

ADDENDUM 3

Oklahoma City Airport Trust
Oklahoma City, Oklahoma

Registry Building Exterior Lighting Mike Monroney Aeronautical Center Project No. OCAT WRWA 2428

APPROVAL RECOMMENDED:



Director of Airports



ATTEST:

OKLAHOMA CITY AIRPORT TRUST:

Trust Secretary

Trust Chairman

REVIEWED for form and legality.



Assistant Municipal Counselor/
Attorney for the Trust

ADDENDUM 3

JULY 16, 2024

REGISTRY BUILDING EXTERIOR LIGHTING MIKE MONRONEY AERONAUTICAL CENTER PROJECT NO. OCAT WRWA 2428	FRANKFURT-SHORT-BRUZA ASSOCIATES, P.C. 5801 BROADWAY EXTENSION SUITE 500 OKLAHOMA CITY, OKLAHOMA, 73118
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Items in this addendum take precedence over the original bid documents. Items not specifically revised remain in effect.

GENERAL

- ITEM 1-1 The drawings originally issued under Addendum 1 were not legible and are reissued under Addendum 3. These drawings are marked as revised under Addendum 1 and dated June 14, 2024.
- ITEM 1-2 The specification revisions listed below result from the changed bid opening date that was issued under Addendum 2.

SPECIFICATIONS

- ITEM 1-3 Section OCAT 00020 is revised to update the bid opening date to July 24, 2025.
- ITEM 1-4 Section OCAT 00501 is revised to update the estimated completion date of the project due to the revised bid opening date.

END OF ADDENDUM 3

SOLICITATION FOR BIDS

Notice is hereby given that the OKLAHOMA CITY AIRPORT TRUST will electronically receive sealed bids for:

**PROJECT NO. OCAT WRWA 2428
Registry Building Exterior Lighting
Mike Monroney Aeronautical Center
FOR
OKLAHOMA CITY AIRPORT TRUST
OKLAHOMA CITY, OKLAHOMA**

in the OFFICE OF THE CITY CLERK, Municipal Building, 200 North Walker Avenue, Oklahoma City, Oklahoma, 73102, until **10:00:00 a.m. on the ~~26th day of June, 2024~~ 24th day of July, 2024**. Bids shall be opened electronically at the above stated time for receipt of bids or as soon thereafter as practicable.

Bids shall be made in accordance with the Bidding Documents, which are on file with the City Clerk and available for examination at www.periscopeholdings.com/s2g.

Bidders shall pre-register for electronic bidding at www.periscopeholdings.com/s2g. Bidders shall be prequalified pursuant to Ordinance No. 26,614 approved by the City Council on December 8, 2020, or qualified as otherwise specified in the Bidding Documents. All affidavits and certifications identified and listed herein as Bidding Documents shall be properly executed and accompany the bid of each Bidder.

Bids electronically deposited more than ninety-six (96) hours, excluding Saturdays, Sundays, and holidays, before the time set for opening of bids, as well as bids received after the time set for opening of bids, will not be considered.

The OKLAHOMA CITY AIRPORT TRUST reserves the right to reject any and all bids and to waive any and all informalities.

A MANDATORY Pre-Bid Conference for the subject project will be held in the OCAT Conference Room in Building 226 (west side of the Thomas P. Stafford Parking Lot) at the Mike Monroney Aeronautical Center, 6500 S. MacArthur Boulevard, Oklahoma City, OK 73169, at 10:00 a.m. on June 5, 2024. Enter the facility through the Commercial Vehicle Inspection CVI Gate (5935 SW 74th Street, Oklahoma City, OK 73169) and allow extra time to gain access to the campus. The only planned site visit will immediately follow the Pre-Bid Conference.

A cashier's check, certified check, irrevocable letter of credit, or surety bond payable to the OKLAHOMA CITY AIRPORT TRUST in the amount of five percent (5%) of the total bid shall accompany the bid of each Bidder. Bid Security will be returned to unsuccessful Bidders. The Bidder shall forfeit its bid security in the amount of five percent (5%) of the bid amount for failure to deliver to the Oklahoma City Airport Trust a properly executed agreement, bonds, and certificate(s) of insurance within ten (10) days of written notification of the Award of Contract to Bidder.

The TRUST may require up to forty-five (45) days from receipt of bids to award of contract.

The Oklahoma City Airport Trust, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders or offerors that it will affirmatively ensure that, for any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and no business be discriminated against on the grounds of race, color, or national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in consideration for an award.

This is not a Federally funded project.

END OF SECTION

CONSTRUCTION CONTRACT
(AGREEMENT)

This Construction Contract ("Contract" or "Agreement") is ___ day of _____, 20___, between [NAME OF CONTRACTOR] ("Contractor") and the Trustees of the Oklahoma City Airport Trust ("Trust").

WITNESSETH:

That the Contract and the Trust, for the consideration hereinafter named, agree as follows:

ARTICLE 1: SCOPE OF THE WORK

The Contractor shall furnish all materials and perform all work shown on the Drawings and described in the Project Manual, including addenda thereto, which are incorporated into this Contract as if fully set forth herein, and which are entitled:

Project No. OCAT WRWA 2428
Registry Building Exterior Lighting
Mike Monroney Aeronautical Center

hereinafter called the "Project," as prepared by Frankfurt-Short-Bruza Associates, P.C. ("Architect/Engineer"), and shall do everything required by this Contract. The bidding on and supervision of construction of this Contract shall be under the supervision of the Architect/Engineer.

ARTICLE 2: TIME OF COMPLETION

The work to be performed under this Contract shall be commenced on the first day after a written "Notice to Proceed" is issued from the Trust, by and through the Director of Airports, and shall obtain Final Acceptance by the Trust within one hundred twenty (120) calendar days ("Time of Completion"). The estimated completion date is ~~January 6, 2025~~ **February 3, 2025**, but the actual completion date will be based on the number of calendar days from the date of the Notice to Proceed.

ARTICLE 3: CONTRACT SUM

The Trust shall pay the Contractor for the performance of the contract in current funds the total sum of

[Contract Amount Text] Dollars

[\$[Contract Amount Numbers].

ARTICLE 4: DAMAGES

It is mutually agreed between the parties that time is of the essence with this Contract. The Project described in Article 1 shall obtain Final Acceptance by the Trust in accordance with the Time of Completion established in Article 2. Should the Project not be completed by the established Time of Completion, the Contractor agrees to have deducted or withheld from payments owed to the Contractor Liquidated Damages, not a penalty, of one thousand five hundred Dollars (\$1,500.00) per Calendar Day, beginning the first day after the Time of Completion and continuing for each day thereafter until the Project is completed.

ARTICLE 5: THE CONTRACT DOCUMENTS

The Drawings and the Project Manual, including any Bidding Documents referred to in Article 1 herein, are a part of this Contract as if hereto attached and herein repeated. This Contract is based on the Drawings and the Project Manual dated May 23, 2024 and addenda thereto dated 00.00.0000.

