL COLORS ARE TO BE SELECTED FROM THE FOLLOWING CHOICES:
 NORMAL SYSTEM: BLACK BACKGROUND/WHITE LETTERS
 EMERGENCY: GREEN BACKGROUND/WHITE LETTERS
 OPTIONAL STANDBY: YELLOW BACKGROUND/BLACK LETTERS
- SECURE TO TOP CENTER OF EQUIPMENT COVER WITH #4-40 STAINLESS STEEL SCREWS WITH MATCHING NUTS AND LOCKWASHERS. USE OF ADHESIVES TO SECURE LABEL TO EQUIPMENT IS NOT ACCEPTABLE.

KEYED NOTES:

- INSERT EQUIPMENT DESIGNATION WHERE X'S ARE INDICATED.
- INSERT VOLTAGE WHERE X'S ARE INDICATED. POSSIBLE VOLTAGES ARE:
 *480V/277"
 *208V/120"
 *480: 208V/120"
- INSERT SUPPLY SYSTEM SOURCE DESIGNATION HERE. CHOICES ARE:
 "NORMAL POWER"
 "EMERGENCY"
 "OPTIONAL STANDBY"



7 EQUIPMENT LABEL
E301 SCALE: NTS

SW DETAIL: LA0003 R1

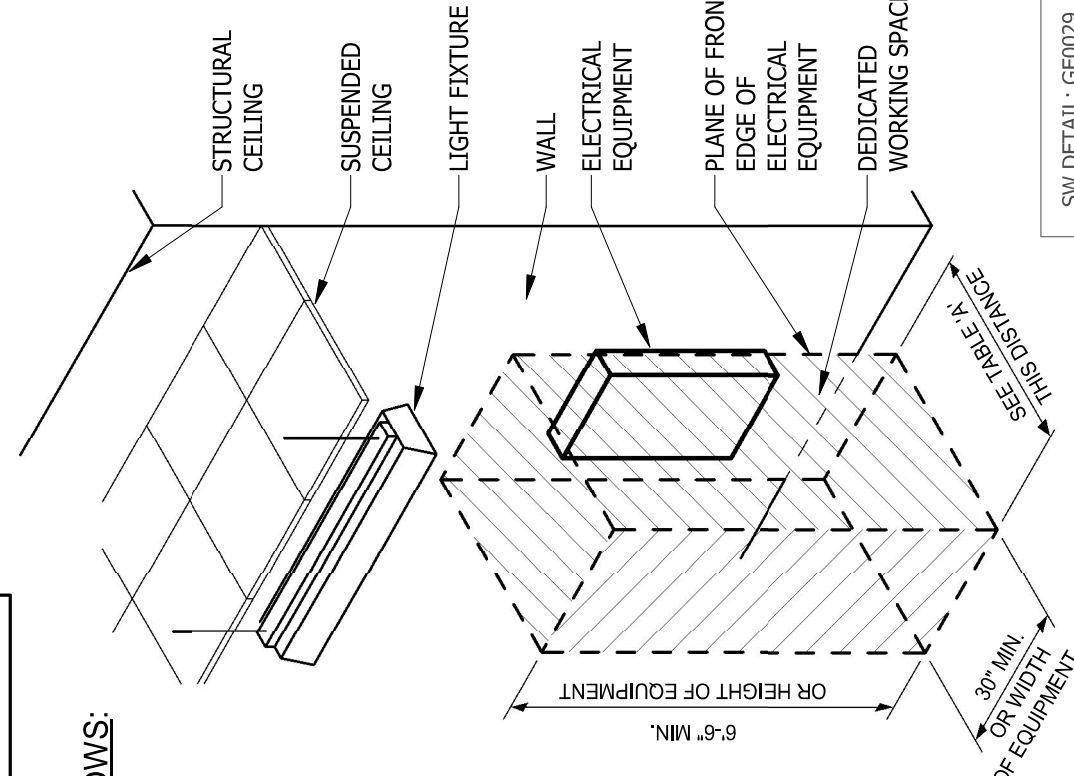
NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE (FEET)	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 4
0-150	3	3	3	3	3
151-600	3	3	3 1/2	4	4

WHERE THE CONDITIONS ARE AS FOLLOWS:

- EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR UNGROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300V SHALL NOT BE CONSIDERED LIVE PARTS.
- EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
- EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

GENERAL NOTES:

- THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF ELECTRICAL EQUIPMENT AS REQUIRED BY SECTION 110.26 OF THE NATIONAL ELECTRICAL CODE.



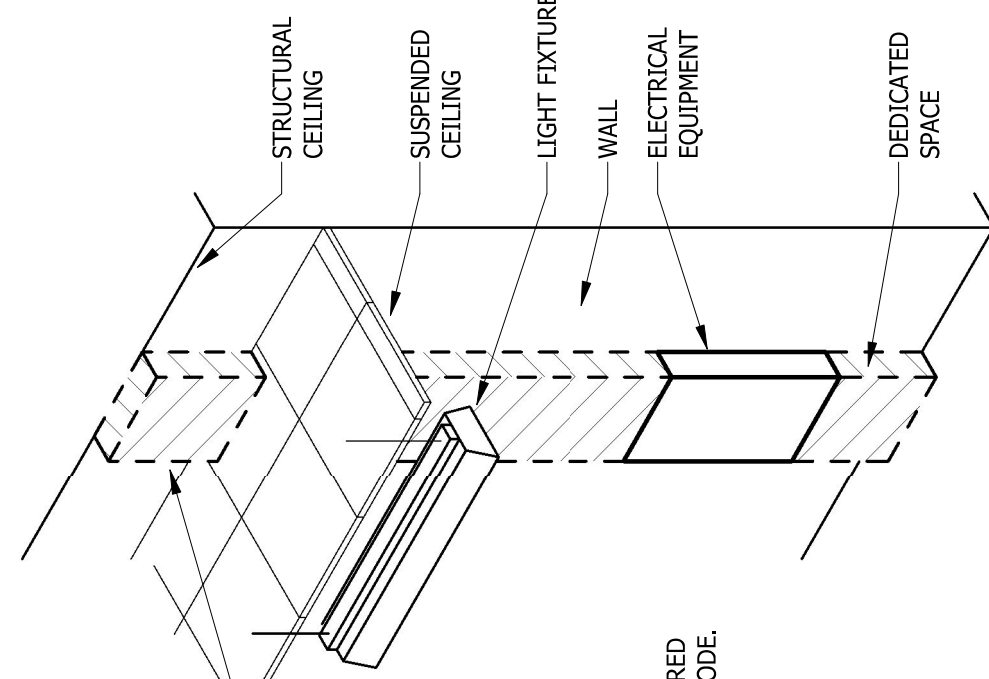
4 WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT
E301 SCALE: NTS

SW DETAIL: GE0029

DEDICATED SPACE RUNS TO A HEIGHT OF 6'-0" ABOVE EQUIPMENT. DEDICATED SPACE CONTINUES THROUGH SUSPENDED CEILING OR UP TO STRUCTURAL CEILING. ANY FOREIGN SYSTEMS TO THE ELECTRICAL EQUIPMENT SHALL NOT RUN WITHIN THIS SPACE.

