



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/30/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Insurance Agency of Mid America Inc 10009 S. Penn, Building E P. O. Box 890300 Oklahoma City OK 73189	CONTACT NAME: Myranda Denny PHONE (A/C, No, Ext): (405) 691-0016 FAX (A/C, No): (405) 691-0415 E-MAIL ADDRESS: mdenny@midamericainc.com														
INSURED Shiloh Enterprises, Inc. 5720 Industrial Blvd. Edmond OK 73034	<table><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A: Continental Insurance Company</td><td>35289</td></tr><tr><td>INSURER B: National Fire Ins Co of Hartford</td><td>20478</td></tr><tr><td>INSURER C:</td><td></td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Continental Insurance Company	35289	INSURER B: National Fire Ins Co of Hartford	20478	INSURER C:		INSURER D:		INSURER E:		INSURER F:	
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COVERAGES**CERTIFICATE NUMBER: 2025****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			7063617821	1/1/2025	1/1/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			7063617818	1/1/2025	1/1/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			7063617835	1/1/2025	1/1/2026	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	N/A	7063617849	1/1/2025	1/1/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: Fire Station 31 - Project No. MB-1478 Replace Fire Station 31

As required by written contract Certificate Holder and it's trusts is Additional Insured as respects General Liability and Auto Liability. Coverage is subject to the insuring agreements, conditions & exclusions in the policy forms.

CERTIFICATE HOLDER

cityclerk@okc.gov

City of Oklahoma City
and it's trusts
420 W. Main Street, 7th Floor
Oklahoma City, OK 73102

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Kyle Reser/MD

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GENERAL CONSTRUCTION
MANAGEMENT

5720 N. I-35 Industrial Blvd.
Edmond, Ok. 73034

405-341-5500 Phone

405-341-7106 Fax

1/28/2025

Fire Station #31 - COR#007

	ADD	DEDUCT
--	-----	--------

HK&S Iron Company

	\$3,350.00	
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Note: No Additional Days are requested.

Subtotal
OH&P 10%

\$3,350.00

Total

\$3,350.00

HK&S IRON COMPANY

6801 South Council Road, Suite B
Oklahoma City, Oklahoma 73169

Phone: (405) 745-2761
Fax: (405) 745-2787

Nick Allison, President
Brian Wallace, Vice President Estimating
Kevin Fisher, Vice President Drafting
Vicki Stewart, Secretary

PROPOSAL

Page 1 of 1

Shiloh Enterprises

Date: January 28, 2025

Attn: Colby

Structure: Lintels

Architect:

Gentlemen:

We propose to furnish the following described structural and miscellaneous steel items required for the above structure, in accordance with the plans, specifications, AISC Code of Standard Practice and the following terms, which upon acceptance by you of the proposal are agreed:

Addendums received: _____ Drawings Dated:

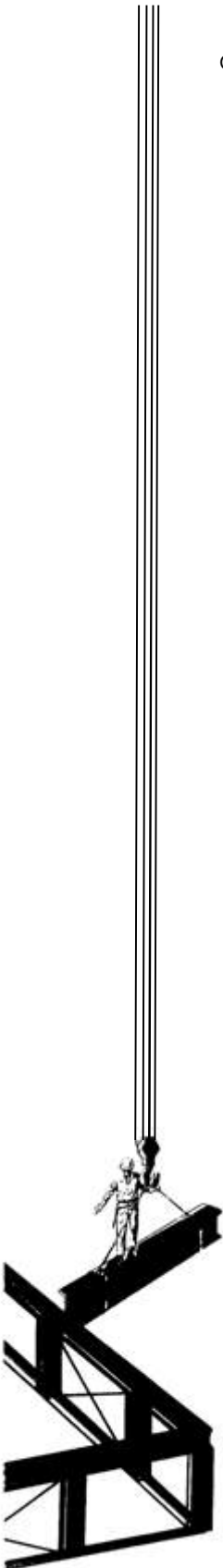
PER YOUR REQUEST:

10 each ANGLE 6 x 6 x 3/8 x 15'-3"
PRIME PAINT RED OXIDE
F.O.B. TRUCK HK&S YARD

FOR THE SUM OF \$ 3,350.00 DOES NOT INCLUDE ANY TAX

RESPECTFULLY;

BRIAN WALLACE



"Fabricators of Structural Steel, Ornamental Iron, Steel Stairs, Steel Railing, and Expanded Metals"
Please visit our website @ www.hksiron.com



GENERAL CONSTRUCTION
MANAGEMENT

5720 N. I-35 Industrial Blvd.
Edmond, Ok. 73034

405-341-5500 Phone

405-341-7106 Fax

2/4/2025

Fire Station #31 - COR#008

	ADD	DEDUCT
--	-----	--------

Clints Welding

	\$5,700.00	
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Note:

Subtotal	\$5,700.00
OH&P 10%	\$570.00

Total

\$6,270.00



3309 SE 59th St
Oklahoma City, OK 73135
Phone:(405) 677-3957
Fax:(405) 672-0187

Change Order#3

Bid Date: 2/4/2025

Proposed To:
Name: Shiloh Enterprises, Inc.
Address: 5720 N. Industrial Blvd.
City/State: Edmond, OK 73034
Contact: Steve Preston
Phone: 405-341-5500
Fax:
Email: steve@shiloh-inc.com

Work to be performed at:
Project: Fire Station 31 Replacement
Address: 720 North Rockwell; Oklahoma City, OK
Plans: Structural, Architectural, Civil
Date of Plans: 9/5/2023
Specs: Division 5
Engineer: Kevin W. Bradley
Addendum: 1

We hereby propose to furnish all material and/or perform the labor necessary for completion of:

SCOPE OF WORK:

STRUCTURAL AND MISCELLANEOUS STEEL INCLUDING:

Adding Deck Support Tubes

FABRICATION ONLY (with DELIVERY) FOR...	\$2,400	(tax exempt)
COMBINED FABRICATION & ERECTION FOR...	\$5,700	

The "Qualifications", "Specific Exclusions" and "Standard Exclusions" below are all part of this proposal. Please read ALL carefully.

** ANY MATERIAL PRICE INCREASE INCURRED BY CLINT'S WELDING, LLC. AFTER THE EFFECTIVE DATE OF THIS BID, WILL BECOME PART OF THIS BID IN THE FORM OF CHANGE ORDERS. NO MARKUP OR ADDITIONAL COST/PROFIT WILL BE ADDED. **

QUALIFICATIONS:

- * **Material Prices Subject to Change Due to Mill Increases and Proposed Tariff's**
- * **Engineering calculations, engineering stamps, or other design work is excluded. Shop drawings are not reviewed or stamped by an engineer.**
- * All items will receive one standard red oxide shop coat after fabrication. Touch up painting after delivery is excluded.
- * Contract drawings requiring multiple RFI's may be subject to additional detailing charges.
- * **If bonding is required, an additional 5% minimum will be added to the total cost.**

All material is guaranteed to be as specified and the above work to be performed in accordance with the drawings and specifications submitted for above work and in accord with the AISC Specification for Structural Steel Buildings 13th Edition, and warranted for 12 months.

Schedule of Earned Values

Description of Work			Value
Project Name:	Fire Station 31 Replacement	Total Job Weight:	0.2 TONS
* Shop Drawings			\$0
* Materials			\$1,600
* Fabrication & Delivery			\$800
* Erection			\$3,300
Sub-Total (not including tax)			\$5,700
plus tax of			\$0
Total			\$5,700

We look forward to working with you,
Tanner Maynard - Project Manager

Note - This proposal may be withdrawn by us if not accepted within 14 days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications, conditions and exclusions below are satisfactory and are hereby accepted. Clint's Welding, LLC. is authorized to do the work as specified.

Company: _____

Signature: _____

Date: _____

Position: _____

DELIVERY

Shop drawings to be submitted for approval **four to five weeks** after order placed and final drawings provided, steel manufactured **four to five weeks** after receipt of approved shop drawings, installation schedule to be coordinated prior to contract.

SUPPLY & INSTALLATION EXCLUSIONS SPECIFIC TO THIS PROJECT

- 1 Light gauge steel framing; Cold formed steel deck support angles. Sheet metal items, metal studs or tracks.
- 2 Standing Seam Roofing.
- 3 Ornamental railing/gate.
- 4
- 5
- 6
- 7
- 8
- 9

STANDARD EXCLUSIONS FOR ALL PROJECTS

- 10 Liquidated Damages of any kind
- 11 Indemnity clauses absolving contractor from any negligence will not be accepted on the project contract
- 12 All ferro and/or RT scanning of existing conditions.
- 13 Premium for nights, weekends, or after-hours work. Proposal based on standard Monday through Friday work week, unless specifically noted otherwise.
- 14 Requirements for AESS finish. Proposal based on standard SSPC-2 cleaning and finish.
- 15 Off-loading of steel deliveries. All labor and equipment to off-load is by others.
- 16 Installation of any and all embedded items.
- 17 Reinforcing steel of any kind
- 18 Surveying and marking of lines, grades, or elevations
- 19 Shoring or shoring materials.
- 20 Items shown on Civil, Landscape, or MEP drawings, such as cast iron grates, frames, and bicycle racks.
- 21 Signs or supports
- 22 Toilet partitions or accessories
- 23 Pre-engineered metal building components or accessories
- 24 Hat or furring channels
- 25 Specialty metals (Aluminum, Brass, Bronze, Copper, Cor-Ten Steel, Stainless Steel, or Wrought Iron)
- 26 Masonry anchors or ties
- 27 Steel allowances or Bonds; Monetary bonds of any kind
- 28 Supply or installation of grout
- 29 Gutters, downspouts, boots, or hanger straps
- 30 Metal windows, doors, louvers, or grilles
- 31 Manhole rings or covers
- 32 Light gauge steel framing; Cold formed steel deck support angles. Sheet metal items, metal studs or tracks.
- 33 All Simpson products.
- 34 Bolts for other trades to attach to our steel
- 35 All costs of inspection or testing other than standard mill test reports
- 36 Sandblasting, Powdercoating, and/or any finish coat (ie:Tnemec) brand paint
- 37 Light poles or anchor bolts for light poles
- 38 Materials not sized or drawn on plans
- 39 Galvanized products may have a non-uniform appearance. All galvanizing meets industry standards. Filling of weep holes is excluded.

STANDARD EXCLUSIONS FOR ALL ERECTED PROJECTS

- 40 Establishment of all control lines, both North & South, East & West at each elevation
- 41 Establishment of reference elevations on slabs or piers for all trades to refer to
- 42 Cleaning of anchor bolts or weld embed plates
- 43 Costs to modify steel for attachment to anchor bolts or embed items installed by others outside tolerances of AISC Code 7.5.x
- 44 Costs of Demolition, Protection, Field Surveying and Dimensioning, or Hazardous Materials Abatement of Existing Structures in accord with AISC Code Section 1.7
- 45 Costs of removal of backing bars in excess of requirements AISC Code 6.3.2
- 46 Field painting of bolt heads and nuts, field welds, abrasions, repairs of damage to painted surfaces, and/or removal of foreign materials due to adverse job site conditions
- 47 Erection, Shoring, or Hoisting of any materials not specifically included in proposal
- 48 Any allowances for steel erection
- 49 Opening or closing of roof penetrations, cuts, alterations or holes in installed material for accommodation of work by others (Specifically RTU Units)
- 50 Installation of wall mounted handrails, or any layout of "Blocking" for mounting Items
- 51 Concrete core drilling
- 52 The correction of minor misfits by moderate amounts of reaming, grinding, welding or cutting, and drawing of elements into line with drift pins, shall be considered normal erection operations in accord with AISC Code 7.14, and will be permitted.
- 53 Additional costs to erect & finish architecturally exposed structural steel (AESS)
- 54 Safety protection for other trades after erection operations are complete; Leading Edge or Any Safety Cable
- 55 Costs of revision or placing on hold fabricated or erected material after it has once been released for construction, or costs of significant delay in fabrication or erection for the convenience of others
- 56 Unless otherwise noted, deck will be fastened to structural steel by powder actuated fastening system.
- 57 All insulation installation is excluded with acoustical or Epic type deck purchase.
- 58 Review OSHA 1926CFR Subpart R for General Contractor responsibilities, including but not limited to: anchor bolt placement, concrete curing, adequate jobsite roads for deliveries and crane set-up, control lines, and finished floor elevation locations.
- 59 Any costs to excavate, fill, re-sod, re-fence, or replace plants and shrubs if damaged in course of normal erection operations.

RFI RESPONSE

Date: February 4, 2025 Job #: 2820G18

To: Colby Gonzales

Company: Shiloh Enterprises, Inc.

Project: MB-1478 Replace Fire Station 31

From: Justin Mitchell



Oklahoma City + Norman

Phone: 405.525.8806

www.maplusarch.com

RFI QUESTION NO. 042 **(received: 2/3/2025)**

On detail 3/S601 it shows the joist to be flush, but that's not possible. The joist sits on top of the girder 2 1/2" above. We need a solution to support the deck

RFI ANSWER Kevin Bradley, KFC

Detail 3/S601 shows the joist sitting on the girder. However that leaves a gap at the joist girder outrigger. KFC takes no exceptions to the proposed solution of adding a HSS 2 1/2x2 1/2x 3/16 tube on top of the joist girders between the ends and the first joist. Attach with a 2" long flare bevel weld every 1'-0", alternating sides.

REQUEST FOR INFORMATION

Date: February 3, 2025

RFI.: 042

Project name: MB-1478 Replace Fire Station 31
720 N. Rockwell Avenue; OKC, OK 73127

CRITICAL

DISTRUBTION/ROUTING:

Contractor to justinm@maplusarch.com
MA+ Architecture

Date
2/3/2025

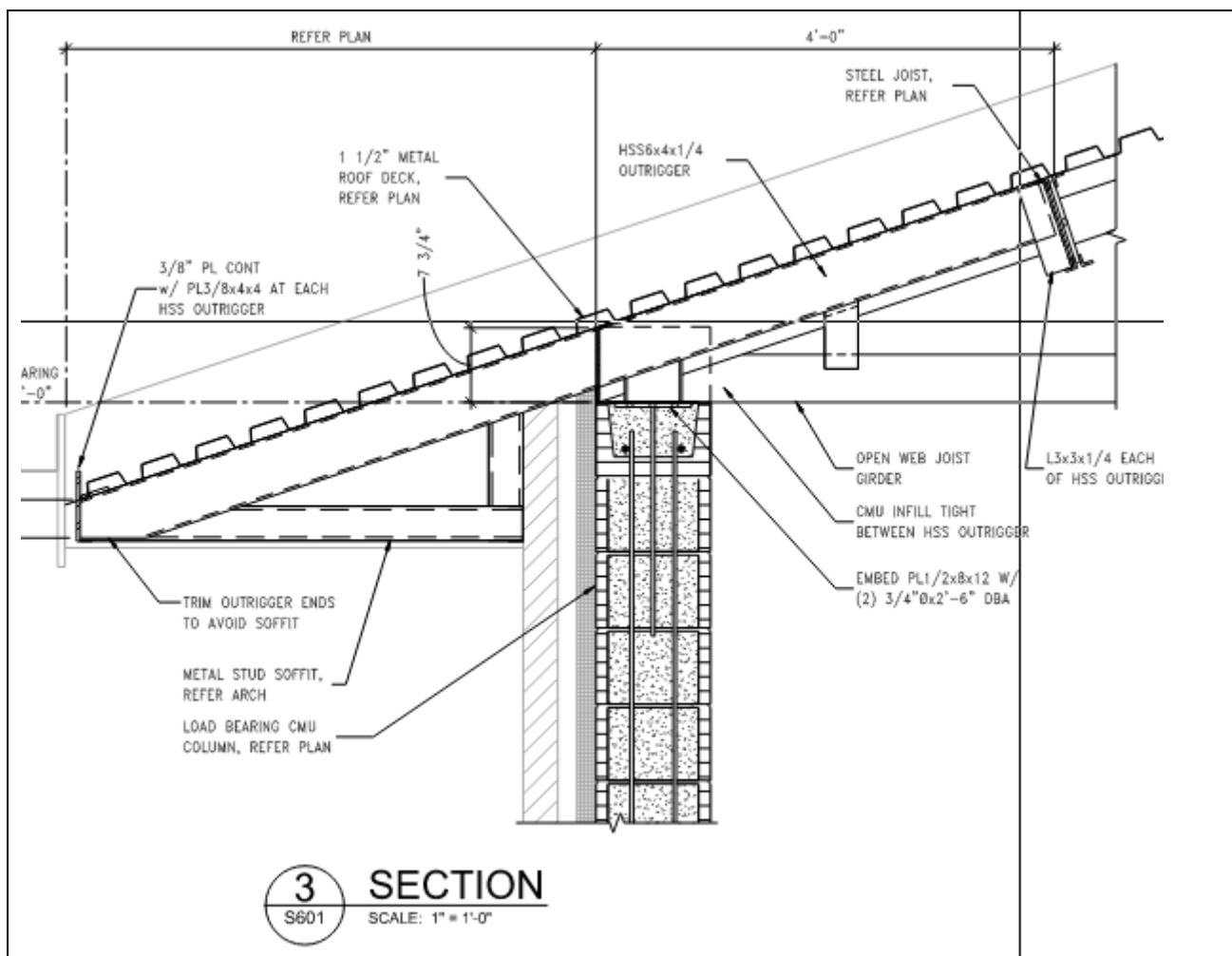
Initials

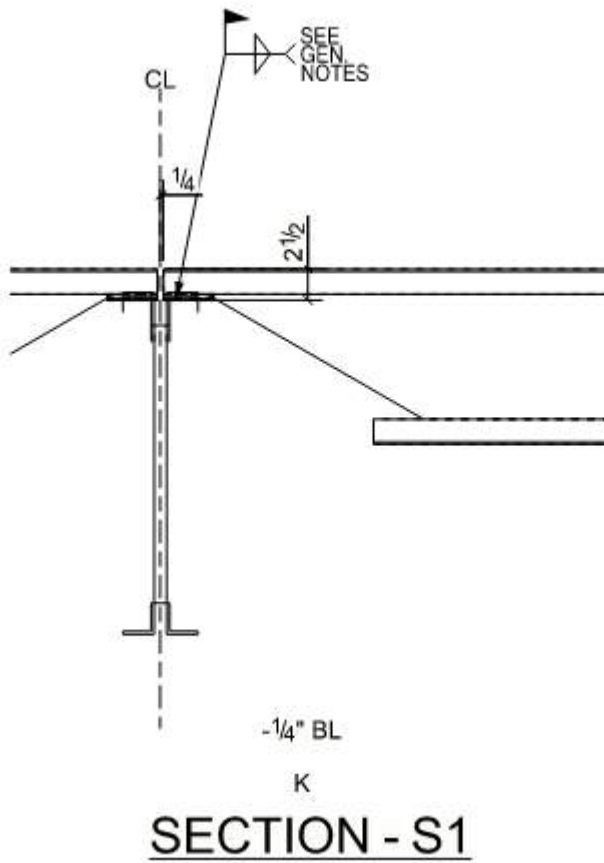
Architect to Contractor - Shiloh Enterprises _____

REQUEST FOR INFORMATION	
Subject: Deck Suppoprt	Drawing Ref: 3/S601
	Spec Ref:
	Shop Dwg Ref:
On detail 3/S601 it shows the joist to be flush, but that's not possible. The joist sits on top of the girder 2 1/2" above. We need a solution to support the deck	
Proposed Solution: adding 2 1/2" tubing on top of the girders and the HSS beams.	
Submitted by: <input type="checkbox"/> Steve Preston	405-613-4943 Cell
X Colby Gonzales	405-405-882-1583 Cell
Attachment:	

Detail 3/S601 shows the joist sitting on the girder. However that leaves a gap at the joist girder outrigger. KFC takes no exceptions to the proposed solution of adding a HSS 2 1/2x2 1/2x 3/16 tube on top of the joist girders between the ends and the first joist. Attach with a 2" long flare bevel weld every 1'-0", alternating sides.

-Kevin Bradley, KFC Engineering





See attached.

Response:

Reviewed By/Date:

Firm:

cc: Steve Preston – steve@shiloh-inc.com
 Colby Gonzales – colby@shiloh-inc.com
 Sherry Boyer – sherry@shiloh-inc.com
 James Sweatt – james@shiloh-inc.com
 Lowe Runkle – lowe.runkle@okc.gov

Shiloh Enterprises, Inc.
 5720 N Industrial Blvd; Edmond, OK 73034
 PH: 405-341-5500 FAX: 405-341-7106





GENERAL CONSTRUCTION
MANAGEMENT
5720 N. I-35 Industrial Blvd.
Edmond, Ok. 73034

405-341-5500 Phone

405-341-7106 Fax

2/26/2025

Fire Station #31 - COR# 009 ASI-006

	ADD	DEDUCT
Architectual glazing concepts	\$11,723.00	

Note:

Subtotal	<hr/>
	\$11,723.00
OH&P 10%	\$1,172.30
Total	<hr/>
	\$12,895.30

ARCHITECT'S SUPPLEMENTAL INSTRUCTION No. 006

Date: January 21, 2025 Job #: 2820G18
To: Steve Preston
Company: Shiloh Enterprises
Project: MB-1478 Replace Fire Station No. 31
From: Justin Mitchell



Oklahoma City + Norman

Phone: 405.525.8806
www.maplusarch.com

ASI DESCRIPTION:

The Fire Department has requested that all bay sectional doors have a tint installed to protect their equipment from the sun. Attached is specification 08 87 13 for the tint film that will be installed on the inside face (face 4) of all glazing for door type 4 throughout the project.

SECTION 08 87 13
SUN CONTROL WINDOW FILM

PART 1 – GENERAL**1.01 SECTION INCLUDES**

- A. Sun control window films of the following types:
 - 1. Ceramic sun control film.

1.02 REFERENCES

- A. ASHRAE - American Society for Heating, Refrigeration, and Air Conditioning Engineers; Handbook of Fundamentals.
- B. ASTM International (ASTM):
 - 1. ASTM D 882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
 - 2. ASTM D 412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers -- Tension.
 - 3. ASTM D 624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
 - 4. ASTM D 1004 - Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting.
 - 5. ASTM D 1044 - Standard Method of Test for Resistance of Transparent Plastics to Surface Abrasion (Taber Abrader Test).
 - 6. ASTM D 2240 - Standard Method for Rubber Property - Durometer Hardness.
 - 7. ASTM D 2582 - Standard Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting.
 - 8. ASTM E 84 - Standard Method of Test for Surface Burning Characteristics of Building Materials.
 - 9. ASTM E 308 - Standard Recommended Practice for Spectrophotometry and Description of Color in CIE 1931 System.
 - 10. ASTM E 903 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
 - 11. NFRC 100/200 (Formerly ASTM E903) - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.