It is agreed that changes, additions, or deletions may be made to the Drawings and the Project Manual, and work to be performed, only upon an agreement executed in writing entered into by parties to this Contract.

ARTICLE 6: CLAIM OR INVOICE AFFIDAVIT

Each monthly estimate for payment must contain, or have attached, an affidavit as required by Senate Bills 469 of the 1974 legislature and 189 of the 1975 legislature, executed on a form similar and essentially the same as that found in the Project Manual.

ARTICLE 7: ASSIGNMENT

Contractor may not assign this Contract without the express written approval of the Trust.

ARTICLE 8: FAA MANDATORY PROVISIONS

A. GENERAL CIVIL RIGHTS PROVISIONS

In all its activities within the scope of its airport program, the Contractor agrees to comply with pertinent statutes, Executive Orders, and such rules as identified in the Title VI List of Pertinent Nondiscrimination Acts and Authorities to ensure that no person shall, on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance. This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

The above provision binds the Contractors and subcontractors from the bid solicitation period through the completion of the contract.

B. COMPLIANCE WITH NONDISCRIMINATION REQUIREMENTS

During the performance of this Contract, the Contractor, for itself, its assignees, and successors in interest, agrees as follows:

1. Compliance with Regulations: The Contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this Contract.
2. Non-discrimination: The Contractor, with regard to the work performed by it during the Contract, will not discriminate on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the [Title VI] Nondiscrimination Acts and Authorities, including employment practices when the Contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
3. Solicitations for Subcontracts: Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the Contractor's obligations under this Contract and the [Title VI] Nondiscrimination Acts and Authorities on the grounds of race, color, or national origin.

4. Information and Reports: The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Trust or the Federal Aviation Administration to be pertinent to ascertain compliance with such [Title VI] Nondiscrimination Acts, Authorities, and instructions. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the Trust or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of a Contractor's noncompliance with the Non-discrimination provisions of this Contract, the Trust will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
 - a. Withholding payments to the Contractor under the Contract until the Contractor complies; and/or
 - b. Cancelling, terminating, or suspending a Contract, in whole or in part.
6. Incorporation of Provisions: The Contractor will include the provisions of [Paragraph 8B, subparagraphs] one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the Trust or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Contractor may request the Trust to enter into any litigation to protect the interests of the Trust. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

C. TITLE VI LIST OF PERTINENT NONDISCRIMINATION ACTS AND AUTHORITIES

During the performance of this Contract, the Contractor, for itself, its assignees, and successors in interest agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 USC § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination in Federally-Assisted Programs of the Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 USC § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973 (29 USC § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27 (Nondiscrimination on the Basis of Disability in Programs or Activities Receiving Federal Financial Assistance)

- The Age Discrimination Act of 1975, as amended, (42 USC § 6101 *et seq.*) (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-259) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990 (42 USC §§ 12101, *et seq.*) (prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration’s Non-discrimination statute (49 USC § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations);
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs [70 Fed. Reg. 74087 (2005)];
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 USC § 1681, *et seq.*).

ARTICLE 9: MISCELLANEOUS PROVISIONS

- A. Notices, Consents, and Approvals – Notices or other communications to the Trust pursuant to the provisions hereof shall be sufficient if sent by (i) registered or certified mail, postage prepaid, (ii) by a nationally recognized overnight courier, or (iii) facsimile transmission, addressed to the Oklahoma City Airport Trust, Will Rogers World Airport, 7100 Terminal Drive, Unit 937, Oklahoma City, Oklahoma 73159-0937, Telecopy (405) 316-3311; and bills, statements, and notices or communications to the CONTRACTOR shall be sufficient and irrefutably deemed received if sent by U.S. Postal Service regular mail, postage prepaid, whether or not actually accepted, or if hand-delivered, to [Contractor Street Address], [Contractor City, State ZIP]; or to such respective addresses as the parties may designate in writing from time to time.
- B. Non-Waiver – The waiver by Trust of any breach by the Contractor of any term, covenant, provision, or condition hereof shall not operate as a waiver of any subsequent breach of the same or a waiver of any breach of any other covenant, term, provision, or condition hereof, nor shall any forbearance by Trust to seek a remedy for any breach by Contractor be a waiver by Trust of its rights and remedies with respect to such or any subsequent breach of the same or with respect to any other breach.

- C. Binding Effect – This Contractor shall be binding upon the parties on the date of its execution by Contractor and Trust and shall inure to the benefit of and be binding upon Trust, Contractor, and their respective successors and assigns, if such assignments shall have been made in conformity with the provisions and conditions of this Contract.
- D. Severability – In the event any terms, covenants, conditions, or provisions of this Contract shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other term, covenant, condition, or provision hereof.
- E. Entire Agreement; Modification Hereof – This Contract (including the Exhibits hereto) expresses the entire understanding of Trust and the Contractor concerning the Contract and all agreements of Trust and of Contractor with each other, and neither Trust nor Contractor has made or shall be bound by any agreement or any representation to the other concerning the Contract which is not expressly set forth in this Contract (including the Exhibits hereto). This Contract (including the Exhibits hereto) may be modified only by a written agreement of subsequent date hereto executed by Trust and Contractor.
- F. Execution of Counterparts – This Contract may be simultaneously executed in several counterparts, each of which shall be an original and all of which shall constitute but one and the same instrument.
- G. Effect of Weekends and Holidays – Whenever this Contract requires any action to be taken on a Saturday, a Sunday, or a Holiday, such action shall be taken on the first business day occurring thereafter in the place where the action is to be taken. Whenever in this Contract the time within which any action is required to be taken or within which any right will lapse or expire shall terminate on a Saturday, a Sunday, or a Holiday recognized by the City of Oklahoma City, such time shall continue to run until 11:59 p.m. on the next succeeding business day.
- H. Descriptive Headings: Table of Contents – The descriptive headings of the sections of this Contract and any table of contents annexed thereto or copies hereof are inserted or annexed for convenience of reference only and do not constitute a part of this Contract, and shall not affect the meaning, construction, interpretation, or effect of this Contract.
- I. Construction and Enforcement – This Contract shall be construed and enforced in accordance with the laws of the State of Oklahoma. Whenever in this Contract it is provided that either party shall or will make any payment or perform or refrain from performing any act or obligation, each such provision shall, even though not so expressed, be construed as an express covenant to make such payment or to perform or not to perform, as the case may be, such act or obligation.
- J. Venue – The parties acknowledge and agree that in the event of any dispute or disagreement that necessitates court intervention, the venue for all litigation shall be the District Court of Oklahoma County, Oklahoma.
- K. Construction of Contract – In the event of ambiguity in any of the terms of this Contract, it shall not be construed for or against any party on the basis that such party did or did not author the same.
- L. Recitals Contractual In Nature – The parties acknowledge and agree that the recitals as contained hereinabove in this Contract are contractual in nature and binding on the parties.

