

November 7, 2023

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 September – October 2023 on the subject referenced project.

The following is attached:

- Invoice No. 40220

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

TASK	% Complete
Construction Materials Testing (CMT)	35%
UPDATE: B2Z reviewed the observations of Structural Weld Inspection.	

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 #
11/7/2023	40220

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

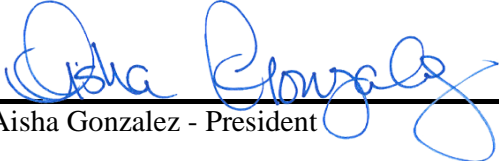
B2Z JOB: 6218
 PO # 860200

Billing Period **September - October 2023**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Construction Materials Testing (CMT)	\$ 22,096.78	\$ 5,524.20	\$ 2,209.67	\$ 7,733.87	35%
Total For This Billing Period					\$2,209.67

Work Authorization ~ Summary

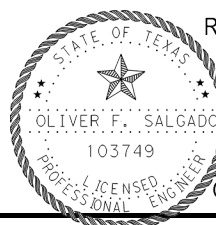
<u>WA No.</u>	<u>WA Amount</u>	<u>Previously Inv.</u>	<u>Percent Complete</u>	<u>Remaining Balance</u>
1	\$22,096.78	\$5,524.20	35.0%	\$14,362.91


 Aisha Gonzalez - President

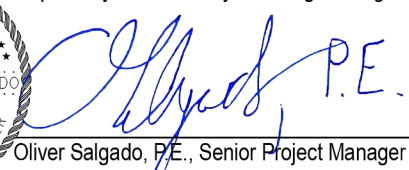
Client:Hidalgo County Precinct No. 4
1051 N. Doolittle Rd.
Edinburg, TX 78542**Project:**6218
Hidalgo County Elections Building
Various
Edinburg, TX**Project Contractor:** Alamo 1

On 09/11/2023, a representative of B2Z Engineering was dispatched to the subject project to perform a structural inspection on a Deck Fastening Pattern. Please see attached inspection report.

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



Respectfully Submitted by B2Z Engineering


 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: 01.223302

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: 09/11/2023

Prime Contractor: Alamo 1

Project Ref. No. 6218

Contractor: A&I Custom Manufacturing

Location: Edinburg, Texas

Documents Reviewed: (Previously)

CWI Present: Continuous () Periodic (X)

Electrode to Specification: (X) Yes () No () N/A

Weld Procedures Followed: (X) Yes () No () N/A

Welders Qualified: (X) Yes () No () N/A

Verified Joint Fit-up: (X) Yes () No () N/A

Reviewed Drawings: (X) Yes () No () N/A

Reviewed WPS: (X) 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: ___

Welding Process:

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

() Girder to Girder Seats () Mech. Frames Welded to Joists

() Columns to Baseplate Embeds () Bolts A325 Snug Tight

() Angle Clip to Beams **Notes:** Inspection of roof deck fastening at gridlines e1 to e5 @ eA-eF was performed.

() Joist to Girder Observation of 36/7 pattern at intermediates and end laps as per Specs was performed

() Joist to Tilt Panel Embed Observation of 6" o/c at perimeter was performed. Inspection of side lap fastening

() Panel to Panel Connections was performed. Inspection was not to Specs of 4 places equally spaced between

() Continuous Angle to Embeds supports. Inspection revealed 1 each No. 10 Tek screw between supports. Items

() Girders to Column Plates observed shall be inspected during re-inspection. Inspection results are unacceptable.

() Joists to Beams

() K-Bracing to Flag Plates

() Outriggers to Joists/ Beams

Deck Weld Pattern Inspected:

Deck Type: **22 ga. 1.5B G90**

Weld Pattern: _____

Fasteners per Span: **1 each No. 10 S/L Screw**

Deck to Joists/Purlins (X)

Deck to Chord Angle (X)

Weld Washers: Yes () No () N/A (X)

Deck to Outriggers ()

Deck Fastening (X)

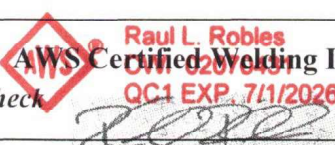
Deck Fastening Pattern: **36/7 w/No. 12 Tek Support Screws**

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 (X) ASME Section IX (), Specs (X), RFI ()

Inspected By: **Raul L. Robles, CWI, CWE**



Credential Verification: [www.AWS-CWI-Quick-Check](http://www.AWS-CWI-Quick-Check.com)

Inspector / AWS Certified Welding Educator

Acceptable () Unacceptable (X)

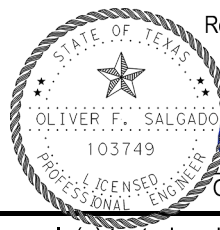
Authorized By: **Connie G. Pena**

B2Z Engineering, LLC

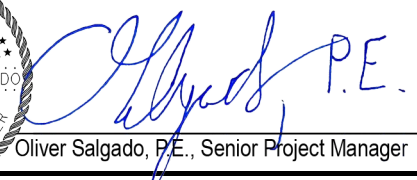
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Contractor Present:	Alamo 1
Inspector/Technician Time:	4.0
Trip Charge:	\$50.00
Inspector/Technician:	Subconsultant



Respectfully Submitted by B2Z Engineering


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: **09/13/2023**

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

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 Tilt Panels to Footings Bridging Anchored/Welded at Ends
 Girder to Girder Seats Mech. Frames Welded to Joists
 Columns to Baseplate Embeds Bolts A325 Snug Tight

Notes: Re-inspection of roof deck fastening at gridlines e1 to e5 @ eA-eF was performed. Inspection of 36/7 pattern at intermediates and end laps as per Specs was performed. Inspection of 6" o/c at perimeter was performed. Re-inspection of side lap fastening was performed. Re-inspection revealed fasteners at 4 places equally spaced between supports as per Specs. Inspection of A325 bolts for snug tight at roof purlin lap connections and at rafter plate connections was performed and acceptable. Fasteners were inspected for under driven, over driven and correctly drive as well as patterns specified. Inspection and re-inspection results are acceptable on items noted.

Deck Weld Pattern Inspected:

Deck Type: **22 ga. 1.5B G90**

Weld Pattern:

Fasteners per Span: **4 each No. 10 S/L Screw**

Deck to Joists/Purlins

Deck to Chord Angle

Weld Washers: Yes No N/A

Deck to Outriggers

Deck Fastening

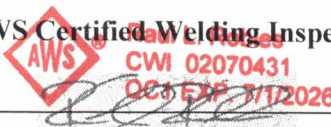
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Applicable Code, Standards: AWS D1.1 , AWS D1.3 , AISC ASME Section IX , Specs , RFI

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

Authorized By: **Connie G. Pena**

B2Z Engineering, LLC