

<u>360M-25-IFQ-2032</u> <u>Invitation for Quotes</u>

Wilmot Lighting-122 Wilmot Road, New Haven, CT

Issue Date: June 30, 2025

Shenae Draughn President



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Part I. Cover Page

A. Overview

360 Management Group, Co., a 501(c) 3 non-profit instrumentality of the Housing Authority of the City of New Haven, is seeking quotes from qualified, licensed electrical contractors to perform the replacement of the exterior lighting fixtures at the property located at 122 Wilmot Road. The purpose of this is to improve site safety, visibility, and energy efficiency through the installation of new exterior lighting systems.

B. Important Due Dates/ Locations/ Time

S	chedule
Event	Date
IFQ Issued	June 30, 2025, at 3:00 PM
Pre-Bid Conference	July 9, 2025, at 11:00 AM
Questions Due	July 11, 2025, at 12:00 PM
IFQ Submittal Deadline	July 16, 2025, at 3:00 PM

All questions concerning this IFQ must be submitted in writing no later than. EST and submitted via 360 Management's Vendor/Contractor Collaboration Portal, <u>https://newhavenhousing.cobblestonesystems.com/gateway</u>.

Answers to questions will be responded to after the close of the questions period and answered via an Addendum posted on 360 Management's Vendor/Contractor Collaboration Portal. Prior to submission of bid, please check the Vendor/ Client Collaboration Portal for any addendums posted. All Addenda's must be acknowledged with a signature and timely submitted as part of this solicitation. Bids will be rejected if the addendum is not timely submitted as stated.



C. Preparation of Submission:

The bids must substantially conform to the IFQ checklist.

Sealed Quotes must be uploaded via 360 Management's Collaboration Portal website: <u>https://newhavenhousing.cobblestonesystems.com/gateway</u>.

YOU MUST BE A REGISTER VENDOR TO SUBMIT A BID

Caution: Late Proposal submission will be handled in accordance with the provisions contained in HUD Form HUD 5369-B Titled "LATE SUBMISSIONS, MODIFICATIONS, AND WITHDRAWALS OF OFFERS".

By submission of a bid, the bidder agrees, if its bid is accepted, to enter into a contract with 360 Management in the form included in the contract documents to complete all work specified or indicated in the contract documents for the contract price and within the contract time indicated in the attached IFQ.

The bid shall remain valid for the period specified in the IFQ, must be independently arrived at, and shall be prepared in accordance with the Instructions to Bidders (HUD Form HUD-5369). Additionally, all required certifications and other applicable documents, as shown on the "Index of Submittal Documents," must be completed and submitted as part of the bid.

The bid prices shall be included as provided for in the attached IFQ. Unless otherwise specified in the IFQ, all prices shall be on a firm-fixed-price basis and are not subject to adjustment based on costs incurred.

Unless indicated otherwise, Bidders must submit a lump sum firm-fixed-price bid consistent with a cost/price analysis prepared by 360 Management. Price bids that are inconsistent with the 360 Management cost/price analysis may be deemed non-responsive.

Bidders must provide 360 Management with the appropriate discount percentage that would apply, if applicable, to prompt payments and the number of days 360 Management must make those prompt payments to be able to take advantage of the discount.

360 Management reserves the right to negotiate bid prices with the lowest bidder.

360 Management reserves the right to reject any and all submitted bids or to waive any informality in the solicitation process.



No bid shall be withdrawn for a period of **One Hundred and Twenty (120) calendar days** subsequent to the opening of the submittals without the consent of 360 Management.

Bidders should be advised that, prior to the award of any contract, 360 Management reserves the right to conduct a pre-award survey for the purpose of determining the bidder's responsibility and capacity to perform the contract. This survey may include review of subcontracting agreements, financial capacity, and quality of work performed on other contracts.

The following information is vital to the submission process and should be read through <u>carefully.</u>

RELEVANT AND PAST EXPERIENCE

Bidder(s) must complete the Contractor's Bid Qualification Form, Reference and Past Performance Form, HUD Form HUD-2530 (Previous Participation Certification), and HUD Form HUD 50071 (Certification of Payments to Influence Federal Transactions) if applicable. NOTE: The Contractor's Bid Qualification Form must be notarized.

EMPLOYMENT AND CONTRACTING ACTION PLAN

Bidder(s) should review 360 Management's Bid Conditions For Equal Opportunity in Employment, Section 3 Clause (Qualification Information), Federal Executive Order 11246 Compliance Requirements, and Clause 40 (Employment, Training, and Contracting Opportunities for Low-income Persons, Section 3 of the Housing and Urban Development Act of 1968) of HUD Form HUD-5370-C (General Conditions of the Contract for Non-Construction). Bidder(s) must complete and sign the following documents:

- 360 Management Section 3 Form of Certification
- 360 Management Section 3 MBE/WBE Plan

REQUIRED CERTIFICATIONS

All Certification documents shown on the "Index of Submittal Documents Required for Sealed Bids" must be prepared and submitted with Bidder's proposal for the bid to be considered responsive to 360 Management's Invitation for Bid (Sealed Bid)/Solicitation requirements. <u>The minimum amount of time that Bidder's proposal must remain valid is ONE HUNDRED AND TWENTY (120) calendar days from the bid submittal date.</u>

MANDATORY CLAUSES

HUD FORM HUD-5370-C (General Conditions of the Contract for Non-Construction) and 360 Management's Supplemental Conditions to HUD Form HUD-5370-C and 360 Management's Special Conditions to the HUD General Conditions include all clauses mandated by 24 CFR 85.36.



Part II. Bid Protest

Disagreements over the award of a 360 Management's contract, referred to as protests, may occasionally arise between the PHA and an offeror. Usually, the protestor asserts that he/she should have received the contract award and alleges that 360 Management did not conduct the competition appropriately. (Note: While protests are commonly referred to as bid protests, any type of contract award, including small purchase, competitive proposal, or sealed bid, may be protested by an unsuccessful offeror.) 360 Management, in accordance with sound business judgment, is responsible for the settlement of protests arising from the procurement process.

1. **Designation of Protest Officials**. The Contracting Officer shall be responsible for the receipt of any form bid protest in writing and with conducting the initial bid protest hearing. Bid protest must be submitted within ten (10) days of the award of contract by the Authority.

The Contracting Officer shall render an impartial decision regarding any bid protest.

2. **Appeal of Initial Bid Protest Decision**. If the Contracting Officer denies the bid offeror's bid protest, the protestor must request an appeal of said finding in writing no later than ten (10) days of the date of receipt of the decision of the Contracting Officer. The appeal hearing will be conducted by no less than two (2) members of the Board of Commissioners (i.e., the Service Committee or the Planning and Development Committee.) The request for an appeal hearing shall be directed to the Contracting Officer.

3. **Requirements for Written Protests**. Protestors shall submit a bid protest in writing to the Contracting Officer within ten (10) days of the award of the subject contract by the Authority to the following address. **Protest against terms of the solicitation must be made prior to the due date of solicitation**.

Contracting Officer 360 Orange Street 3rd Floor New Haven, CT 06511

The bid protest must clearly state the basis for the protest. Protests should include, at a minimum, the following information:

- a. Name, address, and phone number(s) of the protestor;
- b. Solicitation number and project title;
- c. A detailed statement of the basis for the protest;



- d. Supporting evidence or documents to substantiate any arguments; and
- e. The form of relief requested (e.g., reconsideration of their offer).

4. Submission Time Period. Generally, the offeror shall submit bid protest no later than ten (10) days of date the award of subject contract is made by the Board of Commissioners. Protests against the terms of a solicitation should be considered late if submitted after the due date for offers.

5. **Time Period for Formal Protest Hearing.** The Contracting Officer, or his/her designee, shall conduct a protest hearing, if the written request warrants within ten (10) calendar days of receipt of the writing request by the protestor. The Contracting Officer may deem, based upon the evidence presented by the protestor, that a hearing is not warranted, and that an unbiased and impartial initial decision can be rendered without the need of a face-to-face hearing.

6. **Remedial Action.** If a protest is decided in favor of the protestor, 360 Management may consider, inter alia, the following remedies:

If the contract has not been awarded, the 360 Management may cancel or revise the solicitation or proposed contract award, or

If the contract has been awarded, the contract may be terminated for convenience and awarded to the protestor, or the procurement may be canceled and offers re-solicited.

7. Emergencies or Unusual and Compelling Circumstances. 360 Management may allow a contract to remain in place despite a successful protest in cases of emergency or unusual or compelling need for the supplies or services. However, if the 360 Management determines, based on compelling circumstances such as an emergency or serious disruption of its operations, that termination or re-solicitation would not be in the best interest of 360 Management, then 360 Management may allow the award to stand and pay the successful protestor costs associated with preparing the bid along with the cost of filing and pursuing the protest and other damages determined.

8. **Denials.** 360 Management shall notify the protestor in writing of its decision and state the basis for the denial. The notification shall apprise the protestor of any appeal rights in accordance with our protest procedures.

9. **Appeal Procedures.** As stated above, appeal of the Contracting Officer's initial decision shall be heard by no fewer than two members of the Board of Commissioners (i.e., the Service Committee or the Planning and Development Committee). The request for an appeal must be made in writing as stated above and must include, but not be limited to:



1. A statement of the factual and legal grounds on which reversal or modification of the decision is deemed warranted, specifying any errors of law made or information not previously considered.

10. **Documentation.** The Contracting Officer shall fully document the protest decision in writing in the contract file. Documentation shall include but not be limited to:

- 1. A copy of the subject solicitation and supporting documentation, including the copy of the advertisement of the bid.
- 2. A copy of the protestor's written protest.
- 3. A copy of the written finding of the Contracting Officer and that of any appeal officer(s).
- 4. Copy of documentation used by 360 Management to make its decisions that was protested by the protestor.

11. **Informal Resolution Processes.** Protestor may request an informal review of their protest either in writing or by phone.