IN WITNESS WHEREOF, the parties hereto have executed this Contract on the day and year first written above.

[NAME OF CONTRACTOR]:

By: _____

Printed Name: _____

Title: _____

ATTEST:

By: _____

Title: _____

APPROVAL RECOMMENDED:

Director of Airports

APPROVED by the Oklahoma City Airport Trust and signed by the Chairman this ____day of _____, 20____.

ATTEST:

OKLAHOMA CITY AIRPORT TRUST:

Trust Secretary

Chairman

REVIEWED for form and legality.

Assistant Municipal Counselor/
Attorney for the Trust

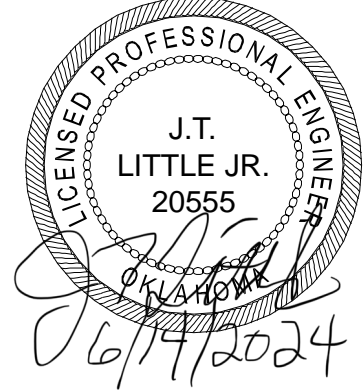
GENERAL NOTES

- A. ALL CIRCUITING AND CONDUIT ROUTING IS DIAGRAMMATICAL AND IS BASED ON 1991 HISTORICAL DRAWINGS.
- B. EXTERIOR LIGHT FIXTURES ARE CONTROLLED BY AN EXISTING ROOF MOUNTED PHOTOCELL POWERED BY A LIGHTING CONTACTOR IN 1N4MCC AS WELL AS A HAND-OFF-AUTO SWITCH LOCATED IN ELEC. ROOM 103.
- C. NEW PULL BOX LOCATIONS ARE DIAGRAMMATICAL.
- D. EXISTING POLES ARE CONNECTED TO INDICATED PHASES BASED ON 1991 HISTORICAL DRAWINGS. PHASE INDICATED AT EACH FIXTURE DENOTES THE 480V SINGLE PHASE COMPONENT OF THE 480V THREE PHASE LIGHTING CIRCUIT.
- E. VERIFY ELECTRICAL LOAD IS BALANCED BETWEEN PHASES AND UPDATE PANEL SCHEDULES WHEN RENOVATED CIRCUITING IS COMPLETED.
- F. ANY REQUIRED TREE TRIMMING FOR INSTALLATION OF NEW LIGHT FIXTURES SHALL BE COORDINATED WITH OCAT. TREE TRIMMING TO BE PERFORMED BY OCAT.
- G. ALL NEW CONDUITS SHALL BE ROUTED AT A MINIMUM OF 18" BFG UNO.
- H. HATCHED REGION INDICATES DECOMPOSED GRANITE WALKWAY. PROVIDE NEW SEALANT FOR DECOMPOSED GRANITE AFTER CONSTRUCTION IS COMPLETED. BASIS OF DESIGN: GRAVEL-LOK CLEAR PERMEABLE BINDER.
- I. REUSE PRESERVED CONTROLS AND WIRING FOR EXTERIOR LIGHTING CIRCUITS. EXTEND AS NECESSARY TO MAINTAIN INTENDED FUNCTIONALITY.
- J. CONTRACTOR SHALL INDICATE ON PROJECT RECORD DRAWINGS WHICH PHASE EACH PEDESTRIAN LIGHT POLE IS CONNECTED TO ALONG WITH THE LOAD PER PHASE ASSOCIATED WITH EACH LIGHT FIXTURE.
- K. CONTRACTOR TO VISIT SITE PRIOR TO BID IN ORDER TO FAMILIARIZE THEMSELVES WITH SITE CONDITIONS.
- L. EXISTING ANCHOR BOLTS SHALL BE REUSED IF ANY ANCHOR BOLTS ARE IN POOR OR IN UNUSABLE CONDITION CONTRACTOR SHALL CONTACT ARCHITECT FOR FURTHER DIRECTION.

SHEET KEYNOTES

1. EXISTING UNDERGROUND CONDUIT TO REMAIN. RE: 1/ED101 FOR EXISTING WIRE SIZE.
2. LOCATE AND EXPOSE EXISTING CONDUIT TO INSTALL NEW 12"x12"x8" OPEN BOTTOM CONCRETE POLYMER HANDHOLE WITH TIER 8 COVER. RE: 4/ES402. CONTRACTOR SHALL USE UL LISTED WET RATED DIRECT BURY SPLICE CONNECTORS.
3. 2-#8 & 1-#10E.G..
4. NEW 1" PVC CONDUIT FROM HANDHOLE TO NEW LIGHT. DIRECT BURIAL AND ROUTED AT A MINIMUM OF 18" BFG. RE: 3/ES402.
5. NEW LIGHT FIXTURE, POLE AND POLE BASE. RE: 1/ES402.
6. NEW LIGHT FIXTURE AND POLE. COORDINATE LIGHT POLE BASE PLATE HOLE PATTERN WITH EXISTING ANCHOR BOLT PATTERN PRIOR TO ORDERING NEW LIGHT POLES.
7. CEILING MOUNTED REMOTE EMERGENCY LIGHT TEST BUTTON FOR BASE FIXTURE COORDINATE WITH OCAT FOR EXACT LOCATION.
8. NEW LIGHT FIXTURE, POLE AND POLE BASE. RE: 2/ES402.
9. NEW 1" PVC CONDUIT FROM HANDHOLE TO NEW HANDHOLE. DIRECT BURIAL AND ROUTED AT A MINIMUM OF 18" BFG. RE: 3/ES402.
10. HATCHED REGION INDICATES AREA OF DECOMPOSED GRAVEL.

Frankfurt-Short-Bruza Associates, P.C.
5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
405.840.2931 | fsb-a@com
Engineering Co. - CA1072 Exp. 06/30/2024
Architectural Co. - CA00199 Exp. 06/30/2024



REGISTRY BUILDING EXTERIOR LIGHTING
Mike Monroney Aeronautical Center
Oklahoma City, Oklahoma

REVISION HISTORY:

NO.	DESCRIPTION	DATE
1	ADDENDUM 01	06/14/2024

PROJECT INFORMATION:

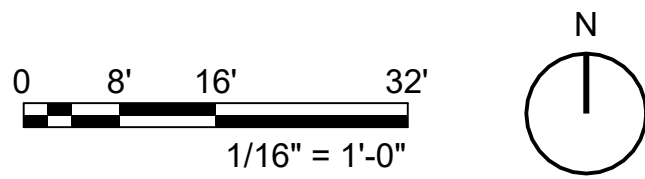
DESIGNED BY: SMS
DRAWN BY: MMS
REVIEWED BY: JTL
PROJECT MANAGER: CAW

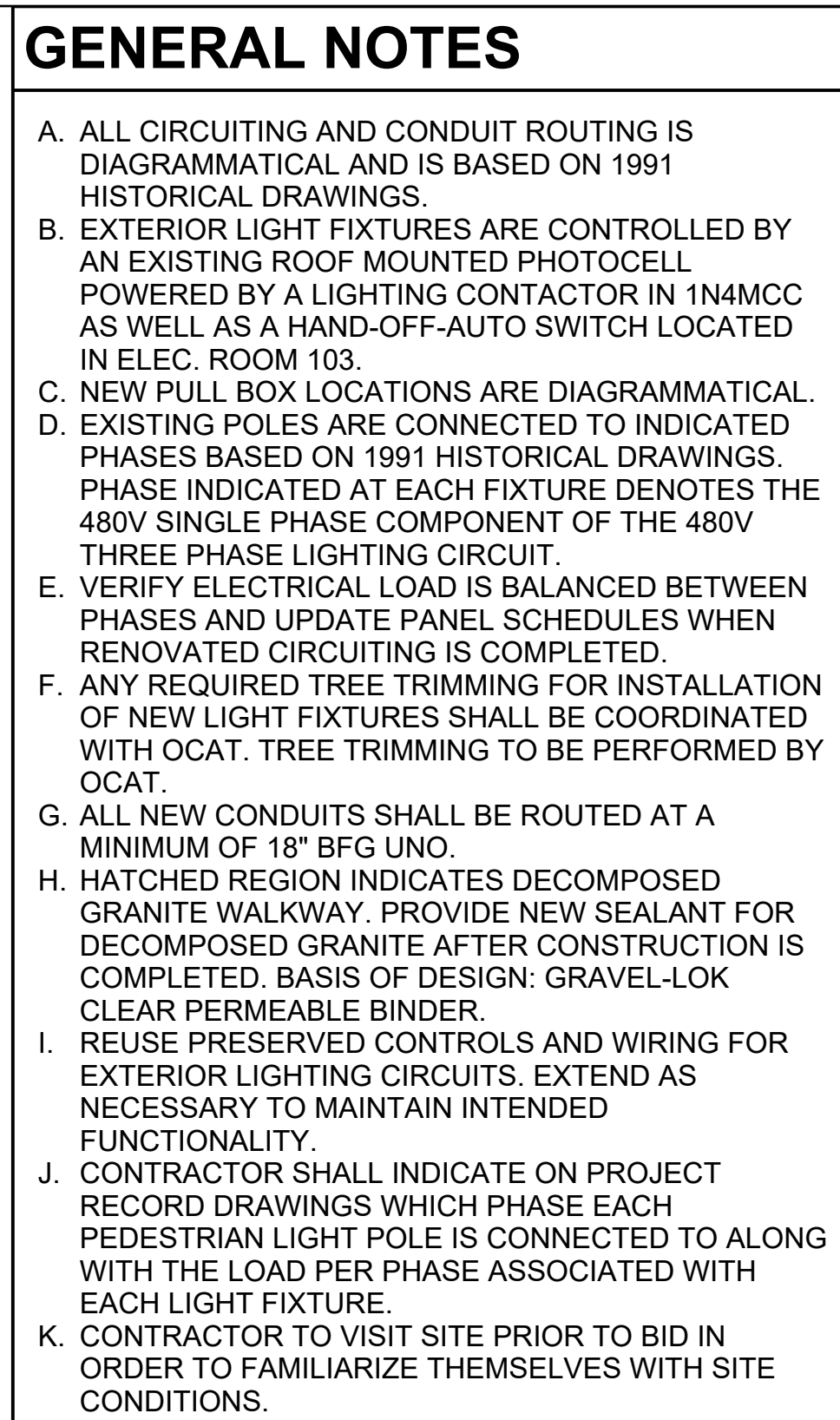
PROJECT NUMBER:
2021-508-50
SHEET TITLE:
ELECTRICAL SITE PLAN

ISSUE DATE:
MAY 23, 2024
SHEET NUMBER:

ES101

1 ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'-0"

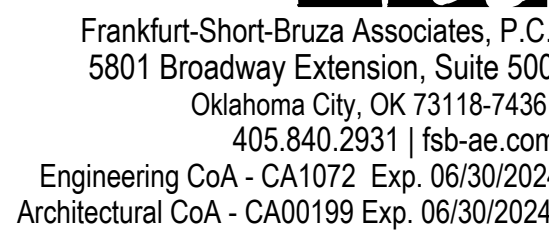
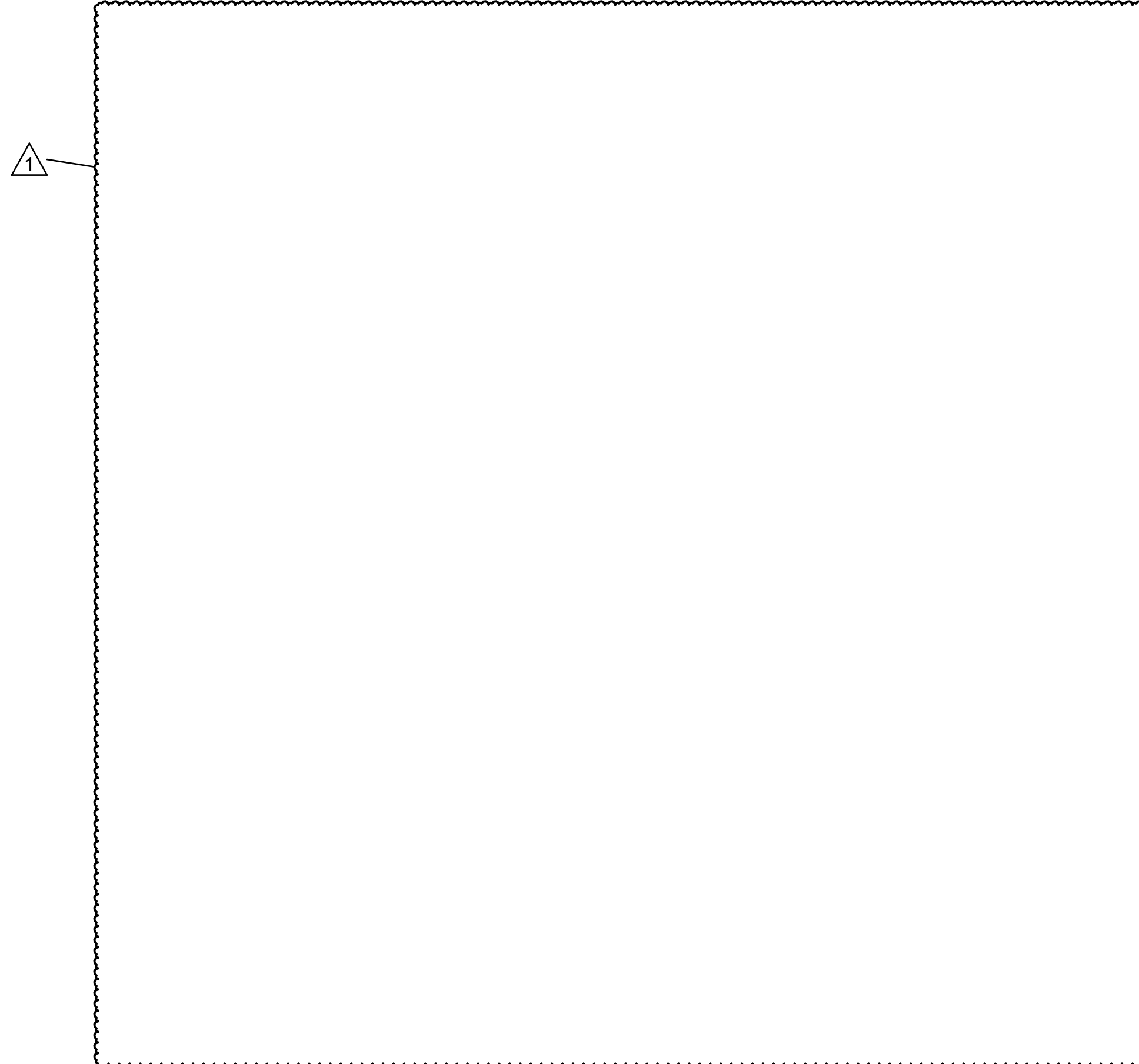




