

WORK CHANGE DIRECTIVE NO. 1

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<b>PROJECT:</b>	<b><u>Horizon City Municipal Facilities Phase I</u></b>	<b>DATE OF ISSUANCE:</b> February 27, 2025
<b>OWNER:</b>	TOWN OF HORIZON CITY 14999 Darrington Rd. El Paso, Texas 79928	<b>EFFECTIVE DATE:</b> March 11, 2025
<b>CONTRACTOR:</b>	<b><u>Dantex General Contractors</u></b> <b><u>4727 Osborne</u></b> El Paso, Texas 79922	<b>OWNER'S BID NO.</b> CSP 23-038 Project No. 22.513D
		<b>ARCHITECT:</b> <b><u>Eugenio Mesta</u></b> (AOR) <b><u>Rafael Renovato</u></b> (CM & RPR)
<b>CONTRACT FOR:</b>	<b><u>New Municipal Facility for the City of Horizon</u></b>	<b>ARCHITECTS PROJECT NO.</b> 20201600

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CONTRACTOR is directed to proceed promptly with the following change(s):

Item No. 1: **Additional Concrete at Metal Building Area B** – (\$22,691.25; 0 days impact to contract time)

**Description and Justification:**

Item No. 1. **The Contractor is providing additional concrete work as requested and detailed in submittal review for the metal building design in area B. The work will be done under the unit prices and time frame attached.**

**Attachments:**

A-Contractor Cost Proposal

[CONTINUED ON NEXT PAGE...]

If a claim is made that the above change(s) have affected Contract Price or Contract Time, any claim for a Change Order based thereon will involve one of the following methods of determining the effect of the change(s).

**Estimated change in Contract Price and Contract Times (non-binding, preliminary)**

Contract Price: \$22,691.25 [increase] [~~decrease~~]  
Percent Change: .25% (cannot exceed 5% of original contract price)  
Contract Time: 0 [~~increase~~] [~~decrease~~]

**Method for determining Change in Contract Price:**

- Time and Materials
- Unit Prices
- Cost of the Work
- Other:

**Method for determining Change in Contract Time:**

- Contractor's records
- Engineer's records
- Other:

**Purpose of Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *[check one or both, if applicable]*

- Non-agreement on pricing of proposed change
- Necessity to proceed for schedule or other Project reasons

PURSUANT TO ARTICLES FOUND IN THE GENERAL CONDITIONS AND SUPPLEMENTAL CONDITIONS OF THE CONTRACT DOCUMENTS, ALL PARTIES AGREE TO THE ISSUANCE OF THIS WORK CHANGE DIRECTIVE.

**RECOMMENDED:**

**AUTHORIZED:**

Jesus Ortega  
Architect Jesus Ortega

Albert Valle  
Owner Project Manager-Albert Valle, CFM

2/27/25  
Date

2/28/25  
Date

**RECEIVED:**

\_\_\_\_\_  
Contractor – Company Name

\_\_\_\_\_  
Date



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February 14, 2025

Exigo Architects  
211 N. Florence, Suite 204  
El Paso, TX 79901  
Attn: Rafael Renovato  
Luis Lares

RE :  
**Horizon Municipal Facilities Phase 1  
Proposed Change Order #05, Additional Concrete Work**

Dear Mr. Renovato and Mr. Lares,

On October 15, 2024, Dantex General Contractors Inc. submitted RFI #15 for the required additional details of missing footings as part of the foundation plan that includes connection to the prefabricated metal building.

On October 23, 2024, Dantex General Contractors Inc. submitted the prefabricated metal building for review and approval (Submittal #42).

As part of the review process for the metal building the Slab on Grade placement details needed to be reviewed, it was noted to exigo that the current contract drawings were missing 1 concrete footing and several details (RFI #15).

The required information in RFI 15 was not received prior schedule concrete placement of area A and area B, therefore only concrete for area A was placed on 11/19/24, with area B to be rescheduled to a later date (when information is available).

During the review of the prefabricated metal building by Exigo and the structural consultant numerous items were noted:

- 1) The metal building frame supports along column line 2 were 24" in width, and the corridor in this area will be encroached.
- 2) There are no structural or architectural notes that indicated that these structural members needed to be 12in or less in width to accommodate the required space in the corridor.
- 3) The design team envision a specific type of building (not noted in the contract drawings) that require intermediate structural support for the frames along column lines D and C with theses the design of a smaller frame is possible (meet the 12" requirement)
- 4) Although the intermediate supports are required in the conceptual prefabricated building (not noted in the contract documents) the structural foundation drawings in the contract documents do not include any details or notes for these required footings

After several meetings with Exigo, Dantex General Contractors agreed to provide revised metal building to comply with the structural farming supports dimensions, eve height and other noted comments, Exigo needed to provide the additional design criteria for the missing footings and details including the missing information in RFI #15.

On January 03, 2025, a new metal building was submitted for review and approval, the submittal was approved by exigo on 1/15/25, approval included all the missing footings, and additional modifications provided as part of the comments made by JTA Engineering on sheet AB 2of 3 (Attached).



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Preparations for the original Slab on Grade (areas A and B) were performed and completed by 11/17/24, including inspections for continuous and spot footings. ONLY area A was placed on 11/19/24.

