

**June 25, 2024**

Mr. Derrick McKee

Re: **Masonry Damage**  
1102 Main St  
Commerce TX 75248

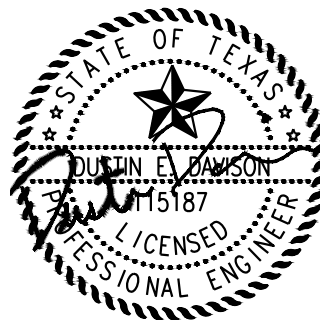
Dear Mr. Derrick McKee:

Per your request, Childress Engineering Services (CES) was asked to report on the damage and give our opinion of the structural masonry damage of the above reference project. We were provided photos of cracks in the masonry wall taken by you. CES reviewed the photos and evaluated the components of the masonry wall. It is our opinion that the masonry should be repaired per the attached drawings dated 5/23/2024. It is also our opinion that once the masonry wall is repaired the components of the masonry wall will meet the requirements of the current building code, but the wall foundation and the connection of the wall to the roof should be evaluated.

We hope this information will be of assistance. If you have any questions, please do not hesitate to contact us. We appreciate the opportunity to be of service to you and your client.

Respectfully,

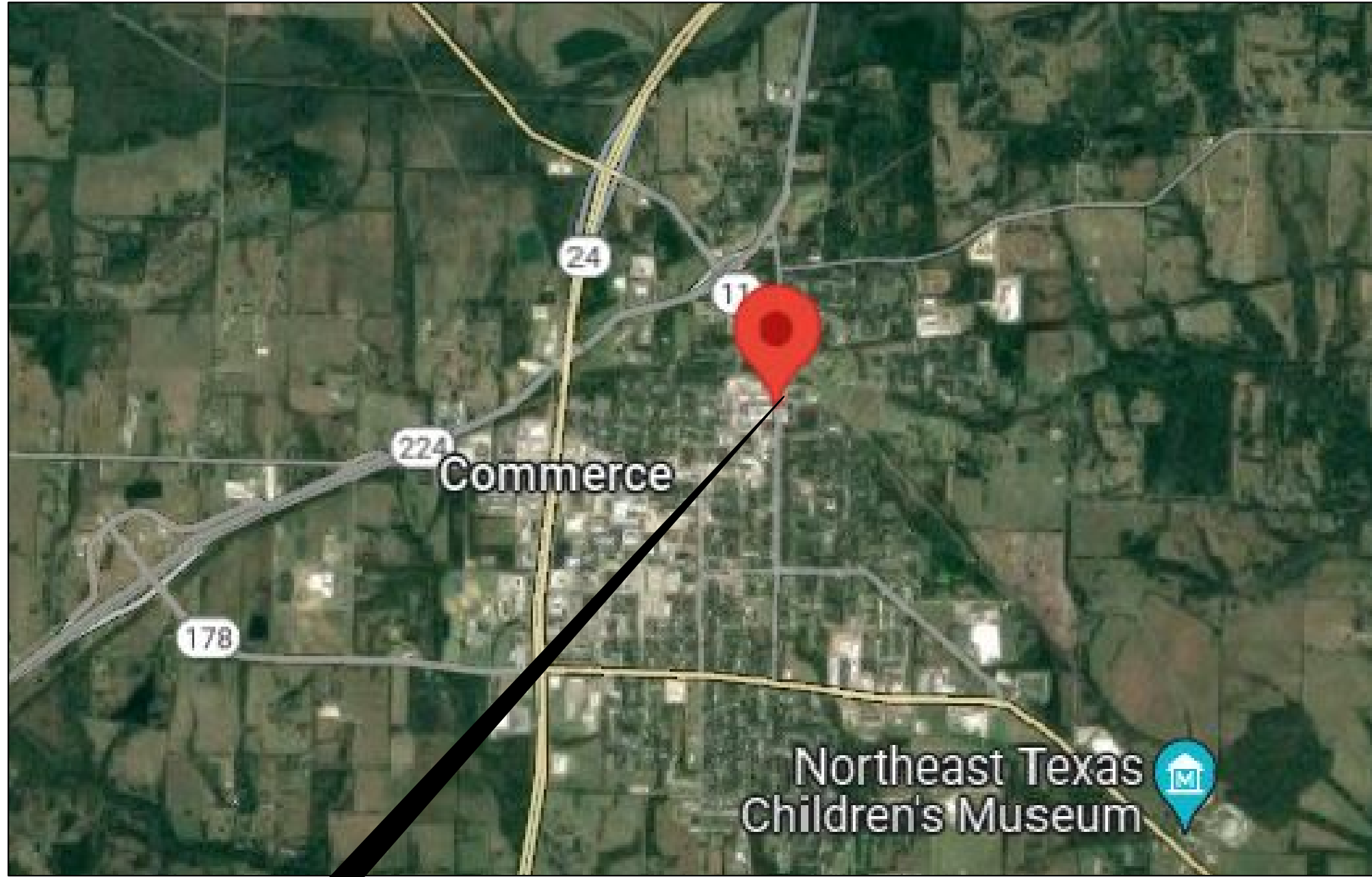
Dustin Davison, P.E. S.E.  
Childress Engineering Services  
Firm # F-7422