1.03 DEFINITIONS

- A. Light to Solar Gain Ratio: The ratio of visible light transmission to Solar Heat Gain Coefficient.

1.04 PERFORMANCE REQUIREMENTS

- A. Fire Performance: Surface burning characteristics when tested in accordance ASTM E 84:
 - 1. Flame Spread: 25, maximum.
 - 2. Smoke Developed: 450, maximum.
- B. Abrasion Resistance: Film must have a surface coating that is resistant to abrasion such that, less than 5 percent increase of transmitted light haze will result in accordance with ASTM D 1044 using 50 cycles, 500 grams weight, and the CS10F Calbrase Wheel.

1.05 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples representing actual product, color, and patterns.
- D. Performance Submittals: Provide laboratory data of emissivity and calculated window U-Factors for various outdoor temperatures based upon established calculation procedure defined by the

ASHRAE Handbook of Fundamentals, Chapter 29, or Lawrence Berkeley Laboratory Window 5.2 Computer Program.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten (10) years experience.
 - 1. Provide documentation that the adhesive used on the specified films is a Pressure Sensitive Adhesive (PSA).
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified.
 - 1. Provide documentation that the installer is authorized by the Manufacturer to perform Work specified in this section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Follow manufacturer's instructions for storing and handling.
- B. Store products in manufacturer's unopened packaging until ready for installation.

1.08 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.09 WARRANTY

- A. At project closeout, provide to Owner or Owners Representative an executed current copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
- B. In order to validate warranty, installation must be performed by an Authorized dealer and according to Manufacturer's installation instructions.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: 3M Commercial Solutions, which is located at: 3M Center Bldg. 223; St. Paul, MN 55144-1000; Toll Free Tel: 888-650-3497; Tel: 651-737-1081
- B. Substitutions: See Section 016000 – Product Requirements.

2.02 3M CERAMIC SUN CONTROL FILM

- A. Physical Properties:
 - 1. Composition: Optically clear ceramic coated polyester film which may be laminated to a clear polyester film. There shall be an acrylic abrasion resistant coating over the surface of the film for enhanced durability. The film color is derived from a ceramic coating and the product shall not contain dyed polyester.
 - 2. The ceramic coating shall be uniform without noticeable pin holes, streaks, thin spots and scratches or banding.
 - 3. The variation in total transmission across the width, at any portion along the length, shall not exceed 2 percent over the average.
 - 4. The density of the film across the web is not to exceed plus or minus 2 percent. There shall be no evidence of coating voids.
 - 5. The film shall be identified as to Manufacturer of Origin (hereafter to be called Manufacturer).
- A. Performance, CM 40 - Film applied to 1/4 inch (6.4 mm) Thick Clear Glass:
 - 1. Visible Light Transmitted 44 percent.
 - 2. Total Solar Energy Rejected 53 percent.
 - 3. Solar Heat Gain Coefficient 0.47.
 - 4. Infrared Rejected 78 percent as measured between 900-1000 nm.

5. Visible Light Reflected Int. 12 percent.
6. Visible Light Reflected Ext. 14 percent.
7. UV Rejected 99 percent.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Film Examination:
 1. If preparation of glass surfaces is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
 - a. Glass surfaces receiving new film should first be examined to verify that they are free from defects and imperfections, which will affect the final appearance.
 2. Do not proceed with installation until glass surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
 3. Commencement of installation constitutes acceptance of conditions.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Refer to Manufacturer's installation instructions for methods of preparation for Impact Protection Adhesive or Impact Protection Profile film attachment systems

3.03 INSTALLATION, GENERAL

- A. General: Install in accordance with manufacturer's instructions and the following.
 1. Cut film edges neatly and square at a uniform distance of 1/8 inch (3 mm) to 1/16 inch (1.5 mm) of window sealant.
 2. Spray the slip solution, composed of one capful of baby shampoo or dishwashing liquid to 1 gallon of water, on window glass and adhesive to facilitate proper positioning of film.
 3. Apply film to glass and lightly spray film with slip solution.
 4. Squeegee from top to bottom of window.
 5. Bump film edge with lint-free towel wrapped around edge of a 5-way tool.
 6. Upon completion of film application, allow 30 days for moisture from film installation to dry thoroughly, and to allow film to dry flat with no moisture dimples when viewed under normal viewing conditions.
 7. If completing an exterior application, check with the manufacturer as to whether edge sealing is required.

3.04 CLEANING AND PROTECTION

- A. Remove left over material and debris from Work area. Use necessary means to protect film before, during, and after installation.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. After application of film, wash film using common window cleaning solutions, including ammonia solutions, 30 days after application. Do not use abrasive type cleaning agents and bristle brushes to avoid scratching film. Use synthetic sponges or soft cloths.

END OF SECTION



GENERAL CONSTRUCTION
MANAGEMENT
5720 N. I-35 Industrial Blvd.
Edmond, Ok. 73034

405-341-5500 Phone

405-341-7106 Fax

2/26/2025

Fire Station #31 - ASI-008 COR#010

	ADD	DEDUCT
Brewer Carpet One	\$2,725.00	

Note:

Subtotal	<hr/>
	\$2,725.00
OH&P 10%	\$272.50
 Total	 <hr/>
	\$2,997.50



Commercial

300 S. Portland Oklahoma City, OK 73108
(405) 946-2341 Fax: (405) 946-2412

CHANGE ORDER SUBMITTED TO:		DESCRIPTION OF JOB:	
SHILOH ENTERPRISES		Job: FIRE STATION #31	
5720 INDUSTRIAL BLVD		Address: 720 NORTH ROCKWELL AVENUE	
EDMOND, OK 73034		City: OKLAHOMA CITY	State: OK
Person authorized to issue change orders: ATTN: STEVE PRESTON	Phone: 405-341-5500	Fax: PER EMAIL	Date: 2/24/2025

WE HEREBY SUBMIT the following Bid Proposal:

CHANGE ORDER FOR THE UPDATED ASI NO. 008 CLARIFICATION FOR THE MENS RESTROOM 126 TILE LAYOUT.

BASED OFF 265 SF FOR NOTED AREAS

MATERIAL (TILE, GROUT & SETTING MATERIALS) \$1,200.00

LABOR \$1,525.00

TOTAL SALE \$2,725.00

Exclusions:

Demolition, Floor prep (saw joints only,) Wax, Protection after installation, Moisture migrating or sub surface, Liquidated damages, Sales Tax if applicable.

WE HEREBY PROPOSE: to furnish labor and/or materials complete in accordance with the above specifications, for the sum of \$ **TWO THOUSAND SEVEN HUNDRED TWENTY FIVE DOLLARS & 00/00** -----

With Payment to be made as follows: **E.O.M NEW FOLLOWING 10TH** ----- **PER CONTRACT** -----

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written change orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by workman's compensation insurance, if applicable. Time is of the essence, therefore, cost of any material which is special ordered must be paid in full within 30 days, or upon receipt of an invoice after said material is available in Carpet One's® warehouse.

All Above Subject to Approved Credit, Oklahoma State Lien Law – Senate Bill #112, and Oklahoma Statutes Title 42 effective 4/3/2001.

Authorized Signature:

Holly Parod – Commercial Estimator

Note: This proposal may be withdrawn by us if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Authorized By:

Title:

Witness:

Date Accepted: _____

ARCHITECT'S SUPPLEMENTAL INSTRUCTION No. 008

Date: February 18, 2025 Job #: 2820G18
To: Steve Preston
Company: Shiloh Enterprises
Project: MB-1478 Replace Fire Station No. 31
From: Justin Mitchell

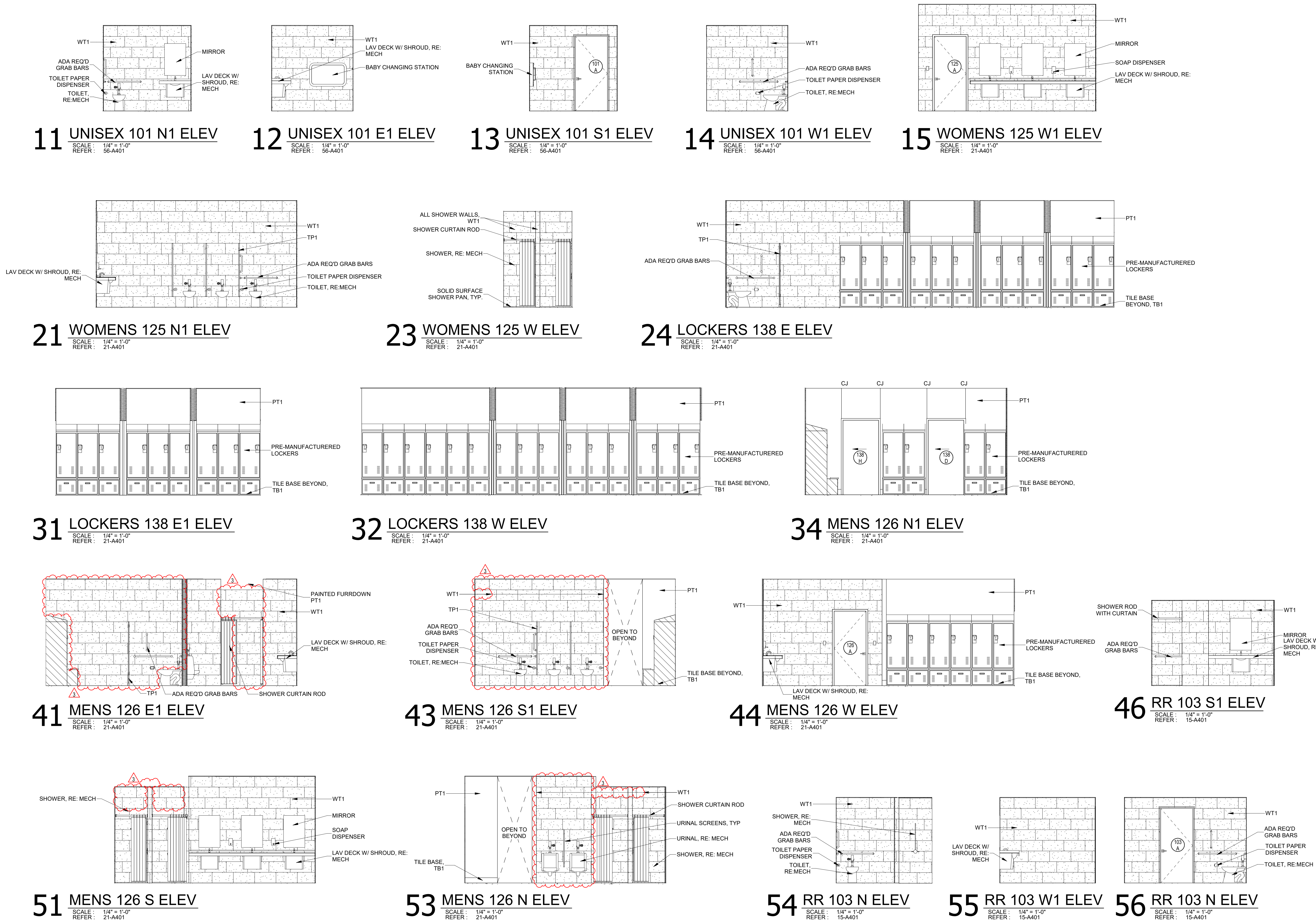


Oklahoma City + Norman

Phone: 405.525.8806
www.maplusarch.com

ASI DESCRIPTION:

Sheet A214 is reissued to clarify the tile layout in the MENS RM 126





GENERAL CONSTRUCTION
MANAGEMENT

5720 N. I-35 Industrial Blvd.
Edmond, Ok. 73034

405-341-5500 Phone

405-341-7106 Fax

3/6/2025

Fire Station #31 - COR# 011 ASI-007

ADD DEDUCT

Allstate Electrical

\$5,240.00

Note:

Subtotal
OH&P 10%

\$5,240.00
\$524.00

Total

\$5,764.00

PROPOSED CHANGE ORDER

Allstate Electrical Contractors, Inc.

1524 S May
Oklahoma City, OK 73108

CCN#**4****Date:**

3/3/2025

Project Name:

OKC Fire Station 31

Project Number:

OKC Fire Station 31

Page Number:

1

Client Address:

Shiloh Enterprises, Inc.

Contact: Steve Preston
5720 N. Industrial Boulevard
Edmond, OK 73034

Work Description

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

This CCN 4 is for us to make the following changes per :

•Add boxes and conduit for the alerting system
Alerting system is by others

Itemized Breakdown

Description	Qty	Net Price	U	Total Mat.	Labor	U	Total Hrs.
3/4" CONDUIT - EMT	170	84.29	C	143.29	4.00	C	6.80
1" CONDUIT - EMT	30	140.44	C	42.13	5.06	C	1.52
1 1/4" CONDUIT - EMT	60	258.52	C	155.11	5.88	C	3.53
1 1/2" CONDUIT - EMT	20	317.14	C	63.43	7.40	C	1.48
1 1/4" ELBOW 90 DEG - EMT	6	628.80	C	37.73	37.50	C	2.25
1 1/2" ELBOW 90 DEG - EMT	2	732.00	C	14.64	50.00	C	1.00
3/4" CONN COMP STL - EMT	8	140.08	C	11.21	16.25	C	1.30
1" CONN COMP STL - EMT	6	211.91	C	12.71	19.50	C	1.17
1 1/4" CONN COMP STL - EMT	12	423.30	C	50.80	22.75	C	2.73
1 1/2" CONN COMP STL - EMT	4	574.61	C	22.98	27.75	C	1.11
3/4" COUPLING COMP STL - EMT	16	161.64	C	25.86	11.25	C	1.80
1 1/4" COUPLING COMP STL - EMT	6	447.16	C	26.83	17.50	C	1.05
1 1/2" COUPLING COMP STL - EMT	8	646.32	C	51.71	22.50	C	1.80
3/4" BUSHING - PLASTIC	5	25.06	C	1.25	2.50	C	0.13
1" BUSHING - PLASTIC	3	39.70	C	1.19	3.25	C	0.10
1 1/4" BUSHING - PLASTIC	6	51.68	C	3.10	4.88	C	0.29
1 1/2" BUSHING - PLASTIC	4	67.89	C	2.72	6.50	C	0.26
3/4" 1-H STRAP - EMT - STEEL	6	37.81	C	2.27	6.75	C	0.41
1" 1-H STRAP - EMT - STEEL	6	62.58	C	3.75	7.38	C	0.44
1 1/4" 1-H STRAP - EMT - STEEL	12	93.72	C	11.25	8.75	C	1.05
1 1/2" EMT & 1 1/4" RMC 1-PC STRUT CLAMP W/ SADDL	4	134.04	C	5.36	8.25	C	0.33
1/2 OR 3/4" SNAP CLOSE CLIP - BTM MNT ON 1/4" FLNG	17	125.61	C	21.35	10.25	C	1.74

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

Allstate Electrical Contractors, Inc.

1524 S May
Oklahoma City, OK 73108

Shiloh Enterprises, Inc.

5720 N. Industrial Boulevard
Edmond, OK 73034

CCN#

4

Date:

3/3/2025

Project Name:

OKC Fire Station 31

Project Number:

OKC Fire Station 31

Page Number:

2

Description	Qty	Net Price	U	Total Mat.	Labor	U	Total Hrs.
3/4" FLEX - STEEL	48	114.00	C	54.72	4.88	C	2.34
3/4" CONN FLEX DC SQUEEZE STRAIGHT	8	168.26	C	13.46	12.50	C	1.00
4x 1 1/2" SQ BOX COMB KO	3	162.45	C	4.87	28.75	C	0.86
4x 2 1/8" SQ BOX COMB KO	4	258.73	C	10.35	28.75	C	1.15
4" SQ 1G PLSTR RING 3/4" RISE	4	113.51	C	4.54	3.13	C	0.13
4" SQ BLANK COVER	3	60.41	C	1.81	3.13	C	0.09
4G CONCENTRIC KO BOX	6	3,304.80	C	198.29	40.00	C	2.40
4G BOX DEVICE COVER 3/4" RISE	6	1,341.28	C	80.48	5.63	C	0.34
1G MSNRY BOX 3 1/2" DEEP	4	391.88	C	15.68	43.75	C	1.75
#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 12G	6	2.61	C	0.16	3.00	C	0.18
#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G	58	3.44	C	2.00	3.25	C	1.89
2" DIAM CORE 5" THICK WALL	2	20.00	E	40.00	0.50	E	1.00
2" DIAM CORE 6" THICK WALL	2	175.00	E	350.00	1.00	E	2.00

Totals	565			1,487.03			47.41
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Summary

General Materials		1,487.03
Material Total		1,487.03
JOURNEYMAN	(23.71 Hrs @ \$42.00)	995.82
FOREMAN @ 10%	(4.74 Hrs @ \$46.00)	218.04
APPRENTICE	(23.71 Hrs @ \$32.00)	758.72
SAFETY @ 3.5%	(1.66 Hrs @ \$42.00)	69.72
CLEAN UP @ 4.0%	(1.90 Hrs @ \$32.00)	60.80
Labor Burden	(@ 45.000 %)	946.40
Subtotal		4,536.53
Overhead	(@ 10.000 %)	453.65
Markup	(@ 5.000 %)	249.51
Subtotal		5,239.69
Final Adjustment		0.31
Final Amount		\$5,240.00

CONTRACTOR CERTIFICATION

Name:	_____
Date:	_____
Signature:	_____

I hereby certify that this quotation is complete and accurate based on the information provided.

CLIENT ACCEPTANCE

CCN #:	4
Final Amount:	\$5,240.00
Name:	_____
Date:	_____
Signature:	_____
Change Order #:	_____

ORIGINAL

I hereby accept this quotation and authorize the contractor to complete the above described work.

ARCHITECT'S SUPPLEMENTAL INSTRUCTION No. 007

Date: February 18, 2025 Job #: 2820G18
To: Steve Preston
Company: Shiloh Enterprises
Project: MB-1478 Replace Fire Station No. 31
From: Justin Mitchell

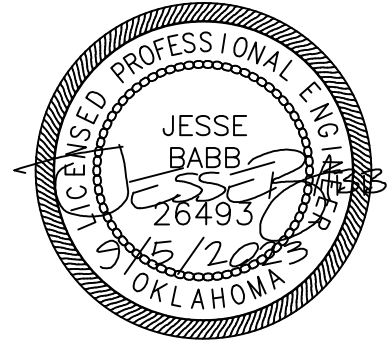


Oklahoma City + Norman

Phone: 405.525.8806
www.maplusarch.com

ASI DESCRIPTION:

Sheet E420 is revised and reissued to add the owner requested rough-in for the Fire Departments Alerting system.



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CONSULTANTS

CIVIL:
SMITH ROBERTS BALDISCHWILER
STRUCTURAL:
KIRKPATRICK FOREST CURTIS
MEP:
ALLEN CONSULTING
LANDSCAPE:
LAUD STUDIO
FIRE STATION DESIGN:
STEWART COOPER NEWELL

MB-1478
REPLACE FIRE STATION 31
720 NORTH ROCKWELL AVENUE
OKLAHOMA CITY, OKLAHOMA

REVISION ISSUE

MARK	DATE	DESCRIPTION
SSR	06-11-2024	STORM SHELTER REVIEW
80%	06-09-2024	80% CD OWNER REVIEW SET
90%	08-02-2024	90% CD OWNER REVIEW SET
CDR	08-06-2024	CONSTRUCTION DOCUMENTS
1	08-18-2024	ADDENDUM 1
2	04-01-2024	AS1.1
3	07-20-2024	AS1.3
4	07-31-2024	AS1.4
7	02-14-2022	AS1.7

SHEET INFO

PROJECT: 2820018
DRAWN BY: NR
CHECKED BY: JS

SHEET TITLE
ELECTRICAL
SYSTEMS PLAN
- ALTERNATE #2

SHEET NUMBER

E420



Allen Consulting Incorporated
ACI Project No. CA2102 Expires: 6/30/2024
1101 N. Mansfield Dr., Suite 100
Norman, OK 73069-6578
Ph: (405) 447-2255 Fax: (405) 447-0284

GENERAL NOTES:

A. FIRE ALARM DEVICES ARE SHOWN FOR DESIGN INTENT ONLY; PROVIDE DEVICES AND QUANTITIES NEEDED TO MEET APPLICABLE CODE. IT IS THE RESPONSIBILITY OF THE FIRE ALARM SYSTEM PROVIDER TO PROVIDE ALL DEVICES AND HARDWARE NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM PER CODE. DEVICES MAY BE CEILING OR WALL MOUNTED WHERE THE LOCATION IS APPROVED BY THE LOCAL AHJ. FINAL DEVICE LOCATIONS AND QUANTITIES ARE TO BE DETERMINED BY FIRE ALARM CONTRACTOR IN ORDER TO SATISFY THE AHJ. COORDINATE LOCATIONS OF WALL-MOUNTED DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

B. IN ALL SLEEPING ROOMS, INSTALL 520HZ SQUARE WAVE HORN NEAR BED AND CEILING-MOUNTED SMOKE DETECTOR.

C. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES. SEE MECHANICAL PLANS FOR MORE DETAIL. UNLESS NOTED OTHERWISE, PROVIDE 120V POWER FOR MOTORIZED DAMPERS FOR ALL FANS. INTERLOCK WITH CORRESPONDING FAN. UNLESS NOTED OTHERWISE, ALL FANS HAVE A MOTORIZED DAMPER. REFER TO MECHANICAL PLANS FOR LOCATIONS OF ALL DAMPERS.

D. PROVIDE ROUGH-IN AS REQUIRED FOR THERMOSTATS; REFER TO MECHANICAL PLANS FOR LOCATIONS AND COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

E. PROVIDE (1) 1-1/2" CONDUIT SLEEVE THROUGH THE WALL ABOVE EACH ROOM DOOR IN AN ACCESSIBLE LOCATION ABOVE THE CEILING OR AT THE DECK IN OPEN CEILING AREAS.

F. PROVIDE 120V J-BOX AT EACH BAS CONTROLLER. COORDINATE EXACT LOCATION WITH INSTALLER.

G. ANY PENETRATION EXCEEDING 3-1/2 SQUARE INCHES OR 2-1/16" DIAMETER INTO OR OUT OF STORM SHELTERS SHALL BE PROVIDED WITH PROTECTIVE DEVICES THAT MEET THE DEBRIS IMPACT, WIND PRESSURE AND TEST CRITERIA FOUND IN ICC 500-2014. REF: STRUCTURAL. THIS INCLUDES MULTIPLE CONDUIT THROUGH THE SAME PENETRATION. IF CONDUIT PENETRATING STORM SHELTER ENVELOPE IS LESS THAN 2-1/16" DIAMETER AND SPACED SO THERE IS A MINIMUM OF 8" WALL/ROOF REMAINING IN ANY DIRECTION, NO OPENING PROTECTION IS REQUIRED. REFERENCE ARCHITECTURAL/STRUCTURAL FOR OPENING PROTECTION IF REQUIRED.