EQUAL EMPLOYMENT OPPORTUNITIES REQUIREMENTS

All Equal Employment Opportunities including Section 3 (EEO) forms are provided in this package. The contractor/vendor must review all EEO forms, complete and submit the required EEO forms at the time of submission of bid or proposal. Bids/Contracts at <u>all</u> dollar values are subject to Section 3/MBE/WBE requirements.

After a Contract has been awarded, the contractor must attend a mandatory meeting with 360 Management's Director of Procurement. If there are any questions regarding the completion of the EEO forms please contact the Director of Procurement, at 203-498-8800 ext 1200.

Staff is available at 360 Orange Street, 3rd floor, to assist persons with disabilities. The TTY/TDD number is (203) 497-8434. 360 Management is an equal opportunity housing agency. 360 MANAGEMENT GROUP, CO.



Part III. Index of Submittal Documents

The INDEX OF SUBMITTAL DOCUMENTS shown below is provided to assist all Bidders in correctly preparing and submitting a responsive Bid to 360 Management in accordance with the requirements of the Invitation for Bid (Sealed Bid). The Index contains a listing of all required submittal items.

Please review this index and submit all documents that are checked "**REQUIRED SUBMITTAL**" with your sealed bid. Documents that are checked "**SIGNATURE REQUIRED**" must be properly executed. Documents that are checked "**NOTARY/CORPORATE SEAL REQUIRED**" must be notarized and/or have the Bidder's corporate seal affixed.

Please view/ download the below listed documents from:

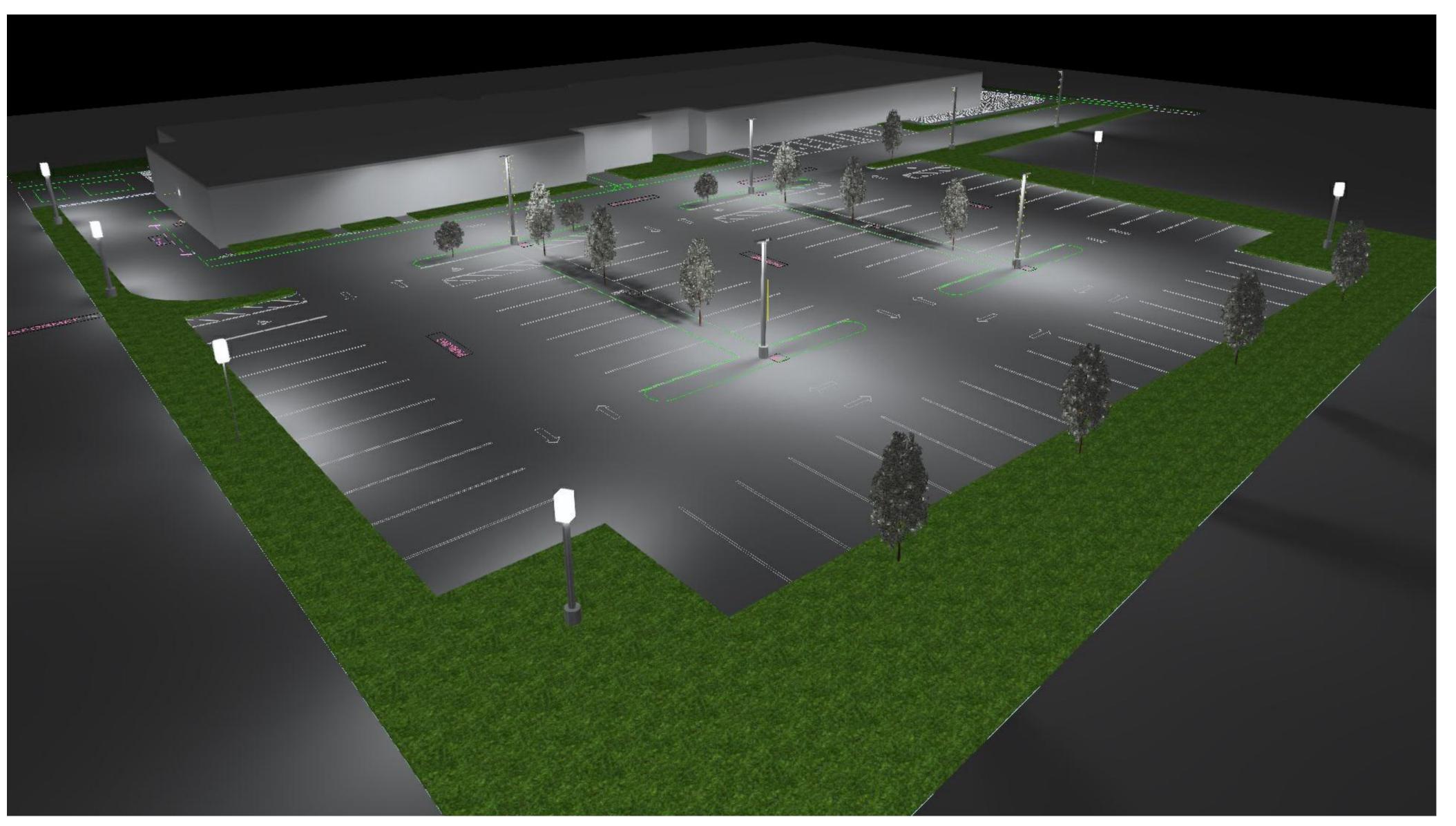
https://newhavenhousing.cobblestonesystems.com/gateway/DocumentLibrary.aspx

INDEX OF SUBMITTAL DOCUMENTS							
DOCUMENT	REQUIR SUBMIT		NOTARY/ CORPORATE SEAL REQUIREDAS APPLICABLE	FOR YOUR REVIEW			
ALL PROJECTS							
Cover Sheet (Attached)	X						
Bid Sheet (Attached)	X	X					
Required Acknowledgements and Certifications:							
HUD-5369-B-Instructions to Offerors Non- Construction				Х			
HUD-5369-C-Certifications and Representations of Offerors – Non- Construction	X	X					
Non-Collusive Affidavit	X	X	Х				
HUD-50071- Certification of Payments to Influence Federal Transactions	Х	X					
Reference and Past Performance Form	X						
Acknowledgement of Addenda Form	X	X					
Section 3 Application				Х			
Contractor Highlight Section 3				Х			
360 Mgmt Bid Conditions for Equal Opportunity in Employment				X			
HUD 5370-C – General Conditions for Non- Construction				X			
360 Mgmt.'s Insurance Requirements				Х			
360 Mgmt. Section 3 Clause				Х			



Part IV. Specifications

122 WILMOT RD, NEW HAVEN ,CT



LIST OF PROFESSIONALS

ELECTRICAL

RUSSELL AND DAWSON INC. 1111 MAIN STREET, EAST HARTFORD CT 06108 PHONE: (860) 289-1100 FAX: (860) 289-3272 www.rdaep.com



RUSSELL AND DAWSON INC. ARCHITECTURE & ENGINEERING

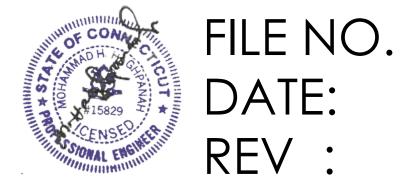
1111 Main Street, East Hartford CT 06108 TEL: (860) 289-1100 FAX: (860) 289-3272 E-MAIL: info@rdaep.com

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1111 MAIN STREET, EAST HARTFORD CT 06108 (860) 289-1100

SCOPE	OF WORK		
INCLUDES EXTERIOR LIGHTING UPGF	ADE.		
LIST OF	SHEETS		
SHEET NAME	PROJECT ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
EET	11/13/2024		
L NOTES & SPECIFICATIONS	11/13/2024		
L DETAILS & LIGHT FIXTURE SCHEDULE	11/13/2024	1	11/27/2024
SITE LIGHTING AND PHOTOMETRIC PLAN	11/13/2024		
IGHTING PLAN	11/13/2024	1	11/27/2024
PHOTOMETRIC PLAN	11/13/2024		



23058.01 11/13/2024 11/27/2024

PERFORMANCE SPECIFICATION

SECTION 16000 - ELECTRICAL

PART-1 GENERAL REQUIREMENTS

1.01 SCOPE OF THE WORK

WORK UNDER THIS SECTION SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES, EQUIPMENT. TRANSPORTATION AND OTHER INCIDENTALS NECESSARY TO FURNISH AND INSTALL ALL ELECTRICAL WORK.

SPECIFIC INCLUSIONS ARE:

- ON SITE VERIFICATION OF EXISTING CONDITIONS
- EMERGENCY LIGHTING FOR LIFE SAFETY STANDARD
- BRANCH CIRCUIT WIRING FOR LIGHTING, RECEPTACLES, JUNCTION BOXES AND MOTORS. HANGERS, ANCHORS, SLEEVES, CHASES, SUPPORTS FOR FIXTURES, AND OTHER ELECTRICAL MATERIALS AND EQUIPMENT IN ASSOCIATION THEREWITH.
- LIGHTING FIXTURES AND LAMPS.
- OTHER ITEMS AND SERVICES REQUIRED OR AS SHOWN ON DRAWINGS TO COMPLETE THE INTENT OF THE PROJECT.

1.02 SUBMITTALS

SUBMIT PRODUCT DATA FOR APPROVAL INCLUDING:

- MATERIALS LIST AND MANUFACTURER'S SPECIFICATIONS.
- MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.

WHEN SO REQUESTED BY THE ENGINEER, PROMPTLY PROVIDE SAMPLES OF ITEMS SCHEDULED TO BE EXPOSED IN THE FINAL STRUCTURE.

MANUAL: UPON COMPLETION OF THIS PORTION OF THE WORK, AND AS A CONDITION OF ITS ACCEPTANCE, DELIVER TO THE ENGINEER FOUR COPIES OF AN OPERATION AND MAINTENANCE MANUAL. INCLUDE WITHIN EACH MANUAL:

COPY OF THE APPROVED RECORD DOCUMENTS FOR THIS PORTION OF THE WORK.