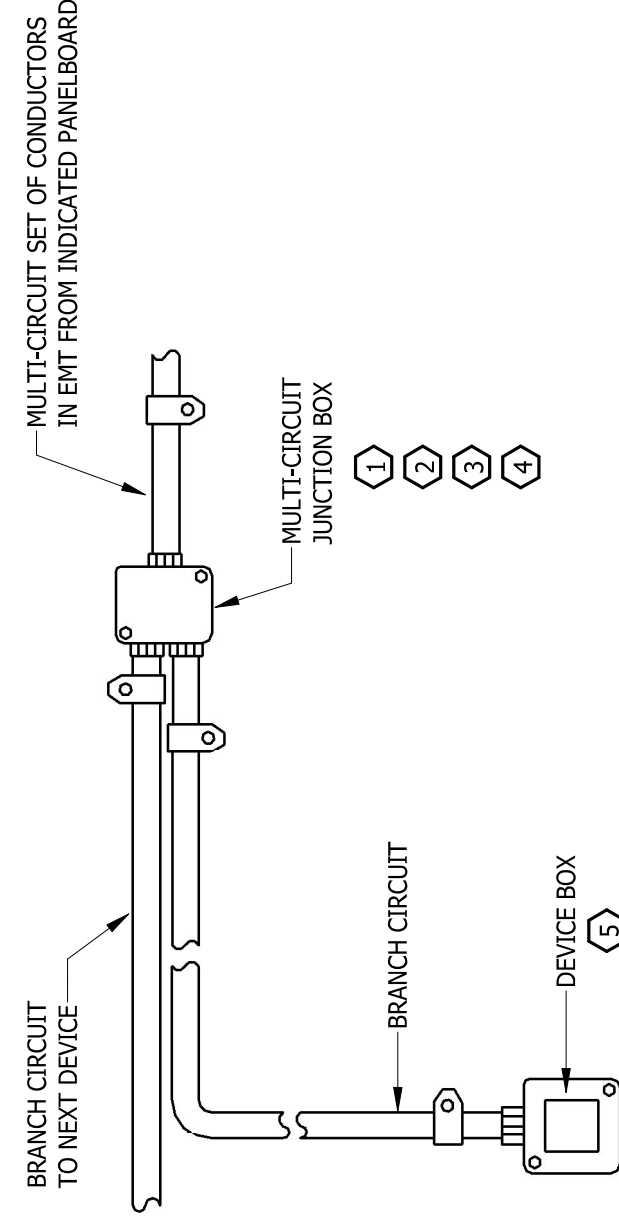
GENERAL NOTES:

- THIS FIGURE ILLUSTRATES THE DEDICATED SPACE REQUIRED FOR AND BELOW THE ELECTRICAL EQUIPMENT. THE DEDICATED SPACE IS REQUIRED BY SECTION 110.26 OF THE NATIONAL ELECTRICAL CODE.



SW DETAIL: GE0030

5 DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
E301 SCALE: NTS



KEYED NOTES:

- PROVIDE DEDICATED NEUTRAL CONDUCTOR WITH EACH PHASE CONDUCTOR.
- LABEL EACH PHASE CONDUCTOR AND HATING NEUTRAL CONDUCTOR AT ALL BOX LOCATIONS FOR IDENTIFICATION.
- BOND GROUND CONDUCTOR TO ALL BOXES.
- MULTI-CIRCUIT JUNCTION BOXES SHALL NOT BE USED FOR DEVICE LOCATIONS.
- DEVICE BOX SHALL NOT BE USED FOR MULTI-CIRCUIT DISTRIBUTION.

SW DETAIL: GE0042

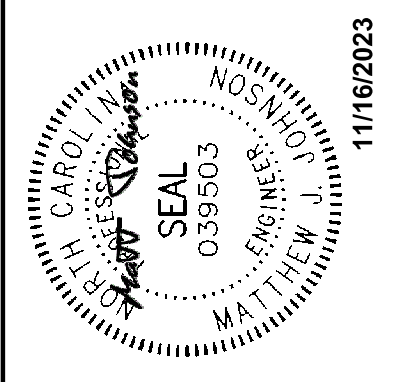
6 MULTI-CIRCUIT HOMERUN WIRING DETAIL
E301 SCALE: NTS



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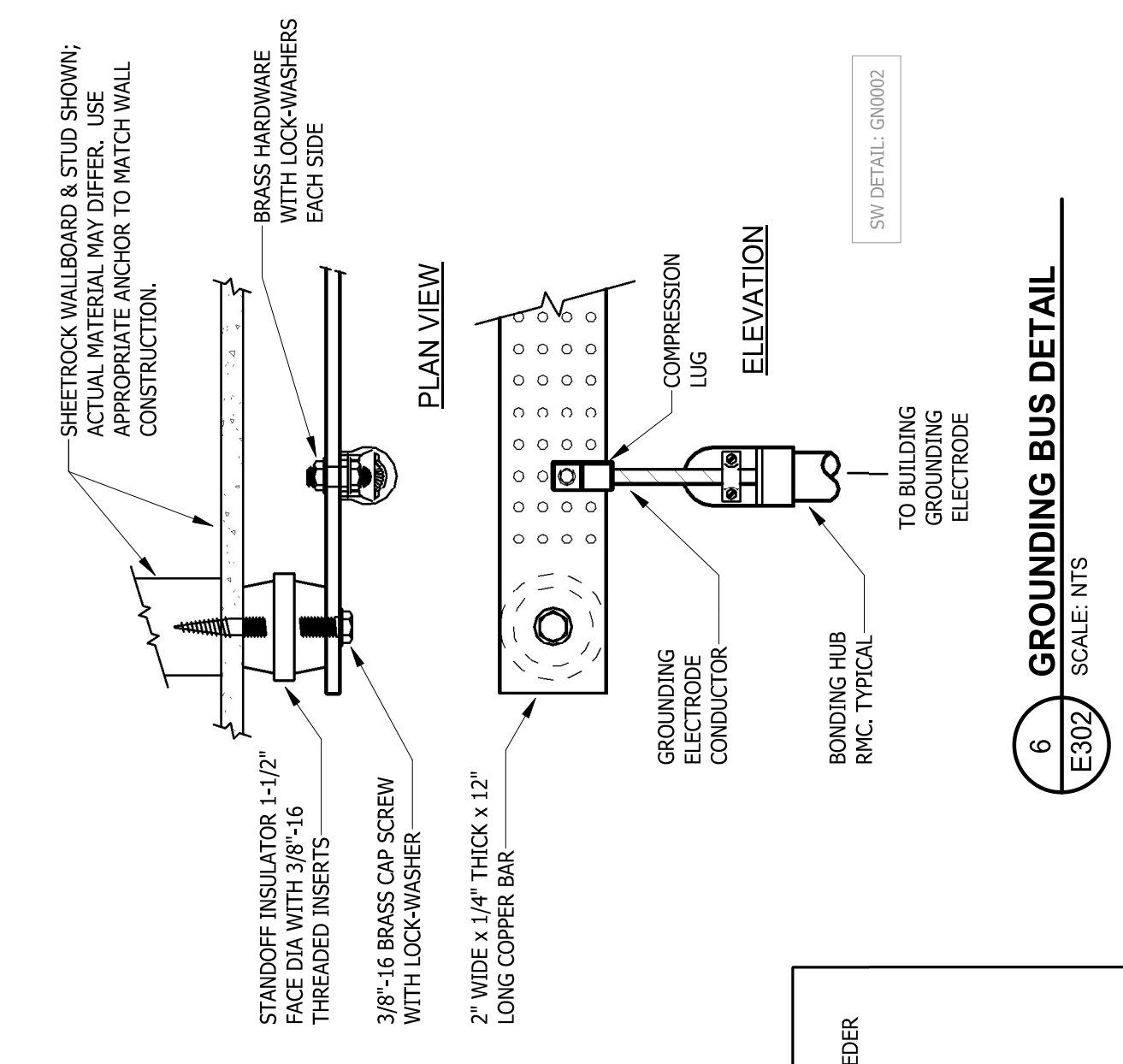
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PROJECT STATUS
ISSUED FOR CONSTRUCTION SHEET

ELECTRICAL DETAILS

E301

Salas O'Brien
 1620 Midtown Place
 Raleigh, NC 27609
 919-832-8118
 salasobrien.com
 license (NO): F-1434



6 GROUNDING BUS DETAIL
 SCALE: NTS
 SW DETAIL: GN0002

THIS FEEDER DISCONNECT IS FOR XXX LOADS IN THE BUILDING. FEEDER DISCONNECTS IN THE BUILDING ARE:

CB ENC. E1 LOCATED AT T002; SERVES EMERGENCY LOADS
 CB ENC. S1 LOCATED AT T002; SERVES STANDBY LOADS
 FIRE PUMP CTRL LOCATED AT T003; SERVES FIRE PUMP

SERVICE DISCONNECTS FOR THE BUILDING ARE:

SERVICE 1 LOCATED AT T002; SERVES NORMAL POWER.
 SERVICE 2 LOCATED AT T002; SERVES EMERGENCY POWER.
 SERVICE 3 LOCATED AT T003; SERVES FIRE PUMP.

THIS SERVICE DISCONNECT IS FOR SERVICE XXX OF 3. SERVICE DISCONNECTS ARE:

SERVICE 1 LOCATED AT XXXX; SERVES XXXX.
 SERVICE 2 LOCATED AT XXXX; SERVES XXXX.
 SERVICE 3 LOCATED AT T003; SERVES FIRE PUMP.