H. ALL EMPTY CONDUITS SHALL HAVE PULL STRING INSTALLED.

I. DEVICES LABELED 'RR2' ARE APPROXIMATE ROUGH-IN LOCATIONS FOR THE ROOM REMOTES (PROVIDED BY OTHER) FOR THE ALERTING SYSTEM. THEY ARE INTENDED TO BE INSTALLED 58" FROM THE FLOOR TO THE BOTTOM OF THE CONDUIT BOX AND 6"-12" FROM THE LIGHT SWITCH INSIDE ROOMS 118, 119, 121, AND 122. IN ROOMS 107 AND 108 THEY ARE INTENDED TO BE INSTALLED 12" FROM THE NEAREST DOOR FRAME TO THE APPROXIMATE LOCATION SHOWN ON PLANS. PROVIDE 4-GANG ROUGH-IN BOX WITH DIMENSIONS AT LEAST 2-3/4" HIGH BY 7-3/8" WIDE WITH A 1-1/4" CONDUIT EXTENDED ABOVE THE CEILING IN AN ACCESSIBLE LOCATION.

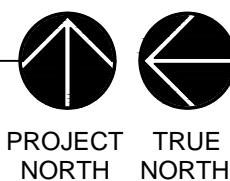
J. DEVICES LABELED 'CIR' ARE APPROXIMATE ROUGH-IN LOCATIONS FOR COLOR INDICATOR REMOTES (PROVIDED BY OTHERS) FOR THE ALERTING SYSTEM. PROVIDE SINGLE GANG BOX MOUNTED HORIZONTALLY AT 100" AFF WITH A 1" CONDUIT EXTENDED ABOVE THE CEILING IN AN ACCESSIBLE LOCATION.

KEYED NOTES:

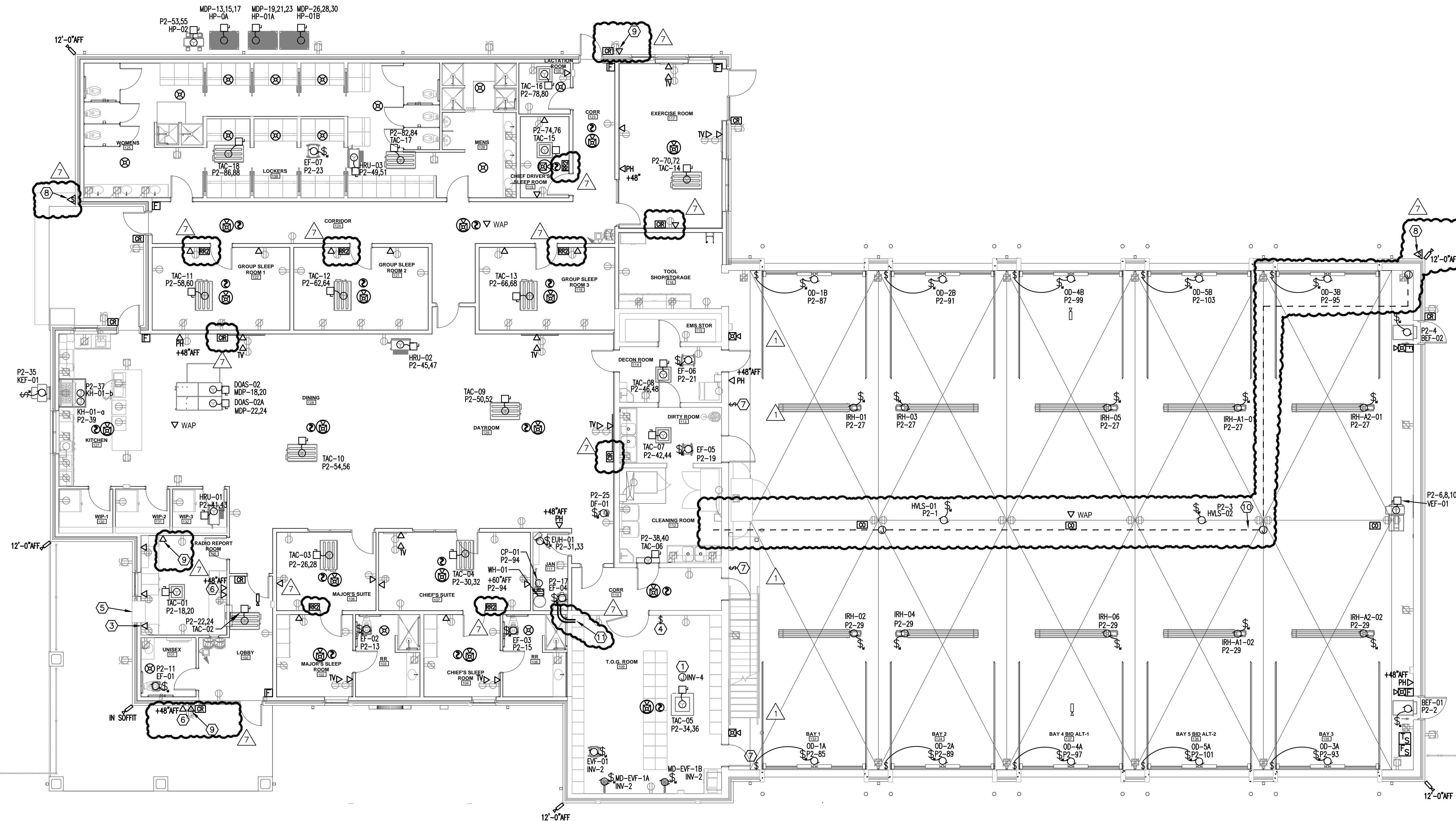
- PROVIDE A 120V J-BOX CONNECTION FOR BAS CONTROLS, COORDINATE EXACT LOCATION WITH CONTROLS CONTRACTOR.
- ALERTING SYSTEM - PROVIDE (1) 3" CONDUIT WITH WEATHERHEAD EXTENDED THROUGH ROOF DIRECTLY NEXT TO RIDGELINE OF ROOF. WEATHERHEAD SHALL BE SECURLY MOUNTED TO SUPPORT ALERTING SYSTEM ANTENNA. REFER TO ARCHITECTURAL ROOF PLAN FOR OVERALL VIEW AND COORDINATE EXACT LOCATION AND MOUNTING REQUIREMENTS WITH OWNER. ROUTE CONDUIT TO IT ROOM SUCH THAT NO MORE THAN (2) 90° ELBOWS ARE USED.
- J-BOX AT THIS LOCATION SHALL HAVE EMPTY CONDUIT FOR FUTURE BABY BOX LOW VOLTAGE CABLES FOR MONITORING.
- EMERGENCY VENTILATION WALL SWITCH. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS.
- NO CONDUIT RACEWAYS SHALL EXTEND DOWN THE WALL WHERE THE BABY BOX WILL BE INSTALLED.
- TALKAPHONE, PROVIDE VOIP-500 OR CURRENT EQUIVALENT. COORDINATE WITH OWNER FOR INTERIOR HANDSET LOCATION AND PROVIDE ALL DATA CABLING BETWEEN LOCATIONS AS REQUIRED.
- SWITCH AT THIS LOCATION SHALL HAVE 10 SETS OF UP/DOWN FUNCTIONS FOR ALL OVERHEAD DOORS. PROVIDE CLEARLY VISIBLE LABEL ON EACH SWITCH DESIGNATING DOOR NUMBER, COORDINATE EXACT DOOR TAG ID WITH OWNER.
- PROVIDE SINGLE GANG BOX 12'-0" AFF WITH 3/4" CONDUIT EXTENDED TO ACCESSIBLE LOCATION ABOVE THE CEILING ON INTERIOR OF BUILDING FOR ALERTING SYSTEM SPEAKER.
- PROVIDE SINGLE GANG BOX 48" AFF WITH 3/4" CONDUIT EXTENDED TO ACCESSIBLE LOCATION ABOVE THE CEILING ON INTERIOR OF BUILDING FOR ALERTING SYSTEM PUSH BUTTON.
- PROVIDE 3/4" CONDUIT AT DECK EXTENDING INTO MECH 201 WITH JBOXES WHERE SHOWN FOR ALERTING SYSTEM SPEAKER.
- PROVIDE (2) 1-1/2" CONDUIT SLEEVE PENETRATIONS THROUGH THE SAFE ROOM WALL EXTENDED TO AN ACCESSIBLE LOCATION ABOVE JAN 111. SPACE CONDUITS PER STRUCTURAL DETAILS SUCH THAT REINFORCING IS NOT REQUIRED.

ELECTRICAL SYSTEMS PLAN - ALTERNATE #2

SCALE: 1/8" = 1'-0"
REFER: S-E420



PROJECT NORTH
TRUE NORTH





GENERAL CONSTRUCTION
MANAGEMENT

5720 N. I-35 Industrial Blvd.
Edmond, Ok. 73034

405-341-5500 Phone

405-341-7106 Fax

4/15/2025

Fire Station #31 - COR# 012 For ASI#009

	ADD	DEDUCT
Allstate Electrical	\$4,161.00	
4G Concrete	\$12,934.00	
Connelly Paving	\$2,790.00	
Superior Fence	\$3,751.00	
Swift Exteriors	\$25,768.00	
Surveying	\$1,200.00	
Supervision	\$9,000.00	
Note: This will add 20 days to the contract time		
Subtotal	\$59,604.00	
OH&P 10%	\$5,960.40	
Total	\$65,564.40	

ARCHITECT'S SUPPLEMENTAL INSTRUCTION No. 009

Date: February 26, 2025 Job #: 2820G18
To: Steve Preston
Company: Shiloh Enterprises
Project: MB-1478 Replace Fire Station No. 31
From: Justin Mitchell



Oklahoma City + Norman








Phone: 405.525.8806
www.maplusarch.com

ASI DESCRIPTION:

The Fire Department is planning on installing a drone and dock / stand to the station's site. Attached are sheets C301, C501, A101, A105, E100, E420, E430, and E510 showing the rough-in and enclosure requirements for the future drone dock. The drone and dock will be installed by the owner.

SURVEY LEGEND

SITE LEGEND

	PROPOSED BUILDING
	5\" P.C. CONCRETE PAVEMENT (4,000 PSI)
	7\" REINF. P.C. CONCRETE PAVEMENT (4,000 PSI) (AT DUMPSTER PAD)
	7\" P.C. CONCRETE PAVEMENT (4,000 PSI)
	CONCRETE SIDEWALK
	6\" CONCRETE CURB
	PROPOSED RETAINING WALL

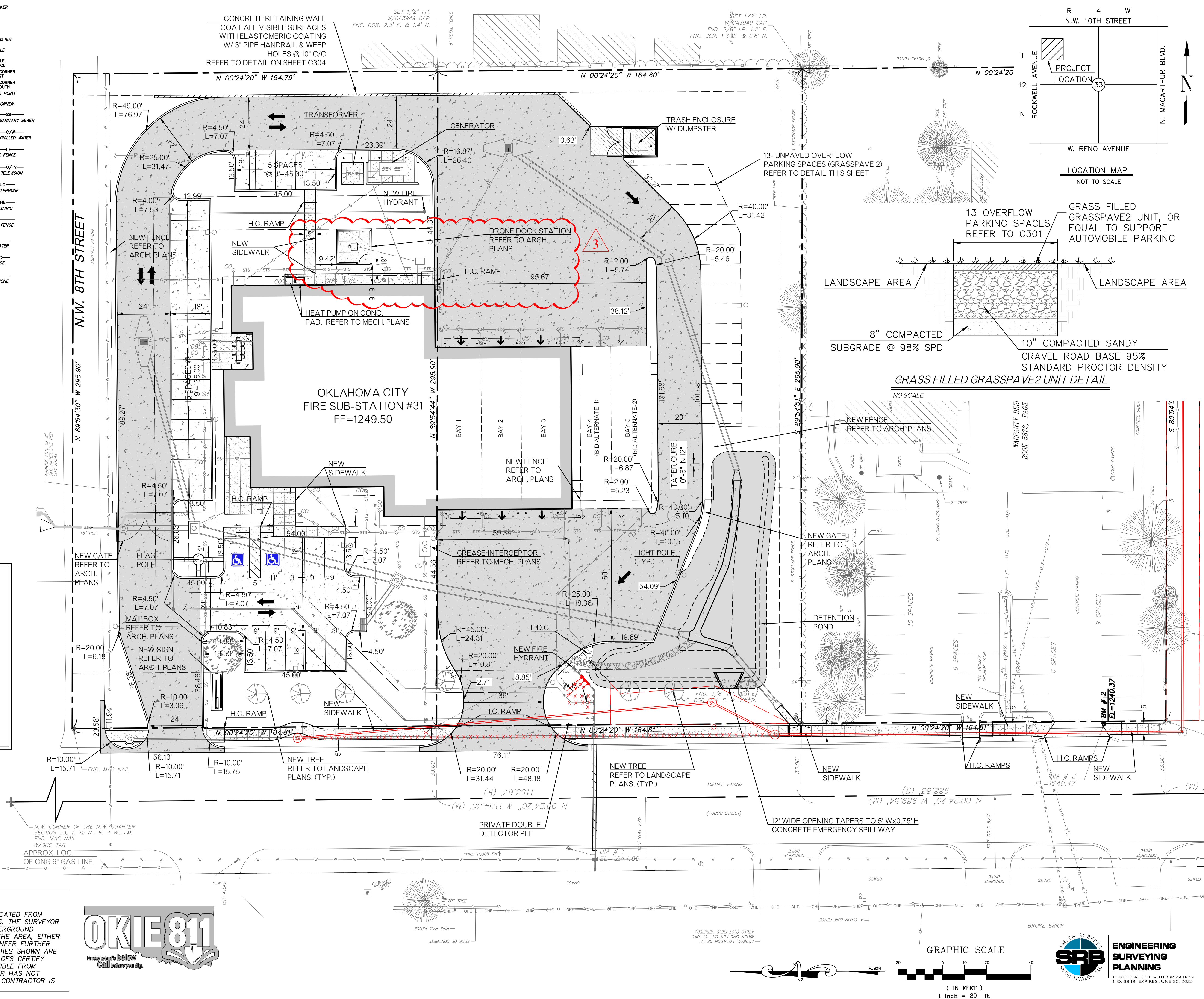
PRIMARY HORIZONTAL / VERTICAL CONTROL

HORIZONTAL DATUM:
OKLAHOMA STATE PLANE NORTH ZONE (NSRS 2011)
MONUMENTS: OKC MONUMENT STATION NO. 254
DESCRIPTION: 2" DIAMETER ALUMINUM CAP
N: 206056.550
E: 2068276.404
Z: 1250.170
CONTROL POINT 10,000
DESCRIPTION: 1/2" I.P.
N: 172776.80
E: 2076779.39
Z: 1242.14
VERTICAL DATUM:
OKLAHOMA STATE PLANE NORTH ZONE (NSRS 2011)
NAVD 88; GEOID 128
MONUMENTS: OKC MONUMENT STATION NO. 254
DESCRIPTION: 2" DIAMETER ALUMINUM CAP
N: 206056.550
E: 2068276.404
Z: 1250.170

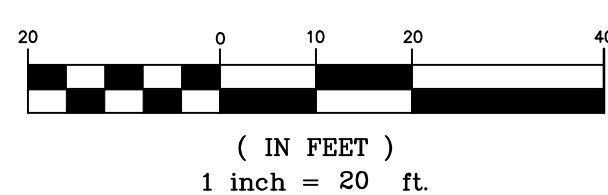
BM #1
CUT "X" TOP CURB W. SIDE
ROCKWELL, 100' N. OF CENTERLINE
AT 705 ROCKWELL
ELEV=1244.82 NAVD 88

BM #2
CUT "X" E. SIDE ROCKWELL AT
ENTRANCE OF ST. THOMAS
CHURCH, W. END OF RAMP
ELEV=1240.37 NAVD 88

UTILITY STATEMENT:
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR & ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR & ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR & ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CONTRACTOR IS RESPONSIBLE IN VERIFYING LOCATION OF UTILITIES.

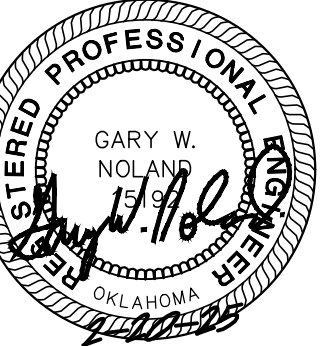


GRAPHIC SCALE



OKLAHOMA CITY
NORMAN + WEATHERFORD

405.525.8806
www.maplusrch.com



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CONSULTANTS

CIVIL: SMITH ROBERTS BALDISCHWILER
STRUCTURAL: KIRKPATRICK FOREST CURTIS
MEP: ALLEN CONSULTING
LANDSCAPE: LAUD STUDIO
FIRE STATION DESIGN: STEWART COOPER NEWELL

MB-1478
REPLACE FIRE STATION 31
720 NORTH ROCKWELL AVENUE
OKLAHOMA CITY, OKLAHOMA

REVISION ISSUE

MARK	DATE	DESCRIPTION
SSR	06-11-2021	STATION SHIFTER REVIEW SET
80%	06-09-2021	80% CO-OWNER REVIEW SET
90%	06-03-2021	90% CO-OWNER REVIEW SET
100%	06-09-2021	100% CONSTRUCTION DOCUMENTS
2	11-18-2021	ADDITIONAL #1
3	02-20-2022	ASB 002

