

DOMINGA "MINGA" VELA, President CARMEN GONZÁLEZ, Vice President OSCAR SALINAS, Secretary LUIS ALAMIA, Member MIGUEL "MIKE" FARIAS, Member LETICIA "LETTY" GARCIA, Member XAVIER SALINAS, Member

Dr. Mario H. Salinas, Superintendent

ADDENDUM 2 CSP 22-94

Vela High School Heating & Air Condition (HVAC) Improvements Funded through the Elementary & Secondary Emergency Relief (ESSER) Funds

June 13, 2022

I. INSTRUCTIONS:

- A. The following changes, omissions or alterations to the specification and drawings shall be made insofar as the specifications and drawings are inconsistent with following, this addendum shall govern.
- B. Acknowledge receipt of this addendum by inserting its number and date of issue in the place provided for same in the proposal. This addendum forms a part of the Contract Documents.
- C. It is imperative that this addendum be inserted INTO set of specifications.

II. SEE ADDENDUM BELOW:

PLEASE SEE ATTACHED

Respectfully Submitted,

amaro Tycina

Amaro Tijerina Director of Purchasing

(Signature of authorized officer)

Date

Company Name



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June 13, 2022

Edinburg CISD – Robert Vela HS HVAC Upgrades



ADDENDUM NO. 2

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans for the project referenced above. This addendum shall become part of the contract and all contractors shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same. The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

B. SCOPE

1) Clarifications:

- a) DOAS (OARTU-1 thru OARTU-3) connection to existing ductwork: New DOAS shall be installed and secured to existing raised structural frame above roof. Contractor shall provide all necessary work, ductwork, transitions, etc. to connect new DOAS Supply and Return Air Opening to existing ductwork located in the plenum space and as follows:
 - i) Remove the existing roof curb that serves a "shroud" coming down from the DOAS supply and return air openings.
 - ii) Enlarge the existing roof opening to accommodate a new curb and a new insulated sheet metal "shroud". Refer to structural details.
 - iii) Provide a new insulated sheet metal "shroud" and new curb to connect the DOAS supply and return air openings down to the roof deck.
 - iv) Provide ductwork to connect the supply and return openings from the unit down the roof deck. Return air drop will stop at the roof deck and Supply drop will continue down into the interstitial space to connect to existing supply.
 - v) Provide a weather-tight installation and coordinate with Roofing Contractor.
 - vi) Refer to picture below showing the existing conditions of typical DOAS installation for reference.



2) Specifications:

- a) Add the following Structural Sheet to Table of Contents:
 - i) S1.0 Structural General Notes
 - ii) S2.0 RTU Framing Plans

3) Drawings:

- a) Sheet S1.0:
 - i) See attached full size 42"x30" structural sheet showing the structural general notes.
- b) Sheet S2.0:
 - i) See attached full size 42"x30" structural sheet showing the existing structural framing plan supporting the new DOAS.

GENERAL

- 1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR THE EARTH BANKS, FORMS, SCAFFOLDING, PLANNING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES, GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- 3. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT SHALL BE COORDINATED BY CONTRACTOR. IF THE FINAL LOCATION VARIES FROM THAT SHOWN ON THE PLANS, CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL BEFORE INSTALLATION.
- 4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL
- 5. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS.
- 6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT. ANY CONFLICT BETWEEN THE DRAWING AND SPECIFICATIONS OF THE VARIOUS TRADES INVOLVED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.
- 7. DETAILS SHOWN ON DRAWINGS APPLY AT SIMILAR CONDITIONS.
- 8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL STANDARDS AND TO ALL APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE.
- 9. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING WHEN WORK COMMENCES.
- 10. CONTRACTOR SUBSTITUTIONS: ANY MATERIALS OR PRODUCTS THAT ARE SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS WILL ONLY BE CONSIDERED IF THE FOLLOWING CRITERIA ARE SATISFIED. A) A COST SAVING TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE
 - B) THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST.