COPIES OF ALL EQUIPMENT, LIGHT FIXTURES, DEVICES BEING INSTALLED, WIRING AND CONDUITS COPIES OF ALL WARRANTIES AND GUARANTIES.

1.03 COORDINATION

CONFER WITH ALL OTHER SUBCONTRACTORS AS TO THE LOCATION OF THEIR WORK BEFORE BEGINNING ELECTRICAL WORK AND INSTALL WORK IN SUCH A MANNER AS TO AVOID INTERFERENCE WITH THE OTHER ELECTRICALS. OBTAIN FROM THESE SUBCONTRACTORS THE NECESSARY INFORMATION RELATIVE TO ELECTRICAL WORK REQUIRED FOR EQUIPMENT INSTALLED BY THEM.

1.04 RECORD DRAWINGS

AT THE COMPLETION OF THE CONTRACT THE ELECTRICAL SUBCONTRACTOR SHALL SUBMIT FOR APPROVAL AN ACCURATE CHECK SET OF "AS-BUILT" DRAWINGS.

1.05 GUARANTEE

THE ELECTRICAL SUBCONTRACTOR SHALL GIVE THE OWNER A WRITTEN GUARANTEE TO MAKE GOOD ANY AND ALL FAULTS AND DEFECTS IN THE WORK DUE TO DEFECTIVE OR IMPROPER MATERIALS OF WORKMANSHIP THAT MAY APPEAR WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE BUILDING AND SHALL MAKE ALL CHANGES WITHIN THE GUARANTEE PERIOD WHICH ARE REQUIRED TO PUT THE SYSTEM IN PROPER CONDITION AND OPERATION WITHOUT COST TO THE OWNER.

PART-2 PRODUCTS

2.01 GENERAL AREA LIGHTING:

2.01 PANELBOARDS

PANELBOARDS SHALL BE BY SQUARE D, GENERAL ELECTRIC, EATON, SIEMENS OR EQUAL

LIGHTING AND SMALL POWER PANELBOARDS SHALL BE GE #AQ SERIES OR EQUAL.

<u>2.02</u>

ALL CONDUIT AND FITTINGS TO BE METALLIC OR GALVANIZED STEEL. BOXED, STEPS, SUPPORTS AND GROUND FAULT CIRCUIT INTERRUPTER (GF) RECEPTACLES SHALL BE NEMA G-20R, CLASS "A", 5 MA SENSITIVITY AND SHALL BE PASS & SEYMOUR HUBBELL #GFr5820 OR EQUAL.

2.03 LAMPS

LED LAMP

LED LAMPS SHALL BE BY PHILIPS, OSRAM, CREE OR EQUAL. ALL LUMINARIES SHALL BE TESTED PER LM-79, LM-80. THE LED LAMPS SHALL HAVE AT LEAST 50000 BURNING HOURS (L70).

LED BOARDS SHALL BE CREE, NICHIA OR SAMSUNG.

2.04 BALLASTS

BALLASTS SHALL BE ETL/CBM APPROVED, LEAKPROOF, RATED FOR ENVIRONMENT TEMPERATURE AND LOW NOISE LEVEL.

FLUORESCENT BALLASTS SHALL BE CLASS P, HIGH-POWER FACTOR, WITH "A" NOISE RATING; FOR 120V OR 277V OPERATION, UNLESS OTHERWISE NOTED. BALLASTS SHALL BE EQUAL TO UNIVERSAL #412-L-SLH-TC-P FOR ONE-LAMP USAGE, AND UNIVERSAL #445-L- SLH-TC-P FOR TWO-LAMP USAGE AND OF THE ENERGY SAVINGS TYPE.

2.05 WIRING DEVICES:

STRAIGHT-BLADE RECEPTACLES DUPLEX CONVENIENCE RECEPTACLES: 125 V, 20 A; COMPLY WITH NEMA WD 1, NEMA WD 6 CONFIGURATION 5-20R, UL 498, AND FS W-C-596. DUPLEX CONVENIENCE RECEPTACLES SHALL BE BY COOPER #CR5352, LEVITON #5362, HUBBELL #5362 AND PASS & SEYMOUR #5362.

GF RECEPTACLES: 125 V, 20 A, STRAIGHT BLADE, SELF-TESTING FEED-THROUGH TYPE. COMPLY WITH NEMA WD 1, NEMA WD 6 CONFIGURATION 5-20R, UL 498, UL 943 CLASS A, AND FS W-C-596. INCLUDE INDICATOR LIGHT THAT SHOWS WHEN THE GFCI HAS MALFUNCTIONED AND NO LONGER PROVIDES PROPER GFCI PROTECTION.

GF CONVENIENCE RECEPTACLES SHALL BE BY COOPER #SGF20, LEVITON #GFTR2, HUBBELL #GFRST20 AND PASS & SEYMOUR #2097.

TAMPER-RESISTANT, DUPLEX GF CONVENIENCE RECEPTACLES SHALL BE COOPER -#TRSGF20, HUBBELL #GFTRST20 AND PASS & SEYMOUR #2097TR.

TAMPER-RESISTANT CONVENIENCE RECEPTACLES: 125 V, 20 A; COMPLY WITH NEMA WD 1, NEMA WD 6 CONFIGURATION 5-20R, UL 498, AND FS W-C-596. TAMPER-RESISTANT CONVENIENCE RECEPTACLES SHALL BE BY LEVITON #TBR20, HUBBELL #BR20TR AND PASS & SEYMOUR #TR20.

TWIST-LOCK, SINGLE CONVENIENCE RECEPTACLES: 125 V, 20 A; COMPLY WITH NEMA WD 1, NEMA WD 6 CONFIGURATION L5-20R, AND UL 498, TWIST-LOCK, SINGLE CONVENIENCE RECEPTACLES SHALL BE BY COOPER #CWL520R, HUBBELL #L520R, LEVITON #2310, PASS & SEYMOUR #L520-R.

SWITCHES:

FOUAL

KEY-OPERATED SWITCHES: 120/277 V, 20 A, SINGLE POLE, WITH FACTORY-SUPPLIED KEY IN LIEU OF SWITCH HANDLE. KEY-OPERATED SWITCHES SHALL BE BY COOPER #AH1221L, HUBBELL #HBL1221L, LEVITON -#1221-2L, PASS & SEYMOUR #PS20AC1-L. WALL PLATES: SINGLE AND COMBINATION TYPES SHALL MATCH CORRESPONDING WIRING DEVICES. PLATE-

SECURING SCREWS: METAL WITH HEAD COLOR TO MATCH PLATE FINISH. MATERIAL FOR FINISHED SPACES: SMOOTH, HIGH-IMPACT THERMOPLASTIC. MATERIAL FOR UNFINISHED SPACES: SMOOTH, HIGH-IMPACT THERMOPLASTIC. MATERIAL FOR DAMP LOCATIONS: THERMOPLASTIC WITH SPRING-LOADED LIFT COVER, AND LISTED AND LABELED FOR USE IN WET AND DAMP LOCATIONS.

PART-3 EXECUTION

3.01 COORDINATION

SUCH DEVIATIONS WITHOUT ADDITIONAL COST TO THE OWNER.

3.02 INSTALLATION OF RACEWAYS AND FITTINGS

WHERE CONDUIT IS INSTALLED CONCEALED IN WALLS OR ABOVE THE CEILING, OR EXPOSED IN WORK AREAS, PROVIDE ELECTRICAL METALLIC TUBING WITH COMPRESSION TYPE FITTINGS.

PROVIDE GALVANIZED RIGID STEEL CONDUITS FOR ALL CIRCUITINGS IN WET LOCATION AREA.

ACCORDANCE WITH THE PROVISIONS FOR THE ORIGINAL WORK. WHERE CONDUIT IS EXPOSED, RUN PARALLEL TO OR AT RIGHT ANGLE WITH LINES OF THE BUILDING; WHERE CONDUITS PIERCE THE ROOF, PROVIDE 24 GAUGE GALVANIZED IRON ROOF JACKS AND FLASHING COLLAR BRAZED ONTO THE CONDUITS AND COVERING THE TOP OF ROOF JACKS.

3.03 INSTALLATION OF LIGHTING FIXTURES

SCHEDULE SHOWN ON THE DRAWINGS.

WIRE FIXTURES WITH FIXTURE WIRING OF AT LEAST 50 DEGREES CELSIUS RATING. WHERE FIXTURES ARE MOUNTED IN CONTINUOUS ROWS, PROVIDE CONDUCTORS IN WIRING CHANNELS OR THE SAME SIZE AS THE CIRCUIT WIRES SUPPLYING THE ROW OF FIXTURES.

USE ONLY BONDERIZED, GALVANIZED, OR SHERARDIZED STEEL FOR FIXTURE INSTALLATION FOR PROTECTION AGAINST RUST AND CORROSION, AND INSTALL FLUORESCENT FIXTURES STRAIGHT AND TRUE WITH REFERENCE TO WALLS.

INSTALL ALL LIGHTING FIXTURES, INCLUDING THOSE MOUNTED IN CONTINUOUS ROWS, SO THAT THE WEIGHT OF THE FIXTURE IS SUPPORTED, EITHER DIRECTLY OR INDIRECTLY, BY A SOUND AND SAFE STRUCTURAL MEMBER OF THE BUILDING, USING ADEQUATE NUMBER AND TYPE OF FASTENINGS TO ASSURE SAFE INSTALLATION.

3.04 INSTALLATION OF CONDUCTORS

MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE: NO. 12 AWG. FOR ALL 20-A-1P, 120-VOLT CIRCUITS IN EXCESS OF 50 FT. FROM POWER SOURCE TO LAST DEVICE, PROVIDE NO. 10 AWG ENTIRE LENGTH OF CIRCUIT. FOR ALL 20-A-1P, 120-VOLT CIRCUITS IN EXCESS OF 80 FT. FROM POWER SOURCE TO LAST DEVICE, PROVIDE NO. 8 AWG ENTIRE LENGTH OF CIRCUIT. FOR ALL 20A-1P, 120-VOLT CIRCUITS IN EXCESS OF 120 FT. FROM POWER SOURCE TO LAST DEVICE, PROVIDE NO. 6 AWG ENTIRE LENGTH OF CIRCUIT.