SHEET INFO

PROJECT: 2820518
DRAWN BY: BAW
CHECKED BY: GWN

SHEET TITLE
SITE PLAN

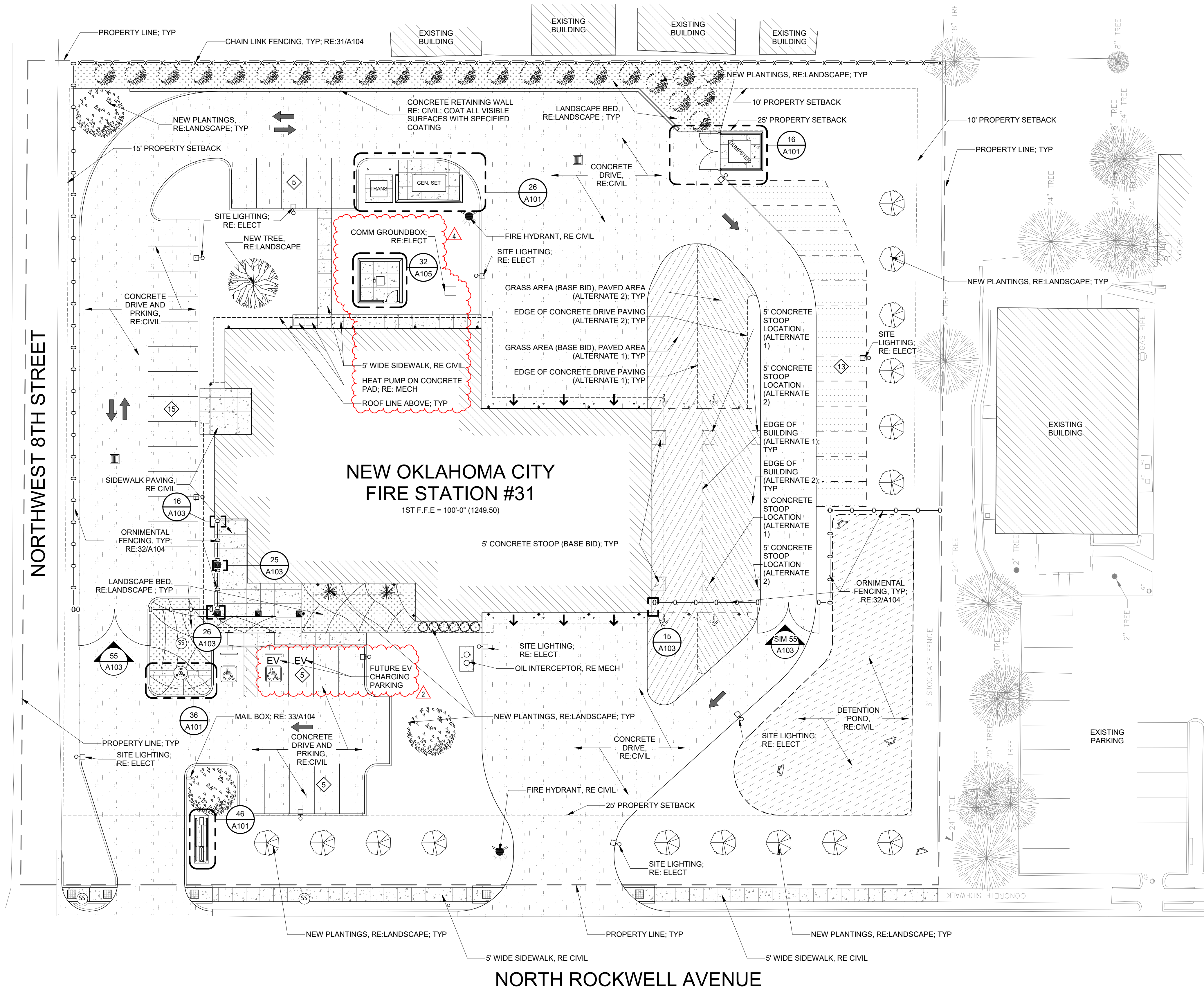
SHEET NUMBER

C301

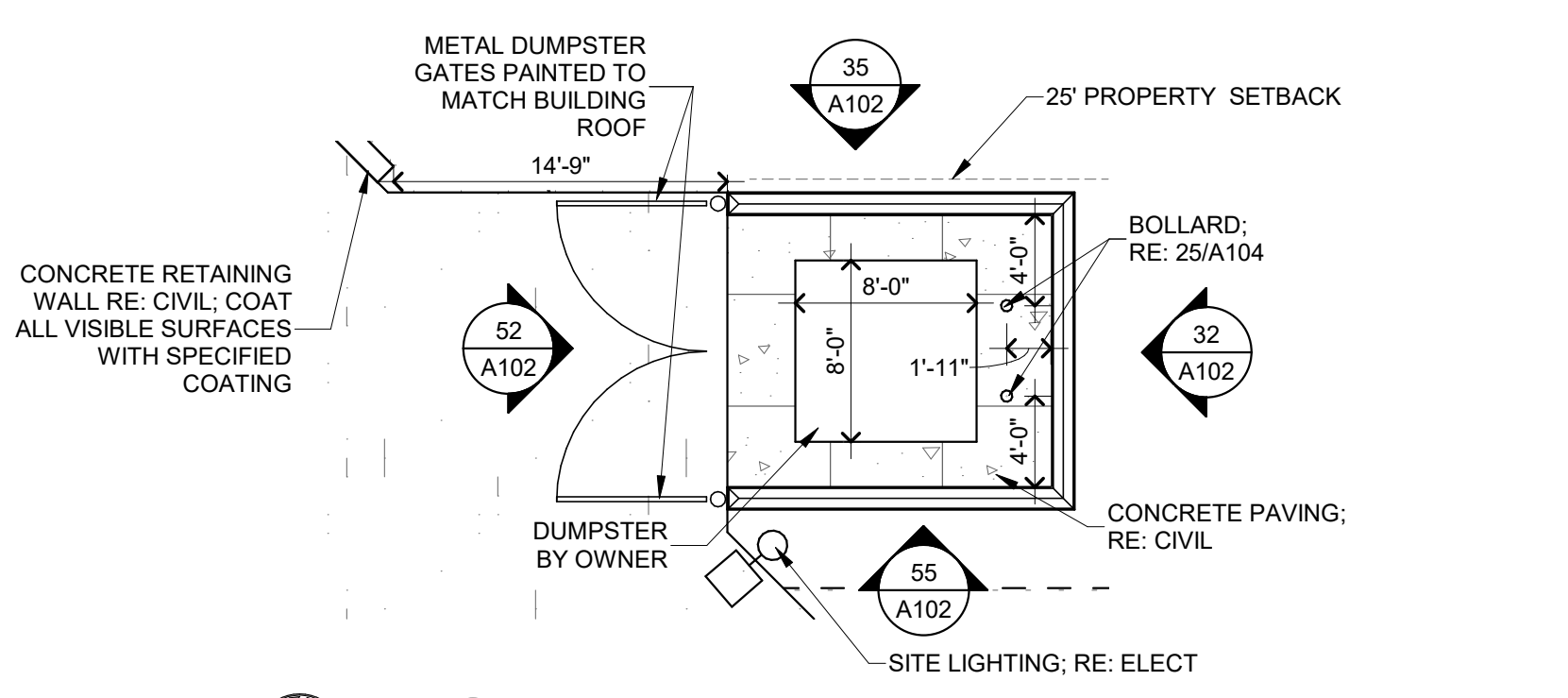


ENGINEERING
SURVEYING
PLANNING

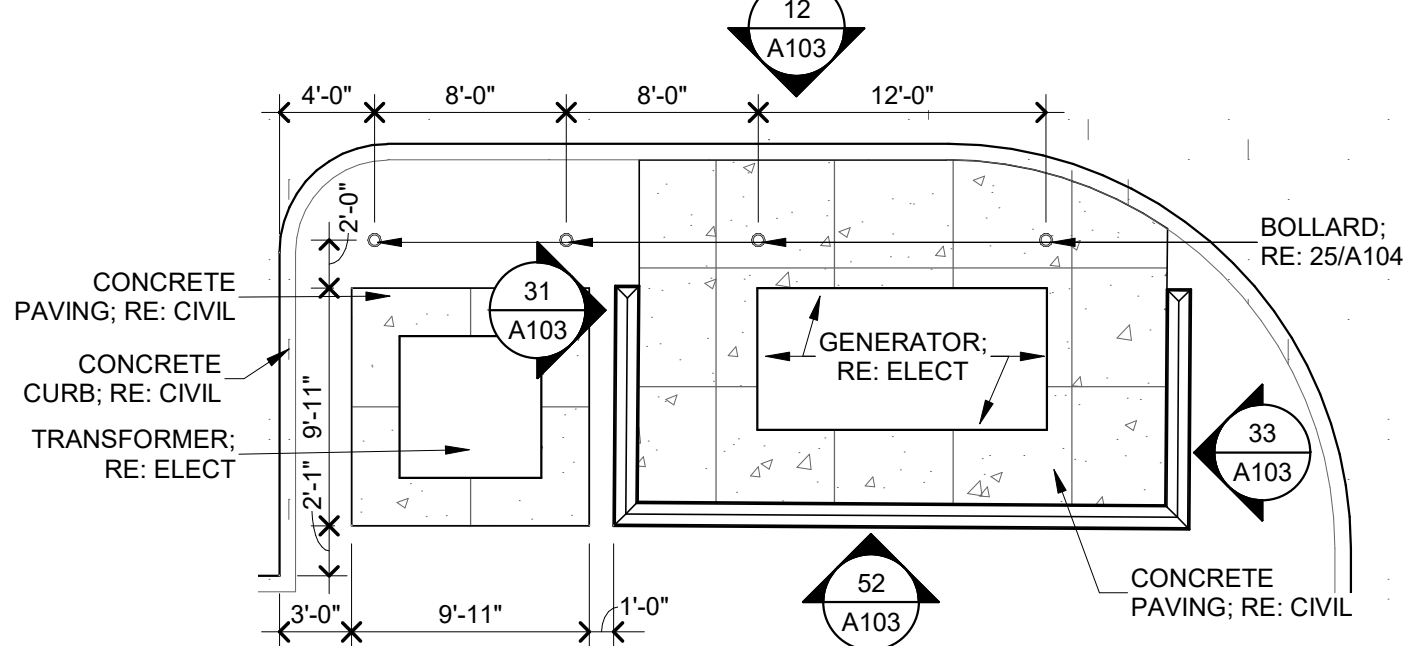
CERTIFICATE OF AUTHORIZATION
NO. 3949 EXPIRES JUNE 30, 2025



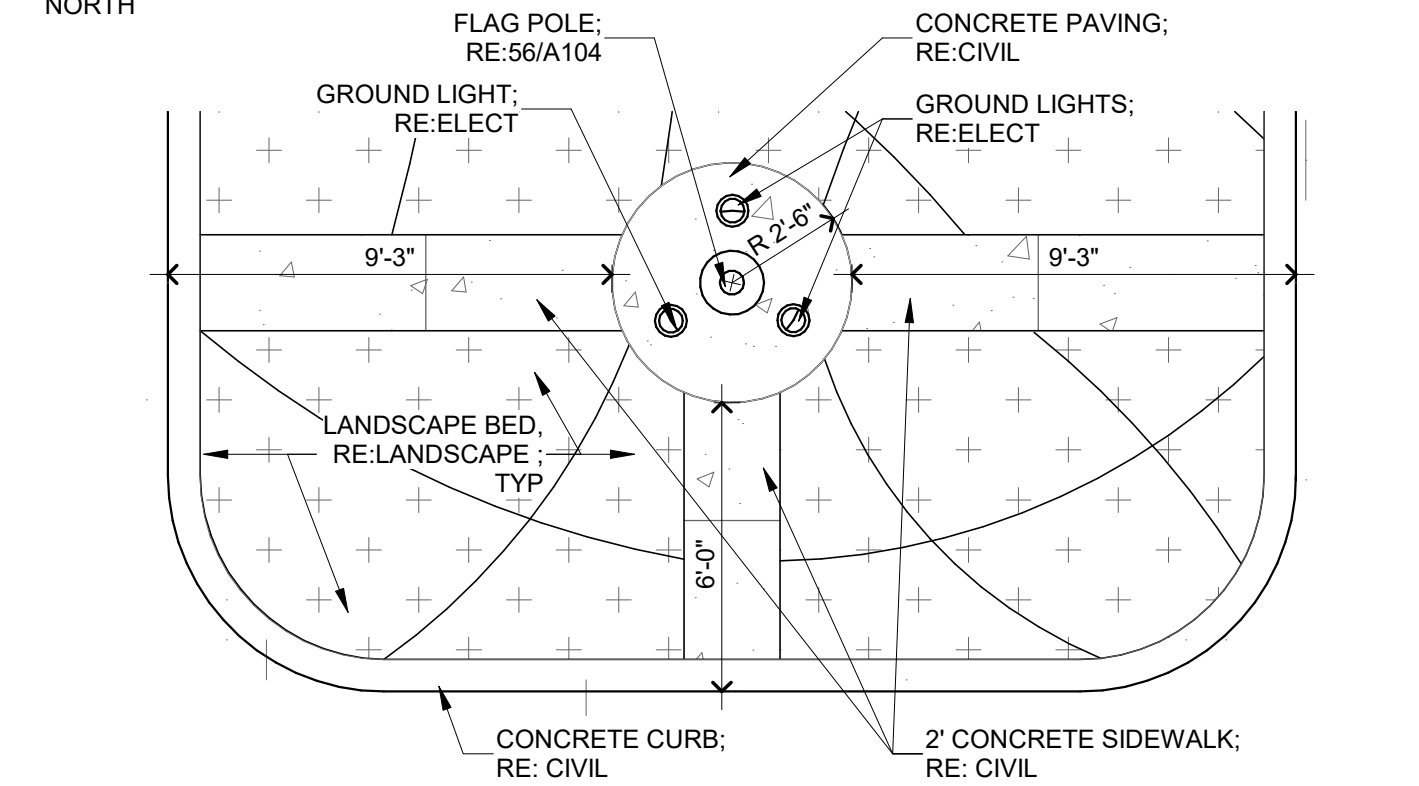
43 SITE PLAN
SCALE: 1" = 20'-0"
REFER: 43-A101



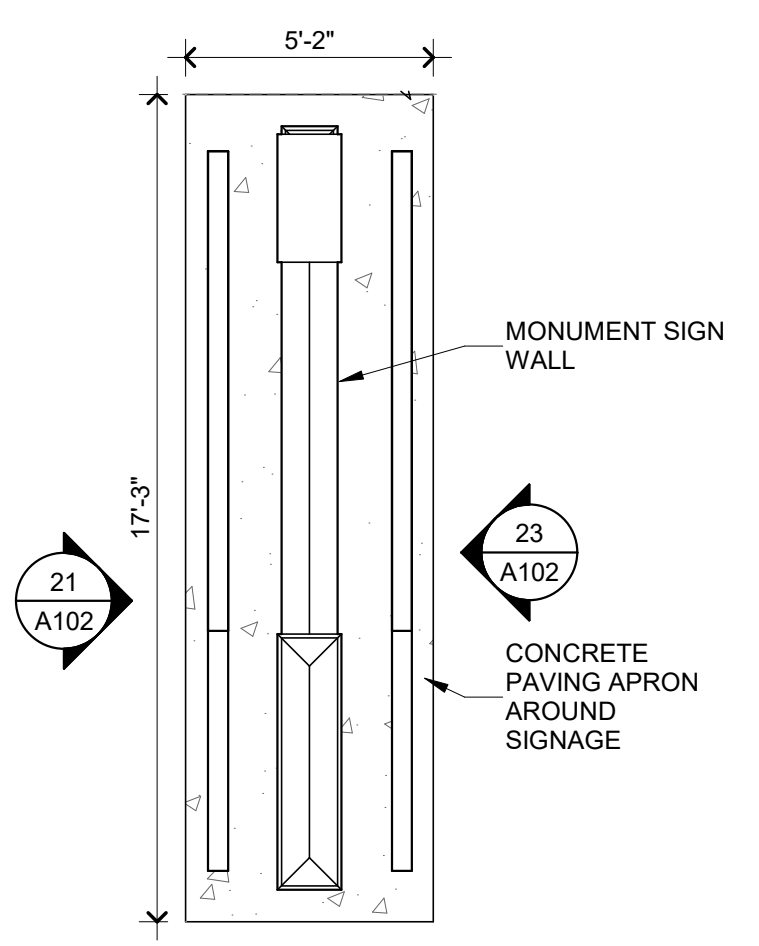
16 ENLARGED DUMPSTER PLAN
SCALE: 1/8" = 1'-0"
REFER: 43-A101



26 ENLARGED GENERATOR PLAN
SCALE: 1/8" = 1'-0"
REFER: 43-A101



36 ENLARGED FLAGPOLE AREA PLAN
SCALE: 1/4" = 1'-0"
REFER: 43-A101



46 ENLARGED PLAN SIGN
SCALE: 1/4" = 1'-0"
REFER: 43-A101

SODDING NOTES:

- REPAIR ALL DISTURBED TURF AREAS SOD
- GRADE LAWN AREAS TO A SMOOTH, EVEN SURFACE WITH LOOSE UNIFORM TEXTURE.
- HAND RAKE ALL AREAS TO BE TURFED, REMOVING ALL STONES AND DEBRIS LARGER THAN 1"
- SOD SHALL BE U-3 BERMUDA SOD
- SOD SHALL BE LAID WITHIN 24 HOURS FROM TIME OF STRIPPING. SOD JOINTS SHALL BE TIGHTLY FITTED. BUTT ENDS AND SIDES OF SOD STRIPS, DO NOT OVERLAP, STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. ROLL SOD TO ENSURE CONTACT WITH SOIL.
- WATER SODDED AREAS WITH A FINE SPRAY, PROVIDE TEMPORARY IRRIGATION, AS REQUIRED, FOR A MINIMUM OF 30 DAYS.
- REPLANT BARE AREAS WITH SAME MATERIALS SPECIFIED FOR LAWNS
- WATER, FERTILIZE, WEED, TRIM AND MOW AREAS FOR A MINIMUM OF 30 DAYS AFTER INSTALLATION. MAINTAIN TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- SODDED LAWN AREAS WILL BE ACCEPTABLE PROVIDED REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN COMPLIED WITH, AND A HEALTHY, WELL-ROOTED, EVEN COLORED, VARIABLE LAWN IS ESTABLISHED, FREE OF WEEDS, OPEN JOINTS, BARE AREAS AND SURFACE IRREGULARITIES.
- ALL DISTURBED LAWN AREAS SHALL BE SODDED. AREAS DISTURBED BEYOND LIMITS IDENTIFIED ON DRAWINGS SHALL BE AT THE CONTRACTOR'S EXPENSE.

PARKING REQUIREMENTS	
PARKING PROVIDED:	
• PAVED PARKING	28 SPACES
• ACCESSIBLE PARKING	2 SPACES
• UNPAVED OVERFLOW PARKING	13 SPACES
TOTAL PARKING PROVIDED - 42 SPACES	
PARKING REQUIRED:	
• PARKING	30 SPACES
(2 SPACES PER STAFF MEMBER TO ALLOW FOR SHIFT CHANGES PER 10600.1, B OF ARTICLE X OF CHAPTER 59 OF THE OKLAHOMA CITY ZONING ORDINANCES)	
• ACCESSIBLE PARKING	2 SPACES
(PER TABLE 10650.1 OF ARTICLE X OF CHAPTER 59 OF THE OKLAHOMA CITY ZONING ORDINANCES)	



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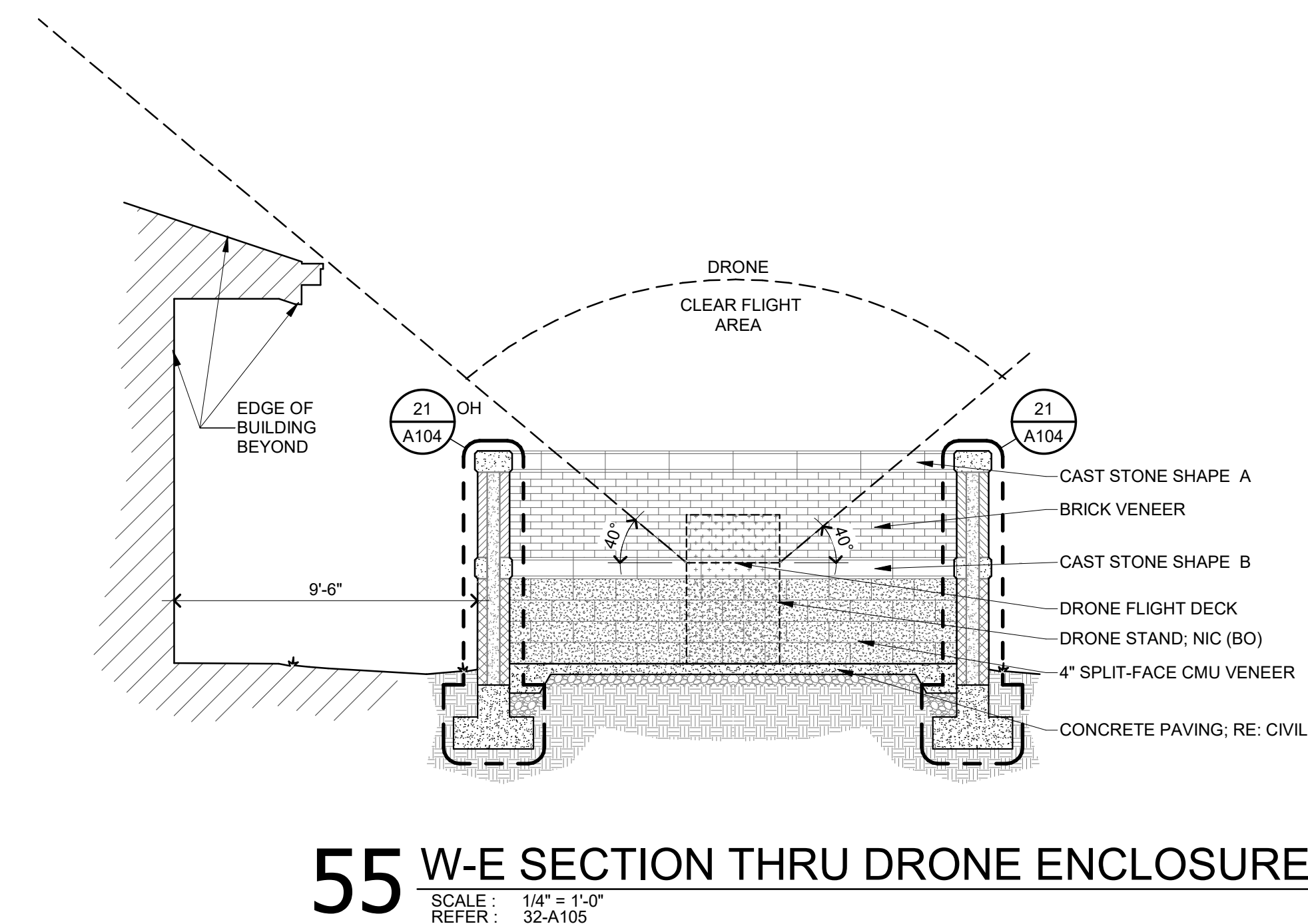
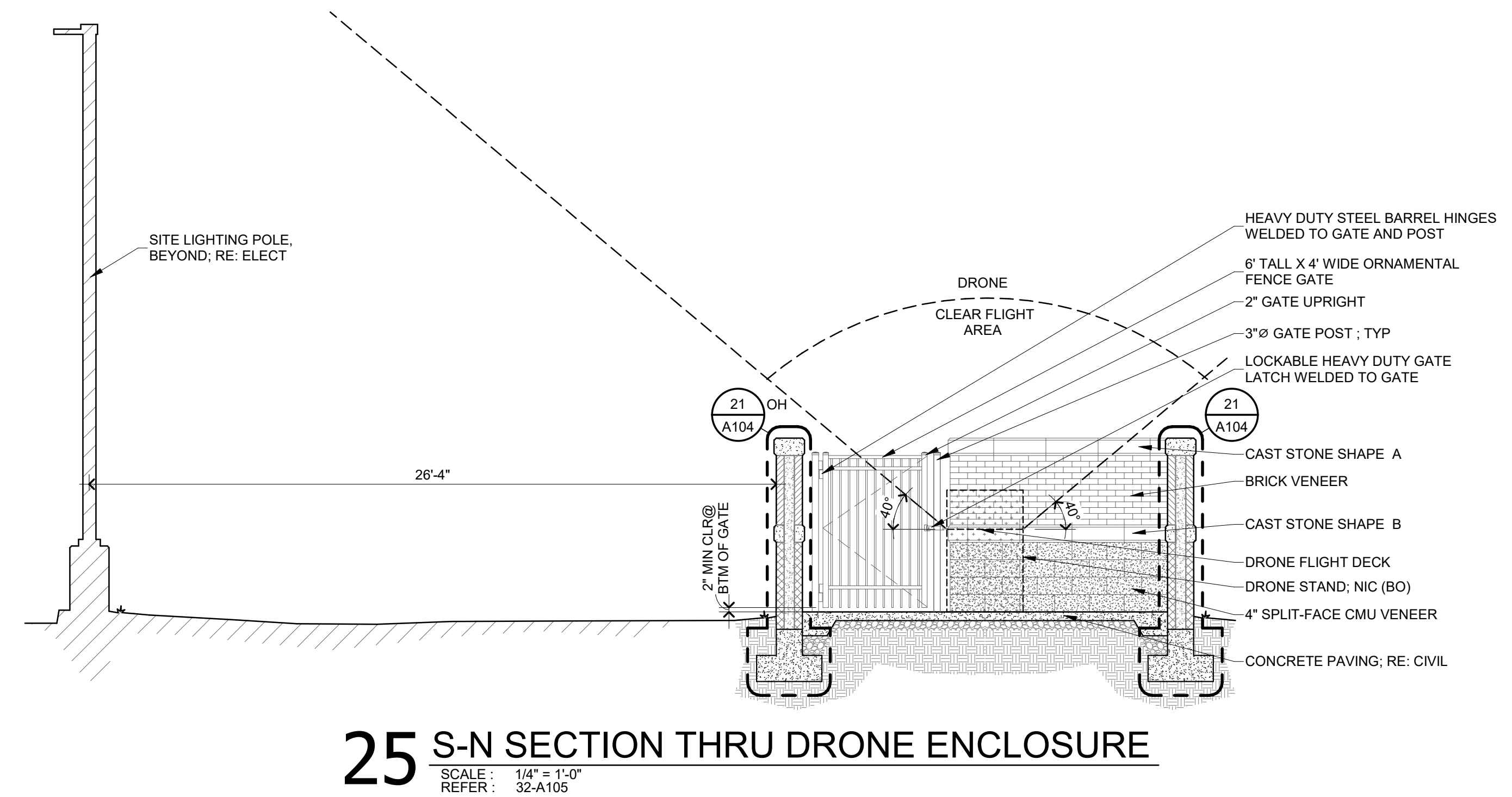
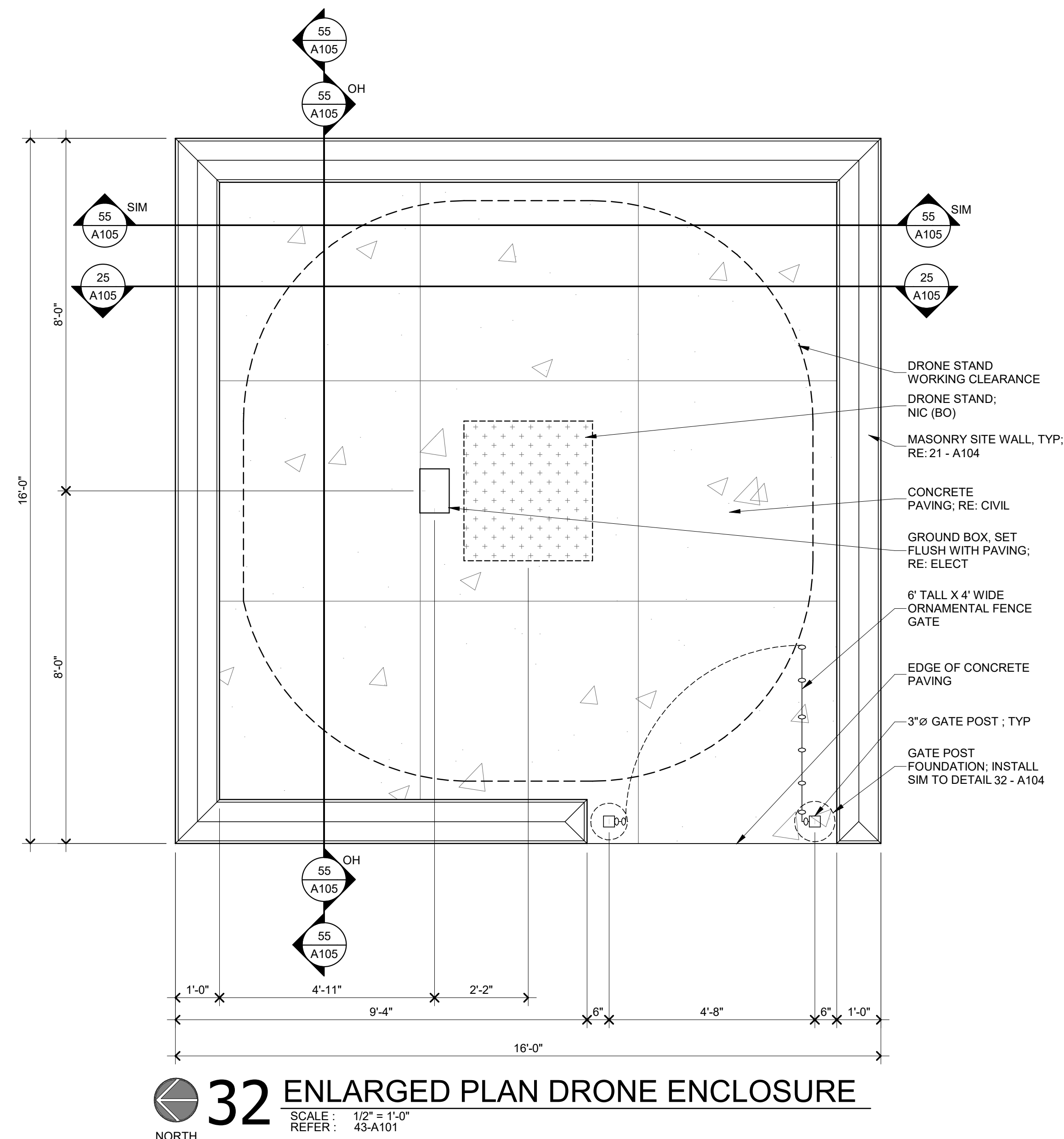
MB-1478
REPLACE FIRE STATION 31
720 NORTH ROCKWELL AVENUE
OKLAHOMA CITY, OKLAHOMA