STRUCTURAL OBSERVATION

- 1. THE PROFESSIONAL ENGINEER OR HIS/HER AUTHORIZED REPRESENTATIVE SHALL CONDUCT ALL STRUCTURAL OBSERVATIONS. STRUCTURAL OBSERVATIONS SHALL BE FOR THE PURPOSE OF ASCERTAINING GENERAL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. HOWEVER, SUCH OBSERVATION VISITS SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATIONS AND RESPONSIBILITIES TO THE CONSTRUCTION DOCUMENTS.
- 2. ITEMS THAT REQUIRE A STRUCTURAL OBSERVATION ARE AS FOLLOWS: A. STRUCTURAL STEEL FRAMING
- 3. NOTIFY ENGINEER 24 HOURS IN ADVANCE WHEN A STRUCTURAL OBSERVATION IS REQUIRED.
- 4. WORK SHALL NOT CONTINUE AT THESE AREAS UNTIL OBSERVATION AND APPROVAL BY ENGINEER. FAILURE BY THE CONTRACTOR TO PROVIDE PROPER NOTICE FOR AN OBSERVATION VISIT AT THE REQUIRED TIME OR ADDITIONAL WORK PERFORMED WITHOUT AN OBSERVATION VISIT WILL BE DONE AT CONTRACTOR'S RISK AND MAY BE SUBJECT TO COMPLETE OR PARTIAL REMOVAL TO VERIFY COMPLIANCE OF PREVIOUS WORK.

SHOP DRAWINGS & SUBMITTALS

- 1. SUBMITTAL THAT WILL BE REQUIRED FOR APPROVAL INCLUDE: A. STRUCTURAL STEEL
- 2. ALLOW (2) WEEKS MINIMUM FOR REVIEW OF SHOP DRAWINGS.
- 3. PRIOR TO ISSUING THE SUBMITTALS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS, CONTRACTOR MUST VERIFY ALL DIMENSION WITH ARCHITECTURAL
- 4. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIAL INDICATED ON THE SHOP DRAWINGS.

DESIGN CRITERIA

2. CODE: .

1.	DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATION OF STRUCTURAL MEMBERS ARE
	BASED ON THE FOLLOWING CRITERIA:

IBC 2012

140 MPH

3. VERTICAL LOADS	
A. ROOF DEAD LOAD (BUILT-UP ROOF):	25 PSF
B. ROOF LIVE LOAD(REDUCIBLE):	20 PSF

D. MECHANICAL LOAD: THE GENERAL CONTRACTOR SHALL SUBMIT ACTUAL WEIGHTS AND LOCATIONS OF EQUIPMENT TO BE USED IN THE PROJECT TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOADS USED IN THE DESIGN AT LEAST TWO WEEKS PRIOR TO FABRICATION AND CONSTRUCTION OF THE SUPPORTING STRUCTURE.

4. LATERAL LOADS (PER ASCE 7-10) A. WIND SPEED (V-ULT):...

B. WIND SPEED (V-ASD):	108 I
C. EXPOSURE CATEGORY:	
D. IMPORTANCE FACTOR:	1.0
E. BUILDING CATEGORY:	III

GENERAL NOTES

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE TO AISC SPECIFICATIONS.

2. MATERIALS USED SHALL BE AS FOLLOWS= A. STRUCTURAL W-SHAPES ASTM A992 GRADE 50 B. STRUCTURAL M-SHAPES AND S-SHAPES ASTM A36 C. STRUCTURAL T-SHAPES - CUT FROM W-SHAPES D. CHANNELS AND ANGLES ASTM A36 E. ROUND HOLLOW STRUCTURAL SECTIONS ASTM A500 GRADE B F. SQUARE AND RECTANGULAR HOLLOW

ASTM A500 GRADE B STRUCTURAL SECTIONS G. STRUCTURAL PLATES ASTM A36 ASTM A36 H. STRUCTURAL BARS HIGH STRENGTH BOLTS ASTM A325 J. ELECTRODES SERIES E70

EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS. 4. CONNECTIONS NOT DETAILED AND/OR SCHEDULED ON STRUCTURAL DRAWINGS SHALL BE

3. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH THE LATEST

DETAILED BY FABRICATOR AND MARKED FOR ENGINEERS APPROVAL. CONNECTIONS TO BE DESIGNED TO AISC SPECIFICATIONS AND SHALL BE CAPABLE OF SUPPORTING 55% OF THE MAXIMUM UNIFORM LOAD CAPACITY FOR THE SPAN SPECIFIED, SHOWN IN THE TABLES OF UNIFORM CONSTANTS OF THE AISC MANUAL OF STEEL CONSTRUCTION.

. REFER TO ARCHITECTURAL PLANS FOR ANY MISCELLANEOUS STEEL NOT SHOWN ON STRUCTURE DRAWING. MISCELLANEOUS STEEL AND CONNECTIONS SHALL BE DESIGNED BY STEEL FABRICATOR.

6. HOT DIP GALVANIZE, IN ACCORDANCE WITH ASTM A123 AND ASTM A153, STRUCTURAL STEEL AND FASTENERS PERMANENTLY EXPOSED TO THE WEATHER. REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS.

7. STEEL SUPPORTING OR CONNECTED TO HVAC AND OTHER EQUIPMENT AS SHOWN ON THE DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY CONTRACTOR SHALL COORDINATE EXACT LOCATION AND SIZE BEFORE COMMENCING WORK.

8. STRUCTURAL STEEL SHALL BE PAINTED WITH ONE COAT OF RUST INHIBITIVE PAINT.

9. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED IN WHOLE OR IN PART FOR SHOP DRAWING SUBMITTALS.

10. ALL WELDED CONNECTION SHALL BE MADE WITH A 1/4" FILLET WELD U.N.O.

12. PROVIDE 1/2" GAP AT ALL PENETRATIONS THROUGH CMU WALL AND INFILL WITH

ELASTOMERIC MATERIAL.

13. STEEL FABRICATOR SHALL BE CERTIFIED BY ONE OF THE FOLLOWING: AISC/ IBC/ IAS-ICC

CONTRACTOR NOTE

THE STRUCTURAL SYSTEM FOR THIS PROJECT SHALL NOT BE CONSTRUCTED BY USING THE STRUCTURAL DRAWINGS ALONE. THESE DRAWINGS WERE DEVELOPED FROM DATA DERIVED PRIMARILY FROM THE ARCHITECTURAL DRAWINGS AND SECONDARILY FROM MEP, CIVIL AND OTHER DISCIPLINES' DOCUMENTS. IT IS INTENDED THAT CONSTRUCTION PROCEED BY UTILIZING ALL OF THE INFORMATION CONTAINED IN THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TAKEN AS A WHOLE; FAILURE TO DO SO WILL RESULT IN ERRORS WHICH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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STRUCTURAL TESTS AND SPECIAL INSPECTION

- 1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THIS SECTION.
- 2. THE FOLLOWING TERMS AND PHRASES SHALL HAVE THE MEANINGS SHOWN BELOW AS IT PERTAINS TO
- A. APPROVED AGENCY- AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING AND FURNISHING SPECIAL INSPECTION SERVICES.
- B. APPROVED FABRICATOR AN ESTABLISHED AND QUALIFIED FIRM APPROVED BY BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN WORK IS PERFORMED
- ON THE PREMISES OF AN APPROVED FABRICATOR. C. SPECIAL INSPECTION, CONTINUOUS- THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
- D. SPECIAL INSPECTION, PERIODIC THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
- 3. SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- 4. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION.