6/25/2024







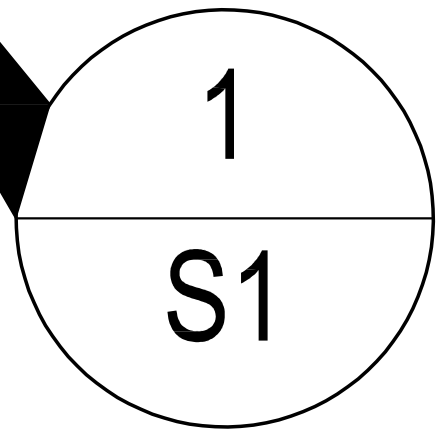
PROJECT SITE

VICINITY MAP



PROJECT SITE

SITE MAP



GENERAL NOTES

I. DESIGN CRITERIA NOTES

1. THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE PROVISIONS OF THE 2018 EXISTING INTERNATIONAL BUILDING CODE.

IX. CONCRETE MASONRY NOTES

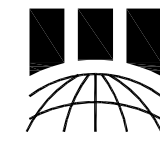
1. HOLLOW CONCRETE MASONRY UNITS SHALL MEET ASTM C90, LIGHTWEIGHT, TYPE I, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,700 PSI ON THE NET AREA FOR INDIVIDUAL UNITS AND 1,900 PSI ON THE NET AREA FOR THE AVERAGE OF THREE (3) UNITS.
2. CMU MORTAR SHALL MEET ASTM C270, TYPE "S", AND HAVE A COMPRESSIVE CUBE STRENGTH OF 1,800 PSI AT 28 DAYS.
3. CMU GROUT, POURED OR PUMPED, SHALL MEET ASTM C476, AND HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
4. REINFORCED MASONRY WALLS SHALL HAVE A MINIMUM  $f_m \geq 1,500$  PSI.
5. STEEL REINFORCEMENT BARS: BILLET STEEL COMPLY WITH ASTM A 615, GRADE 60.

XI. MISCELLANEOUS NOTES

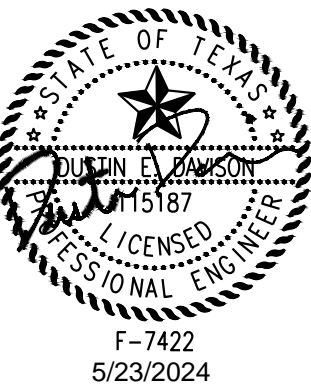
1. THE DETAILS ARE "TYPICAL DETAILS" AND APPLY GENERALLY TO THE DRAWINGS IN AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS, UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. DO NOT SCALE THE DRAWINGS.
3. EXISTING CONDITIONS: EACH BIDDER SHALL VISIT THE JOB SITE AS REQUIRED TO DETERMINE AND/OR VERIFY EXISTING CONDITIONS. ANY EXCEPTIONS TO THE EXISTING ITEMS MARKED AS "EXISTING" ARE BASED ON THE INFORMATION AVAILABLE AT THE TIME THESE DRAWINGS WERE PREPARED. DURING DEMOLITION AND CONSTRUCTION, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY UPON DISCOVERY OF DEVIATIONS FROM THE PRESENTED EXISTING CONDITIONS.

SHEET INDEX

S1.1 - COVER SHEET AND GENERAL NOTES  
S2.1 - BUILDING ELEVATION DETAILS



**CHILDRESS**  
ENGINEERING SERVICES  
1500 N Greenville Ave, Suite 1000  
Richardson, TX 75081  
www.cesglobal.com  
Office: 214-451-6630  
Fax: 214-451-6631  
Inspections: 214-451-6632