REVISION ISSUE		
MARK	DATE	DESCRIPTION
SSR	06-11-2023	STORM SHELTER REVIEW
80%	08-09-2023	80% CD OWNER REVIEW SET
95%	08-03-2023	95% CD OWNER REVIEW SET
CD	09-05-2023	CONSTRUCTION DOCUMENTS
2	04-01-2024	ASI 001
4	02-20-2025	ASI 009

SHEET INFO
PROJECT: 2620518
DRAWN BY: JAM
CHECKED BY: JAM

SHEET TITLE
SITE PLAN

SHEET NUMBER
A101



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MB-1478
REPLACE FIRE STATION 31
720 NORTH ROCKWELL AVENUE
OKLAHOMA CITY, OKLAHOMA

REVISION ISSUE

MARK	DATE	DESCRIPTION
SSR	05-11-2023	STORM SHELTER REVIEW
80%	06-09-2023	80% CD OWNER REVIEWSET
95%	08-03-2023	95% CD OWNER REVIEWSET
CDs	09-05-2023	CONSTRUCTION DOCUMENTS
4	02-20-2025	ASI 009

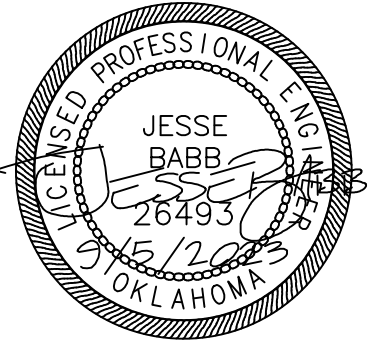
SHEET INFO

PROJECT: 2820G18
DRAWN BY: JAM
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SHEET TITLE
DRONE ENCLOSURE

SHEET NUMBER

A105



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MB-1478
REPLACE FIRE STATION 31
720 NORTH ROCKWELL AVENUE
OKLAHOMA CITY, OKLAHOMA

REVISION ISSUE

MARK	DATE	DESCRIPTION
SSR	06-11-2024	STORM SHELTER REVIEW
80%	06-09-2023	80% CD OWNER REVIEW SET
90%	08-02-2023	90% CD OWNER REVIEW SET
CDR	09-05-2023	CONSTRUCTION DOCUMENTS
1	10-18-2023	ADDENDUM 1
2	04-01-2024	AS1.1
3	07-20-2024	AS1.3
4	07-31-2024	AS1.4
7	02-14-2025	AS1.7
8	02-20-2025	AS1.8

SHEET INFO

PROJECT: 2820018
DRAWN BY: NR
CHECKED BY: JB

SHEET TITLE
ELECTRICAL
SITE PLAN

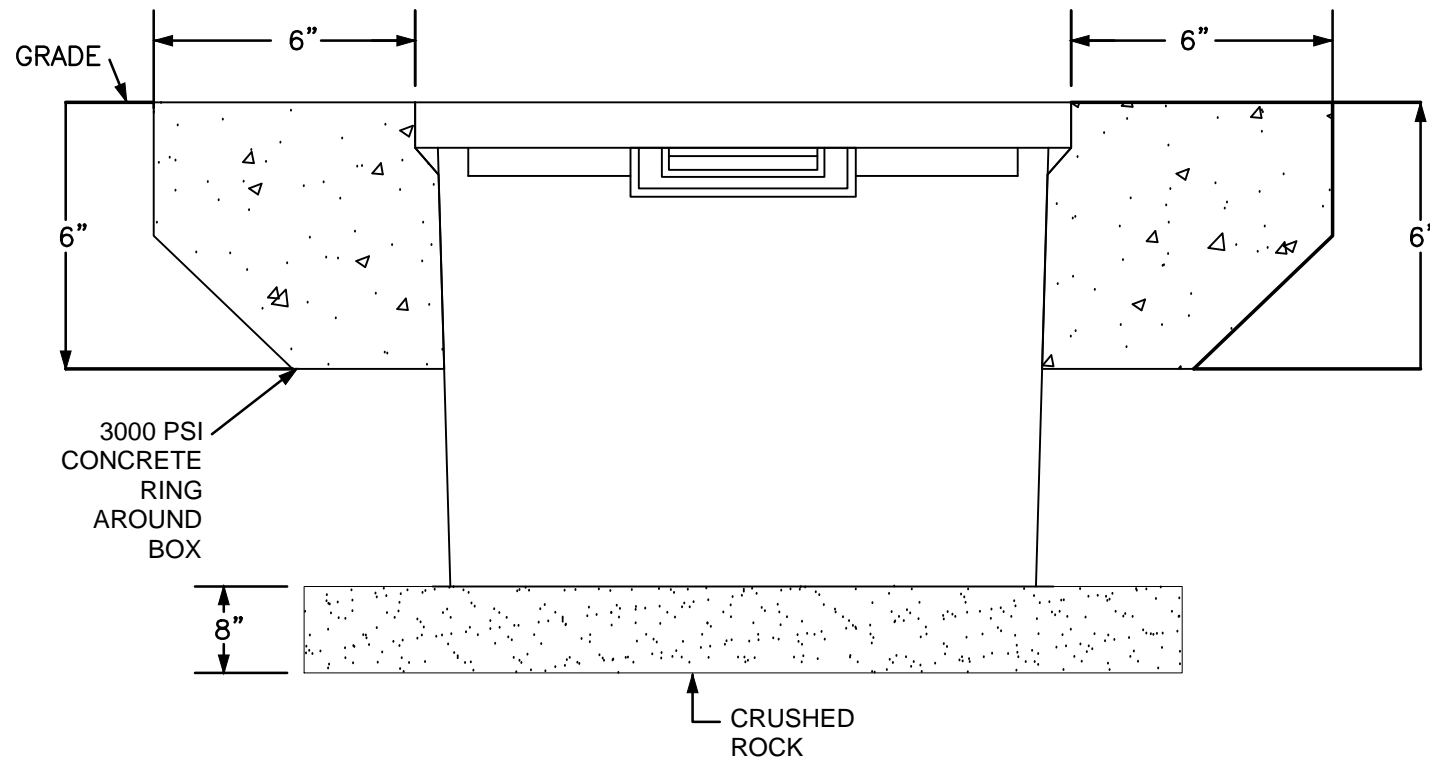
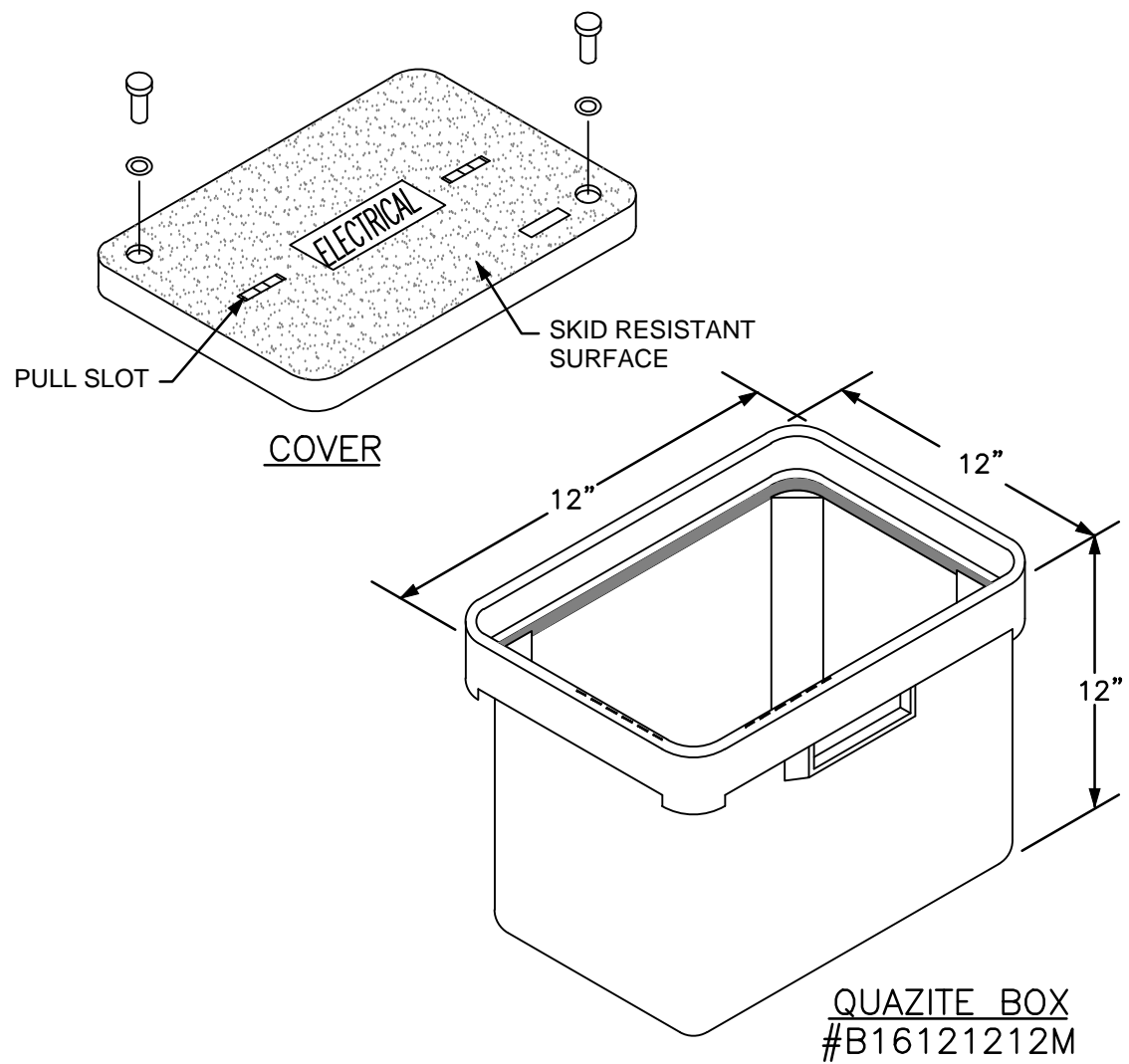
SHEET NUMBER

E100



GENERAL NOTES:

- EXCAVATE 8" DEEPER THAN THE DEPTH OF THE ENCLOSURE AND AT LEAST 12" WIDER IN ALL DIRECTIONS.
- INSTALL 8" GRAVEL OR CRUSHED ROCK FOR DRAINAGE - THOROUGHLY COMPACT AND LEVEL SUCH THAT THE TOP OF THE ENCLOSURE IS FLUSH WITH FINISH GRADE.
- PLACE SELECTED BACKFILL AROUND THE SIDES IN 6" INTERVALS AND MANUALLY COMPACT EACH INTERVAL TO MINIMIZE SETTLING. NOTE - LID AND LID SUPPORT BEAM SHOULD BE INSTALLED DURING THIS PROCESS.

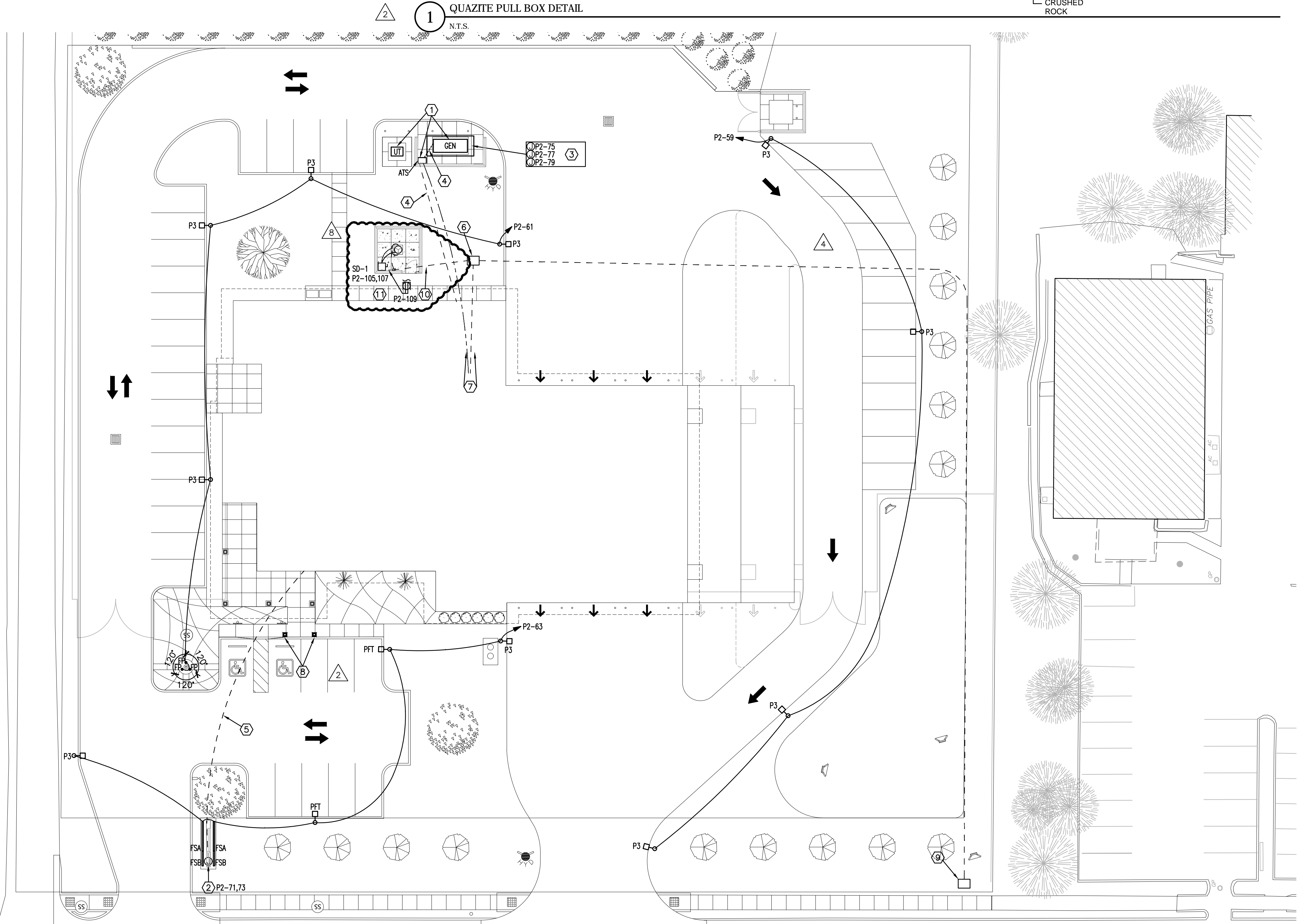


GENERAL NOTES:

- CONNECT ALL EXTERIOR LIGHTING WITH #8 IN 1" PVC BURIED A MINIMUM OF 24" BELOW GRADE UNLESS NOTED OTHERWISE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS WITH UTILITY TO PROVIDE ALL PARTS, TRENCHING, AND PAY ALL FEES NECESSARY TO BRING SERVICE TO NEW BUILDING. ANY/ALL COSTS INCURRED FROM UTILITY FOR INSTALLATION OF THE NEW ELECTRICAL SERVICE SHALL BE INCLUDED IN CONTRACTOR'S BID.
- ALL EMPTY CONDUITS SHALL HAVE PULL STRING INSTALLED.

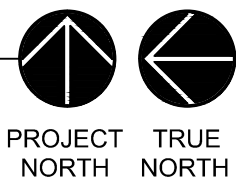
KEYED NOTES:

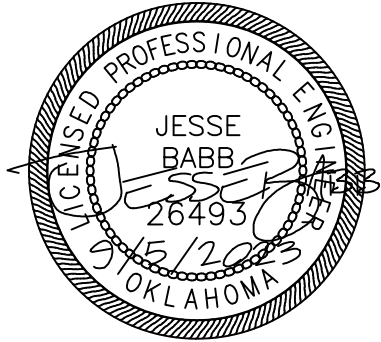
- PROPOSED LOCATION FOR UTILITY TRANSFORMER, GENERATOR, AND ATS.
- J-BOX FOR LED SIGNAGE, ASSOCIATED BRANCH CIRCUITING AND OVERCURRENT PROTECTION SHALL BE BID AS ALTERNATE #4.
- PROVIDE POWER AS REQUIRED FOR BATTERY HEATER/CHARGER AND BLOCK HEATER.
- PROVIDE (2) 1" CONDUITS EXTENDED FROM GENERATOR/ATS TO AN ACCESSIBLE LOCATION ON INTERIOR OF BUILDING FOR DATA FOR GENERATOR/ATS, CONTROLS, ALARM, AND BAS/MONITOR. MAKE ALLOWANCE TO EXTEND GENERATOR ALARM NOTIFICATION WIRING TO AN OFFICE LOCATION DETERMINED BY THE OWNER AND PROVIDE CONDUIT DOWN WALL AT THAT LOCATION. COORDINATE ALL REQUIRED CONDUIT RACEWAYS NEEDED WITH APPROVED GENERATOR MANUFACTURER AND PROVIDE AS NEEDED.
- AS PART OF ALTERNATE #4 PROVIDE (1) 2" CONDUIT WITH LONG SWEEP 90'S EXTENDED FROM LED SIGNAGE LOCATION TO AN ACCESSIBLE LOCATION IN I.T. 202. COORDINATE EXACT CONDUIT ROUGH-IN LOCATION WITH SIGNAGE PROVIDER.
- PROVIDE A QUAZITE IN GROUND BOX FOR NETWORK UTILITY ENTRY, REFER TO DETAIL #9 ON SHEET E330. CONDUITS FROM TTb AT MEZZANINE SHALL EXTEND TO THIS BOX. COORDINATE WITH UTILITY/OWNER FOR INCOMING CONDUIT LOCATION AND PREFERRED BOX INSTALLATION LOCATION.
- APPROXIMATE PATHWAY OF IT RACEWAY AND MDP FEEDER CONDUITS. CONDUITS SHALL EXTEND UP WALL TO MEZZANINE LEVEL, REFER TO POWER PLANS FOR ADDITIONAL DETAILS.
- PROVIDE QUAZITE BOX CENTERED IN PARKING SPACE AT BACK EDGE OF CURB. EXTEND A 1" CONDUIT FROM EACH BOX BACK TO PANEL P2 FOR FUTURE BRANCH CIRCUITING.
- PROVIDE A QUAZITE IN GROUND BOX FOR NETWORK UTILITY ENTRY, REFER TO DETAIL #9 ON SHEET E330. PROVIDE (2) 4" HDPE SMOOTH WALL ORANGE CONDUITS, EACH WITH MAXCELL MXED88383 3-CELL DETECTABLE INNERDUCT IN EACH CONDUIT. CONDUITS SHALL HAVE LONG SWEEP 90'S AND EXTEND TO QUAZITE BOX ON EAST SIDE OF BUILDING AS SHOWN. EXACT LOCATION & TERMINATION SHALL BE PER TEL CO'S REQUIREMENTS.
- PROVIDE 1" CONDUIT EXTENDED FROM QUAZITE BOX TO A 12"x12"x6" NEMA 3R JUNCTION BOX MOUNTED ON THE INTERIOR WALL OF HOUSING. EXTEND ADDITIONAL 1" CONDUIT OUT OF BOX UNDERGROUND TO DRONE PLACEMENT LOCATION AND PROVIDE METAL LB MOUNTED ON GRADE WITH FMC CONDUIT EXTENDING OUT OF LB TO DRONE CONDUIT ENTRY LOCATIONS. ROUTE CAT-6 CABLE FROM IT RACK TO THIS LOCATION UTILIZING 4" CONDUIT EXTENDING UP TO IT 202.
- UTILIZE SITE LIGHTING RACEWAY FOR ADDITIONAL BRANCH CIRCUITING NEEDED FOR DRONE POWER AND RECEPTACLE.



ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"
REFER: S-E100





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FIRE STATION DESIGN:
STEWART COOPER NEWELL

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REVISION ISSUE

MARK	DATE	DESCRIPTION
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8	02-20-2025	AS1.8

SHEET INFO

PROJECT: 2820018
DRAWN BY: NR
CHECKED BY: JB

SHEET TITLE
ELECTRICAL
SYSTEMS PLAN
- ALTERNATE #2

SHEET NUMBER

E420



GENERAL NOTES:

A. FIRE ALARM DEVICES ARE SHOWN FOR DESIGN INTENT ONLY; PROVIDE DEVICES AND QUANTITIES NEEDED TO MEET APPLICABLE CODE. IT IS THE RESPONSIBILITY OF THE FIRE ALARM SYSTEM PROVIDER TO PROVIDE ALL DEVICES AND HARDWARE NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM PER CODE. DEVICES MAY BE CEILING OR WALL MOUNTED WHERE THE LOCATION IS APPROVED BY THE LOCAL AHJ. FINAL DEVICE LOCATIONS AND QUANTITIES ARE TO BE DETERMINED BY FIRE ALARM CONTRACTOR IN ORDER TO SATISFY THE AHJ. COORDINATE LOCATIONS OF WALL-MOUNTED DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

B. IN ALL SLEEPING ROOMS, INSTALL 520HZ SQUARE WAVE HORN NEAR BED AND CEILING-MOUNTED SMOKE DETECTOR.

C. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES. SEE MECHANICAL PLANS FOR MORE DETAIL. UNLESS NOTED OTHERWISE, PROVIDE 120V POWER FOR MOTORIZED DAMPERS FOR ALL FANS. INTERLOCK WITH CORRESPONDING FAN. UNLESS NOTED OTHERWISE, ALL FANS HAVE A MOTORIZED DAMPER. REFER TO MECHANICAL PLANS FOR LOCATIONS OF ALL DAMPERS.

D. PROVIDE ROUGH-IN AS REQUIRED FOR THERMOSTATS; REFER TO MECHANICAL PLANS FOR LOCATIONS AND COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

E. PROVIDE (1) 1-1/2" CONDUIT SLEEVE THROUGH THE WALL ABOVE EACH ROOM DOOR IN AN ACCESSIBLE LOCATION ABOVE THE CEILING OR AT THE DECK IN OPEN CEILING AREAS.

F. PROVIDE 120V J-BOX AT EACH BAS CONTROLLER. COORDINATE EXACT LOCATION WITH INSTALLER.

G. ANY PENETRATION EXCEEDING 3-1/2 SQUARE INCHES OR 2-1/16" DIAMETER INTO OR OUT OF STORM SHELTERS SHALL BE PROVIDED WITH PROTECTIVE DEVICES THAT MEET THE DEBRIS IMPACT, WIND PRESSURE AND TEST CRITERIA FOUND IN ICC 500-2014. REF: STRUCTURAL. THIS INCLUDES MULTIPLE CONDUIT THROUGH THE SAME PENETRATION. IF CONDUIT PENETRATING STORM SHELTER ENVELOPE IS LESS THAN 2-1/16" DIAMETER AND SPACED SO THERE IS A MINIMUM OF 8" WALL/ROOF REMAINING IN ANY DIRECTION, NO OPENING PROTECTION IS REQUIRED. REFERENCE ARCHITECTURAL/STRUCTURAL FOR OPENING PROTECTION IF REQUIRED.

H. ALL EMPTY CONDUITS SHALL HAVE PULL STRING INSTALLED.

I. DEVICES LABELED 'RR2' ARE APPROXIMATE ROUGH-IN LOCATIONS FOR THE ROOM REMOTES (PROVIDED BY OTHER) FOR THE ALERTING SYSTEM. THEY ARE INTENDED TO BE INSTALLED 58" FROM THE FLOOR TO THE BOTTOM OF THE CONDUIT BOX AND 6"-12" FROM THE LIGHT SWITCH INSIDE ROOMS 118, 119, 121, AND 122. IN ROOMS 107 AND 108 THEY ARE INTENDED TO BE INSTALLED 12" FROM THE NEAREST DOOR FRAME TO THE APPROXIMATE LOCATION SHOWN ON PLANS. PROVIDE 4-GANG ROUGH-IN BOX WITH DIMENSIONS AT LEAST 2-3/4" HIGH BY 7-3/8" WIDE WITH A 1-1/4" CONDUIT EXTENDED ABOVE THE CEILING IN AN ACCESSIBLE LOCATION.

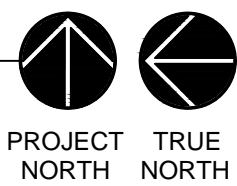
J. DEVICES LABELED 'CIR' ARE APPROXIMATE ROUGH-IN LOCATIONS FOR COLOR INDICATOR REMOTES (PROVIDED BY OTHERS) FOR THE ALERTING SYSTEM. PROVIDE SINGLE GANG BOX MOUNTED HORIZONTALLY AT 100" AFF WITH A 1" CONDUIT EXTENDED ABOVE THE CEILING IN AN ACCESSIBLE LOCATION.

KEYED NOTES:

- PROVIDE A 120V J-BOX CONNECTION FOR BAS CONTROLS, COORDINATE EXACT LOCATION WITH CONTROLS CONTRACTOR.
- ALERTING SYSTEM - PROVIDE (1) 3" CONDUIT WITH WEATHERHEAD EXTENDED THROUGH ROOF DIRECTLY NEXT TO RIDGELINE OF ROOF. WEATHERHEAD SHALL BE SECURLY MOUNTED TO SUPPORT ALERTING SYSTEM ANTENNA. REFER TO ARCHITECTURAL ROOF PLAN FOR OVERALL VIEW AND COORDINATE EXACT LOCATION AND MOUNTING REQUIREMENTS WITH OWNER. ROUTE CONDUIT TO IT ROOM SUCH THAT NO MORE THAN (2) 90° ELBOWS ARE USED.
- J-BOX AT THIS LOCATION SHALL HAVE EMPTY CONDUIT FOR FUTURE BABY BOX LOW VOLTAGE CABLES FOR MONITORING.
- EMERGENCY VENTILATION WALL SWITCH. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS.
- NO CONDUIT RACEWAYS SHALL EXTEND DOWN THE WALL WHERE THE BABY BOX WILL BE INSTALLED.
- TALKPHONE, PROVIDE VOIP-500 OR CURRENT EQUIVALENT. COORDINATE WITH OWNER FOR INTERIOR HANDSET LOCATION AND PROVIDE ALL DATA CABLING BETWEEN LOCATIONS AS REQUIRED.
- SWITCH AT THIS LOCATION SHALL HAVE 10 SETS OF UP/DOWN FUNCTIONS FOR ALL OVERHEAD DOORS. PROVIDE CLEARLY VISIBLE LABEL ON EACH SWITCH DESIGNATING DOOR NUMBER, COORDINATE EXACT DOOR TAG ID WITH OWNER.
- PROVIDE SINGLE GANG BOX 12'-0" AFF WITH 3/4" CONDUIT EXTENDED TO ACCESSIBLE LOCATION ABOVE THE CEILING ON INTERIOR OF BUILDING FOR ALERTING SYSTEM SPEAKER.
- PROVIDE SINGLE GANG BOX 48" AFF WITH 3/4" CONDUIT EXTENDED TO ACCESSIBLE LOCATION ABOVE THE CEILING ON INTERIOR OF BUILDING FOR ALERTING SYSTEM PUSH BUTTON.
- PROVIDE 3/4" CONDUIT AT DECK EXTENDING INTO MECH 201 WITH JBOXES WHERE SHOWN FOR ALERTING SYSTEM SPEAKER.
- PROVIDE (2) 1-1/2" CONDUIT SLEEVE PENETRATIONS THROUGH THE SAFE ROOM WALL EXTENDED TO AN ACCESSIBLE LOCATION ABOVE JAN 111. SPACE CONDUITS PER STRUCTURAL DETAILS SUCH THAT REINFORCING IS NOT REQUIRED.

ELECTRICAL SYSTEMS PLAN - ALTERNATE #2

SCALE: 1/8" = 1'-0"
REFER: S-E420



PROJECT NORTH
TRUE NORTH

MECHANICAL EQUIPMENT SCHEDULE														
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA	MOCP	CIRCUIT	WIRE CALLOUT	BREAKER	DISCO	DISCO PROV BY	DISCO INST BY	KEYED NOTES	
HP-0A	HEAT PUMP A	208V 3P 3W		17.4	60.3	80	MDP-13,15,17	1"Cu,3#4,1#8G	80/3	NON-FUSED	EC	EC		1
HP-01A	HEAT PUMP A	208V 3P 3W		8.2	28.5	40	MDP-19,21,23	3/4"C,2#10,1#10G	40/3	NON-FUSED	EC	EC		1
HP-01B	HEAT PUMP B	208V 3P 3W		16.6	57.9	80	MDP-26,28,30	1"Cu,3#4,1#8G	80/3	NON-FUSED	EC	EC		1
HP-02	HEAT PUMP	208V 2P 2W		3.2	19	30	P2-53,55	3/4"C,2#10,1#10G	30/2	NON-FUSED	EC	EC		
TAC-01	TERMINAL AIR CONDITIONER	208V 2P 2W		0.4	2.3	15	P2-18,20	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-02	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-22,24	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-03	TERMINAL AIR CONDITIONER	208V 2P 2W		0.4	2.3	15	P2-26,28	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-04	TERMINAL AIR CONDITIONER	208V 2P 2W		0.4	2.3	15	P2-30,32	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-05	TERMINAL AIR CONDITIONER	208V 2P 2W		0.3	1.67	15	P2-34,36	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-06	TERMINAL AIR CONDITIONER	208V 2P 2W		0.04	0.25	15	P2-38,40	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-07	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-42,44	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-08	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-46,48	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-09	TERMINAL AIR CONDITIONER	208V 2P 2W		0.87	5.2	15	P2-50,52	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-10	TERMINAL AIR CONDITIONER	208V 2P 2W		0.87	5.2	15	P2-54,56	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-11	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-58,60	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-12	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-62,64	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-13	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-66,68	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-14	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-70,72	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-15	TERMINAL AIR CONDITIONER	208V 2P 2W		0.42	2.5	15	P2-74,76	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-16	TERMINAL AIR CONDITIONER	208V 2P 2W		0.03	0.2	15	P2-78,80	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-17	TERMINAL AIR CONDITIONER	208V 2P 2W		0.38	2.3	15	P2-82,84	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-18	TERMINAL AIR CONDITIONER	208V 2P 2W		0.38	2.3	15	P2-86,88	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
TAC-19	TERMINAL AIR CONDITIONER	208V 2P 2W		0.33	2	15	P2-90,92	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		

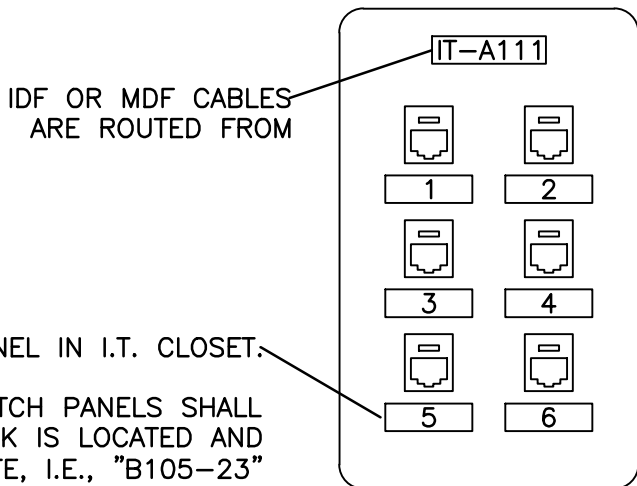
MECHANICAL EQUIPMENT SCHEDULE GENERAL NOTES:

- A. SEE MECHANICAL PLANS AND EQUIPMENT SCHEDULES FOR MORE DETAILS.
B. BECAUSE INSTALLED EQUIPMENT MAY VARY FROM WHAT WAS SPECIFIED, CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND ADJUST ALL CONDUIT, CONDUCTOR, AND FUSE / BREAKER SIZES AND CHARACTERISTICS WITH ACTUAL EQUIPMENT.
C. PROVIDE LABELS ON ALL EQUIPMENT. REFER TO SPECIFICATIONS.
D. COORDINATE ALL CONTROL AND POWER WIRING WITH MECHANICAL CONTRACTOR. PROVIDE ALL ROUGH-IN AS REQUIRED FOR CONTROLS. REFER TO MECHANICAL PLANS FOR LOCATIONS AND CONNECTION REQUIREMENTS OF ASSOCIATED CONTROLS AND POWER SUCH AS, BUT NOT LIMITED TO, MOTOR DAMPER/LOUVERS FOR ALL FANS. PROVIDE POWER AS REQUIRED FOR PROPER OPERATION.
E. MECHANICAL EQUIPMENT CONDUCTORS ARE SIZED WITH NAMEPLATE MCA PER NEC 440.6(A), THEREFORE CONDUCTOR SIZING MAY NOT CORRESPOND WITH BREAKER SIZE.
F. SUBMITTED MINI-SPLIT/TAC SYSTEMS, VARIABLE REFRIGERANT FLOW SYSTEMS, AND SIMILAR SYSTEMS OFTEN REQUIRE WIRING AND CIRCUITING REQUIREMENTS THAT DIFFER FROM WHAT WAS DESIGNED. THIS INFORMATION IS NOT READILY AVAILABLE DURING DESIGN. IF/WHEN THESE TYPES OF SYSTEMS ARE USED, CIRCUITING AS SHOWN ON THE PLANS MAY NOT BE REQUIRED DEPENDING ON THE SUBMITTED MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROPER CONNECTION REQUIREMENTS, WIRE TYPES, AND WIRES SIZE WITH THE SYSTEM MANUFACTURER PRIOR TO ROUGH-IN. REFER TO TYPICAL VRF / MINI SPLIT / TAC DETAIL FOR MORE INFO.

MECHANICAL EQUIPMENT SCHEDULE KEYED NOTES:

1. HEAT PUMP SHALL HAVE A 15 SECOND DELAY ON STARTUP AFTER A POWER FAILURE UPON GENERATOR STARTUP. COORDINATE EXACT DEVICE REQUIREMENTS WITH CONTROLS CONTRACTOR AND PROVIDE ADDITIONAL WIRING/COMPONENTS AS NEEDED.

ETHERNET CABLING COLORS	
COLOR STANDARDS:	
DATA	BLUE
HVAC/BAS	GREY
POE FOR WAPs	YELLOW
CCTV SYSTEM	GREEN
1/31/2013 14:28	



NUMBER JACKS TO MATCH PATCH PANEL IN I.T. CLOSET.

IN I.T. CLOSET, LABEL ON PATCH PANELS SHALL INDICATE ROOM NUMBER WHERE JACK IS LOCATED AND JACK NUMBER AS GIVEN ON FACEPLATE, I.E., "B105-23" FOR A JACK LABELED #23 IN ROOM B105.

1 I.T. FACEPLATE LABELING DETAIL.
N.T.S.

NETWORK CABLING GENERAL NOTES:

- ALL CAT CABLING SHALL BE CAT-6. CABLING ROUTED THROUGH CONDUIT THAT TRAVELS UNDER A SLAB-ON-GRADE OR OTHERWISE OUTSIDE OF THE BUILDING SHALL BE INDOOR/OUTDOOR OSP CABLING WITH CM LISTING.
- DIVISION 27 CONTRACTOR SHALL PROVIDE AND INSTALL ALL CAT CABLE, INCLUDING TERMINATIONS, LABELING AND TESTING.
- CABLING FOR DIFFERENT SYSTEM TYPES SHALL BE BUNDLED SEPARATELY.
- ALL CABLING SHALL BE INSTALLED IN BUNDLES OF 48 OR FEWER CABLES.
- ALL CABLING FOR A SINGLE ROOM SHALL BE ROUTED THROUGH A SINGLE WALL PENETRATION IN SINGLE LOCATION (GROUP CABLES AND PENETRATIONS, DO NOT PENETRATE WALL RANDOMLY FOR DROPS INTO A SINGLE ROOM).
- IN EXPOSED AREAS, CABLING SHALL BE INSTALLED IN CONDUIT UNLESS A CABLE TRAY IS SHOWN.
- IN AREAS ABOVE CEILING, CABLING SHALL BE INSTALLED NEATLY IN J-HOOKS UNLESS A CABLE TRAY PATH IS SHOWN. CABLING SHALL BE INSTALLED IN A NEAT AND ORDERLY MANNER AT RIGHT ANGLES TO THE BUILDING STRUCTURE. CABLING SHALL HAVE INDEPENDENT J-HOOK SUPPORTS IN ALL AREAS. CABLING SHALL NOT BE INSTALLED ON TOP OF DUCTWORK, SPRINKLER PIPING, HVAC PIPING OR ANY OTHER EQUIPMENT OR SYSTEM COMPONENTS. ANY CABLING NOT NEATLY INSTALLED SHALL BE REMOVED, REPLACED AND TESTED AT CONTRACTOR'S EXPENSE.
- ALL EMPTY CONDUITS SHALL HAVE THREE 600LB TENSILE STRENGTH PULL STRINGS INSTALLED.
- ALL PENETRATIONS THROUGH FIRE OR SMOKE WALLS SHALL BE MADE USING A UL CLASSIFIED FIRESTOP SLEEVE KIT OF THE APPROPRIATE SIZE (AS MANUFACTURED BY "SPECIFIED TECHNOLOGIES" www.stifirestop.com).
- PROVIDE (10) ADDITIONAL DROPS BEYOND WHAT IS SHOWN ON THE PLANS TO BE ADDED AT NO ADDITIONAL COST TO THE OWNER, FOR BIDDING PURPOSES, ASSUME THE LONGEST POSSIBLE LENGTH FOR THESE DROPS. THESE DROPS WILL BE LOCATED AS REQUIRED DURING CONSTRUCTION.
- IN ALL FLOORBOXES LOCATED IN SLAB-ON-GRADE CONCRETE FLOORS, THE CONDUIT FOR CABLING SHALL BE ROUTED CONTINUOUSLY FROM THE FLOORBOX TO THE NEAREST IT CLOSET (MDF, IDF, ETC). PROVIDE PULL-BOX(ES) AS REQUIRED.
- ALL DATA JACKS SHALL BE TERMINATED IN 568A CONFIGURATION. JACKS SHALL BE EQUAL TO THE FOLLOWING (COLOR OF JACKS SHALL MATCH CABLE COLORING CODE):
 - CAT-6: LEVITON 61110-R*6

NETWORK SYSTEMS GENERAL NOTES:

- LABELING:**
 - FACEPLATE LABELING SCHEME WILL CONTAIN ASSIGNED IDENTIFIERS FOR SPACE (ROOM), PANEL AND PORT PER TIA/EIA 606 STANDARDS. ALL LABELS MUST BE MACHINE GENERATED AND INSERTED INTO FACEPLATE THEN SECURED WITH CLEAR PLASTIC COVER.
 - EACH CABLE SHALL BE LABELED IN FOUR PLACES. ON PATCH PANEL, ON CABLE 18" FROM END OF CABLE, AT WALL PLATE 18" FROM END OF CABLE AND ON WALL PLATE.
 - LABEL AT THE TOP OF ALL FACEPLATES SHALL INDICATE THE I.T. ROOM NUMBER SERVING THAT FACEPLATE. FOR EXAMPLE, IF THE LABEL IS "I.T.-A111", THEN THIS MEANS THE CABLES IN THIS FACEPLATE ARE TERMINATED IN I.T. ROOM A111. THE INDIVIDUAL CABLE MODULES WILL BE IDENTIFIED WITH A LABEL REPRESENTING THE PORT NUMBER BELOW EACH CABLE MODULE. THIS PORT NUMBER WILL BE THE SAME PORT NUMBER USED TO IDENTIFY THIS CABLE IN THE I.T. ROOM. FOR EXAMPLE, IF 10 CABLES ARE TERMINATING IN EACH OF TWO ROOMS, THE FACEPLATE PORT NUMBERS WILL FALL IN A RANGE FROM 1 TO 10 FOR THE FIRST ROOM, THE NEXT ROOM WILL BE 11 TO 20, ETC.
 - COORDINATE ALL ROOM NUMBERS WITH OWNER. FINAL ROOM NUMBERS WILL VARY FROM THOSE INDICATED ON THESE PLANS.
 - FACEPLATES SHALL BE ANGLED FOR CAT-6A PORTS.
- MDF ROOM EQUIPMENT:**

THE FOLLOWING EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE DIVISION 27 CONTRACTOR:

 - CONTRACTOR SHALL PROVIDE AND INSTALL A RACK IN THE MDF CLOSET. COORDINATE EXACT LOCATION ON SITE WITH OWNER. PROVIDE ADDITIONAL RACKS AS NEEDED FOR PATCH PANELS.
 - IN EACH RACK, PROVIDE AND INSTALL SUFFICIENT PATCH PANELS FOR ALL DATA CABLES. INCLUDE A MINIMUM OF 20% SPARE (EMPTY) PATCH PANEL SPACES IN EACH RACK. PATCH PANELS SHALL BE LEVITON OR APPROVED EQUIVALENT