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IBC REFERENCE

1704.3.3

1708.4

1704.3.1

1704.3.2

STANDARD^a

APPLICABLE ASTM MATERIAL

SECTION A3.3

AISC 360, SECTION M2.5

ASTM A 6 OR ASTM A 568

ASTM A 6 OR ASTM A568

AISC 360, SECTION A3.5

AWS D1.1

AWS D1.3

AWS D1.4

ACI 318: 3.5.2

SPECIFICATIONS; AISC 360,

TABLE 1704.3

X

VERIFICATION AND INSPECTION

a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM

b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE

STANDARDS SPECIFIED IN THE APPROVED

CONSTRUCTION DOCUMENTS.

2. INSPECTION OF HIGH-STRENGTH BOLTING:

. MATERIAL VERIFICATION OF STRUCTURAL STEEL:

a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM

b. MANUFACTURERS' CERTIFIED MILL TEST REPORTS.

a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION

. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:

STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION

b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.

1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS

1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL

FORCES IN INTERMEDIATE AND SPECIAL MOMENT

REINFORCED CONCRETE SHEAR WALLS AND SHEAR

FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL

. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE

c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

a. BEARING-TYPE CONNECTIONS

b. SLIP-CRITICAL CONNECTIONS.

REQUIRED.

DOCUMENTS.

DOCUMENTS.

. INSPECTION OF WELDING:

a. STRUCTURAL STEEL

b. REINFORCING STEEL:

2) MULTIPASS FILLET WELDS.

3) SINGLE-PASS FILLET WELDS > 5/16"

4) SINGLE-PASS FILLET WELDS ≤ 5/16"

5) FLOOR AND ROOF DECK WELDS

OTHER THAN ASTM A 706.

REINFORCEMENT.

b. MEMBER LOCATIONS.

3) SHEAR REINFORCEMENT.

4) OTHER REINFORCING STEEL

WITH APPROVED CONSTRUCTION DOCUMENTS: a. DETAILS SUCH AS BRACING AND STIFFENING.

. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND

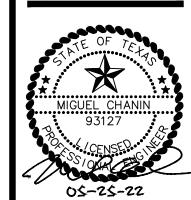
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

