

April 3, 2024

The Honorable Commissioner Ellie Torres

Attn: Leticia Saenz

Hidalgo County Precinct #4

1051 N. Doolittle Rd.

Edinburg, Texas 78542

RE: On-Call Geo/CMT Contract (C-22-0728-01-01)

Work Authorization No. 1 – Hidalgo County Elections Building

PO# 860200

Dear Commissioner Torres:

Attached for your review and approval is our invoice for services rendered under Work Authorization #1 during the month of March 2024 on the subject referenced project.

The following is attached:

- Invoice No. 40233

The following is a narrative of the progress for this period.

TASK	% Complete
Construction Materials Testing (CMT)	80%
<u>UPDATE:</u> B2Z reviewed the observations of Structural Weld Inspections. <i>Reports: HCEB-6I & HCEB-7I</i>	

Should you have any questions regarding this submittal, please do not hesitate to call me at (956) 585-3773.

Sincerely,



David Rivera

Project Manager

B2Z Engineering, LLC



P.O. Box 2724
 McAllen, Tx. 78502
 (956) 585-3773

Invoice

Date	Invoice #
4/3/2024	40233

Please send remittance with copy of invoice to:

Attn: Mrs. Aisha Gonzalez
 P.O. Box 2724
 McAllen, Tx. 78502

Bill To:
 Hidalgo County Precinct #4
 1051 Doolittle Rd
 Edinburg, TX 78542

Project Info:
 Contract # C-22-0728-01-01
 Work Authorization #1
 Hidalgo County Elections Building

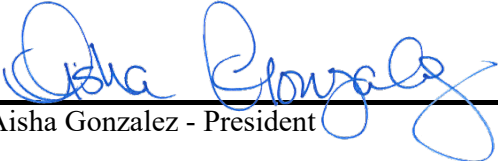
B2Z JOB: 6218
 PO # 860200

Billing Period **March 2024**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Construction Materials Testing (CMT)	\$ 22,096.78	\$ 11,048.39	\$ 6,629.03	\$ 17,677.42	80%
Total For This Billing Period				\$6,629.03	

Work Authorization ~ Summary

<u>WA No.</u>	<u>WA Amount</u>	<u>Previously Inv.</u>	<u>Percent Complete</u>	<u>Remaining Balance</u>
1	\$22,096.78	\$11,048.39	80.0%	\$4,419.36


 Aisha Gonzalez - President

Client:

Hidalgo County Precinct No. 4
1051 N. Doolittle Rd.
Edinburg, TX 78542

Project:

6218
Hidalgo County Elections Building
Various
Edinburg, TX

Project Contractor: Alamo 1

On 03/07/2024, a representative of B2Z Engineering was dispatched to the subject project to perform a welding inspection. Please see attached report.

Contractor Present:	Alamo 1
Inspector/Technician Time:	4.0
Trip Charge:	Amount \$50.00
Inspector/Technician:	Subconsultant



Respectfully Submitted by B2Z Engineering

Oliver Salgado, P.E.
Oliver Salgado, P.E., Senior Project Manager

STRUCTURAL/WELDING INSPECTION REPORT

Consulting Engineer: B2Z Engineering, LLC
Address: 900 S. Stewart Rd. Suite 4
City: Mission, TX 78572

Project Name: Hidalgo County Elections Building

Date Inspected: 03/07/2024

Prime Contractor: Alamo 1

Project Ref. No. 6218

Contractor: A&I Custom Manufacturing

Location: Edinburg, Texas

Documents Reviewed: (Previously)

Electrode to Specification: Yes No N/A
Welders Qualified: Yes No N/A
Reviewed Drawings: Yes No N/A

CWI Present: Continuous Periodic

Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: Yes No N/A
Reviewed WPS: Yes No N/A

Weld Types Observed:

Fillet Welds 1/8" 3/16" 1/4" 5/16" 3/8" Seam Welds 5/8" Arc Spot Welds Other
Groove Welds CJP PJP Moment Connections
Electrode Type Used: E7018H4R Welding Process: SMAW

Structural Weld/Bolt Location Observed/Inspected and Gridlines:

Perimeter Angle to Joists Angle Braces to Joists Beam to Beam Connections
 Joists to CMU Embeds Horizontal/X-bridging to Joists Beam to Column Connections
 Tilt Panels to Footings Bridging Anchored/Welded at Ends Bolts A325 Snug Tight
 Girder to Girder Seats Mech. Frames Welded to Joists
 Columns to Baseplate Embeds
 Angle Clip to Beams **Notes:** Inspection of welds at Existing Steel Beam Connection to New Steel Column at
 Joist to Girder gridlines C and e5 as per RFI # 09R was performed. Inspection was performed at
 Joist to Tilt Panel Embed 4x4x1/4 angle with stiffener plate welded to New Steel Column Cap Plate and to
 Panel to Panel Connections Existing Beam to Beam Connection Plate at the interior of bldg. end wall location.
 Continuous Angle to Embeds Inspection revealed missing welds at the horizontal and vertical plane at the installed
 Girders to Column Plates angle legs. Welds were performed at the top and bottom toes of the installed angle.
 Joists to Beams Welds were required all around as per weld symbols on RFI Detail provided.
 K-Bracing to Flag Plates Inspection results are unacceptable.
 Outriggers to Joists/ Beams