CONDUIT IS SHOWN ON THE DRAWINGS.

USE IDENTIFIED (WHITE) NEUTRALS AND COLOR-CODED PHASE WIRES FOR ALL BRANCH CIRCUIT WIRING. MAKE SPLICES ELECTRICALLY AND MECHANICALLY SECURE WITH PRESSURE-TYPE CONNECTORS, OR BY SOLDERING. FOR WIRES SIZE 6 AWG AND LARGER, PROVIDE BURNDY VINYL-PLASTIC ELECTRICAL TAPE WHERE INSULATION IS REQUIRED.

- INSULATE SPLICES WITH A MINIMUM OF TWO HALF-LAPPED LAYERS OF SCOTCH BRAND NO. 33 VINYL-PLASTIC ELECTRICAL TAPE WHERE INSULATION IS REQUIRED.

3.05 FINAL TESTING AND INSPECTION

PROVIDE PERSONNEL AND EQUIPMENT, MAKE REQUIRED TESTS, AND SECURE REQUIRED APPROVALS FROM THE ARCHITECT AND GOVERNMENTAL AGENCIES HAVING JURISDICTION.

WHEN MATERIAL AND/OR WORKMANSHIP IS FOUND NOT TO COMPLY WITH THE SPECIFIED REQUIREMENTS, WITHIN THREE DAYS AFTER RECEIPT OF NOTICE OF SUCH NON-COMPLIANCE REMOVE THE NON-COMPLYING ITEMS FROM THE JOB SITE AND REPLACE THEM WITH ITEMS COMPLYING WITH THE SPECIFIED REQUIREMENTS, ALL AT NO ADDITIONAL COST TO THE OWNER.

3.06 PROJECT COMPLETION

THOROUGHLY INDOCTRINATE THE OWNER'S OPERATION AND MAINTENANCE PERSONNEL IN THE CONTENTS OF THE OPERATIONS AND MAINTENANCE MANUAL.

3.07 RECORD DRAWINGS

THIS CONTRACTOR SHALL MAINTAIN AND SUBMIT RECORD DRAWINGS, ON WHICH SHALL AT ALL TIMES, CLEARLY AND COMPLETELY SHOW THE ACTUAL INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION.

WHEREVER THE WORK WAS INSTALLED OTHER THAN AS SHOWN ON THE CONTRACT DRAWINGS, SAID CHANGES SHALL BE INDICATED ON THE "AS-BUILT" PRINTS. ANY ADDENDA SKETCHES AND SUPPLEMENTARY DRAWINGS ISSUED DURING THE COURSE OF CONSTRUCTION SHALL ALSO BE INCORPORATED ON THE "AS-BUILT" PRINTS.

TIMES.

SETS OF BLACK LINE PRINTS AS "RECORD DRAWINGS"

ALL COSTS RELATIVE TO THESE RECORD DRAWINGS SHALL BE PAID BY THIS CONTRACTOR.

3.08 RUBBISH REMOVAL

AT THE COMPLETION OF EACH DAYS WORK, THIS CONTRACTOR SHALL REMOVE FROM THE PREMISES, ALL RUBBISH OR WASTE MATERIAL BELONGING TO HIM.

SWITCHES SHALL COMPLY WITH NEMA WD 1, UL 20, AND FS W-S-896. SWITCHES, 120/277 V, 20 A: SINGLE POLE: LEVITON # 1221-S OR EQUAL. THREE WAY: LEVITON #1223-S OR EQUAL. FOUR WAY: LEVITON # 1224-S OR

THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC, BUT ARE REQUIRED TO BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER ELECTRICALS WILL PERMIT. WHERE DEVIATIONS ARE REQUIRED TO CONFORM WITH ACTUAL CONSTRUCTION AND THE WORK OF OTHER ELECTRICALS, MAKE

CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNUEMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS.

PROVIDE NECESSARY SLEEVES AND CHASES WHERE CONDUITS PASS THROUGH FLOORS AND WALLS, AND PROVIDE OTHER NECESSARY OPENINGS AND SPACES, ARRANGING FOR IN PROPER TIME TO PREVENT UNNECESSARY CUTTING IN CONNECTION WITH THE WORK. PERFORM CUTTING AND PATCHING IN

INSTALL LIGHTING FIXTURES COMPLETE AND READY FOR SERVICE IN ACCORDANCE WITH THE LIGHTING

PROVIDE CODE-SIZED CONDUIT FOR NUMBER AND SIZE WIRES SHOWN OR REQUIRED, UNLESS A LARGER SIZE

UPON COMPLETION OF THE WORK OF THIS SECTION, THOROUGHLY CLEAN ALL EXPOSED PORTIONS OF THE ELECTRICAL INSTALLATION, REMOVING ALL TRACES OF SOIL, LABELS, GREASE, OIL, AND OTHER FOREIGN MATERIAL, AND USING ONLY THE TYPE CLEANER RECOMMENDED BY THE MANUFACTURER OF THE ITEM BEING CLEANED.

THE "AS-BUILT" DRAWINGS SHALL BE KEPT UP TO DATE AND BE AVAILABLE TO THE ENGINEER FOR INSPECTION AT ALL

UPON RECEIPT OF APPROVAL OF THE "AS-BUILT" DRAWINGS. PHOTO REPRODUCTIONS OF THE ORIGINAL TRACINGS ON MYLAR TRANSPARENCIES SHALL BE REVISED TO INCORPORATE ALL THE CHANGES ON THE "AS-BUILT" DRAWINGS. THESE REPRODUCIBLE TRANSPARENCIES SHALL BE CERTIFIED AS CORRECT AND DELIVERED TO THE ENGINEER ALONG WITH (2)

GENERAL ELECTRICAL NOTES

- THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION (NEC) AND THE LATEST EDITIONS OF ALL LOCAL CODES, RULES AND ORDINANCES HAVING JURISDICTION.
- AS A MINIMUM, ALL EQUIPMENT SHALL MEET APPLICABLE STANDARDS, FOR THE TYPE OF EQUIPMENT AND INTENDED USE, OF THE FOLLOWING: A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- B. ILLUMINATING ENGINEERS SOCIETY (IES) C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) D. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATES.(NEMA) E. NOTE: THESE STANDARDS ARE SUBORDINATE TO CODES AND STANDARDS SET BY U.L.
- ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR INTENDED USE, WITH UNDERWRITER'S LABORATORIES INC. (U.L.), WHERE STANDARDS HAVE BEEN ESTABLISHED BY U.L.
- CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE DRAWINGS.
- THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS AND COUNTS AS SHOWN OR NOTED ON THE DRAWINGS, PRIOR TO SUBMITTING
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE PLANS.
- ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.
- IT SHALL BE UNDERSTOOD THAT ALL WORK PERFORMED SHALL BE DONE BY A LICENSED CONTRACTOR AND IN A FIRST-CLASS WORKMANLIKE MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST 9 PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 10. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE, UNLESS INDICATED OR SPECIFIED OTHERWISE.
- IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR SHALL BE EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE FOR ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- 12. CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY OF EACH PANELBOARD. HAND WRITTEN DIRECTORY IS NOT ACCEPTABLE, EXCEPT SPARE AND SPACES SHALL BE HANDWRITTEN IN PENCIL.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS-BUILT DRAWINGS, 13 SHOWING ALL CHANGES AND DEVIATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.
- 14. COORDINATE TEMPORARY ELECTRICAL POWER REQUIREMENT WITH OWNER.
- 15. G.C. TO COORDINATE WITH ALL OTHER DISCIPLINES AND PREPARE CEILING COORDINATION DRAWINGS TO ACCOMMODATE CEILING HEIGHTS, SPRINKLERS, LIGHTING, DUCTWORK & PLUMBING AND SUBMIT FOR APPROVAL TO THE ARCHITECT PRIOR TO ORDERING MATERIALS.

METER CENTERS 2-6 POSITION FIXED

PART 1 GENERAL

- **1.01 SECTION INCLUDES** A. MULTI-METERING SHALL BE FURNISHED AND WALL MOUNTED AT LOCATIONS AS SHOWN ON THE DRAWINGS.
- B. METERING SHALL BE UL LISTED. C. METERING SHALL BE LABELED FOR SERVICE EQUIPMENT ONLY.
- 1.02 REFERENCES
- A. NEMA AB 1 CIRCUIT BREAKERS B. NEMA PB 1 - PANELBOARDS

PART 2 PRODUCTS

- 2.01 MANUFACTURERS A. METER UNIT(S) SHALL BE MANUFACTURED BY SQUARE D COMPANY OR APPROVED EQUAL.
- 2.02 ENCLOSURES A. NEMA TYPE 3R AS SHOWN ON THE DRAWINGS.
- B. ENCLOSURES SHALL BE CONSTRUCTED OF FORMED AND WELDED, CODE GAUGE STEEL, NEMA 3R WITH A GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED GALVANIZED STEEL
- C. NO DEVICE DISASSEMBLY IS TO BE REQUIRED BEFORE MOUNTING. D. ALL COMPARTMENTS CONTAINING UNMETERED CIRCUITS SHALL BE PROVIDED W/SEALING MEANS.

2.03 INTERIOR CONSTRUCTION

A. ALL COMPONENTS SHALL BE FACTORY ASSEMBLED AND ALL CURRENT CARRYING PARTS SHALL BE PLATED BUS BARS. B. ALL BUSSING MUST BE COMPLETE FROM THE MAIN LUGS TO THE METER SOCKET AND TO THE CIRCUIT BREAKER USING BELLEVILLE WASHERS AT ALL JOINTS.