IN ADDITION, THREE GENERATOR FEEDER DISCONNECTS FOR THE BUILDING ARE:

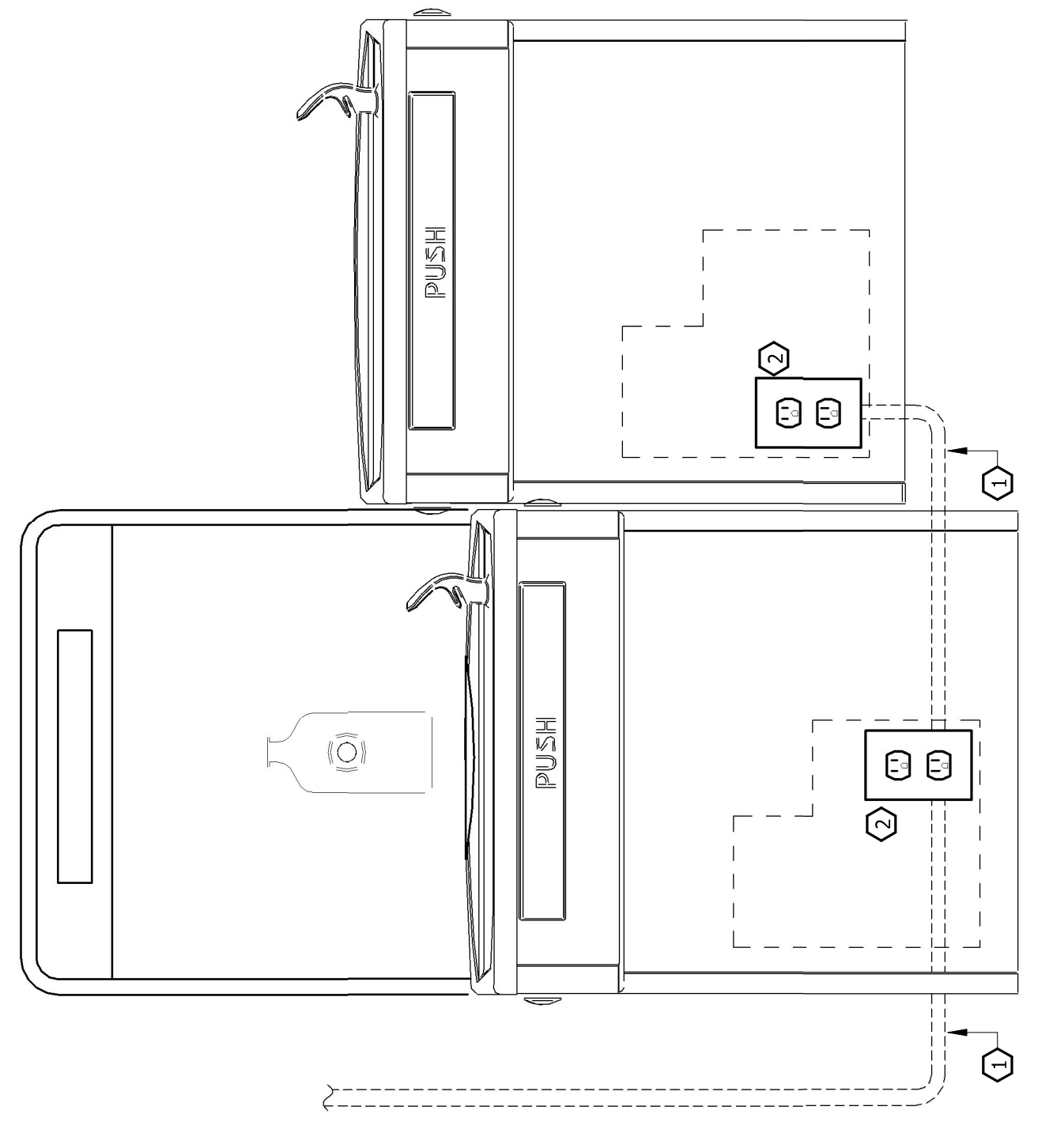
CB ENC. E1 LOCATED AT T002; SERVES EMERGENCY LOADS
 CB ENC. S1 LOCATED AT T002; SERVES STANDBY LOADS
 FIRE PUMP CTRL LOCATED AT T003; SERVES FIRE PUMP

GENERAL NOTES:

- PROVIDE DIRECTORY AT EACH SERVICE/FEEDER DISCONNECT FOR BUILDING. FILL IN BLANK DESIGNATING EACH SERVICE/FEEDER RESPECTIVELY.
- ENGRAVED PLASTIC LAMINATE SIGN WITH FIELD COLORS AS SPECIFIED IN SECTION 260533. LETTERING SHALL BE 3/8" HIGH.

SW DETAIL: LA0006

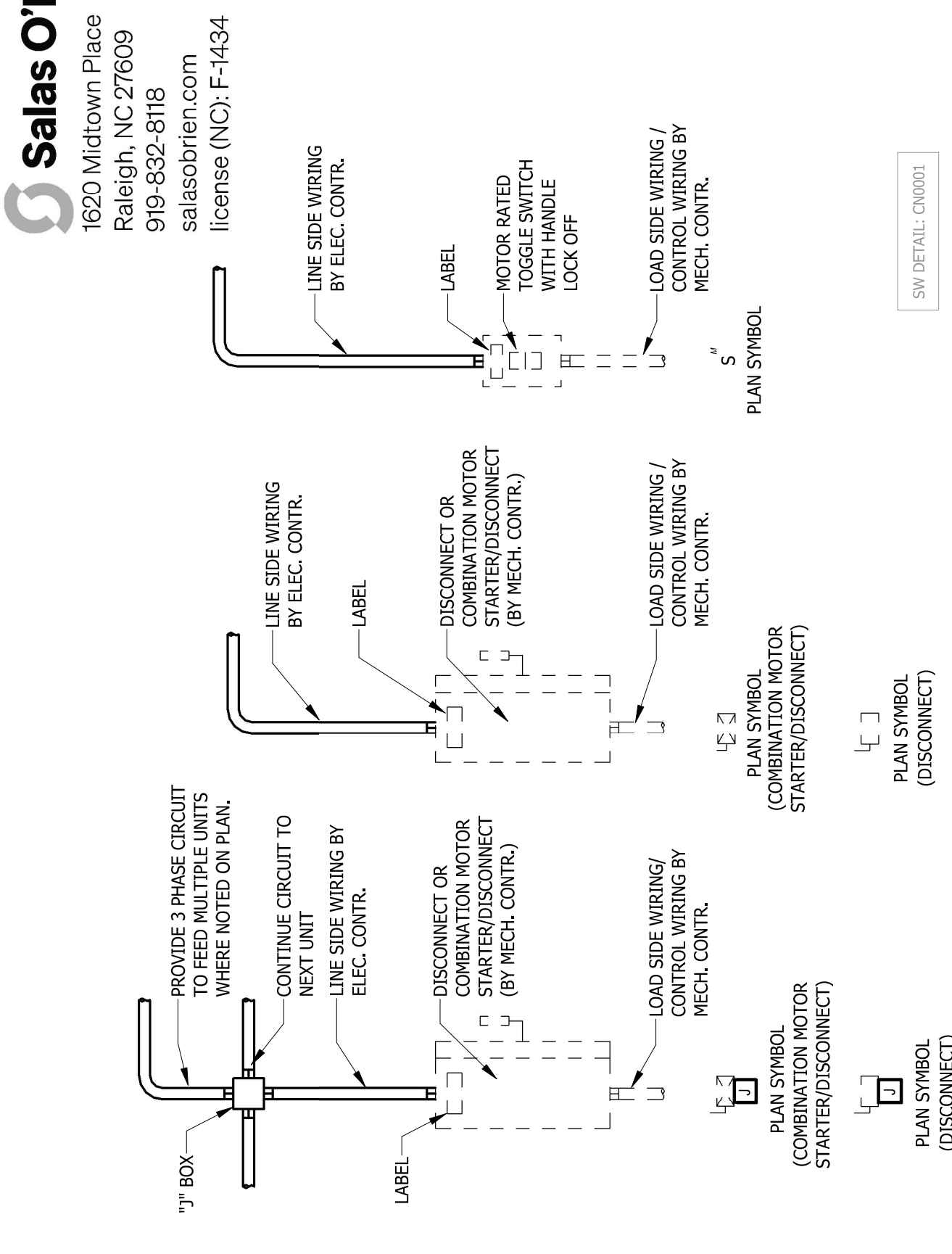
7 SERVICE/FEEDER IDENTIFICATION PLAQUES
 SCALE: NTS



- KEYED NOTES:**
- GFI BREAKER PROTECTED CONDUCTORS WITHIN CONDUIT CONCEALED WITHIN WALL.
 - DUPLEX RECEPTACLE(S) WITH LABEL IDENTIFYING OUTLET AS GFI PROTECTED. LOCATING RECEPTACLE WITHIN EACH COOLER HOUSING, COORDINATE EXACT MOUNTING LOCATION OF EACH RECEPTACLE WITH EVC MANUFACTURER AND PLUMBING CONTRACTOR.