1. CONNECTING LINE REPRESENTS CIRCUITING FROM 1991 HISTORICAL DRAWINGS AND INDICATES THE CIRCUIT IS FED FROM LIGHTING CONTACTOR IN 1N4MCC.
2. CEILING MOUNTED EMERGENCY LIGHT TEST SWITCH FOR REED DOWNLIGHTS AT ENTRANCES. COORDINATE WITH OCAT FOR EXACT LOCATION.



ENLARGED EAST ENTRY LIGHTING
 SCALE: 1/8" = 1'-0"



REGISTRY BUILDING EXTERIOR LIGHTING
Mike Monroney Aeronautical Center
Oklahoma City, Oklahoma

[illegible]

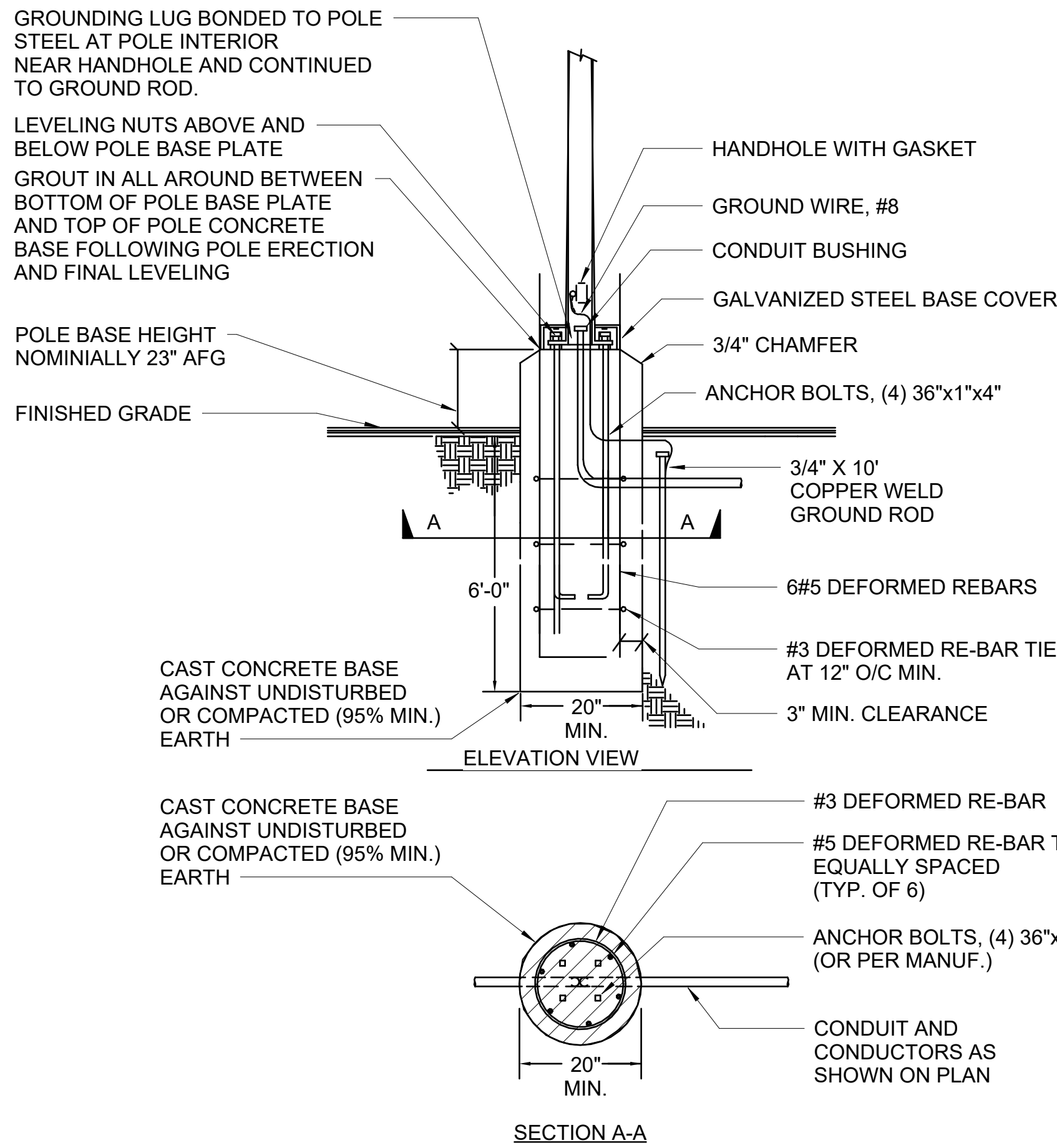
PROJECT INFORMATION:	
DESIGNED BY:	SMS
DRAWN BY:	MMS
REVIEWED BY:	JTL
PROJECT MANAGER:	CAW

ISSUE DATE:
MAY 23, 2024
SHEET NUMBER:

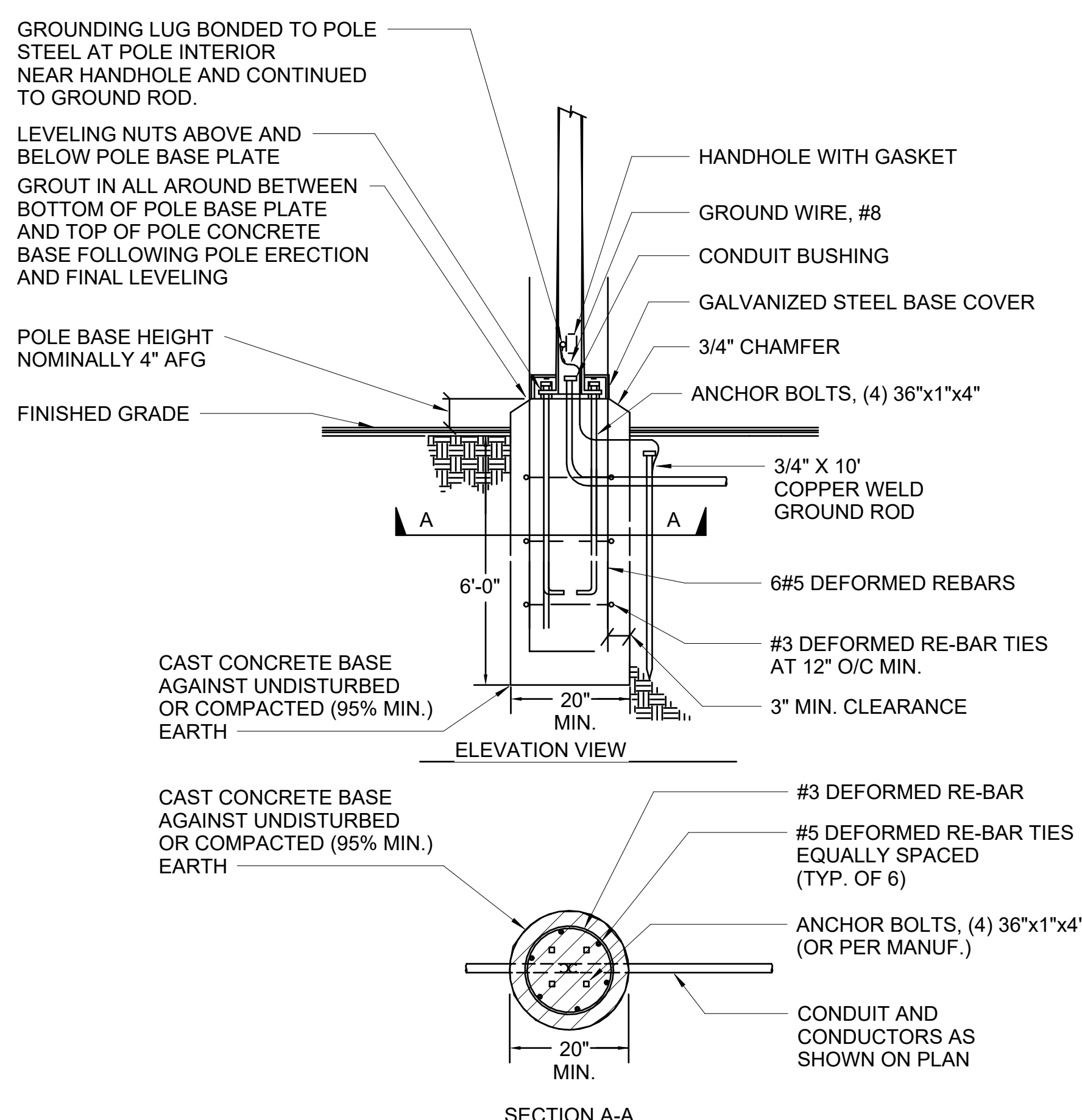
ES401

LIGHTING FIXTURE SCHEDULE

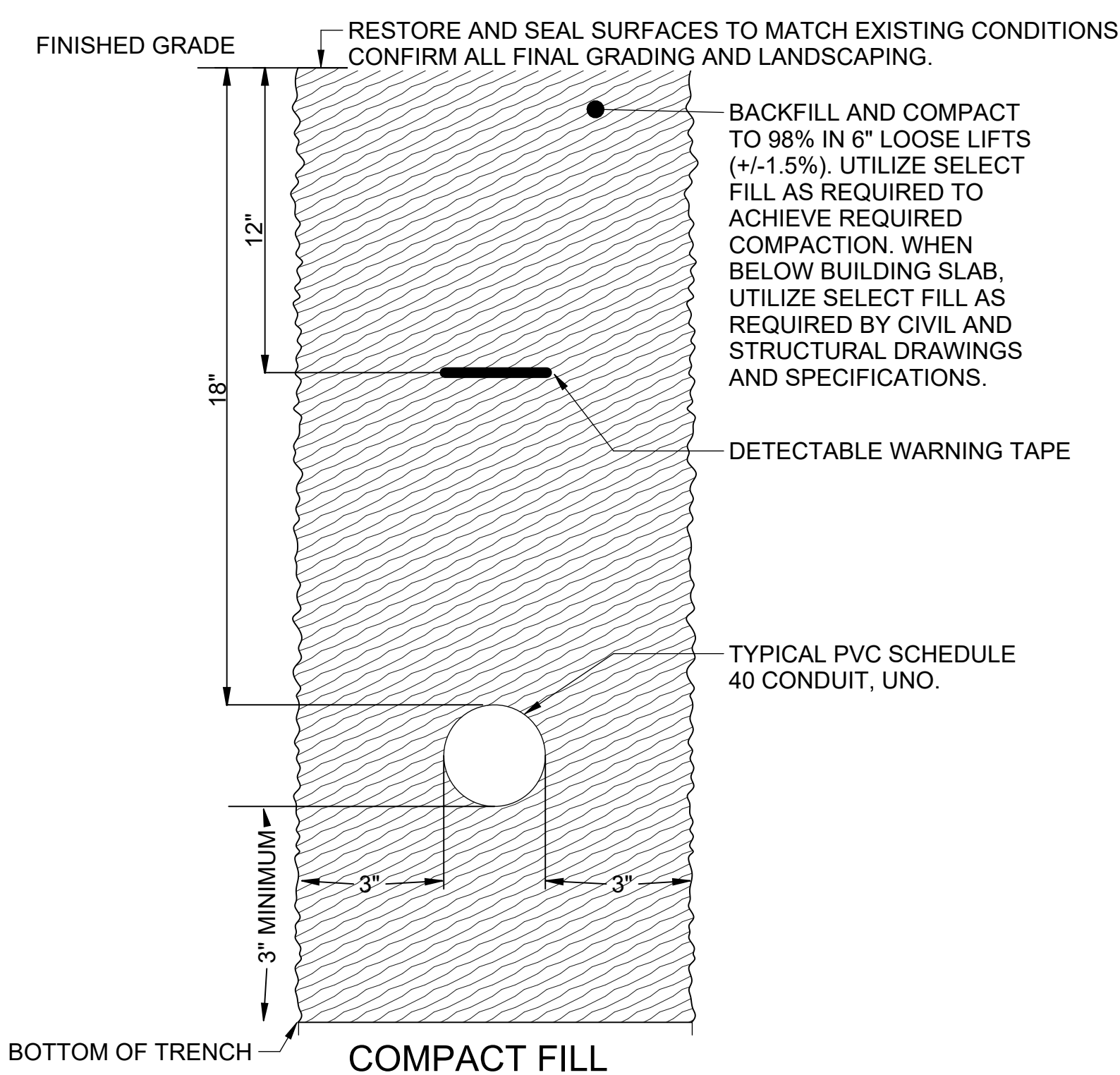
ID	MANUFACTURER	PART NUMBER	DESCRIPTION	VOLTAGE	LIGHT SOURCE	LUMENS	MOUNT	COLOR TEMPERATURE	CRI	WATTAGE	DIMMING	REMARKS
P12-2	LSI INDUSTRIES	ENM4-PT-2-LED-10L-40-UNV-WHT // 4RP-S10G-12-S-WHT-AB KIT 122582	(1) POLE LIGHT POST TOP LIGHT; TYPE II LIGHT DISTRIBUTION; WHITE FINISH; CALCULATED LIFE: L70 > 100,000 HRS. IESNA LM79 AND LM80; FIVE YEAR WARRANTY; // 4" DIAMETER ROUND STRAIGHT STEEL POLE; 10GA. STEEL; 12' TALL; WHITE FINISH; INCLUDE VIBRATION DAMPENER; CONTRACTOR TO VERIFY POLE MEETS 100MPH SUSTAINED WINDS WITH 130MPH GUSTS.	480 V	LED	10044 lm	(1) FIXTURE; 12' POLE HEIGHT	4000 K	70	78 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE;
P12-5W	LSI INDUSTRIES	ENM4-PT-5W-LED-10L-40-UNV-WHT // 4RP-S10G-12-S-WHT-AB KIT 122582	(1) POLE LIGHT POST TOP LIGHT; TYPE 5W LIGHT DISTRIBUTION; WHITE FINISH; CALCULATED LIFE: L70 > 100,000 HRS. IESNA LM79 AND LM80; FIVE YEAR WARRANTY; // 4" DIAMETER ROUND STRAIGHT STEEL POLE; 10GA. STEEL; 12' TALL; WHITE FINISH; INCLUDE VIBRATION DAMPENER; CONTRACTOR TO VERIFY POLE MEETS 100MPH SUSTAINED WINDS WITH 130MPH GUSTS.	480 V	LED	10000 lm	(1) FIXTURE; 12' POLE HEIGHT	4000 K	70	78 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE;
P16-2	LSI INDUSTRIES	ENM4-PT-2-LED-10L-40-UNV-WHT // 4RP-S10G-16-S-WHT-AB KIT 122582	(1) POLE LIGHT POST TOP LIGHT; TYPE II LIGHT DISTRIBUTION; WHITE FINISH; CALCULATED LIFE: L70 > 100,000 HRS. IESNA LM79 AND LM80; FIVE YEAR WARRANTY; // 4" DIAMETER ROUND STRAIGHT STEEL POLE; 10GA. STEEL; 16' TALL; WHITE FINISH; INCLUDE VIBRATION DAMPENER; CONTRACTOR TO VERIFY POLE MEETS 100MPH SUSTAINED WINDS WITH 130MPH GUSTS.	480 V	LED	10044 lm	(1) FIXTURE; 16' POLE HEIGHT	4000 K	70	78 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE;