CONTINUOUS PERIODIC

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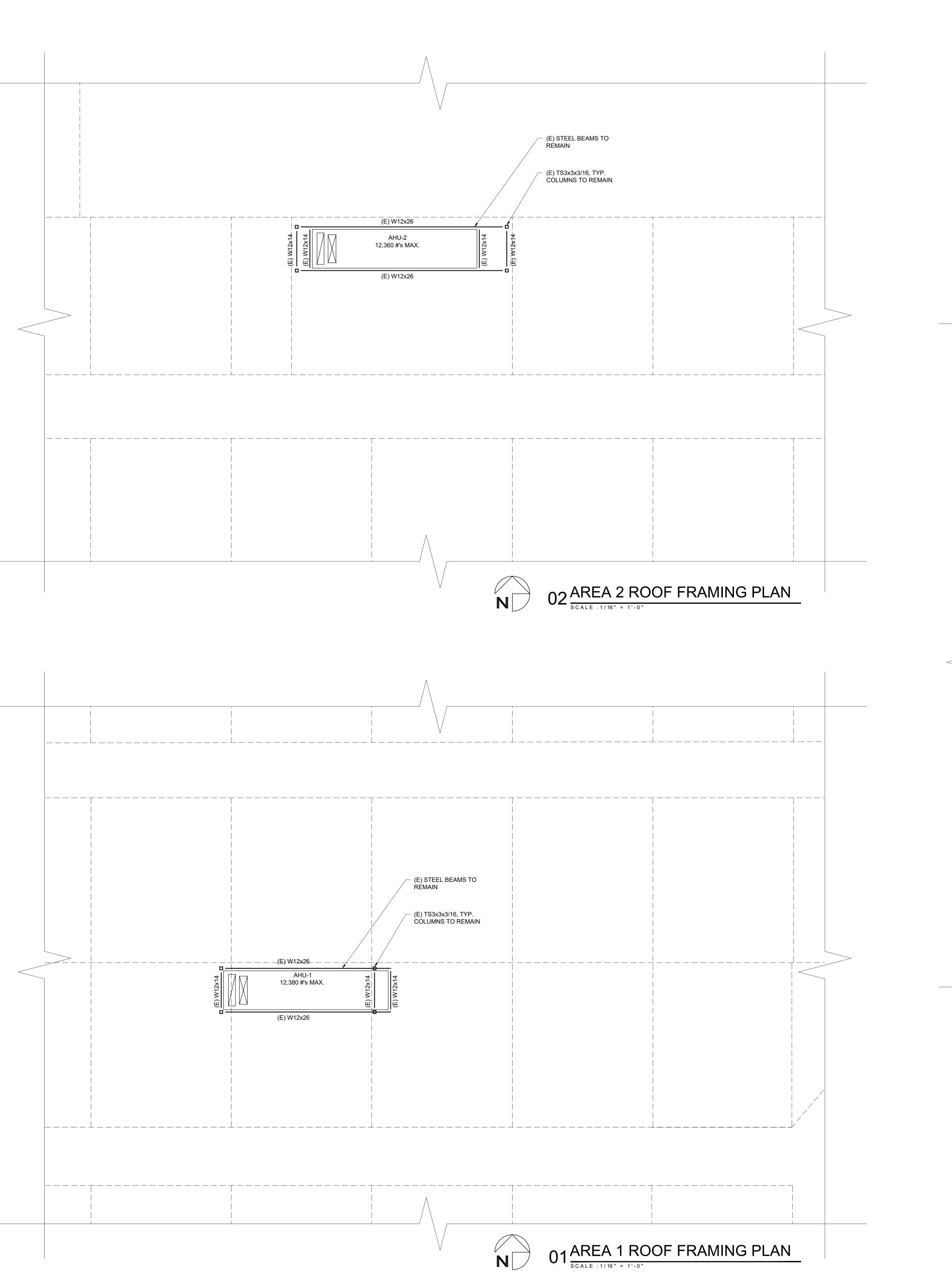