Deck Weld Pattern Inspected:

Deck Type: _____ Weld Pattern: _____ Fasteners per Span: _____
Deck to Joists Deck to Chord Angle Weld Washers: Yes No N/A
Deck to Outriggers Deck Fastening Deck Fastening Pattern: N/A

Inspection performed to visual inspection acceptance criteria as set forth by AWS D 1.1 / AWS D1.3 Structural Welding Code.

Comments: This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations, unless specified or RFI approved.

Applicable Code, Standards: AWS D1.1 , AWS D1.3 , AISC ASME Section IX , Specs , RFI

Inspected By: **Raul L. Robles, CWI, CWE** AWS Certified Welding Inspector / AWS Certified Welding Educator
Credential Verification: [www.AWS-CWI-Quick-Check](http://www.AWS-CWI-Quick-Check.com)  Acceptable Unacceptable

Client:

Hidalgo County Precinct No. 4
1051 N. Doolittle Rd.
Edinburg, TX 78542

Project:

6218
Hidalgo County Elections Building
Various
Edinburg, TX

Project Contractor: Alamo 1

On 03/13/2024, a representative of B2Z Engineering was dispatched to the subject project to perform a welding re-inspection. Please see attached report.

Contractor Present:	Alamo 1
Inspector/Technician Time:	4.0
Trip Charge:	Amount \$50.00
Inspector/Technician:	Subconsultant



Respectfully Submitted by B2Z Engineering

Oliver Salgado P.E.
Oliver Salgado, P.E., Senior Project Manager

Robles Consulting, LLC an AWS Affiliate Company Member
P.O. Box 1231
Rio Hondo, TX 78583
(956) 748-0176 Fax, (956) 245-6774 Cell
roblesconsulting@yahoo.com

Job: B2Z - 002
County: Hidalgo
File: 01.223602

STRUCTURAL/WELDING INSPECTION REPORT

Consulting Engineer: B2Z Engineering, LLC
Address: 900 S. Stewart Rd. Suite 4
City: Mission, TX 78572

Project Name: Hidalgo County Elections Building

Date Inspected: 03/13/2024

Prime Contractor: Alamo 1

Project Ref. No. 6218

Contractor: A&I Custom Manufacturing

Location: Edinburg, Texas

Documents Reviewed: (Previously)

Electrode to Specification: Yes No N/A
Welders Qualified: Yes No N/A
Reviewed Drawings: Yes No N/A

CWI Present: Continuous Periodic

Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: Yes No N/A
Reviewed WPS: Yes No N/A

Weld Types Observed:

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 Joists to CMU Embeds Horizontal/X-bridging to Joists Beam to Column Connections
 Tilt Panels to Footings Bridging Anchored/Welded at Ends Bolts A325 Snug Tight
 Girder to Girder Seats Mech. Frames Welded to Joists

Columns to Baseplate Embeds

Angle Clip to Beams **Notes:** Re-inspection of welds at Existing Steel Beam Connection to New Steel Column at gridlines C and e5 as per RFI # 09R was performed. Re-inspection was performed at 4x4x1/4 angle with stiffener plate welded to New Steel Column Cap Plate and to Existing Beam to Beam Connection Plate at the interior of bldg. end wall location.
 Joist to Girder
 Joist to Tilt Panel Embed
 Panel to Panel Connections
 Continuous Angle to Embeds
 Girders to Column Plates
 Joists to Beams
 K-Bracing to Flag Plates
 Outriggers to Joists/ Beams

Deck Weld Pattern Inspected:

Deck Type: _____

Weld Pattern: _____

Fasteners per Span: _____

Deck to Joists

Deck to Chord Angle

Weld Washers: Yes No N/A

Deck to Outriggers

Deck Fastening

Deck Fastening Pattern: N/A


Inspection performed to visual inspection acceptance criteria as set forth by AWS D 1.1 / AWS D1.3 Structural Welding Code.

Comments: This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations, unless specified or RFI approved.

Applicable Code, Standards: AWS D1.1 (X), AWS D1.3 (), AISC (X) ASME Section IX (), Specs (), RFI (X)

Inspected By: Raul L. Robles, CWI, CWE AWS Certified Welding Inspector / AWS Certified Welding Educator

Credential Verification: www.AWS-CWI-Quick-Check.com


CWI 02070431
OCT EXP: 7/17/2026

Acceptable Unacceptable

Authorized By: Connie G. Pena

B2Z Engineering, LLC