P16-5W	LSI INDUSTRIES	ENM4-PT-5W-LED-10L-40-UNV-WHT // 4RP-S10G-16-S-WHT-AB KIT 122582	(1) POLE LIGHT POST TOP LIGHT; TYPE 5W LIGHT DISTRIBUTION; WHITE FINISH; CALCULATED LIFE: L70 > 100,000 HRS. IESNA LM79 AND LM80; FIVE YEAR WARRANTY; // 4" DIAMETER ROUND STRAIGHT STEEL POLE; 10GA. STEEL; 16' TALL; WHITE FINISH; INCLUDE VIBRATION DAMPENER; CONTRACTOR TO VERIFY POLE MEETS 100MPH SUSTAINED WINDS WITH 130MPH GUSTS.	480 V	LED	10000 lm	(1) FIXTURE; 16' POLE HEIGHT	4000 K	70	78 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE;
R8E	H.E. WILLIAMS	8DR-L20-840-DIM-277-OM-CS-WET/COB REM/10W-8DR-GR-BL	(1) POLE LIGHT POST TOP LIGHT; 8 INCH CONICAL REFLECTOR; RECESSED REMODEL KIT ROTATABLE WALL WASH WITH MEDIUM SPREAD LENS DISTRIBUTION; SEMI SPECULAR CLEAR FINISH; POLISHED FLANGE; BLACK TRIM RING; CULUS DAMP AND WET LOCATION LISTED IN PROTECTED CEILING; IP20 ABOVE FINISHED CEILING; IP64 BELOW FINISHED CEILING; FIVE YEAR LIMITED WARRANTY. 10-WATT EMERGENCY BATTERY WITH IP65 RATED REGRESSED TEST SWITCH	277 V	LED	2000 lm	GYP	4000 K	80	24 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE; SUPPORTS 120/277; REMOTE TEST SWITCH
R8M	H.E. WILLIAMS	8DR-L20-840-277-OM-CS-WET/COB REM/8DR-GR-BL	(1) DOWNLIGHT 8 INCH ROUND; 8 INCH CONICAL REFLECTOR; RECESSED REMODEL KIT ROTATABLE WALL WASH WITH MEDIUM SPREAD LENS DISTRIBUTION; SEMI SPECULAR CLEAR FINISH; POLISHED FLANGE; BLACK TRIM RING; CULUS DAMP AND WET LOCATION LISTED IN PROTECTED CEILING; IP20 ABOVE FINISHED CEILING; IP64 BELOW FINISHED CEILING; FIVE YEAR LIMITED WARRANTY	277 V	LED	2000 lm	GYP	4000 K	80	24 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE; SUPPORTS 120/277
R8W	H.E. WILLIAMS	8DR-L20-840-277-OW-CS-WET/COB REM/8DR-GR-BL	(1) DOWNLIGHT 8 INCH ROUND; 8 INCH CONICAL REFLECTOR; RECESSED REMODEL KIT ROTATABLE WALL WASH WITH WIDE SPREAD LENS DISTRIBUTION; SEMI SPECULAR CLEAR FINISH; POLISHED FLANGE; BLACK TRIM RING; CULUS DAMP AND WET LOCATION LISTED IN PROTECTED CEILING; IP20 ABOVE FINISHED CEILING; IP64 BELOW FINISHED CEILING; FIVE YEAR LIMITED WARRANTY	277 V	LED	2000 lm	GYP	4000 K	80	24 W	0-10V	LUMEN AND WATT PACKAGES LISTED ARE PER FIXTURE; SUPPORTS 120/277