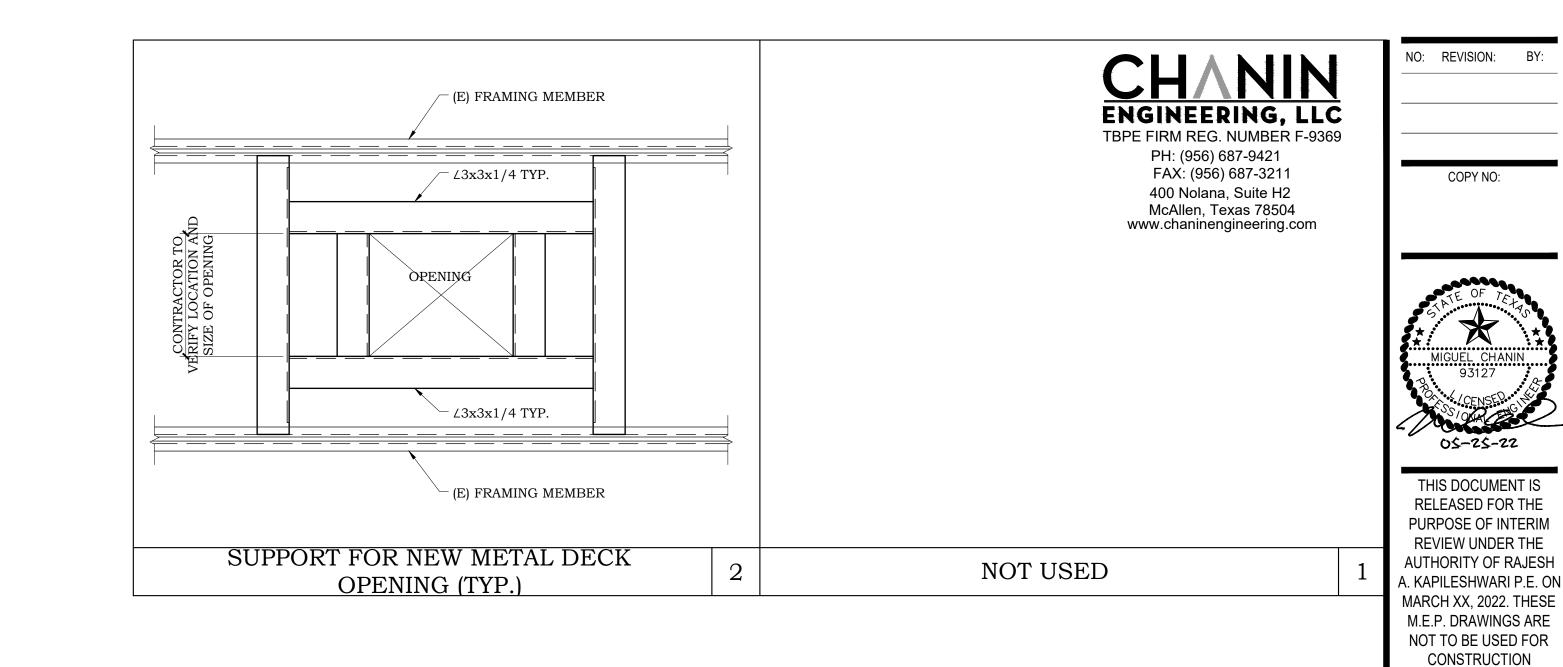
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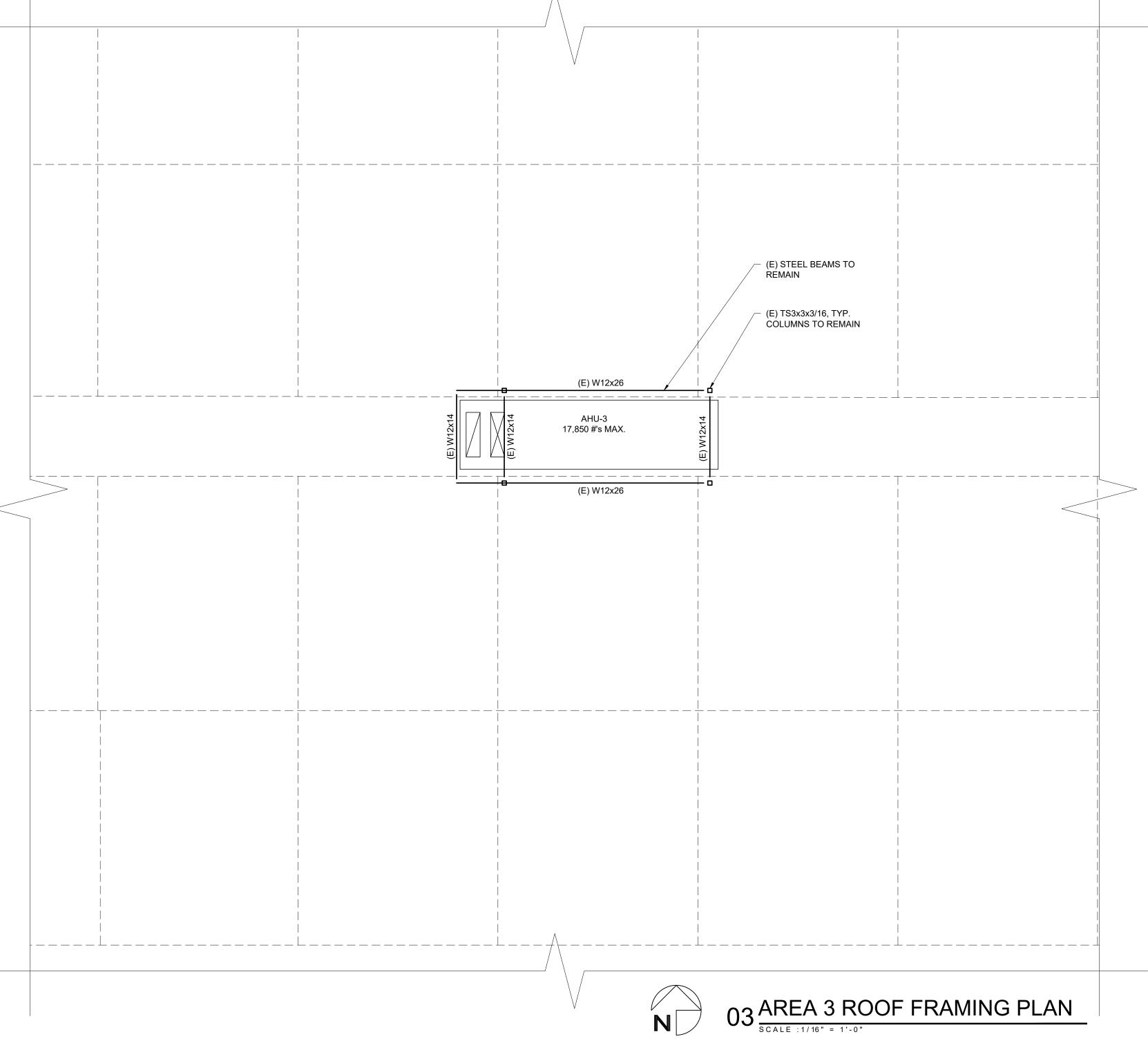
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EXISTING FRAMING NOTES:

FRAMING NOTES:

ADDITIONAL DIMENSIONS.

PRIOR TO CONSTRUCTION.

COST SHALL BE COVERED BY OWNER.

CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS

THIS IS A RENOVATION PROJECT WHERE AS-BUILT DRAWINGS

EXISTING FRAMING MEMBERS SHOWN ON PLANS ARE ADEQUATE TO SUPPORT PROPOSED UNITS. CONTRACTOR SHALL CONTACT E.O.R. ONCE STRUCTURE HAS BEEN

EXPOSED TO VERIFY STRUCTURAL ASSUMPTIONS.

1. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH MECHANICAL PLANS BEFORE COMMENCING WORK.

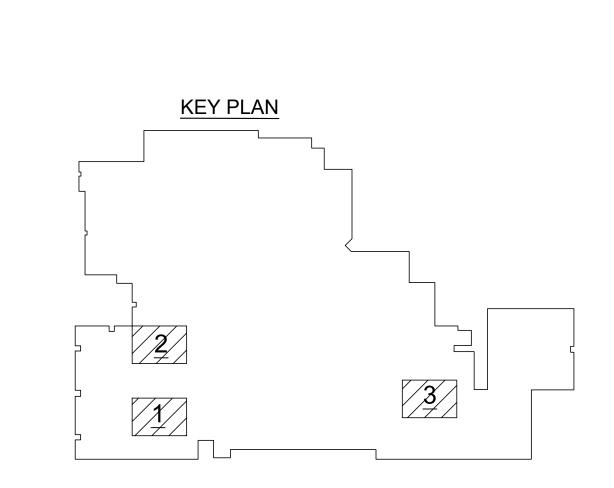
2. REFER TO MECHANICAL DRAWINGS FOR ANY

3. CONTRACTOR TO COORDINATE ALL MECHANICAL,

ELECTRICAL AND PLUMBING COMPONENTS SUPPORTED BY THE STRUCTURE WITH THE E.O.R.

THIS INCLUDES COORDINATING EXACT UNIT WEIGHT, LOCATION, AND ALL NECESSARY MECHANICAL ACCESSORIES/ATTACHMENTS.

WERE NOT PROVIDED. CERTAIN UNFORESEEN AND UNKNOWN CONDITIONS MAY INCREASE THE COST OF PROJECT. THIS



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PURPOSES.

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