SW DETAIL: GE0008

4 ELECTRIC WATER COOLER GFCI DETAIL
 SCALE: NTS



1 MECHANICAL UNIT WIRING DETAILS
 SCALE: NTS
 SW DETAIL: CM0001

KEYED NOTES:

- EQUIPMENT PROVIDED AND INSTALLED BY OTHER CONTRACTOR. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS, START UP AND TEST EQUIPMENT.
- CONDUIT & WIRING BY OTHER CONTRACTOR PROVIDING EQUIPMENT.
- DISCONNECT PROVIDED AND INSTALLED BY CONTRACTOR PROVIDING EQUIPMENT.
- IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR PROVIDING EQUIPMENT.
- A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. A COMBINATION STARTER SHALL BE PROVIDED AND INSTALLED BY THE OTHER CONTRACTOR PROVIDING THE EQUIPMENT.
- FEEDER AND CONDUIT BY ELECTRICAL CONTRACTOR. SEE PANELBOARD SCHEDULES FOR WIRE AND BREAKER SIZES TO OTHER EQUIPMENT. TERMINATE FEEDER AT LINE SIDE OF DISCONNECTING MEANS.
- JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT IF NO STARTER IS REQUIRED. INSTALL JUNCTION BOX ADJACENT TO THE EQUIPMENT AND PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. MOTOR RATED DISCONNECT SHALL BE PROVIDED BY CONTRACTOR PROVIDING EQUIPMENT WHERE REQUIRED BY CODE.
- VARIABLE FREQUENCY DRIVE (VFD) PROVIDED AND INSTALLED BY OTHER CONTRACTOR PROVIDING EQUIPMENT. VFD IS SUPPLIED WITH INTEGRAL DISCONNECTING MEANS.
- FOR PROJECTS UTILIZING A MOTOR CONTROL CENTER (MCC), THE STARTER, CIRCUIT BREAKER OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL CONTRACTOR.

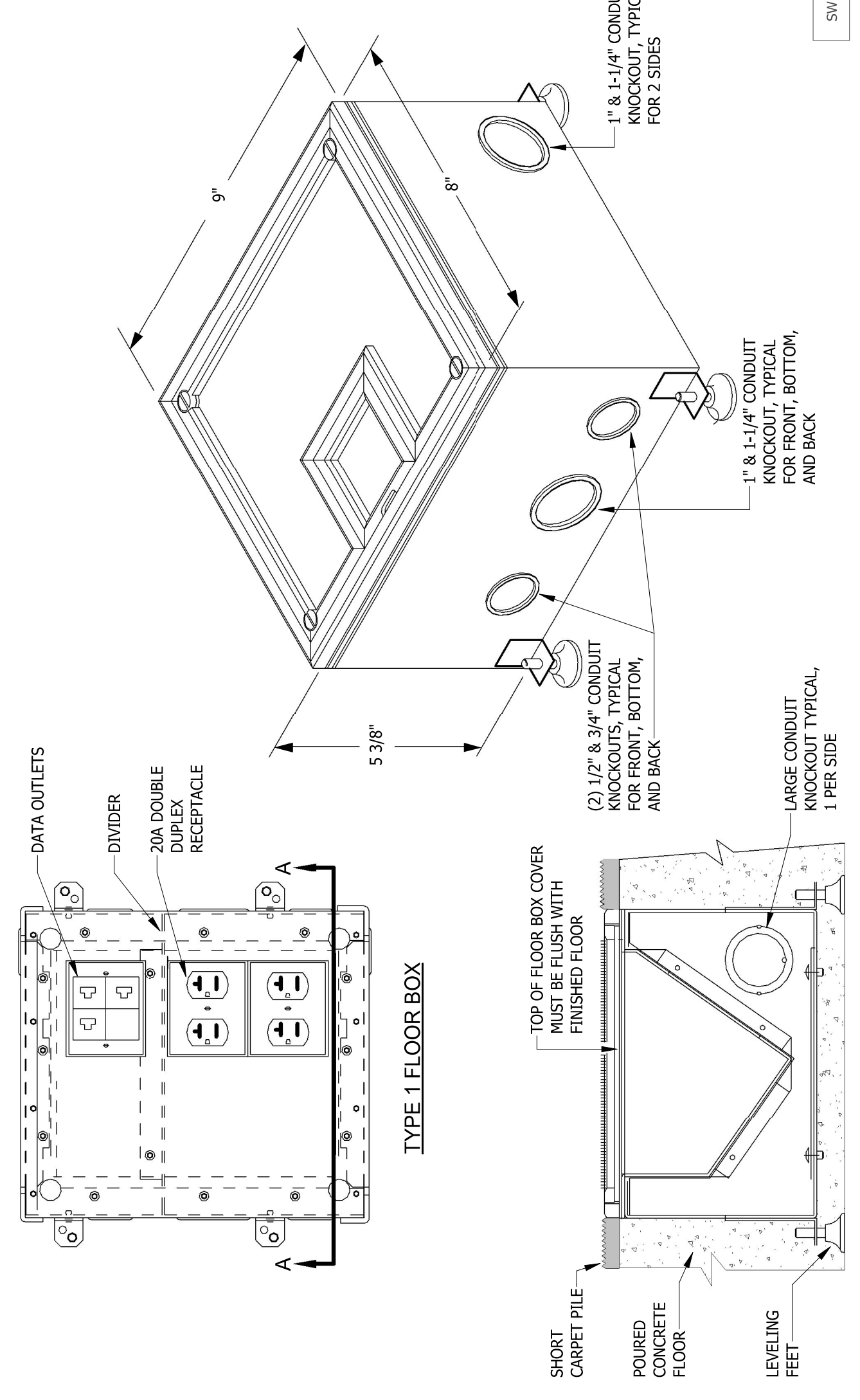
SW DETAIL: CM0002

2 MECHANICAL UNIT WIRING DETAILS
 SCALE: NTS

▲ MULTIPLE ELECTRICAL SERVICE WARNING
 THIS BUILDING HAS MULTIPLE ELECTRICAL SERVICES. VERIFY THAT ALL ELECTRICAL EQUIPMENT IS TOTALLY DE-ENERGIZED PRIOR TO PERFORMANCE OF WORK INVOLVING CONTACT OR POSSIBLE CONTACT WITH ELECTRICALLY ENERGIZED COMPONENTS. ALWAYS USE PROPER LOCKOUT/TAGOUT PROCEDURES.

SW DETAIL: IN0013

3 MULTIPLE ELECTRICAL SERVICE WARNING
 SCALE: NTS

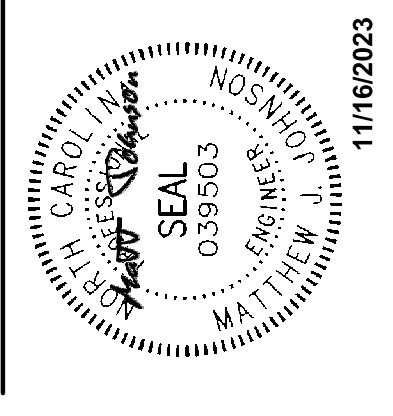


SW DETAIL: GE0006

SECTION 'A-A'

ELECTRICAL FLOOR BOX SCHEDULE					Comments
Box Type	DUPLEX QTY	DATA TYPE/QTY	DATA CONDUIT SIZE	AV SPACE	
A	1	B	1"	1-1/4"	

5 FLOOR BOX DETAIL
 SCALE: NTS



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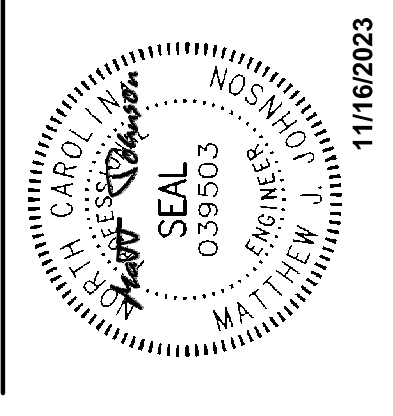
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ELECTRICAL DETAILS