2.04 METER SOCKETS A. METER SOCKETS SHALL BE 4-JAW [NON-CIRCUIT CLOSING] [AUTOMATIC CIRCUIT

- CLOSING] [MANUAL CIRCUIT CLOSING] TYPE WITH 5TH JAW PROVISIONS WHEN USED ON 208Y/120 VAC SYSTEMS. B. SOCKETS SHALL BE RATED 200 AMPERE CONTINUOUS DUTY.
- C. METER SOCKET JAWS MUST BE SPRING REINFORCED AND FRONT REMOVABLE.
- 2.05 BRANCH CIRCUIT BREAKERS A. BRANCH CIRCUIT BREAKERS FOR 125 AMPERE DEVICES SHALL BE SQUARE D, TWO-
- POLE, PLUG-ON TYPE Q0 (FOR 15 THROUGH 125 AMPERE BREAKERS). B. BRANCH CIRCUIT BREAKERS FOR 150 OR 200 AMPERE DEVICES SHALL BE SQUARE D
- TYPE Q2 BREAKERS. C. INTERRUPTING RATINGS SHALL BE SELECTED TO PROVIDE THE REQUIRED CURRENT AND SHORT CIRCUIT CURRENT RATING.



ELECTRICAL DRAWING INDEX						
SHEET NUMBER	SHEET NAME					
E-001	ELECTRICAL NOTES & SPECIFICATIONS					
E-002	ELECTRICAL DETAILS & LIGHT FIXTURE SCHEDULE					
E-003	EXISTING SITE LIGHTING AND PHOTOMETRIC PLAN					
E-004	NEW SITE LIGHTING PLAN					
E-005	NEW SITE PHOTOMETRIC PLAN					

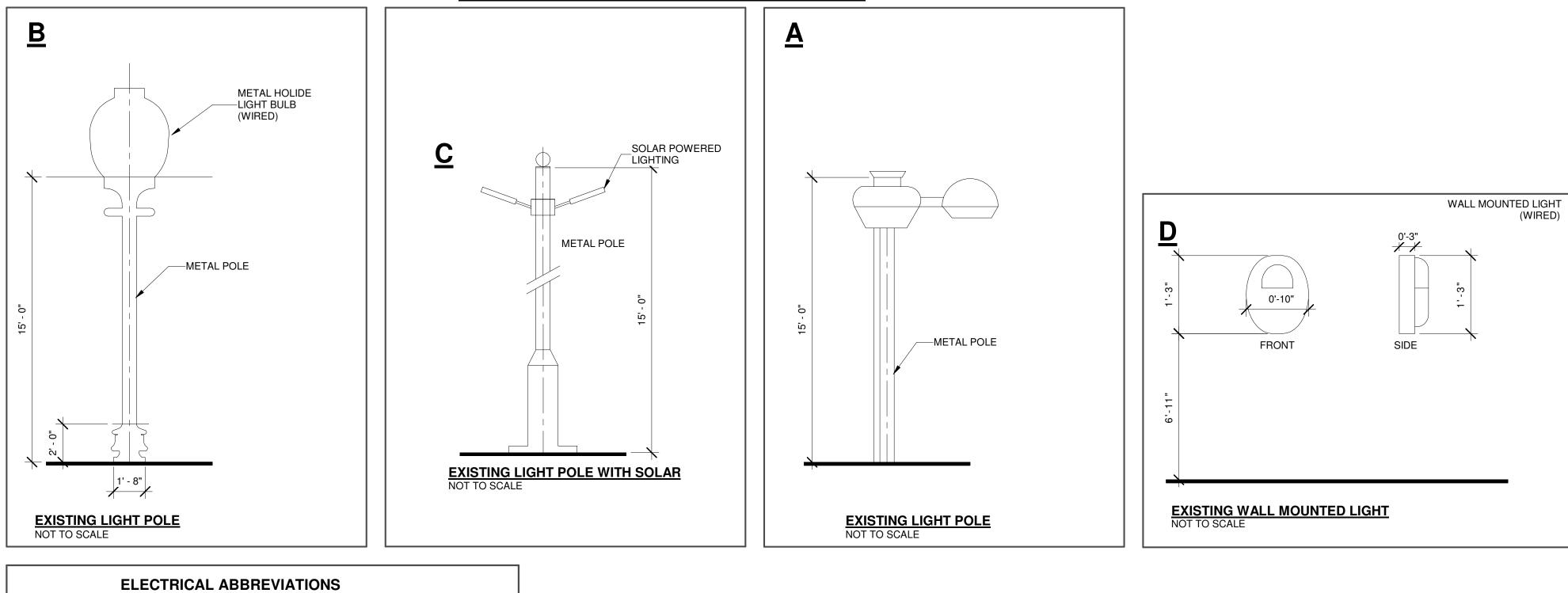
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EXISTING LIGHT POLE DETAILS



TAG	DEFINITION	TAG	DEFINITION	
A/AMP	AMPERAGE	MCB	MAIN CIRCUIT BREAKER	-
AC	ALTERNATING CURRENT	MCC	MOTOR CONTROL CENTER	
AFF	ABOVE FINISHED FLOOR	MCCB	MOLDED CASE CIRCUIT BREAKER	
AFG	ABOVE FINISHED GRADE	MH	METAL HALIDE	
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MIN	MINIMUM	1
AIC	AMPS INTERRUPTING CURRENT	MLO	MAIN LUGS ONLY	
AL	ALUMINUM	NA	NOT APPLICABLE	1
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRIC CODE	
AWG	AMERICAN WIRE GAUGE	NIC	NOT IN CONTRACT	1
С	CONDUIT	NL	NEW LOCATION OF EXISTING RELOCATED	
CATV	CABLE TELEVISION	NR	NEW TO REPLACE EXISTING	
C/B	CIRCUIT BREAKER	NTS	NOT TO SCALE	
СМ	CEILING MOUNT	Р	POLE	AND POWER FOR TIME CLOCK IN
СТ	CURRENT TRANSFORMER	PE	PRIMARY ELECTRICAL SERVICE	CONDUITS. SEE ELECTRICAL
CU	COPPER	PH	PHASE	DRAWINGS FOR MORE
DN	DOWN	PNL	PANEL	
DWG	DRAWING	PVC	POLYVINYL CHLORIDE CONDUIT	
EXTG	EXISTING	RE	REMOVE EXISTING	
Е	EXISTING TO REMAIN	RGS	RIGID GALVANIZED STEEL CONDUIT	
ELEC	ELECTRICAL	RL	RELOCATE EXISTING	
ELEV	ELEVATOR	RM	ROOM	DP-1
EMT	ELECTRICAL METALLIC TUBING	RR	REMOVE AND REPLACE ON NEW SURFACE	
FA	FIRE ALARM	SE	SECONDARY ELECTRICAL SERVICE	
FACP	FIRE ALARM CONTROL PANEL	SPEC	SPECIFICATION	
G/GND	GROUND	SWBD	SWITCHBOARD	
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION	PROVIDE OVERRIDE "ON"-/ TOGGLE SWITCH
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION	
HP	HORSE POWER	T/TX	TRANSFORMER	
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL	EXTERIOR LIGHTING CONTRO 1.CONTACTOR:ALLEN BRADLE
ΗZ	HERTZ	V	VOLTS	2.SOLID STATE RELAY CONTRO
IG	ISOLATED GROUND	VA	VOLT AMPERE	3.DIGITAL TIME CLOCK: INTERN
KCMIL	THOUSAND CIRCULAR MILS	W	WIRE	
KVA	KILOVOLT AMPERE	WG	WIRE GUARD	EXTERIOR LIGHTING &
KW	KILOWATT	WP	WEATHER PROOF	NTS
MAX	MAXIMUM			