MECHANICAL EQUIPMENT SCHEDULE														
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA	MOCP	CIRCUIT	WIRE CALLOUT	BREAKER	DISCO	DISCO PROV BY	DISCO INST BY	KEYED NOTES	
AC-01	AIR COMPRESSOR	208V 3P 3W	7.5 HP	9.15		60	P2-98,100,102	1"Cu,3#4,1#10G	60/3	FUSED	EC	EC		1
BEF-01	DIRECT DRIVE PROPELLER SIDEWALL FAN	120V 1P 2W	3/4 HP	1.66			P2-2	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		5
BEF-02	DIRECT DRIVE PROPELLER SIDEWALL FAN	120V 1P 2W	3/4 HP	1.66			P2-4	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		5
CM-1	COFFEE MAKER	208/120V 2P 3W		5	8.9	15	P1-75,77	3/4"C,2#10,1#10N,1#10G	15/2	NON-FUSED	EC	EC		
CP-01	CIRCULATION PUMP	120V 1P 2W	F HP	0.1			P2-94	3/4"C,1#10,1#10N,1#10G	20/1	JUNCTION BOX	EC	EC		
CM-1	COMMERCIAL WASHER	208V 2P 2W		1.3			P1-44,46	3/4"C,2#10,1#10G	20/2	NON-FUSED	EC	EC		
DF-01	INLINE FAN DRYER FAN	120V 1P 2W	1/10 HP	0.42			P2-25	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
DOAS-01	DEDICATED OUTSIDE AIR UNIT	208V 2P 2W		1.2	7.3	15	MDP-10,12	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
DOAS-01A	DEDICATED OUTSIDE AIR UNIT HEAT STRIP	208V 2P 2W		20			MDP-14,16	1-1/4"C,2#1/0,1#8G	125/2	NON-FUSED	EC	EC		
DOAS-02	DEDICATED OUTSIDE AIR UNIT	208V 2P 2W		0.4	2.5	15	MDP-18,20	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		1
DOAS-02A	DEDICATED OUTSIDE AIR UNIT HEAT STRIP	208V 2P 2W		10			MDP-22,24	3/4"C,2#4,1#8G	70/2	NON-FUSED	EC	EC		1
EF-01	CEILING FAN	120V 1P 2W	F HP	0.1			P2-11	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EF-02	CEILING FAN	120V 1P 2W	F HP	0.1			P2-13	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EF-03	CEILING FAN	120V 1P 2W	F HP	0.1			P2-15	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EF-04	CEILING FAN	120V 1P 2W	F HP	0.1			P2-17	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EF-05	DIRECT DRIVE CENTRIFUGAL INLINE FAN	120V 1P 2W	1/10 HP	0.42			P2-19	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EF-06	DIRECT DRIVE CENTRIFUGAL INLINE FAN	120V 1P 2W	1/4 HP	0.7			P2-21	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EF-07	DIRECT DRIVE CENTRIFUGAL INLINE FAN	120V 1P 2W	1/2 HP	1.18			P2-23	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
EUH-01	ELECTRIC HORIZONTAL HEATER	208V 2P 2W		3.3			P2-31,33	3/4"C,2#10,1#10G	20/2	MANUAL MOTOR STARTER	EC	EC		
EVF-01	DIRECT DRIVE CENTRIFUGAL INLINE FAN	120V 1P 2W	1/10 HP	0.42			INV-2	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
HRU-01	HEAT RECOVERY UNIT	208V 2P 2W		0.01	0.09	15	P2-41,43	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
HRU-02	HEAT RECOVERY UNIT	208V 2P 2W		0.01	0.09	15	P2-45,47	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
HRU-03	HEAT RECOVERY UNIT	208V 2P 2W		0.01	0.09	15	P2-49,51	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
HVLS-01	HIGH VOLUME LOW SPEED FAN	120V 1P 2W	1/4 HP	0.7			P2-1	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		2
HVLS-02	HIGH VOLUME LOW SPEED FAN	120V 1P 2W	1/4 HP	0.7			P2-3	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		2
IM-1	ICE MAKER	208V 2P 2W		6	8.9	15	P1-38,40	3/4"C,2#10,1#10G	15/2	NON-FUSED	EC	EC		
IRH-01	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-27	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-02	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-29	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-03	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-27	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-04	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-29	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-05	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-27	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-06	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-29	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-A1-01	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-27	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-A1-02	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-29	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-A2-01	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-27	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
IRH-A2-02	INFARED TUBE CNG SPECIALTY HEATER	120V 1P 2W		0.22			P2-29	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
KEF-01	UPBLAST CENTRIFUGAL SIDEWALL EXHAUST FAN	120V 1P 2W	1/4 HP	0.7			P2-35	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
KH-01-a	KITCHEN HOOD LIGHTS	120V 1P 2W	1/4 HP	0.7			P2-39	3/4"C,1#10,1#10N,1#10G	20/1	JUNCTION BOX	EC	EC		
KH-01-b	KITCHEN HOOD CONTROLS	120V 1P 2W	1/4 HP	0.7			P2-37	3/4"C,1#10,1#10N,1#10G	20/1	JUNCTION BOX	EC	EC		
MAU-1	MAKEUP AIR UNIT	208V 3P 3W		3.3	11.3	15	P2-5,7,9	3/4"C,3#10,1#10G	15/3	NON-FUSED	EC	EC		5
MD-DDAS	MOTORIZED DAMPER	120V 1P 2W		0.02			P2-104	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
MD-EVF-1A	MOTORIZED DAMPER	120V 1P 2W		0.02			INV-2	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
MD-EVF-1B	MOTORIZED DAMPER	120V 1P 2W		0.02			INV-2	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
MD-MAU	MOTORIZED DAMPER	120V 1P 2W		0.02			P2-104	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		
OD-1A	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-85	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-1B	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-87	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-2A	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-89	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-2B	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-91	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-3A	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-93,95	3/4"C,2#10,1#10N,1#10G	30/2	MANUAL MOTOR STARTER	EC	EC		6
OD-3B	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66						MANUAL MOTOR STARTER	EC	EC		6
OD-4A	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-97	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-4B	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-99	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-5A	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-101	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
OD-5B	OVERHEAD DOOR	120V 1P 2W	3/4 HP	1.66			P2-103	3/4"C,1#10,1#10N,1#10G	20/1	MANUAL MOTOR STARTER	EC	EC		6
PDC-1	PPE DRYING CABINET	208V 2P 2W		12	65	70	P1-56,58	3/4"C,2#4,1#8G	70/2	NON-FUSED	EC	EC		
SD-1	SKYDIO DOCK	208/120V 2P 3W		2			P2-93,95	3/4"C,2#10,1#10N,1#10G	30/2	NON-FUSED	EC	EC		7
VEF-01	MIXED FLOW UPBLAST BELT DRIVEN FAN	208V 3P 3W	5 HP	6.32		30	P2-6,8,10	3/4"C,3#10,1#10G	30/3	NON-FUSED	EC	EC		3
VEF-01-A2	MIXED FLOW UPBLAST BELT DRIVEN FAN	208V 3P 4W	7.5 HP	9.15			P2-12,14,16	3/4"C,3#8,1#8N,1#10G	40/3	NON-FUSED	EC	EC		4
WH-01	GAS WATER HEATER	120V 1P 2W		0.4			P2-94	3/4"C,1#10,1#10N,1#10G	20/1	DUPLEX GFI RECEPTACLE	EC	EC		

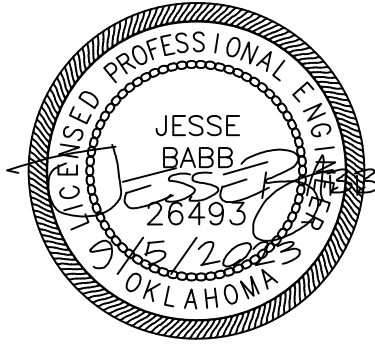
Panel		LOCATION		VOLTS 208Y/120V 3P 4W		AIC 22,000	
P1		MOUNTING SURFACE		BUS AMPS 400		MAIN BKR 400	
		FED FROM MDP		NEUTRAL 100%		LUGS DOUBLE	
		NOTE DOUBLE TUB					
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	1.01	LIGHTING	a 2	20/1	0.8	RECEPTACLE
3	20/1	0.284	LIGHTING	b 4	20/1	0.8	RECEPTACLE
5	20/1	0.684	LIGHTING	c 6	20/1	0.8	RECEPTACLE
7	20/1	0.401	LIGHTING	a 8	20/1	0.36	RECEPTACLE
9	20/1	0.474	LIGHTING	b 10	20/1	0.72	RECEPTACLE
11	20/1	0.473	LIGHTING	c 12	20/1	0.72	RECEPTACLE
13	20/1	0.763	LIGHTING	a 14	20/1	0.9	RECEPTACLE
15	20/1	0.116	LIGHTING	b 16	20/1	0.72	RECEPTACLE
17	20/1	1.34	LIGHTING	c 18	20/1	0.54	DEADFRONT GFCI, RECEPTACLE
19	20/1	0.33	LIGHTING	a 20	20/1	0.9	RECEPTACLE
21	20/1	0.396	LIGHTING	b 22	20/1	0.9	RECEPTACLE
23	20/1	0.961	LIGHTING	c 24	20/1	0.9	RECEPTACLE
25	20/1	1.2	LIGHTING	a 26	20/1	0.9	RECEPTACLE
27	20/1	0.96	LIGHTING	b 28	20/1	0.36	RECEPTACLE
29	20/1	0.72	RECEPTACLE	c 30	20/1	0.72	RECEPTACLE
31	20/1	0.72	RECEPTACLE	a 32	20/1	0.36	RECEPTACLE
33	20/1	0.54	RECEPTACLE	b 34	20/1	1.08	RECEPTACLE
35	20/1	0.54	RECEPTACLE	c 36	20/1	0.54	RECEPTACLE
37	20/1	0.9	RECEPTACLE	a 38	15/2	6	IM-1
39	20/1	0.72	RECEPTACLE	b 40			
41	20/1	0.36	DEADFRONT GFCI, RECEPTACLE	c 42	20/1	0.36	RECEPTACLE
43	20/1	0.72	RECEPTACLE	a 44	20/2	1.3	CW-1
45	20/1	0.72	RECEPTACLE	b 46			
47	20/1	0.72	RECEPTACLE	c 48	40/2	5.6	DRYER
49	20/1	0.72	RECEPTACLE	a 50			
51	20/1	0.72	RECEPTACLE	b 52	20/1	0.5	RECEPTACLE
53	20/1	0.54	RECEPTACLE	c 54	20/1	0.72	RECEPTACLE
55	20/1	1.08	RECEPTACLE	a 56	70/2	12	PDC-1
57	20/1	0.18	RECEPTACLE	b 58			
59	20/1	0.6	GFCI BREAKER DISHWASHER	c 60	20/1	0.72	RECEPTACLE
61	20/1	0.6	GFCI BREAKER DISHWASHER	a 62	20/1	1.08	RECEPTACLE
63	20/1	0.36	RECEPTACLE	b 64	20/1	1.08	RECEPTACLE
65	20/1	0.58	GFCI BREAKER ICE MAKER, RECEPTACLE	c 66	20/1	0.72	RECEPTACLE
67	20/1	0.18	RECEPTACLE	a 68	20/1	1.08	RECEPTACLE
69	20/1	0.4	DISPOSAL	b 70	20/1	0.72	RECEPTACLE
71	20/1	1	RANGE	c 72	20/1	1	GFCI BREAKER CORD REEL
73	20/1	0.36	RECEPTACLE	a 74	30/1	2.5	GFCI BREAKER CORD REEL
75	15/2	5	CM-1	b 76	20/1	1	GFCI BREAKER CORD REEL
77				c 78	30/1	2.5	GFCI BREAKER CORD REEL
79	20/1	1	GFCI BREAKER MICROWAVE	a 80	20/1	1	GFCI BREAKER CORD REEL
81	20/1	1	GFCI BREAKER MICROWAVE	b 82	30/1	2.5	GFCI BREAKER CORD REEL
83	20/1	0.18	RECEPTACLE	c 84	20/1	1	GFCI BREAKER CORD REEL
85	20/1	1	IT RACK	a 86	30/1	2.5	GFCI BREAKER CORD REEL
87	20/1	1	IT RACK	b 88	20/1	1	GFCI BREAKER CORD REEL
89	20/1	1	IT RACK	c 90	30/1	2.5	GFCI BREAKER CORD REEL
91	20/1	1	IT RACK	a 92	20/1	0.36	RECEPTACLE
93	20/1	0.36	RECEPTACLE	b 94	20/1	1.2	LIGHTING
95	20/1	0.36	RECEPTACLE	c 96	20/1	0.18	RECEPTACLE
97	20/1	1	ACCESS ENTRY CONTROL	a 98	20/1	0	SPARE
99	20/1	0.18	ALERTING SYSTEM	b 100	20/1	0	SPARE
101	20/1	0	SPARE	c 102	20/1	0	SPARE
103	20/1	0	SPARE	a 104	20/1	0	SPARE
105	20/1	0	SPARE	b 106	20/1	0	SPARE
107	20/1	0	SPARE	c 108	20/1	0	SPARE
109	20/1	0	SPARE	a 110	20/1	0	SPARE
111	20/1	0	SPARE	b 112	20/1	0	SPARE
113	20/1	0	SPARE	c 114	20/1	0	SPARE
115	30/3	0.1	SPD-P1	a 116	20/1	0	SPARE
117				b 118	20/1	0	SPARE
119				c 120	20/1	0	SPARE
		CONN KVA	CALC KVA			CONN KVA	CALC KVA
LIGHTING		10.6	13.2 (125%)	MOTORS		7.4	7.4 (100%)
LARGEST MOTOR		6	1.5 (25%)	RECEPTACLES		60.1	35.1 (50%>10)
				HEATING		22.6	(100%)
				TOTAL LOAD		79.8	
				BALANCED 3-PHASE LOAD		221 A	
				PHASE A		114%	
				PHASE B		99.1%	
				PHASE C		86.9%	

Panel		LOCATION		VOLTS 208Y/120V 3P 4W		AIC 22,000	
P2		MOUNTING SURFACE		BUS AMPS 400		MAIN BKR 400	
		FED FROM MDP		NEUTRAL 100%		LUGS DOUBLE	
		NOTE DOUBLE TUB					
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.696	HVLS-01	a 2	20/1	1.66	BEF-01
3	20/1	0.696	HVLS-02	b 4	20/1	1.66	BEF-02
5	15/3	3.3	MAU-1	c 6	30/3	6.32	VEF-01
7				a 8			
9				b 10			
11	20/1	0.1	EF-01	c 12	40/3	9.15	VEF-01-A2
13	20/1	0.1	EF-02	a 14			
15	20/1	0.1	EF-03	b 16			
17	20/1	0.1	EF-04	c 18	15/2	0.4	TAC-01
19	20/1	0.42	EF-05	a 20			
21	20/1	0.696	EF-06	b 22	15/2	0.033	TAC-02
23	20/1	1.18	EF-07	c 24			
25	20/1	0.42	DF-01	a 26	15/2	0.4	TAC-03
27	20/1	1.08	IRH-01, IRH-03, IRH-05, IRH-A1-01, IRH-A2-01	b 28			
29	20/1	1.08	IRH-02, IRH-04, IRH-06, IRH-A1-02, IRH-A2-02	c 30	15/2	0.4	TAC-04
31	20/2	3.3	EUH-01	a 32			
33				b 34	15/2	0.3	TAC-05
35	20/1	0.696	KEF-01	c 36			
37	20/1	0.696	KH-01-b	a 38	15/2	0.042	TAC-06
39	20/1	0.696	KH-01-a	b 40			
41	15/2	0.014	HRU-01	c 42	15/2	0.033	TAC-07
43				a 44			
45	15/2	0.014	HRU-02	b 46	15/2	0.033	TAC-08
47				c 48			
49	15/2	0.014	HRU-03	a 50	15/2	0.87	TAC-09
51				b 52			
53	30/2	3.2	HP-02	c 54	15/2	0.87	TAC-10
55				a 56			
57	20/1	0.36	RECEPTACLE	b 58	15/2	0.033	TAC-11
59	20/1	0.54	LIGHTING	c 60			
61	20/1	0.63	LIGHTING	a 62	15/2	0.033	TAC-12
63	20/1	0.812	LIGHTING	b 64			
65	20/1	1	LIGHTING	c 66	15/2	0.033	TAC-13
67	20/1	1.13	LIGHTING	a 68			
69	20/1	1	BACKLIT SIGNAGE	b 70	15/2	0.033	TAC-14
71	20/1	1	LED SIGNAGE	c 72			
73	20/1	1	LED SIGNAGE	a 74	15/2	0.42	TAC-15
75	20/1	0.18	BATTERY CHARGER	b 76			
77	20/1	1.8	CASE HEATER	c 78	15/2	0.033	TAC-16
79	20/1	0.18	BATTERY HEATER	a 80			
81	20/1	0.18	FACP	b 82	15/2	0.38	TAC-17
83	20/1	0.18	RECEPTACLE	c 84			
85	20/1	1.66	OD-1A	a 86	15/2	0.38	TAC-18
87	20/1	1.66	OD-1B	b 88			
89	20/1	1.66	OD-2A	c 90	15/2	0.33	TAC-19
91	20/1	1.66	OD-2B	a 92			
93	20/1	1.66	OD-3A	b 94	20/1	0.5	CP-01, WH-01
95	20/1	0	SPARE	c 96	20/1	0.05	BAS CONTROLS
97	20/1	1.66	OD-4A	a 98	60/3	9.15	AC-01
99	20/1	1.66	OD-4B	b 100			
101	20/1	1.66	OD-5A	c 102			
103	20/1	1.66	OD-5B	a 104	20/1	0.03	MD-DOAS, MD-MAU
105	20/2	2	SD-1	b 106	20/1	0	SPARE
107				c 108	20/1	0	SPARE
109	20/1	0.18	RECEPTACLE	a 110	20/1	0	SPARE
111	20/1	0	SPARE	b 112	20/1	0	SPARE
113	20/1	0	SPARE	c 114	20/1	0	SPARE
115	20/1	0	SPARE	a 116	20/1	0	SPARE
117	20/1	0	SPARE	b 118	20/1	0	SPARE
119	20/1	0	SPARE	c 120	20/1	0	SPARE
121	20/1	0	SPARE	a 122	30/3	0.1	SPD-P2
123	20/1	0	SPARE	b 124			
125	20/1	0	SPARE	c 126			
		CONN KVA	CALC KVA			CONN KVA	CALC KVA
LIGHTING		6.81	8.52 (125%)	MOTORS		63.6	63.6 (100%)
LARGEST MOTOR		9.15	2.29 (25%)	RECEPTACLES		4.99	4.99 (50%>10)
				HEATING		3.98	(100%)
				TOTAL LOAD		83.3	
				BALANCED 3-PHASE LOAD		231 A	
				PHASE A		108%	
				PHASE B		99.9%	
				PHASE C		92.4%	



OKLAHOMA CITY
NORMAN + WEATHERFORD

405.525.8806
www.maplusarch.com



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CONSULTANTS

CIVIL:
SMITH ROBERTS BALDISCHWILER
STRUCTURAL:
KIRKPATRICK FOREST CURTIS
MEP:
ALLEN CONSULTING
LANDSCAPE:
LAUD STUDIO
FIRE STATION DESIGN:
STEWART COOPER NEWELL

MB-1478 REPLACE FIRE STATION 31 720 NORTH ROCKWELL AVENUE OKLAHOMA CITY, OKLAHOMA

REVISION ISSUE

MARK	DATE	DESCRIPTION
SSR	06-11-2024	STORM SHELTER REVIEW
80%	06-09-2024	BID CD OWNER REVIEW SET
90%	08-02-2024	ISSA CD OWNER REVIEW SET
CD	09-06-2024	CONSTRUCTION DOCUMENTS
1	10-18-2024	ADDENDUM 1
2	04-01-2024	AS1.1
3	07-02-2024	AS1.3
4	07-31-2024	AS1.4
7	02-14-2026	AS1.7
8	02-20-2026	AS1.9

SHEET INFO

PROJECT: 2820018
DRAWN BY: NR
CHECKED BY: JB

SHEET TITLE ELECTRICAL PANEL SCHEDULES

SHEET NUMBER

E510



ACI Project No. 2820018
104.22
CA2192 Expires: 6/30/2024
1101 N. Mercedes Dr., Suite 100
Norman, OK 73069-6578
Ph: (405) 447-2255 Fax: (405) 447-0284

CONNELLY PAVING COMPANY

CONCRETE

ASPHALT

SINCE 1907

February 27, 2025

J.A. Connelly, Jr.
President

VIA EMAIL

J.A. Connelly, III (Andy)
Vice President

Shiloh Enterprises
Attn: Colby Gonzales

J.A. Connelly, Sr.
1928-2003

Following is our paving changes for the OKC Fire Station No. 31 per the ASI#009 dated MA+ Architecture dated 2/26/25.

Morgan P. Connelly
Vice President

A.F. Connelly
1906-1962

Exclusions: Saw cut & demolition, ***rough grading**, SWPPP/erosion control, subgrade compaction, utility work, structural concrete, retaining walls, all walls, footings, stairs/steps & handrails, handrails, guardrails, equipment pads, furnish and install all bollards, landscaping, decomp. granite, backfill, topsoil, sod, rip-rap, landscape curbs, pavers, stamped/colored concrete, fence/gate work, furnish and install reinforcing, irrigation & electrical sleeves, light pole bases, permits, & material testing.

J.F. Connelly
1903-1959

Our price for paving includes: ASI #009

1. Add 4" P.C. concrete (3500#) sidewalk on 4" rock base.

ADD

\$2,790.00

Morgan Connelly
1882-1942

PLEASE NOTE IF THIS ASI IS APPROVED, WE WILL NEED AN UPDATED CAD FILE RELLECTING THESE CHANGES BEFORE WE BEGIN THE PROJECT.

We are covered by public liability, property damage, and compensation insurance.

Thank you for the opportunity of submitting this bid.

A.D. Connelly
1876-1958

Sincerely,

Morgan P. Connelly
(o) 405-943-8388
morgan@connellypaving.com

PROPOSED CHANGE ORDER

Allstate Electrical Contractors, Inc.

1524 S May
Oklahoma City, OK 73108

CCN#**5****Date:**

3/11/2025

Project Name:

OKC Fire Station 31

Project Number:

OKC Fire Station 31

Page Number:

1

Client Address:

Shiloh Enterprises, Inc.

Contact: Steve Preston
5720 N. Industrial Boulevard
Edmond, OK 73034

Work Description

cat 6We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

This CCN 5 is for us to make the following changes per :

-Add conduits and power for new drone.

Add 3 rough in only for 3 new camera locations.(Cabling and terminations by others)

Install Cat6 cable from IT room to drone location(No terminations)

Itemized Breakdown

Description	Qty	Net Price	U	Total Mat.	Labor	U	Total Hrs.
3/4" CONDUIT - EMT	30	53.38	C	16.01	4.00	C	1.20
3/4" CONN SS STL - EMT	6	87.12	C	5.23	12.50	C	0.75
1 x 12" NIPPLE - RMC - GALV	3	900.00	C	27.00	28.50	C	0.85
1" TYPE LB STD CONDUIT BODY W/ CVR & GSKT - R	2	27.59	E	55.18	0.85	E	1.70
1" LOCKNUT - STEEL	8	68.13	C	5.45	3.88	C	0.31
3/4" BUSHING - PLASTIC	3	25.06	C	0.75	2.50	C	0.07
1" BUSHING - PLASTIC	4	39.70	C	1.59	3.25	C	0.13
1" SPRING STL CONDUIT CLAMP W/ BOLT	2	50.11	C	1.00	8.25	C	0.17
1" FLEX - LIQUIDTIGHT METALLIC - GRAY	10	210.00	C	21.00	7.38	C	0.74
1" CONN STRAIGHT - LIQUIDTIGHT DIECAST	2	720.32	C	14.41	21.25	C	0.42
1" CONN 90 DEG - LIQUIDTIGHT DIECAST	2	1,782.90	C	35.66	21.25	C	0.42
1" CONDUIT - PVC40	120	75.00	C	90.00	5.50	C	6.60
1" ELBOW 90 DEG - PVC40	8	143.94	C	11.52	27.50	C	2.20
1" COUPLING - PVC	16	39.05	C	6.25	0.00	C	0.00
1" ADAPTER MALE - PVC	4	60.13	C	2.41	15.00	C	0.60
1" ADAPTER FEM - PVC	3	67.52	C	2.03	15.00	C	0.45
#12 THHN SOLID BLACK	390	165.00	M	64.35	6.75	M	2.63
#10 THHN SOLID BLACK	900	300.00	M	270.00	7.75	M	6.97
#12 THHN SOLID GREEN	66	165.00	M	10.89	6.75	M	0.45
MULTI-MEDIA 4P CAT6 CMR CBL	180	550.00	M	99.00	8.75	M	1.58

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

Allstate Electrical Contractors, Inc.