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22-004



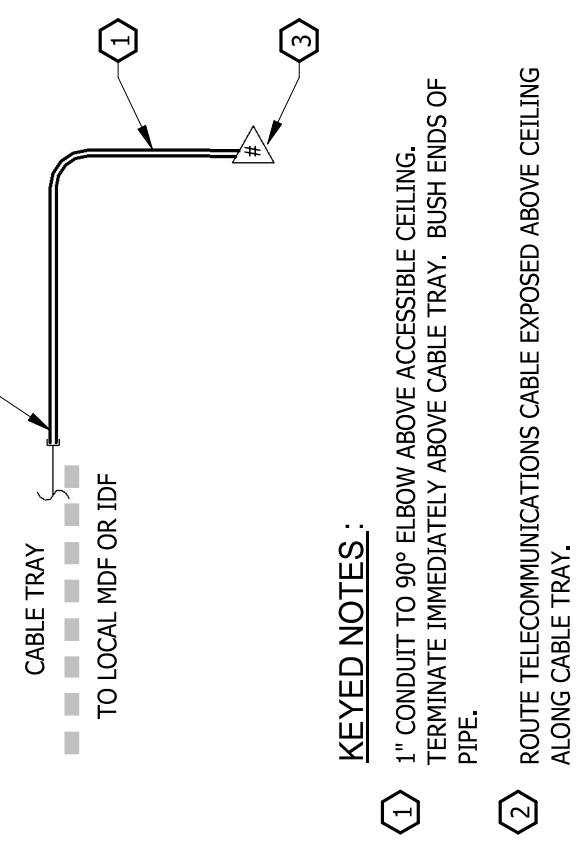
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TELECOMMUNICATION SYSTEMS

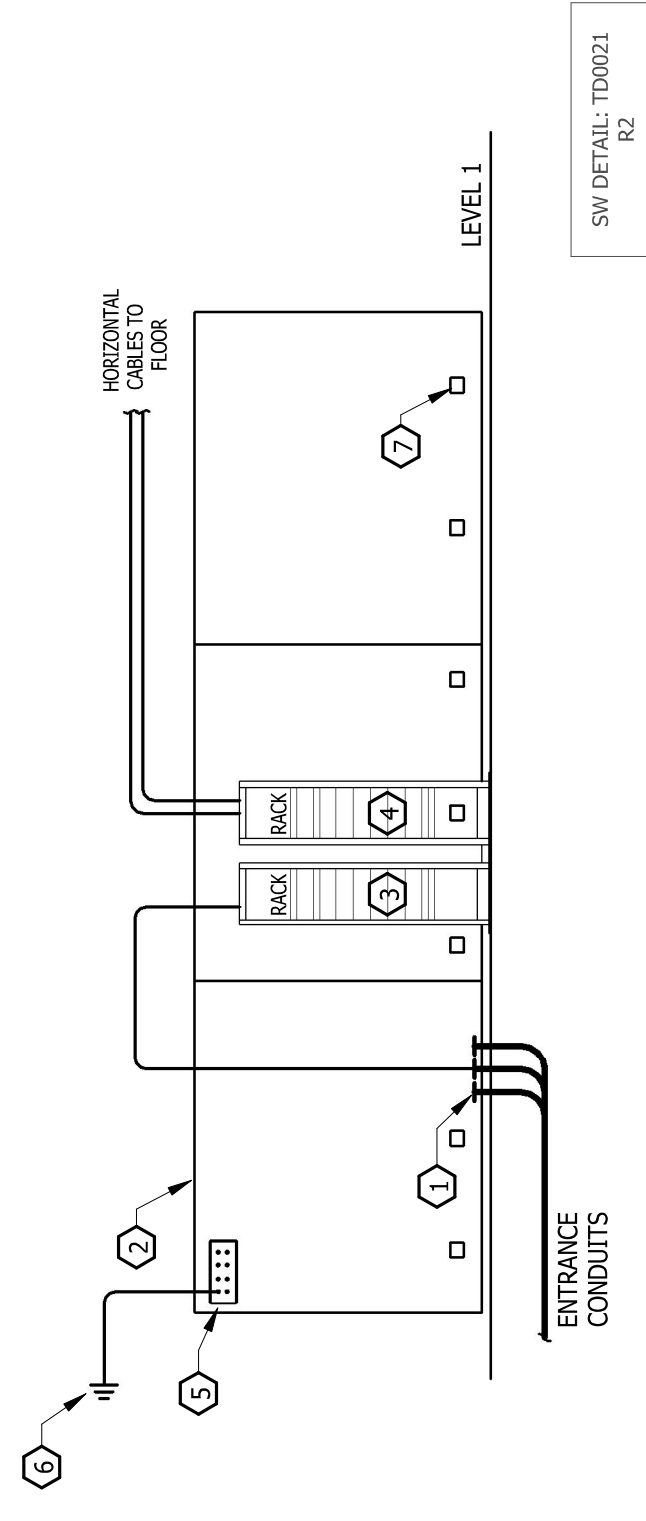
E521

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SW DETAIL: TD0003
R1

1 TYPICAL TELECOM OUTLET
SCALE: NTS

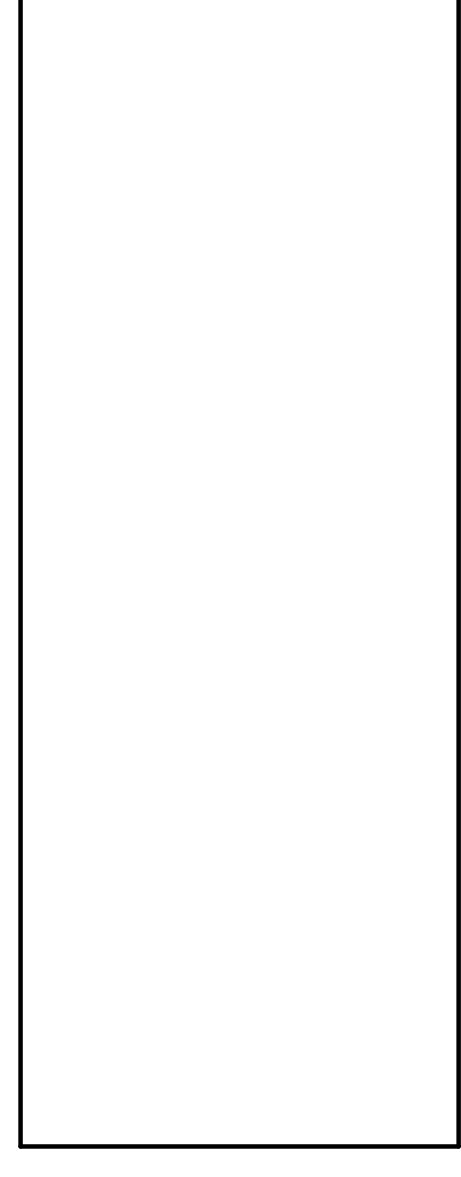


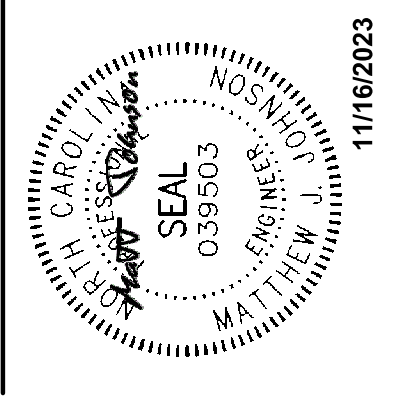
SW DETAIL: TD0021
R2

2 TELECOMMUNICATIONS RISER
SCALE: NTS

- GENERAL NOTES:**
- ACTIVE ELECTRONICS AND PATCH CORDS ARE PROVIDED AND INSTALLED BY OWNER.
 - FIRE SEAL ALL FLOOR PENETRATIONS.
- KEYED NOTES:**
- TELECOM SERVICE ENTRANCE CONDUITS, STUB CONDUITS UP 4" AFF AND BUSH. PROVIDE CAP DURING CONSTRUCTION. SEAL ENDS OF ALL CONDUITS AFTER INSTALLATION OF CABLES.
 - PROVIDE CONTINUOUS 4"x8"x3/4" THICK FIRE RETARDANT PLYWOOD BACKBOARD FROM FLOOR TO 8'-0" AFF ON WALLS. PAINT PLYWOOD WHITE, LEAVING RATING LABELS VISIBLE FOR INSPECTIONS.
 - TELECOMMUNICATIONS ELECTRONICS RACK. FIBER HOUSING AND CABLE MANAGEMENT BY ELECTRICAL CONTRACTOR. ELECTRONIC COMPONENTS BY OWNER.
 - TELECOMMUNICATIONS DISTRIBUTION RACK. PATCH PANELS AND CABLE MANAGEMENT BY ELECTRICAL CONTRACTOR. ELECTRONIC COMPONENTS BY OWNER.
 - WALL MOUNTED GROUND BUS PER PROJECT DETAIL.
 - PROVIDE #6 GROUNDING CONDUCTOR IN ENT TO GROUNDING BUS IN ELECTRICAL ROOM.
 - PROVIDE QUADRIPLEX RECEPTACLES AT 24" AFF. REFER TO FLOOR PLANS FOR CIRCUITRY.