NEW LIGHTING FIXTURE SCHEDULE

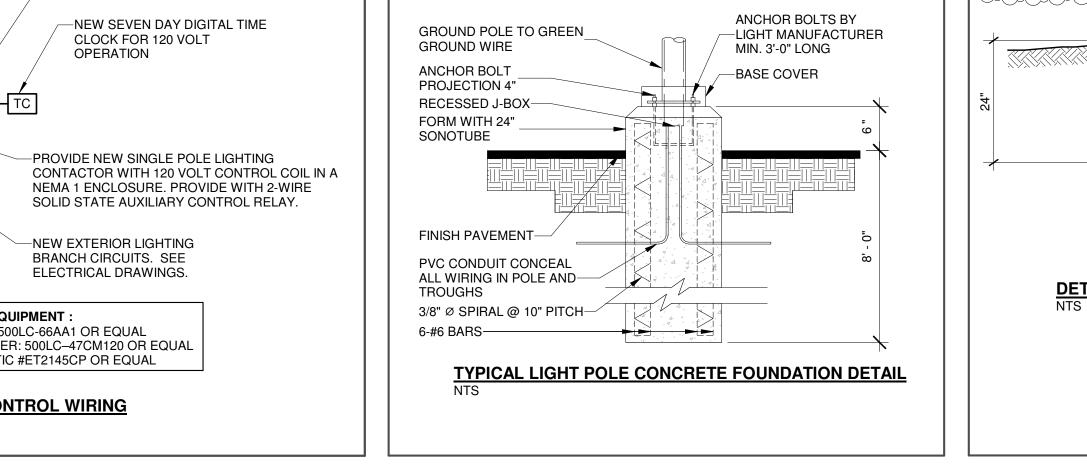
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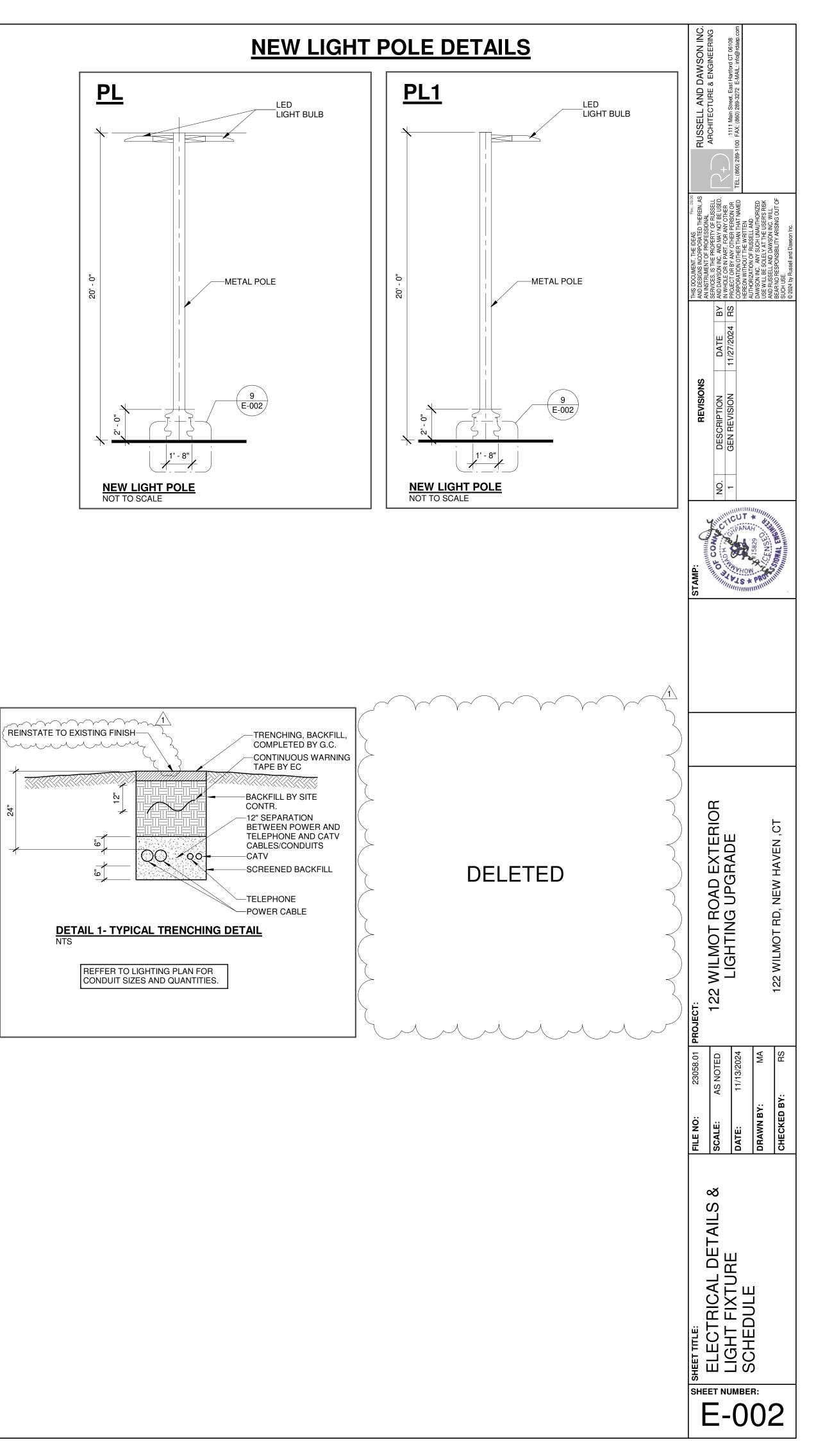
REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR LIGHTING FIXTURE LAYOUT AND INSTALLATION ARRANGEMENT. VERIFY LIGHT FIXTURE TRIM WITH ARCH AND CEILING TYPE. CONTRACTOR TO COORDINATE WITH ARCHITECT FOR ALL TYPE OF CEILING CONSTRUCTIONS PRIOR TO BID AND PRIOR TO ORDER LIGHTING FIXTURES.

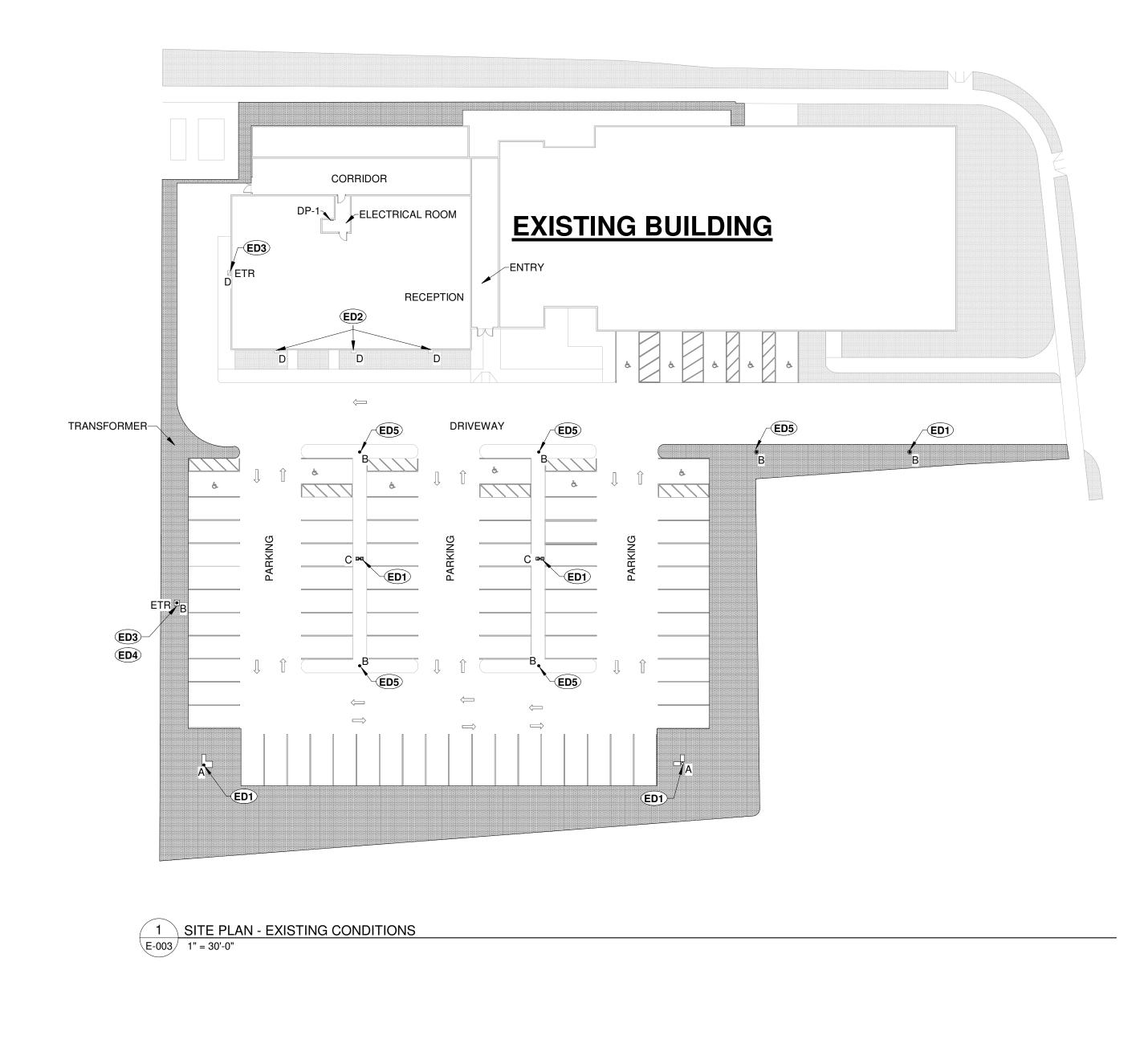
3. ALL FINISHES AND COLOR OF ALL FIXTURES SHALL BE SELECTIONS BY ARCHITECT, UNLESS NOTED OTHERWISE (UNO).