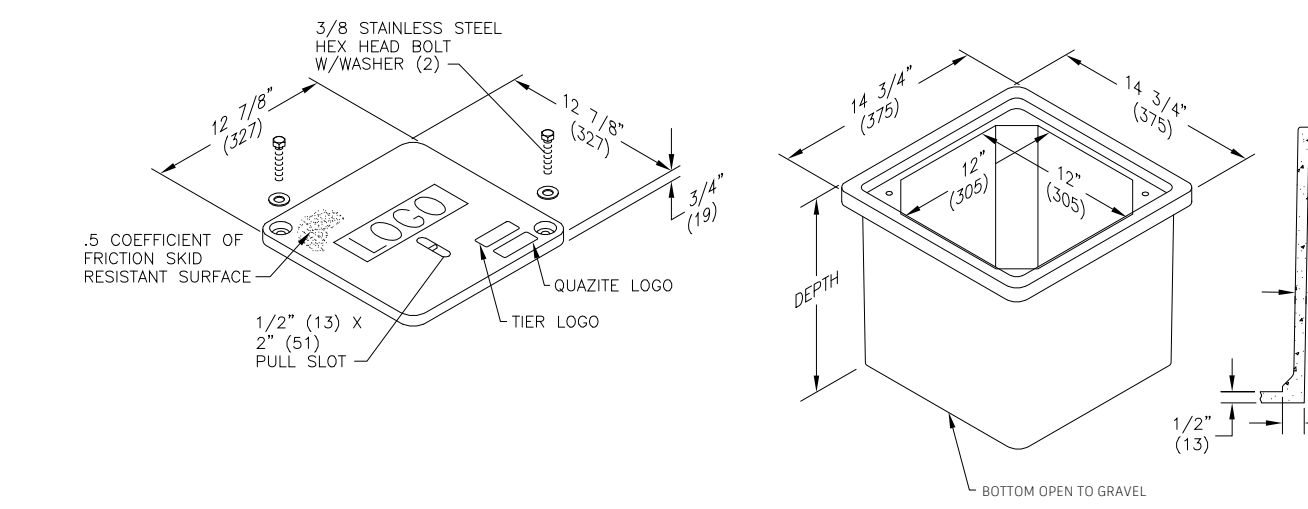
1 TYPICAL PEDESTRIAN POLE BASE 1 DETAIL
SCALE: NTS



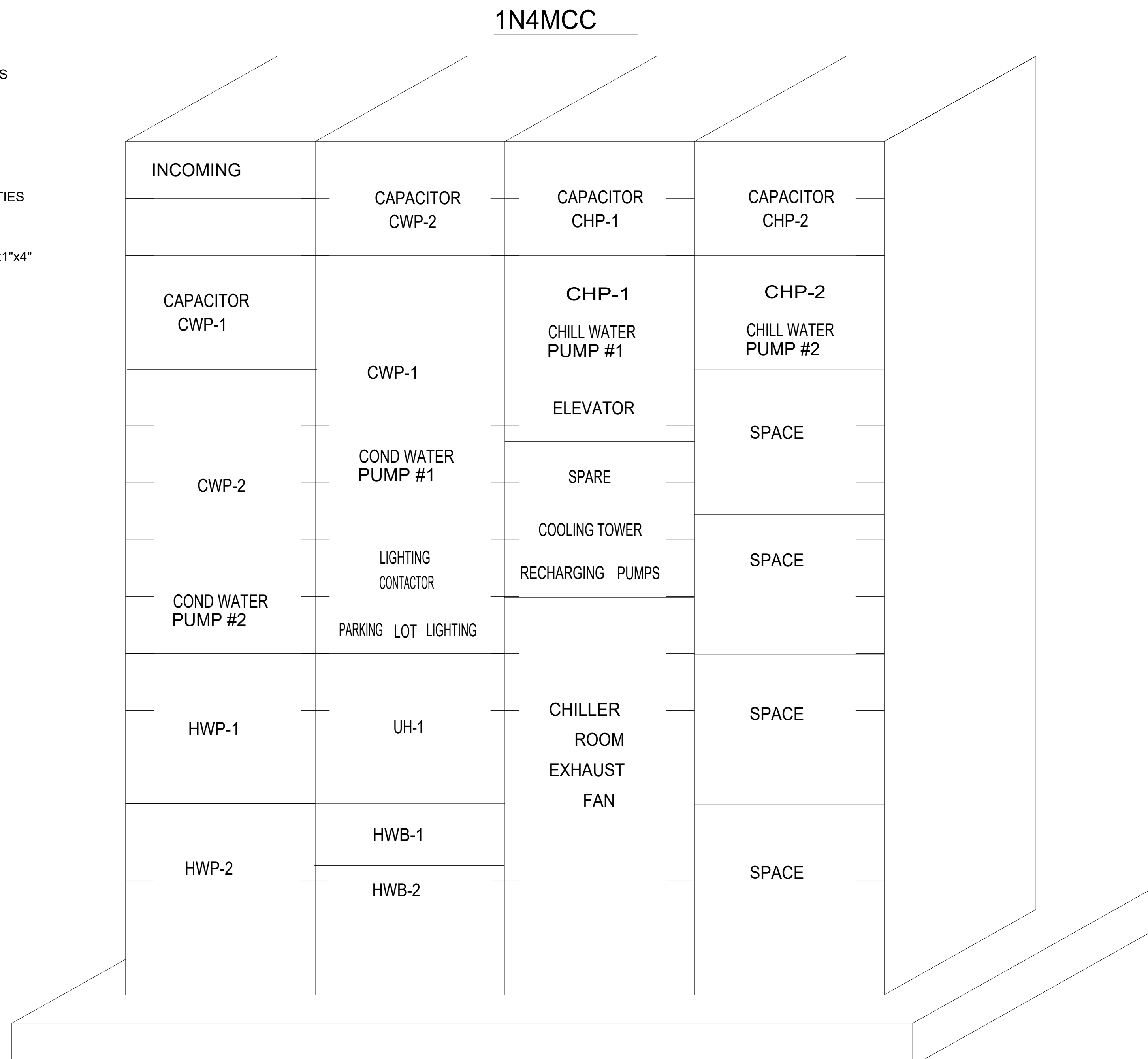
2 TYPICAL PEDESTRIAN POLE BASE 2 DETAIL
SCALE: NTS



3 TYPICAL DIRECT BURIED DUCTBANK DETAIL
SCALE: NTS



4 TYPICAL HANDHOLE DETAIL
SCALE: NTS



5 1N4MCC
SCALE: NTS