SW DETAIL: TD0000
R2

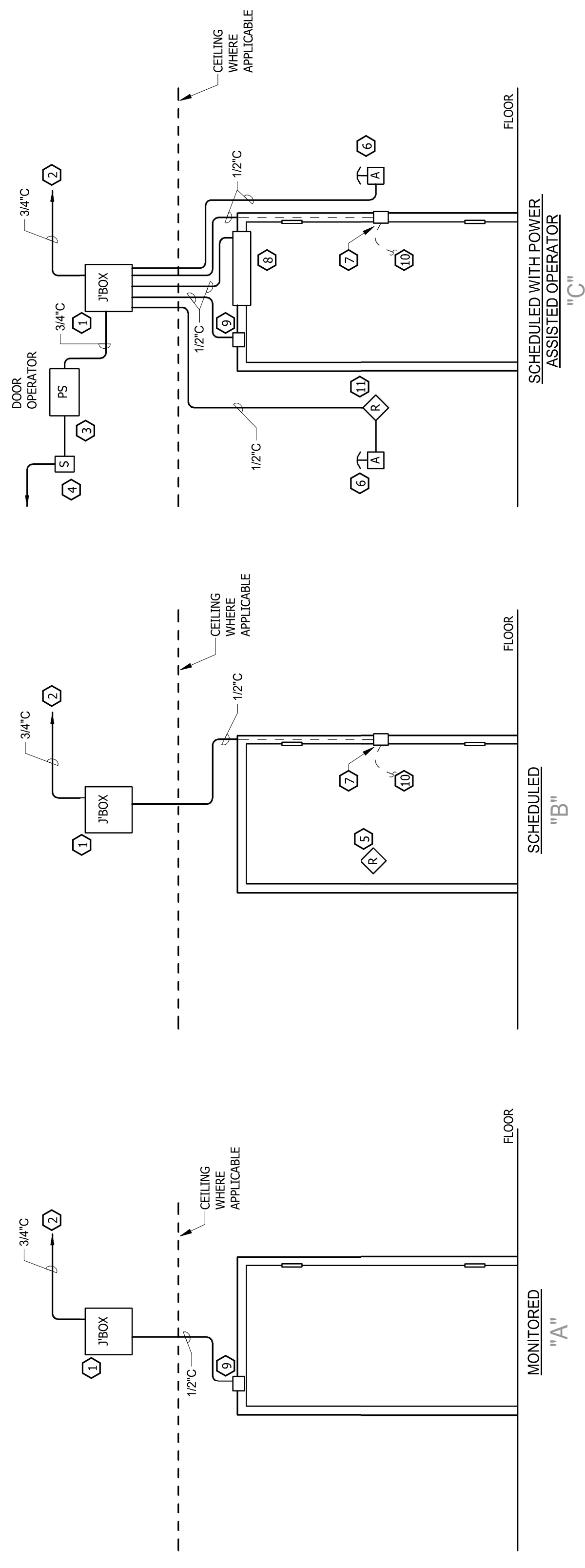




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SECURITY SYSTEM



GENERAL NOTES:

- ALL RACEWAYS AND BOXES PROVIDED BY ELECTRICAL CONTRACTOR. VERIFY REQUIREMENTS WITH HARDWARE AND ACCESS CONTROL EQUIPMENT.
- ALL RACEWAYS SHALL BE CONCEALED ABOVE CEILINGS OR WITHIN WALLS. EXPOSED RACEWAYS SHALL BE PERMITTED IN AREAS WITH EXPOSED OVERHEAD CONSTRUCTION.
- RESPONSIBILITIES:
HARDWARE CONTRACTOR - DOOR HARDWARE, DOOR CONTACTS, ELECTRICAL STRIKES, ELECTRICAL LATCHES, POWER TRANSFER HINGES, SOUNDERS/POWER SUPPLIES, DOOR OPERATORS/POWER SUPPLIES, PUSH PAD ACTUATORS.
ACCESS CONTROL CONTRACTOR - SECURITY PANEL, MOUNTING BRACKET FOR DOOR CONTACTS, SECURITY CONTACTS, SECURITY RACEWAYS, SECURITY RACEWAYS/CONTACTS/POWER SUPPLY, ACCESS CONTROL DEVICE/POWER SUPPLY, SITE CONTROLLER PROGRAM.
ELECTRICAL CONTRACTOR - BACK BOX AND RACEWAY PROVISIONS, 120 VAC PROVISIONS, FIRE ALARM CONNECTIONS.

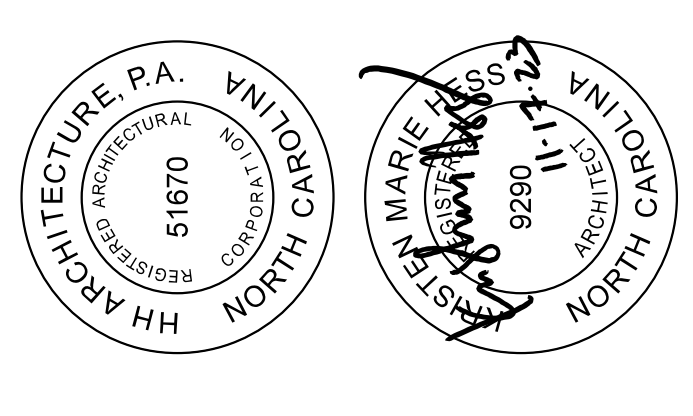
SW DETAIL: GE012 R1

KEYED NOTES:

- JBOX FOR ALL LOW VOLTAGE WIRING.
- RACEWAY TO ELECTRONIC ACCESS DOOR CONTROL UNIT.
- POWER SUPPLY FOR DOOR OPERATOR. MAY ALSO BE LOCATED IN DOOR OPERATOR INDICATED CIRCUIT.
- PROVIDE SINGLE POLE DISCONNECT SWITCH FOR 120 VAC SUPPLY. SEE FLOOR PLAN FOR INDICATED CIRCUIT.
- CARD READER MOUNTED TO DOOR, BY OTHERS.
- DOOR ACTUATOR.
- ELECTRIC TRANSFER HINGE.
- ELECTRIC DOOR OPERATOR.
- DOOR POSITION SWITCH FLUSH IN DOOR FRAME.
- TO HARDWARE SET ON DOOR, PUSH BAR OR MORTICE/LEVER. SET INCLUDES REQUEST FOR EXIT AT EGRESS DOORS.
- CARD READER MOUNTED TO PEDESTAL, BY OTHERS.