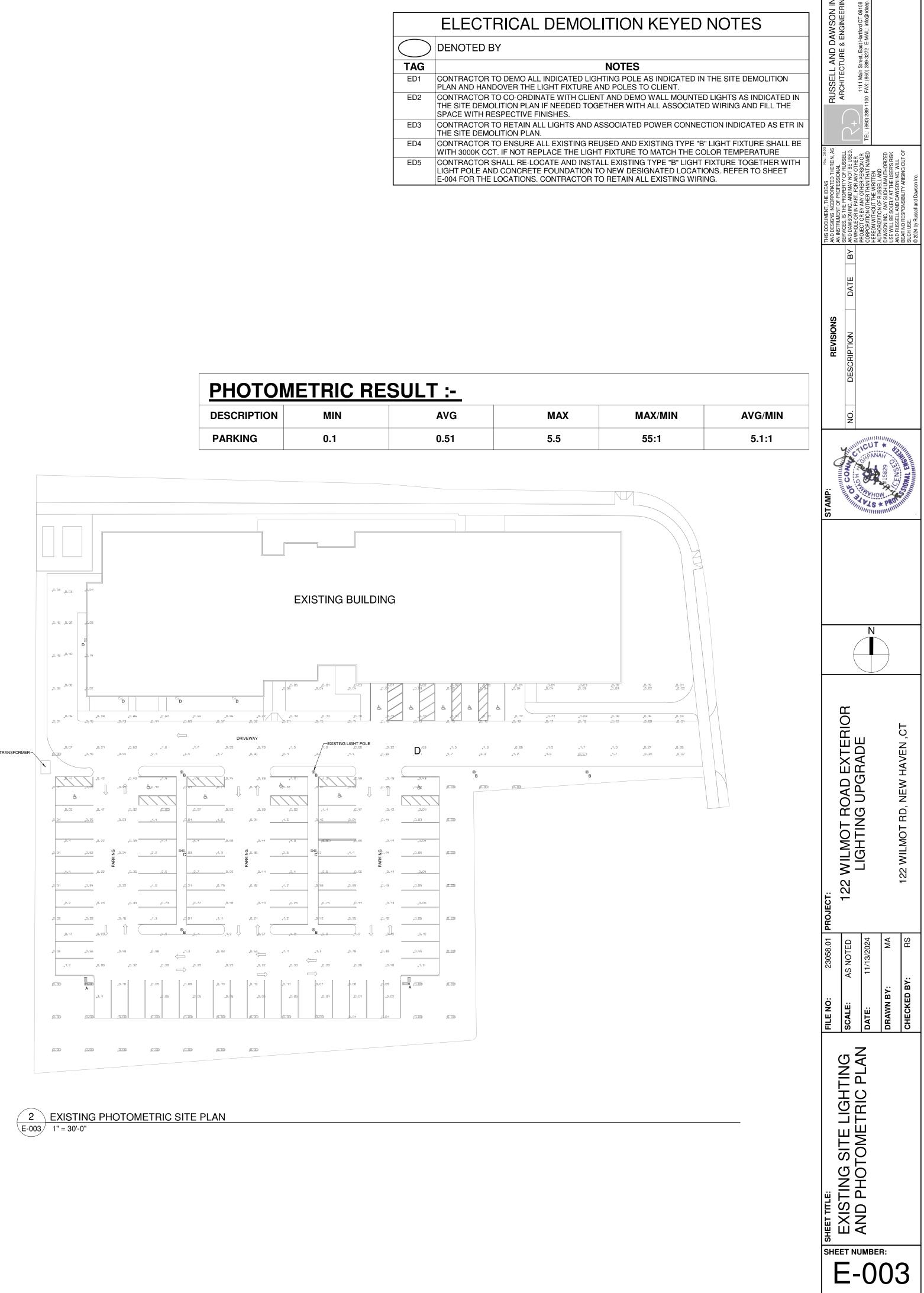
 ALL LIGHTING F ALL LIGHTING F ALL EXIT SIGNS LIGHT FIXTURE D 	IXTURE SUBSTITUTIONS SHALL IXTURES SHALL QUALIFY FOR U SHALL BE CIRCUITED TO A NON DESIGNATED WITH SUB LETTER	PROVIDE AESTHETIC APPEARANCE EQ ITILITY POWER COMPANY'S HIGHEST A I-SWITCHED LIGHTING CIRCUIT UNLESS	S OTHERWISE NOTED. GHTING SENSOR. LIGHT FIXTURE SHALL BE DIMMED TO F	OF THE ARCHITECT.	TIME OF INSTA	LLATION.				
TYPE MARK	E-MANUFACTURER	E-CATALOG NO.	E-DESCRIPTION OF LIGHT	E-DIMMING DRIVER	E-VOLTS	E-LOAD	E-LUMENS	E-CCT	E-CRI	E-COMMENT
PL	GARDCO	OPF-S-A02-730-T4W	EXTERNAL POLE MOUNTED SITE AND AREA LUMINAIRE WITH AUTOMATIC PROFILE DIMMING , PHOTOCELL CONTROL AND EXTERNAL HOUSING SHIELD	0-10	120 V	108 VA	8558	3000K	70	2 NO. LIGHT FIXTURE
PL1	GARDCO	OPF-S-A02-730-T2M-HIS	EXTERNAL POLE MOUNTED SITE AND AREA LUMINAIRE WITH AUTOMATIC PROFILE DIMMING , PHOTOCELL CONTROL AND EXTERNAL HOUSING SHIELD	$O_{-1}O$	120 V	54 VA	8941	3000K	70	1 NO.LIGHT FIXTURE
									$\bigvee \\$	$\bigvee \bigvee \bigvee$
			DELETED							

-CONTROL CIRCUIT IN RACEWAY

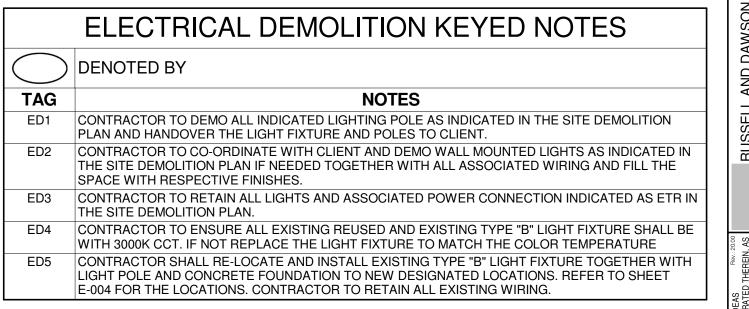


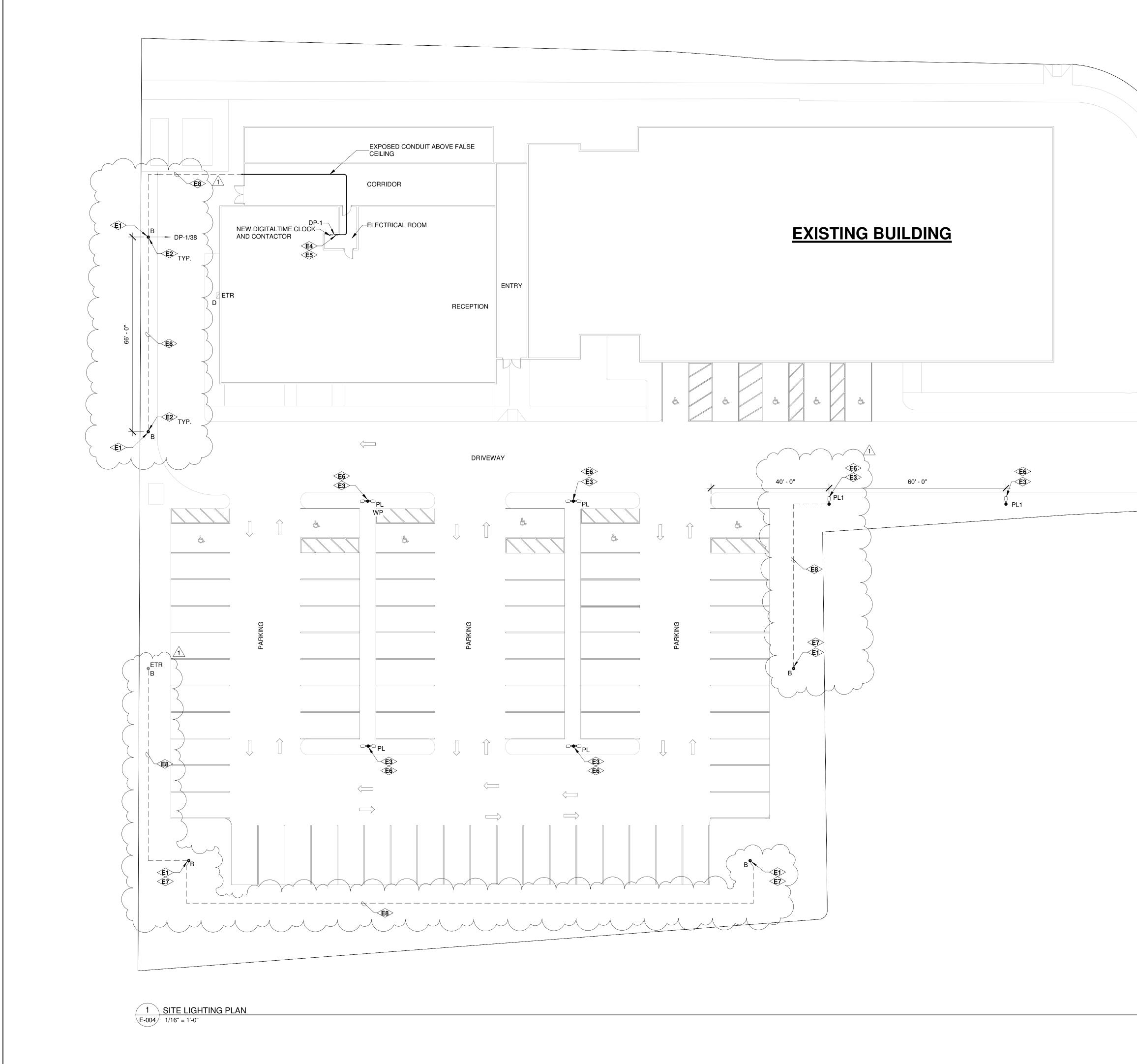












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CONSTRUCTION KEYED NOTES							
	ENOTED BY						
TAG	NOTES						
E1	CONTRACTOR SHALL RE-LOCATE AND INSTALL EXISTING TYPE "B" LIGHT FIXTURE TOGETHER WITH LIGHT POLE AND CONCRETE FOUNDATION TO NEW DESIGNATED LOCATIONS AS INDICATED IN THE SITE LIGHTING PLAN. ANY DAMAGED LIGHTING POLE SHALL BE REPLACED IF FOUND NECESSARY. TOUCH-UP PAINT SHALL BE PROVIDED AFTER RE-LOCATION OF THE LIGHTING POLES. CONTRACTOR TO ENSURE ALL EXISTING REUSED LIGHT FIXTURE SHALL BE WITH 3000K CCT. IF NOT REPLACE THE LIGHT FIXTURE TO MATCH THE COLOR TEMPERATURE						
E2	CONTRACTOR SHALL PROVIDE NEW POWER CONNECTION FOR RE-LOCATED LIGHTING POLES AS INDICATED IN THE SITE LIGHTING PLAN. REFER TO SITE PLAN FOR THE PANEL AND CIRCUIT DETAILS.						
E3	CONTRACTOR SHALL FURNISH AND INSTALL NEW 20 FEET LIGHTING POLE AND LIGHT FIXTURES IN THE DESIGNATED LOCATIONS AS INDICATED IN THE SITE LIGHTING PLAN. REFER TO LIGHT FIXTURE SCHEDULE IN SHEET E-002 FOR THE FIXTURE DETAILS.						
E4	CONTRACTOR TO FURNISH AND INSTALL NEW 1P, 20A BREAKER IN THE EXISTING SPACE PROVISION (FEEDER-38) OF DP-1 PANEL.						
E5	CONTRACTOR SHALL PROVIDE NEW CONTACTOR, TIME CLOCK AND OVERRIDES SWITCH FOR CONTROLING NEW EXTERIOR LIGHTING CIRCUIT.						
E6	CONTRACTOR SHALL RE-USE EXISTING WIRING FOR PROVIDING POWER CONNECTION FOR ALL NEW AND RE-LOCATED LIGHTING POLES AS INDICATED IN THE SITE PLAN.						
E7	CONTRACTOR SHALL PROVIDE NEW WIRING LOOP FROM NEAREST LIGHTING POLE TOGETHER WITH ALL ASSOCIATED CIVIL WORKS FOR RE-LOCATED LIGHTING POLE AS INDICATED IN THE SITE LIGHTING PLAN.						
E8	THE CABLE ROUTE INDICATED IN THE SITE LIGHTING PLAN IS INDICATIVE. CONTRACTOR TO VERIFY AT SITE FOR ANY SITE CONSTRAINTS AND RE-LOCATE CABLE ROUTING ACCORDINGLY.						