1524 S May
Oklahoma City, OK 73108

Shiloh Enterprises, Inc.

5720 N. Industrial Boulevard
Edmond, OK 73034

CCN#

5

Date:

3/11/2025

Project Name:

OKC Fire Station 31

Project Number:

OKC Fire Station 31

Page Number:

2

Description	Qty	Net Price	U	Total Mat.	Labor	U	Total Hrs.
4x 1 1/2" SQ BOX 1/2" KO	3	160.24	C	4.81	28.75	C	0.86
4" SQ 1G PLSTR RING 1/2" RISE	3	329.42	C	9.88	3.13	C	0.09
12x 12x 6" BOX SCREW CVR - NEMA 3R	1	75.00	E	75.00	1.25	E	1.25
1/4x 1 FENDER WASHER - PLTD STL	9	4.00	C	0.36	1.25	C	0.11
1/4x 1 1/4 CONCRETE SCREW HEX HEAD - BLUE	9	0.36	E	3.24	9.75	C	0.88
24" SPAN T-BAR HNGR FOR 1 1/2" SQ BOX	3	900.00	C	27.00	18.75	C	0.56
20A 1P BREAKER BOLT-ON	1	32.00	E	32.00	0.19	E	0.19
20A 2P BREAKER BOLT-ON	1	70.00	E	70.00	0.31	E	0.31
30A 250/600V DSN SW NON-FUS - NEMA 3R	1	125.00	E	125.00	1.38	E	1.38
TRENCH (6"x 3' DEEP)	70	3.50	E	245.00	0.02	E	1.40
Totals	1,860			1,332.00			35.29

Summary

General Materials

1,332.00

Material Total

1,332.00

JOURNEYMAN (17.65 Hrs @ \$42.00)

741.30

FOREMAN @ 10% (3.53 Hrs @ \$46.00)

162.38

APPRENTICE (17.65 Hrs @ \$32.00)

564.80

SAFETY @ 3.5% (1.24 Hrs @ \$42.00)

52.08

CLEAN UP @ 4.0% (1.41 Hrs @ \$32.00)

45.12

Labor Burden (@ 45.000 %)

704.56

Subtotal

3,602.24

Overhead (@ 10.000 %)

360.22

Markup (@ 5.000 %)

198.12

Subtotal

4,160.58

Final Adjustment

0.42

Final Amount

\$4,161.00

CONTRACTOR CERTIFICATION

Name: _____
Date: _____
Signature: _____

I hereby certify that this quotation is complete and accurate based on the information provided.

CLIENT ACCEPTANCE

CCN #: 5 _____
Final Amount: \$4,161.00 _____
Name: _____
Date: _____
Signature: _____
Change Order #: _____

I hereby accept this quotation and authorize the contractor to complete the above described work.

ORIGINAL



Change Order Request

1

Project Name <u>Fire Station 31</u>		
TO: Shiloh Enterprises Steve Preston	Subject: PR #9	Issue #: 3.26.2025
We are pleased to provide this pricing proposal based on the scope of work as defined to us and further described below in summary.		
Document Ref: PR #7		
Summary: Complete installation of foundation and stemwall for drone enclosure.		
Notes:		

LABOR, LABOR BURDEN, MATERIALS, SUBCONTRACTS

Direct Labor	\$ 7,392
Direct Equipment	\$ 1,432
Direct Materials	\$ 2,574
Direct Subcontracts	

SUBTOTAL 1	\$ 11,398
-------------------	------------------

Management and Supervision

Estimating, Superintendent and or Project Mangement	
Small Tools, Expendables and Fuel	144
	216

SUBTOTAL 2	\$ 360
-------------------	---------------

EXPENSES ON LABOR, LABOR BURDEN, MATERIALS, SUBCONTRACTS

Data Processing	(0.25% of labor, burden, and materials)	in rates
Safety	(1.0% of labor, burden, and materials)	in rates
Warranty	(1.0% of labor, burden, and materials)	in rates

SUBTOTAL 3	\$ -
-------------------	-------------

SUBCONTRACTOR INSURANCE, OVERHEAD AND FEE

Overhead and Profit	(10% of Subcontracts)	incl
---------------------	-----------------------	------

SUBTOTAL 4	\$ -
-------------------	-------------

SELF PERFORMED WORK INSURANCE, OVERHEAD AND FEE

Overhead and Profit	(10% of Self Performed work)	\$ 1,175.80
---------------------	------------------------------	-------------

SUBTOTAL 5	\$ 1,176
-------------------	-----------------

TOTAL PRICE PROPOSAL	\$ 12,934
-----------------------------	------------------

4G Concrete

Owner Group/Signing Authority

Rodney Glen

Date



6029 NW 23 Suite 500

Oklahoma City, OK 73127

On the web: www.swiftconstruction.build
Email us: support@swiftconstruction.build
Fax: (405) 603-5189

CHANGE ORDER REQUEST

Date: 04-15-2025 Project: OKC Fire Station #31 – Drone Docking Station

From: Swift Construction

COR Number: 2

To: Shiloh Inc. Attn: Colby Gonzales

Re: Drone Docking Station

Description of Change: Build Docking Station Shelter not in original scope.

Reason for Change: Contractor Directive.

Does the proposed change involve a change in contract time? YES

Does the proposed change involve a change in contract sum? YES

Increase in contract amt: \$25,768

COR-2	
Price Add for material, labor, equipment and 10% O&P	
Materials Total (breakdown below)	\$12,676
Blocks: \$2,871, Brick: \$1,856	
Cast Stone: \$5,243, Mortar: \$1206	
Equipment: \$1500	
Labor/Scaffold Setup/Equipment	\$10,750
Overhead & Profit @ 10%	\$2,342
	\$25,768
Project Total	\$25,768
Change Order Total	\$ 25,768



P.O. BOX 892928
Oklahoma City, OK 73189
(405) 616-9203 Phone
(405) 616-9204 Fax
www.superiorfenceok.com

Estimate

Date	Estimate #
3/7/2025	44470

Name / Address
Shiloh Enterprises, Inc. 5720 N. I-35 Industrial Ave. Edmond, OK 73034 341-5500 ph 341-7106 fax steve@shiloh-inc.com

Ship To
FIRE STATION 31 OKC Colby Gonzales 405-341-5500 colby@shiloh-inc.com

Rep
CH

Description	Total
1 - 6' tall x 4' wide Three Rail Majestic Montage II Swing Gate with 3" x 9' posts 1 - set of adjustable hinges 1 - strong arm latch (4% INCREASE AS OF 3/24/25, PLEASE SEE INCREASE NOTIFICATION LETTER ATTACHED)	3,751.60
Material \$2,340.00 Core Drilling 250.00 Labor 420.00 Workers Comp 60.00 Overhead and Profit 570.00 4% Increase 93.60 Overhead and Profit 18.00 TOTAL \$ 3,751.60	

Proposed By:  Date: 4-16-25	Total \$3,751.60
---	----------------------------

This proposal may be withdrawn by Superior Fence Construction Inc. if not accepted within 7 days. The above prices, specifications and conditions are satisfactory and accepted. Superior Fence Construction Inc. is hereby authorized to perform the work as specifies: LOCATING LINES DOES NOT INCLUDE sprinkler lines, french drains, or utility drops to the home, therefore Superior Fence Construction Inc. WILL NOT BE RESPONSIBLE FOR ALL SAID LINES _____. All balances due upon completion. NOTICE TO OWNER: you are hereby notified that any person performing labor on your property or furnishing materials for the construction, repair, or improvements of your property will be entitled to put a lien against your property, if they are not paid in full. This lien can be enforced by the sale of your property. Above prices are based on normal digging conditions. ALL CREDIT CARD PAYMENTS WILL HAVE A 3% FEE THAT WILL BE ADDED TO YOUR BILL.
Accepted: _____ Date: _____



To: Ameristar Customers

March 24, 2025

Price Increase Information

Ameristar will implement a price increase on all of the below product lines **effective beginning 8:00 a.m. CDT March 24, 2025.**

Product Line Increase:

- Aluminum products
 - Echelon Plus 9%
 - Echelon II 9%
 - Transport gates 4%
 - Estate gates 4%
 - High Security products
 - Impasse 4%
 - Stalwart 4%
 - Matrix products 4%
 - Wireworks 4%
 - Exodus gates 4%
 - Barrier products 4%
 - TransPort Traverse gates 4%
 - Atlas Barrier Systems 4%
 - Engineered security products 4%
 - Commercial & Industrial ornamental
 - Montage Plus 4%
 - Montage Commercial 4%
 - Montage Industrial 4%
 - Montage II 4%
 - Aegis Plus, Aegis II & Aegis Xtreme 4%
 - Passport Roll Gates 4%
- Ameristar will honor pricing on all existing orders received and accepted prior to **March 24, 2025 at 8:00 a.m. CDT.**
 - All outstanding quotes will expire on **March 24, 2025 at 8:00 a.m. CDT.**

Thank you for your continued business during 2025.

Clay Hamann
Vice President, Sales and Marketing
Ameristar Perimeter Security USA

AMERISTAR PERIMETER SECURITY USA, INC.

www.ameristarfence.com | 1555 N. Mingo Rd. | Tulsa, OK 74116 | Ph: 918.835.0898 | Fx: 918.835.0899



General Construction
Management

MA+ Architecture
4000 N. Classen Blvd,
Oklahoma City, OK 73118

January 31st, 2025

Ref: Oklahoma City Fire Station #31
Lost Weather Days for January 2025

Justin,

We are requesting a time extension of 5 additional days for the month of January 2025. A total of 13 days were lost due to weather conditions. This is 5 days over the specified average of 8 weather days. The lost days are as follows; 1/6, 1/7, 1/8, 1/9, 1/10, 1/11, 1/13 (half day), 1/15 (half day), 1/18, 1/20, 1/21, 1/22 (half day), 1/23 (half day), 1/24 (half day), 1/27 (half day) 1/28 (half day). 1/29. These lost weather days were due to rain, snow, freezing temps and/or muddy conditions which would not allow us to perform work associated with the critical path.

Sincerely,

A handwritten signature in blue ink, appearing to read "Steve Preston", with a long horizontal flourish extending to the right.

Steve Preston

MESONET CLIMATOLOGICAL DATA SUMMARY (OKCE) Oklahoma City East Latitude: 35-28-20										January 2025 Nearest City: 3.0 E Oklahoma City Longitude: 97-27-50				Time Zone: Midnight-Midnight CST County: Oklahoma Elevation: 1165 feet							
DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN	PRESSURE (in)		WIND SPEED (mph)			SOLAR	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG	(in)	STN	MSL	DIR	AVG	MAX	(MJ/m2)	SOD	BARE	MAX	MIN	
1	46	26	34.9	24.3	29	0	86	40	67	0.00	29.08	30.33	N	3.5	13.2	11.77	45.2	42.0	48	37	
2	57	29	42.0	31.3	22	0	84	46	67	0.00	28.98	30.23	S	4.1	18.1	10.24	44.6	42.5	50	37	
3	49	29	38.5	30.4	26	0	92	51	74	0.00	29.11	30.36	E	4.9	13.2	11.73	44.3	42.6	49	38	
4	55	41	48.7	40.5	17	0	82	65	73	0.00	28.77	30.01	SE	8.1	26.8	2.67	46.2	46.2	49	43	
5	56	16	28.6	23.2	29	0	97	67	80	0.01	28.75	29.99	NNW	15.2	41.2	3.54	45.4	42.3	49	35	
6	29	12	19.2	5.8	45	0	74	41	56	0.00	29.16	30.41	NNW	9.0	24.6	12.66	38.9	33.4	35	32	
7	33	13	21.3	7.0	42	0	72	35	55	0.00	29.28	30.53	N	7.6	19.9	11.95	36.9	32.4	34	31	
8	39	17	27.0	15.2	37	0	82	41	62	0.00	29.23	30.48	NNW	3.6	11.9	12.21	36.8	33.6	38	32	
9	32	27	29.5	24.3	36	0	97	58	82	0.00	28.89	30.14	S	4.1	18.9	2.52	37.1	34.1	35	34	
10	33	26	29.7	25.3	36	0	96	70	84	0.22	28.84	30.08	NNW	7.3	20.9	10.15	38.0	34.7	35	35	
11	45	22	33.4	22.9	31	0	90	45	67	0.18	28.59	29.83	S	5.9	18.3	13.01	38.0	34.7	35	34	
12	49	27	36.3	26.6	27	0	89	50	69	0.01	28.78	30.02	N	6.5	20.0	12.75	38.1	37.2	44	34	
13	46	19	32.1	18.4	33	0	92	34	60	0.00	29.09	30.34	SW	3.3	14.8	13.02	37.6	36.7	42	34	
14	54	31	41.9	23.5	22	0	77	27	50	0.00	29.09	30.34	SSW	5.7	21.1	12.04	39.0	38.8	46	35	
15	53	26	37.2	25.1	26	0	94	31	66	0.00	29.16	30.41	NNW	3.6	11.5	13.01	39.5	39.3	46	35	
16	60	30	45.8	22.8	20	0	73	21	42	0.00	28.98	30.23	SW	5.0	15.2	13.12	40.3	40.5	47	36	
17	60	39	48.4	31.6	15	0	65	42	52	0.00	28.47	29.70	S	9.8	30.0	8.29	42.0	41.9	46	39	
18	40	20	28.7	15.7	35	0	74	42	58	0.00	28.87	30.11	N	14.7	31.7	9.72	40.8	38.5	42	36	
19	27	13	19.1	3.1	45	0	64	34	50	0.00	29.22	30.48	N	8.5	28.9	13.78	36.7	34.1	36	33	
20	28	13	20.5	6.6	44	0	86	43	56	0.00	29.30	30.56	ESE	5.9	18.9	8.23	35.3	33.2	34	33	
21	29	1	16.8	3.1	50	0	89	24	59	0.00	29.33	30.59	S	5.2	22.2	13.91	35.0	33.0	34	32	
22	45	22	30.2	13.7	31	0	77	32	51	0.00	28.97	30.22	S	7.6	27.9	13.97	35.1	33.5	36	32	
23	41	19	31.0	18.1	35	0	88	40	60	0.00	29.18	30.44	NW	5.9	17.7	12.40	35.7	34.7	38	33	
24	54	19	37.7	14.4	29	0	89	16	46	0.00	28.97	30.21	SSW	7.2	30.2	14.33	36.0	35.5	40	33	
25	51	35	42.7	19.3	22	0	65	29	39	0.00	28.88	30.13	S	7.7	24.7	10.23	38.5	38.9	44	36	
26	39	26	33.2	17.1	32	0	69	40	52	0.00	29.08	30.34	NNE	7.7	17.9	7.02	38.5	37.8	41	36	
27	49	18	33.6	15.2	32	0	85	24	51	0.00	29.01	30.26	NNW	3.4	11.9	14.30	37.6	37.2	43	33	
28	60	28	45.1	22.6	21	0	58	26	42	0.00	28.83	30.07	SW	4.5	14.7	11.59	39.0	39.5	45	35	
29	50	43	47.3	42.3	19	0	99	52	85	0.25	28.75	29.99	ENE	3.3	11.8	2.02	42.4	43.7	46	42	
30	55	34	48.1	45.8	21	0	100	62	92	0.02	28.56	29.79	SSW	3.6	16.6	5.84	45.4	47.0	51	43	
31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	45*	24*	34.3*	21.2*	<- Monthly Averages ->						28.97*	30.22*	S	*	6.4*	41.2*	10.40*	39.5*	38.0*	42*	35*
Temperature - Highest: 60*							Degree Days - Total HDD: 909*					Number of Days With: Tmax ≥ 90: 0* Rainfall ≥ 0.01 inch: 6* Tmax ≤ 32: 5* Rainfall ≥ 0.10 inch: 3* Tmin ≤ 32: 25* Avg Wind Speed ≥ 10 mph: 2* Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 4*									
Lowest: 1*							Total CDD: 0*														
Rainfall: Monthly Total: 0.69* in.							Humidity - Highest: 100*														
Greatest 24 Hr: 0.25* in.							Lowest: 16*														



General Construction
Management

MA+ Architecture
4000 N. Classen Blvd,
Oklahoma City, OK 73118

February 28th, 2025

Ref: Oklahoma City Fire Station #31
Lost Weather Days for February 2025

Justin,

We are requesting a time extension of 6 additional days for the month of January 2025. A total of 13 days were lost due to weather conditions. This is 6 days over the specified average of 7 weather days. The lost days are as follows; 2/1 (half day), 2/4 (half day), 2/5 (half day), 2/6 (half day), 2/7 (half day), 2/8 (half day), 2/10 (half day), 2/11 (half day), 2/12, 2/13, 2/14 (half day), 2/15 (half day), 2/17, 2/18, 2/19, 2/20, 2/21, 2/22. These lost weather days were due to rain, snow, freezing temps and/or muddy conditions which would not allow us to perform work associated with the critical path.

Sincerely,

A handwritten signature in blue ink, appearing to read "Steve Preston", with a stylized flourish extending to the right.

Steve Preston

Daily Data

Red is full days
Blue is half days

DAY	AIR TEMPERATURE (°F)				DEG DAYS		HUMIDITY (%)			RAIN (IN.)	PRESSURE (IN.)		WIND SPEED (MPH)			SOLAR (MJ/M²)	4" SOIL TEMPERATURES (°F)			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG		STN	MSLP	DIR	AVG	MAX		SOD	BARE	MAX	MIN
1	68	28	50.3	30.9	17	0	91	23	53	0.00	28.86	30.02	S	11.4	29.4	13.76	42.7	42.8	47	39
2	72	39	55.6	31.3	9	0	69	20	42	0.00	28.73	29.88	S	7.1	26.8	13.61	44.6	46.5	51	43
3	84	42	62.3	34.8	2	0	72	17	39	0.00	28.72	29.87	SSW	10.3	25.7	14.97	46.4	49.3	55	46
4	42	32	35.0	32.2	28	0	97	72	90	0.01	29.05	30.21	N	9.3	23.0	3.06	45.4	45.6	50	43
5	50	33	40.4	39.2	24	0	98	88	96	0.03	28.82	29.97	SSW	4.4	16.3	3.20	44.4	43.5	46	42
6	49	34	41.5	40.1	24	0	98	86	95	0.03	28.85	30.01	NNE	6.9	21.6	2.93	45.4	45.1	46	42
7	45	33	39.2	36.9	26	0	98	82	92	0.02	28.83	29.99	WSW	4.2	15.5	3.58	44.4	42.8	44	41
8	51	33	44.1	36.9	23	0	98	48	78	0.01	28.84	29.99	N	10.0	30.9	8.15	45.4	44.9	47	43
9	47	26	35.1	21.8	28	0	79	35	60	0.00	29.14	30.30	NNE	9.9	21.4	15.52	43.8	42.3	46	39
10	39	26	32.9	25.9	33	0	96	60	76	0.01	29.08	30.25	NE	5.8	14.3	3.30	42.4	40.5	42	39
11	37	30	34.0	28.5	31	0	96	63	81	0.02	28.87	30.02	NNE	8.6	20.9	5.43	42.6	40.7	42	40
12	30	14	22.9	17.4	43	0	94	61	79	0.00	28.81	29.97	N	11.2	25.7	6.43	40.8	38.0	40	36
13	32	9	19.2	8.4	44	0	83	41	64	0.00	29.26	30.43	NNW	6.4	20.1	16.70	38.4	34.4	36	33
14	52	19	37.3	26.2	29	0	84	42	66	0.14	28.95	30.11	S	12.4	32.9	9.20	38.5	36.3	39	34
15	50	25	39.1	34.3	27	0	94	71	83	0.00	28.72	29.87	NNW	14.9	32.5	3.57	41.2	40.6	42	39
16	34	18	25.6	13.7	39	0	77	43	61	0.03	29.15	30.31	NNW	9.3	30.6	16.75	39.5	38.3	41	37
17	49	21	33.8	18.2	30	0	76	33	55	0.00	28.99	30.15	SE	8.8	29.4	13.62	39.0	38.0	42	35
18	26	4	13.5	8.5	50	0	91	62	80	0.00	29.14	30.30	NNE	12.6	29.1	1.99	37.8	36.1	39	34
19	14	1	6.8	0.0	58	0	78	66	73	0.00	29.46	30.63	N	9.7	20.0	10.16	35.4	33.3	34	33
20	20	3	10.3	-1.2	54	0	75	42	60	0.00	29.46	30.63	NNE	6.8	17.8	17.93	34.6	32.0	33	32
21	27	6	17.2	4.8	48	0	74	49	58	0.00	29.38	30.56	ENE	4.1	11.3	9.55	34.2	31.4	32	31
22	54	16	34.5	17.1	30	0	77	28	52	0.05	29.14	30.31	S	6.3	17.9	17.91	34.9	32.1	34	31
23	68	29	48.0	27.2	17	0	68	21	47	0.00	28.92	30.08	SSW	7.6	16.4	18.06	37.6	38.2	45	34
24	77	39	57.6	34.5	7	0	90	16	49	0.00	28.79	29.94	SSW	8.3	20.7	18.11	41.4	43.9	50	39
25	80	39	60.3	35.7	6	0	72	20	43	0.00	28.75	29.90	S	6.3	18.2	16.19	44.0	47.3	53	42
26	66	45	57.1	37.4	9	0	90	26	51	0.00	28.78	29.94	N	10.9	31.7	13.56	45.9	48.9	51	46
27	68	34	51.8	27.5	14	0	79	20	43	0.00	29.07	30.23	NW	6.6	17.7	19.01	45.9	48.4	53	44
28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AVG	49*	25*	37.2*	24.7*	--	--	--	--	--	--	28.98*	30.14*	NNE	8.5*	--	10.97*	41.3*	40.8*	--	--