1 DOOR CONTROL DETAIL
 E531 SCALE: NTS

Door ID	Detail Elevation	DOOR CONTROL EQUIPMENT MATRIX							Comments
		Door Contacts	Card Reader	Door Operator	Actuator				
T101C	A	Yes	No	No	No	No	No		
T101B	A	Yes	No	No	No	No	No		
T001B	C	Yes	Yes	Yes	Yes	Yes	Yes		
T001D	C	Yes	No	No	No	No	No		
T001A	A	Yes	No	No	No	No	No		
T001C	A	Yes	No	No	No	No	No		
T002	A	Yes	No	No	No	No	No		
T001A	A	Yes	No	No	No	No	No		
T001B	A	Yes	No	No	No	No	No		
T101D	B	Yes	Yes	Yes	Yes	Yes	Yes		
W100A	B	Yes	Yes	No	No	No	No		
W100B	B	Yes	Yes	No	No	No	No		
T101E	B	Yes	Yes	No	No	No	No		
T101F	A	Yes	No	No	No	No	No		



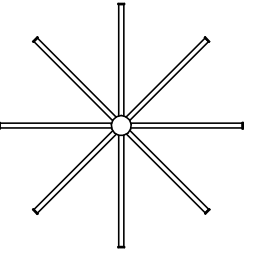
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OVERALL REFLECTED CEILING PLAN

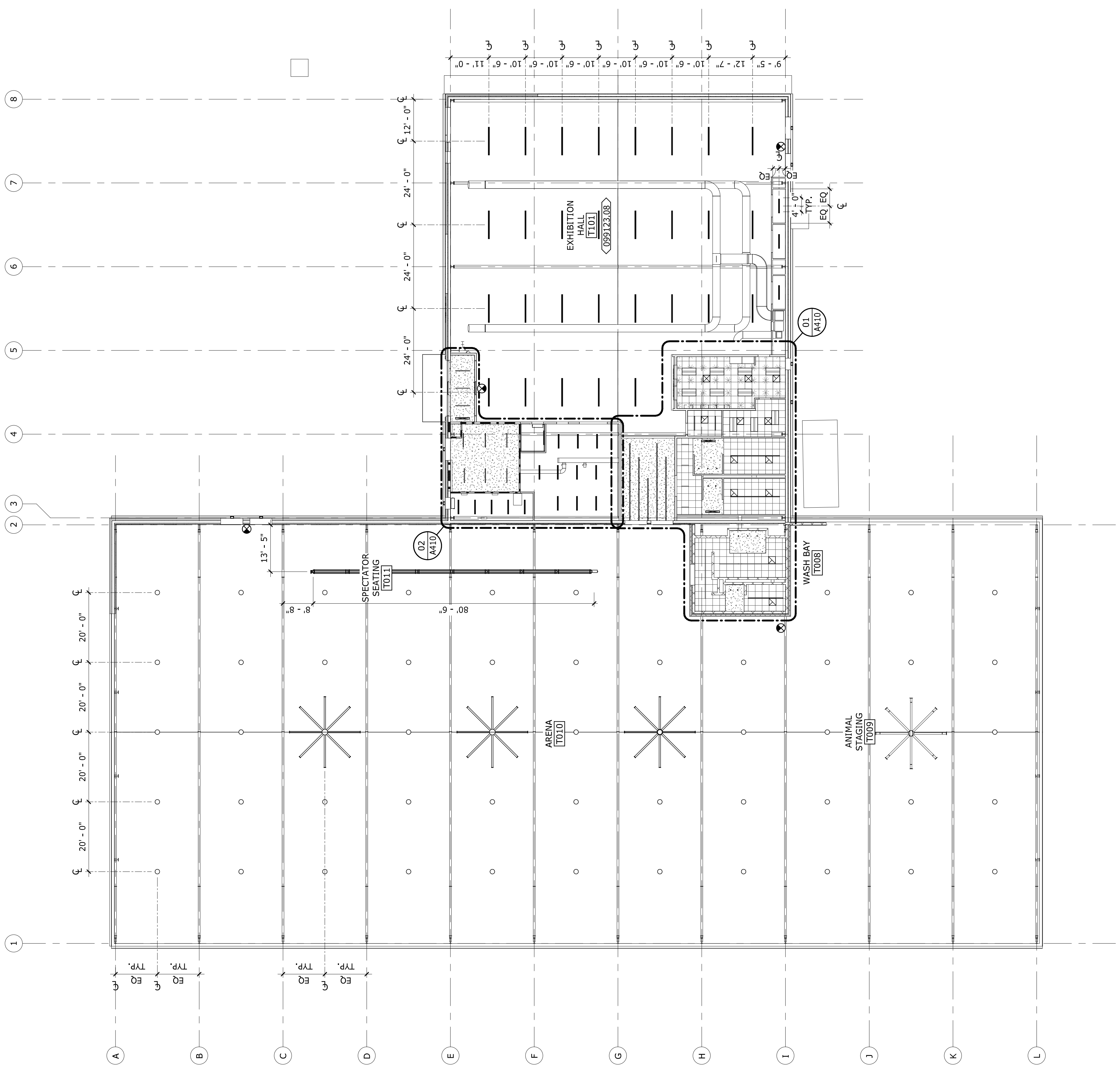
RCP & LIGHTING LEGEND

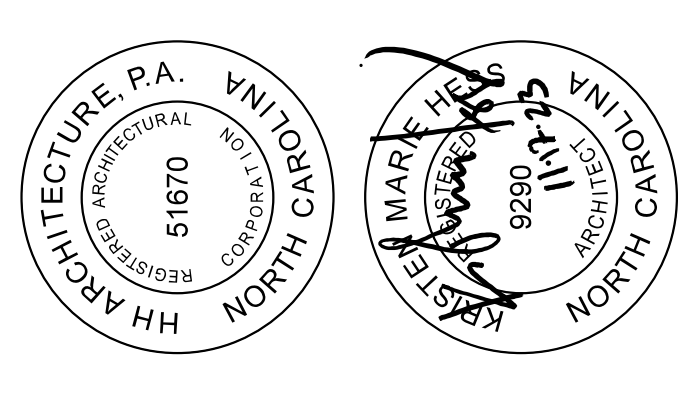
- A** 2x2 ACOUSTICAL PANEL CEILING AND GRID
- C** 2x2 CLEAN ACOUSTICAL PANEL CEILING; 10'-0" A.F.F. U.N.O.
- E** GWB CEILING/BULKHEAD
- F** EXPOSED DECK
- A** 2'x4' RECESSED LIGHT FIXTURE
- D2** 10" CYLINDER PENDANT; MTD. 6' - 8" A.F.F. U.N.O.
- F** 2" RECESSED LINEAR LED; LENGTHS VARY; SEE RCP
- G** EXTERIOR WALL LIGHT; SEE BUILDING ELEVATIONS
- H** 4' STRIP LED PENDANT; MTD. 17' - 0" U.N.O.
- J** 4" DIRECT/INDIRECT LINEAR LED PENDANT; 8' - 0" U.N.O.; MTD. 17'-0" A.F.F. U.N.O.
- K** HIGH BAY LED; MTD. TO FOLLOW SLOPE OF STRUCTURE
- X** EXIT SIGN
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST
- OCCUPANCY SENSOR
- SMOKE DETECTOR
- ALARM
- FAN



RCP GENERAL NOTES

- GC IS REQUIRED TO PROVIDE COORDINATION DRAWINGS FOR ALL MEP SYSTEMS OVERHEAD AND IN CEILINGS.
- SEE MEP SHEETS FOR ADDITIONAL CEILING NOTES.
- INSTALL CEILING GRID AS SHOWN TO AVOID CEILING PANEL SLIVERS.
- EXPOSED STRUCTURE TO BE PAINTED PT-9.