GENERAL NOTES:-

1. CONTRACTOR SHALL BE HELD STRICTLY RESPONSIBLE FOR ASCERTAINING THE EXISTENCE OF ANY UNDERGROUND UTILITY CONDUITS OR PIPELINES BEFORE COMMENCING WITH ANY DIGGING AND EXCAVATION WORKS.

2. EXACT ROUTING OF MECHANICAL, ELECTRICAL AND SPECIALITY SYSTEMS UNDERGROUND SERVICES SHALL BE CO-ORDINATED WITH RESPECTIVE UTILITY COMPANY BEFORE THE SITE CONTRACTOR PROCEEDS WITH REQUIRED TRENCH AND BACKFILL WORK.

3. SITE CONTRACTOR TO REGRADE, REPAIR AND RESEED GRASS TO MATCH EXISTING SURROUNDINGS.

CABLE LEGEND

ТС

CABLE TRENCH

ELECTRICAL PANEL

DIGITAL TIME CLOCK

122 WILMOT ROAD EXTERIOR LIGHTING UPGRADE , CT VEN ΗA ≥ ШZ RD, 122 WILMOT I3/2024 MA SCAI DATE DRA AN Ч LIGHTING SITE неет тиle NEW sheet number: E-004

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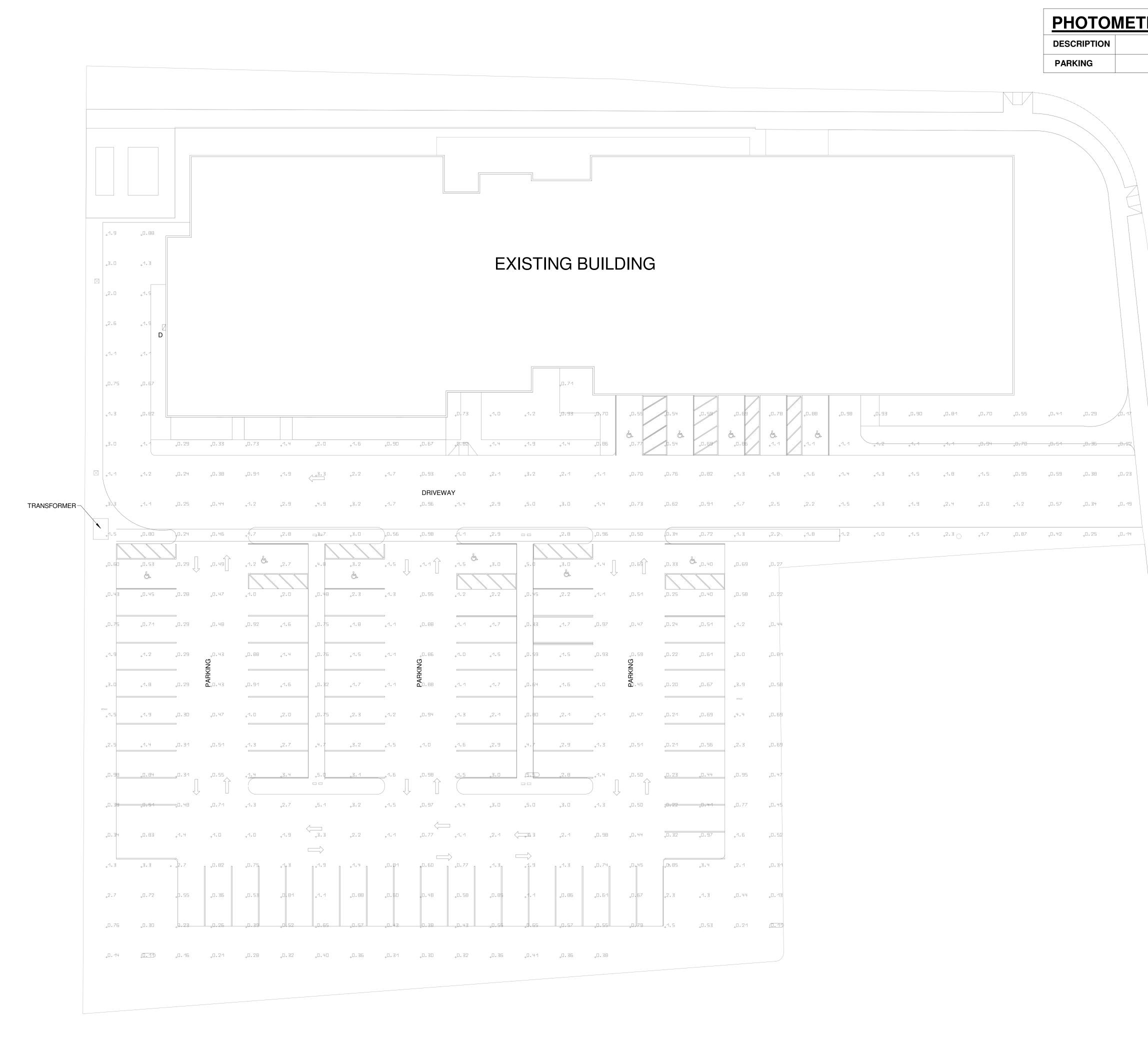
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DATE BY 11/27/2024 RS

DESCRIPTION GEN REVISION

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1 NEW PHOTOMETRIC SITE PLAN E-005 1/16" = 1'-0"

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RIC RES	ULT :-			MF - 0.7	/SON If GINEERIN rd CT 06108 : info@rdaep
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0.11	1.24	5.5	51.5:1	11.6:1	STAMF: BATAMF: Instruction Instruction </td
					FILE NO: 23058.01 PROJECT: SCALE: AS NOTED PROJECT: SCALE: AS NOTED 122 WILMOT ROAD EXTERIOR DATE: 11/13/2024 LIGHTING UPGRADE DRAWN BY: MA 122 WILMOT RD, NEW HAVEN ,CT CHECKED BY: R 122 WILMOT RD, NEW HAVEN ,CT
					SHEET NUMBER: BLEAN SHEET NUMBER: E-005



Part V. Procurement Process

1. Bid Evaluation/Contract Award

The low bid will be evaluated in accordance with the requirements of the IFQ. The low bid will be evaluated to determine the responsiveness to the requirements of the IFQ. If the bid does not conform to the solicitation, it must be rejected, and bid will be examined for responsiveness.

The contract will be awarded based on the best interest of 360 Management.

360 Management will award a contract resulting from this solicitation to the responsible offeror whose offer conforming to the solicitation will be most advantageous to 360 Management, cost or price and other factors, specified elsewhere in this solicitation, considered. 360 Management reserves the right to request additional information which may include an interview.

360 Management may

- 1. Reject any or all offers if such actions are in 360 Management's interest,
- 2. Accept other than the lowest offer,
- 3. Waive informalities and minor irregularities in offers received, and

Award more than one contract for all or part of the requirements stated



Invitation for Quotes

360M-25-IFQ-2032 Wilmot Lighting-122 Wilmot Road, New Haven, CT

Company Name:
Address:
City, State & Zip Code:
Telephone:
Fax Number:
Contact Person Name:
Email Address:
Date Submitted:
Shenae Draughn President

	CONCEPTUAL COST ESTIM 122 Wilmot Rd., New Have							
SL NO.	DESCRIPTION	QTY.	Unit	Unit Price	Total Cost			
A	SITE MOBILIZATION COST							
A-1	SITE MOBILIZATION AND ASSESSMENT COST	-	-	-	Ş			
otal Cos					\$			
В	CIVIL CONSTRUCTION COST							
B-1	Cable Laying				\$			
B-1.1	Cable Trench Excavation	500	L.F	-	\$			
B-1.2	Sand Bedding	23	Cu. Yard	\$	\$			
B-1.3	Backfill and Re-instatement	25	Cu. Yard	\$	\$			
B-2	Supply and Installation cost for pre-cast lighting pole foundation	6	EA	\$	\$			
otal Civil	Construction Cost	•	•	•	\$			
С	ELECTRICAL CONSTRUCTION COST							
C-1	Supply and Installation cost for following Type Light Poles together with Brackets and Light Fixture.				\$			
C-1.1	Type "PL" Light Pole	4	EA		1			
C-1.2	Type "PL1" Light Pole	2	EA					
C-2	Cost for Re-location and Installation of Existing Type "B" light fixture with pole and foundation.	5	EA					
C-3	Demolition Cost for 15' Height Light Poles	8	EA					
C-4	Supply and Installation Cost for Cable installation in trench upto the panel.	800	L.F					
C-5	Cost for installation of E.M.T conduits inside building	100	L.F					
C-6	Supply and Installation cost for adding new 20A MCB in the existing panel	1	EA					
C-7	Supply and Installation cost for adding new Timer clock for new external lighting circuit	1	EA					
C-8	Grounding of poles		LUM					
	trical Construction Cost		Dom		\$			
0101 2100					Ŷ			
otal Dire	ct Cost				\$			
onstructio	n Administration	5%	1					
	on Contingency (CM@R)	15%	-					
scalation		13%	<u> </u>					
	ce - CM@R	8%			1			
	ation Fund	3%	İ					
0H & P		15%						
OTAL CO	INSTRUCTION COST				\$			
					1			
OFT COS	TS							
ommissio								
1oving (M ond Coun	iscellaneous)							
	sel Fees Fixture and Equipment		<u> </u>					
	ations Technology Hardware		<u> </u>		1			
wner Con		5%			<u> </u>			
otal Soft	Cost							
rand T	otal Project Costs							