**DERRICK MCKEE**  
**MASONRY REPAIR**

COVER SHEET AND GENERAL NOTES

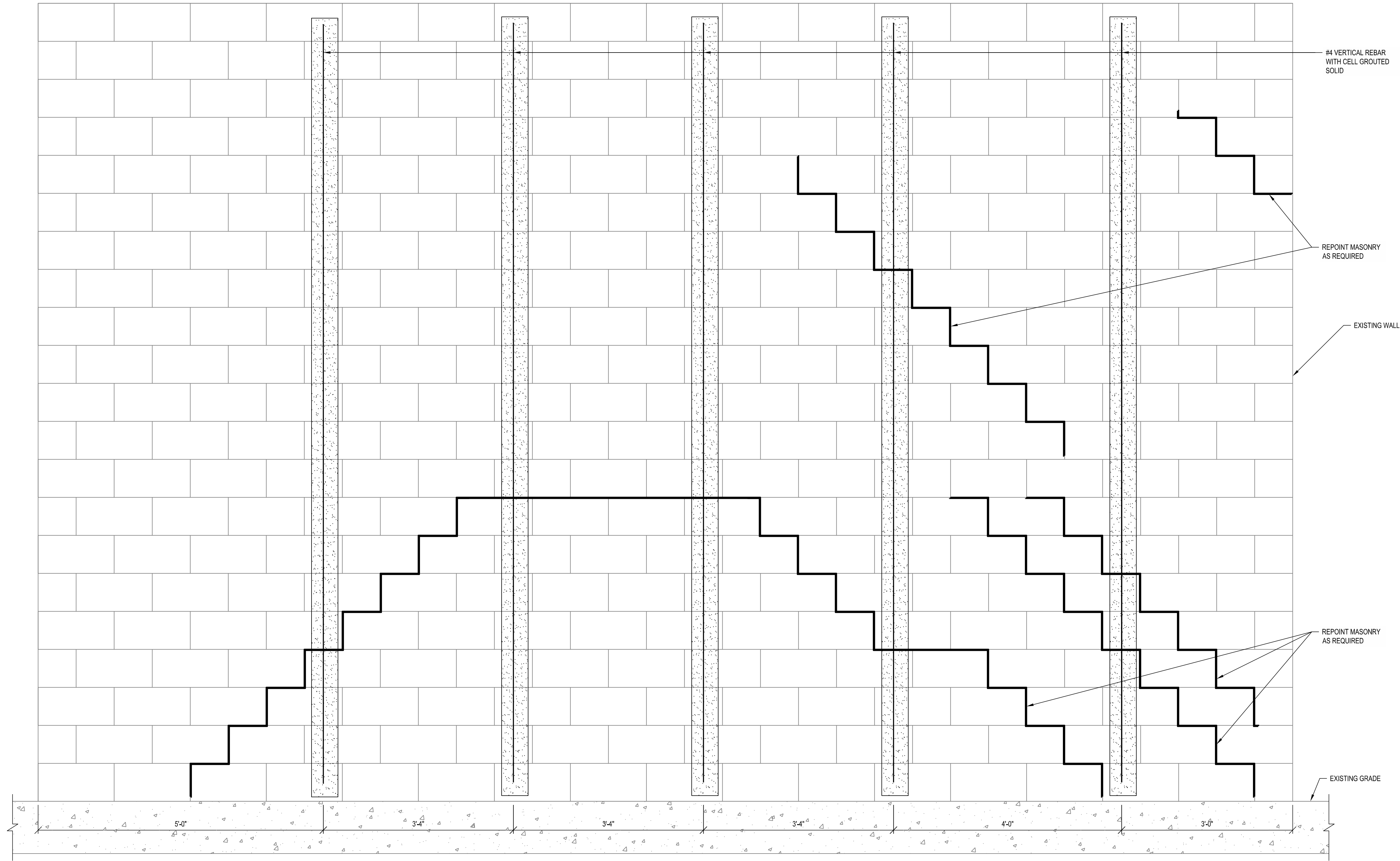
PROJECT ADDRESS: 1102 MAIN STREET, COMMERCE TX 75428

REVISIONS	DATE

PROJECT MANAGER:	DED
DRAWN BY:	DED
CHECKED BY:	DED
DATE:	5/23/2024
SCALE:	AS NOTED

SHEET NUMBER:  
**S0**





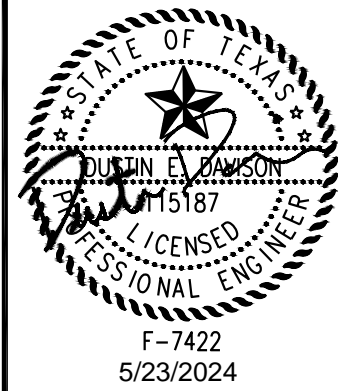
**1 FRAMING ELEVATION**  
SCALE: 1"=1'-0"



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**DERRICK MCKEE**  
**MASONRY REPAIR**  
BUILDING ELEVATION/DETAILS

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**S1**