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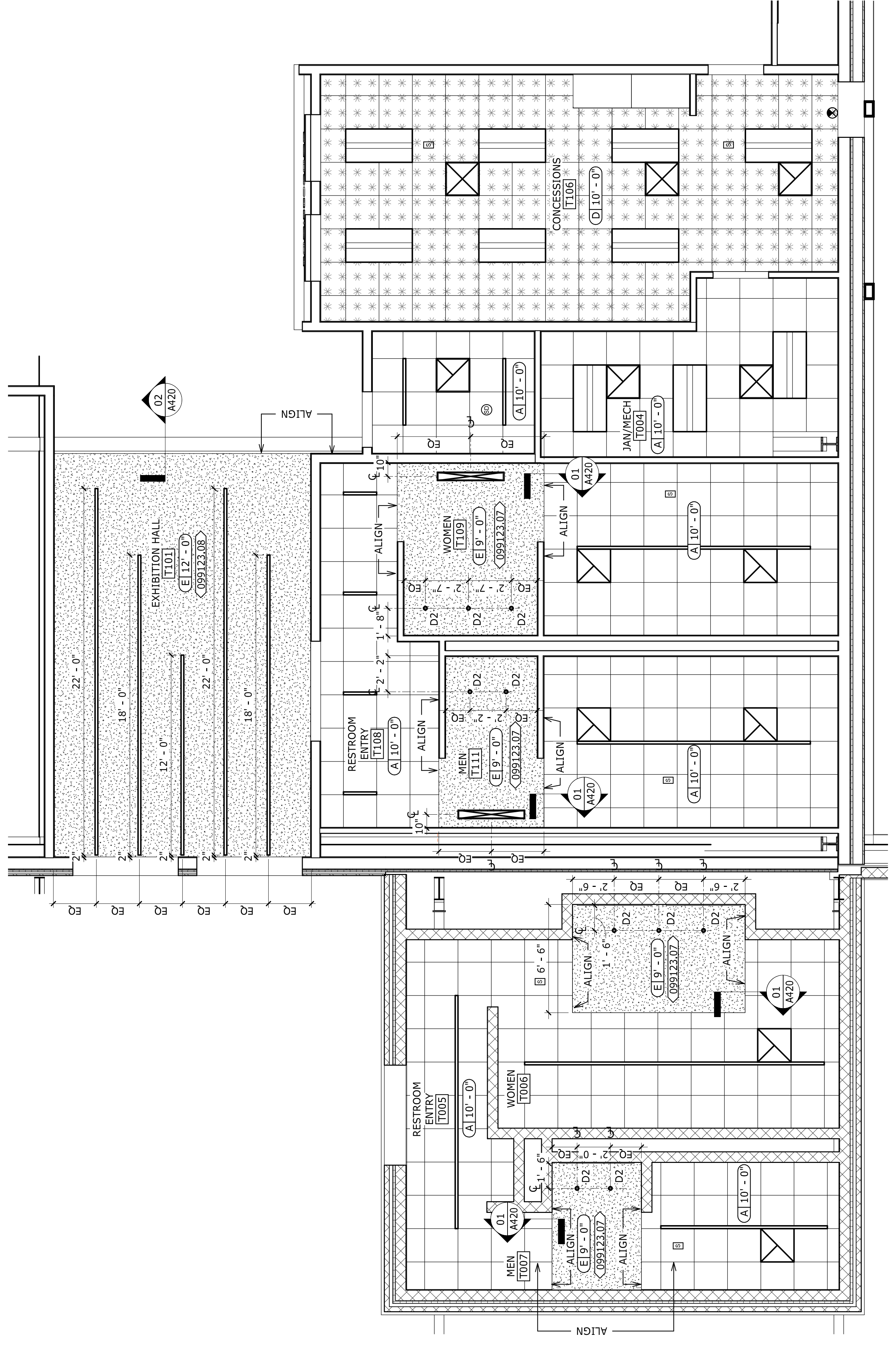
SHEET
ENLARGED REFLECTED CEILING PLANS

RCP & LIGHTING LEGEND

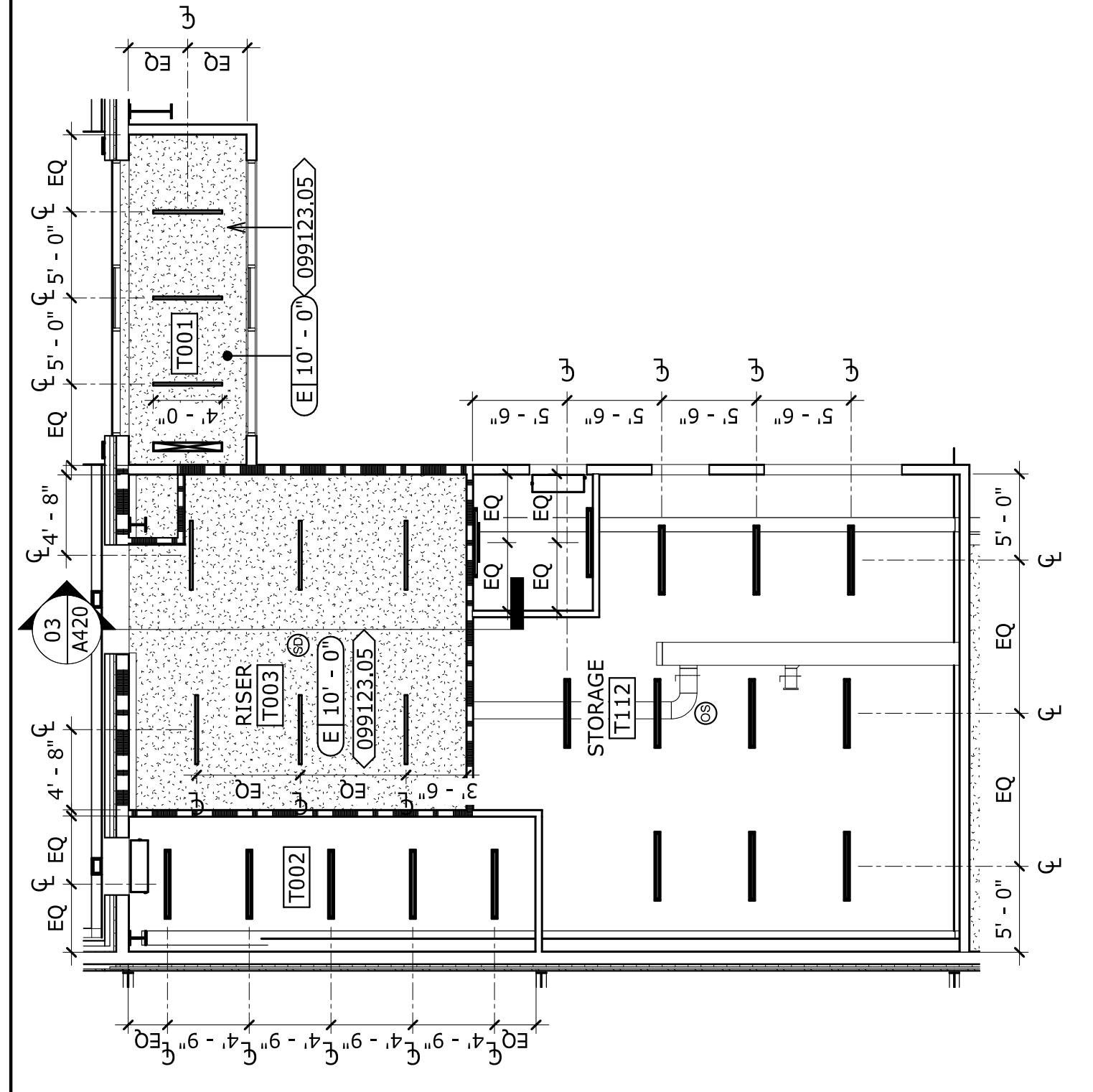
- A** 2x2 ACOUSTICAL PANEL CEILING AND GRID
- C** 2x2 CLEAN ACOUSTICAL PANEL CEILING; 10'-0" A.F.F. U.N.O.
- E** GWB CEILING/BULKHEAD; SEE FINISH SCHED. FOR PAINT FINISH
- F** EXPOSED DECK
- A** 2'x4' RECESSED LIGHT FIXTURE
- D2** 10" CYLINDER PENDANT; MTD. 6' - 8" A.F.F. U.N.O.
- F** 2" RECESSED LINEAR LED; LENGTHS VARY; SEE RCP
- G** EXTERIOR WALL LIGHT; SEE BUILDING ELEVATIONS
- H** 4' STRIP LED PENDANT; MTD. 17' - 0" U.N.O.
- J** 4" DIRECT/INDIRECT LINEAR LED PENDANT; 8' - 0" (W) U.N.O.; MTD. 17' - 0" A.F.F. U.N.O.
- K** HIGH BAY LED; MTD. 17' - 0" A.F.F. U.N.O.
- X** EXIT SIGN
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST
- OCCUPANCY SENSOR
- SMOKE DETECTOR
- ALARM

RCP GENERAL NOTES

- GC IS REQUIRED TO PROVIDE COORDINATION DRAWINGS FOR ALL MEP SYSTEMS OVERHEAD AND IN CEILINGS.
- SEE MEP SHEETS FOR ADDITIONAL CEILING NOTES. OTHERWISE NOTED.
- ALL NEW CEILING TILE ARE TO BE TYPE A UNLESS OTHERWISE NOTED.
- INSTALL CEILING GRID AS SHOWN TO AVOID CEILING PANEL SLIVERS.



01 A410 RESTROOMS & CONCESSIONS - ENLARGED REFLECTED CEILING PLAN
1/4" = 1'-0"



02 A410 MAINTENANCE SECTOR - ENLARGED REFLECTED CEILING PLAN
1/8" = 1'-0"

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