To implement all the information provided in sheet AB 2 of 3 of the metal building review, the concrete subcontractor needs to perform the following tasks:

- 1) Open the current word concrete form.
- 2) Remove a section of continuous footing rebar (to access inside the building footprint).
- 3) Remove sections of wire mesh, cut the vapor barrier where the new footings are to be set.
- 4) Excavate the new footings (total of 5, 1 missing as noted in RFI #15).
- 5) Place rebar and concrete in new footings.
- 6) Clean all adjacent areas from dirt and concrete placement activities and replace all the vapor barrier, wire mesh.
- 7) Re excavate the area backfilled for access, re-place the vapor barrier and re-install the removed section of rebar from the continuous footing.
- 8) For the additional details, the subcontractor needs to increase the size and amount of rebar in the pedestal section of the footings:
  - a. drill into the existing footings, epoxy anchored new rebar bars as requested.
  - b. resize the rebar rings and qty as requested.
  - c. clean up all adjacent areas and re set any damaged vapor barrier due to these activities.

The attached cost proposal is for the additional required labor, material, and equipment to implement these required modifications to an otherwise area ready to receive concrete placement as per original contract documents.

Should you have any questions, comments or concerns please do not hesitate to call me at your earliest convenience.

Regards,

*Hector Olave*

Hector Olave  
Project Manager  
Dantex General Contractors, Inc.

CC

Tyler Daniels, President  
Project File

# Dantex General Contractors

# PROPOSED CHANGE ORDER REQUEST NO. 05

4727 Osborne  
El Paso, Texas 79922

**Phone:** (915) 584-9300  
**Fax:** (915) 833-0253

**TITLE:** Additional Concrete Work

**DATE:** 1/22/24

**PROJECT:** Horizon Municipal Facilities Phase 1, PO #008625

**DX JOB:** 1322

**TO:** EXIGO  
211 N. Florance, Suite 204  
El Paso, Texas 79901  
Phone: (915) 533-0323

### DESCRIPTION OF PROPOSAL:

Provide for additional concrete work as requested and detailed in submittal review for the metal building design in area B

Item	Description	Unit Measure	Unit Cost	Quantity	Material	Labor	Net Amount
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001	provide revised concrete elements as per directions note in submittal review sheet	lot	1		\$ -	\$ -	\$20,309.00
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subtotal \$20,309.00

004	<b>General Liability</b>	LS	0.2800%	1			\$56.87
005	<b>Builders Risk</b>	LS	0.4500%	1			\$91.39
006	<b>P &amp; P Bond</b>	LS	1.0000%	1			\$203.09

Subtotal \$351.35

Description	Percent	Amount
Overhead & Profit	10%	\$2,030.90
Sales Tax	N/A	
<b>Total Cost</b>		<b>\$22,691.25</b>

*Hector Olave*

**By:** \_\_\_\_\_  
Hector Olave / Dantex General Contractors

**By:** \_\_\_\_\_

**Date:** 1/22/2025

**Date:** \_\_\_\_\_

## CHANGE ORDER #2

January 20, 2025

**Project: HORIZON CITY MUNICIPAL FACILITIES PHASE 1**

Key	Qty	Unit	Description	Total Price/Unit	Total
<b>ALLIANCE STEEL BUILDING SYSTEM PROPOSED PLANS</b>					
1	1	LS	FURNISH AND INSTALL ADDITIONAL SPOT FOOTINGS WITH PEDESTALS AND MODIFICATION OF ORIGINAL PEDESTALS	\$ 20,309.00	\$ 20,309.00
<b>SUM TOTAL CHANGE ORDER #2</b>					<b>\$ 20,309.00</b>
<b>COST BREAKDOWN</b>					
1	1	LS	LABOR	\$ 15,250.00	\$ 15,250.00
2	1	LS	ADDITIONAL CONCRET MIX 4CY with Buggy	\$ 1,200.00	\$ 1,200.00
3	1	LS	ADDITIONAL CONCRETE REBAR & Epoxy	\$ 700.00	\$ 700.00
4	1	LS	MISC. MATERIAL	\$ 510.00	\$ 510.00
5	1	LS	PROFIT 15%	\$ 2,649.00	\$ 2,649.00
<b>SUM TOTAL CHANGE ORDER #2</b>					<b>\$ 20,309.00</b>

**Total Bid Price Includes: Labor, Material and Equipment:** Remove and Replace Existing Vapor Barrier, Reinforcement, and Forms for Installation of Newly Proposed Footings, Furnish and Install New Footings and Modification of Pedestals Per New Plan.

We hope to work with you on this project and please contact us with any questions.

Crystal Rios  
CEO  
El Paso Turnkey Enterprises LLC  
915-740-4937 - Mobile  
[crios@epturnkey.com](mailto:crios@epturnkey.com)

**Labor:**

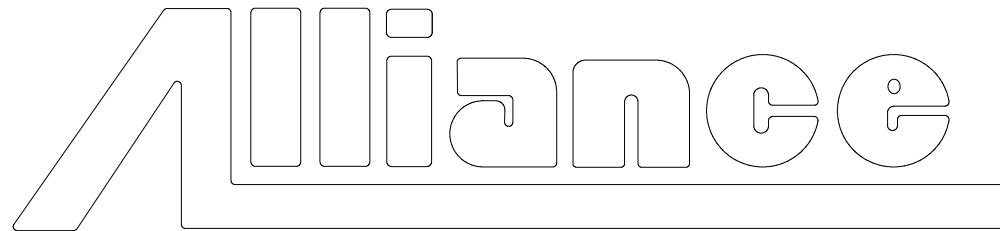
**Work required as per notes on AB 2 of 3 from metal building submittal review**

includes all removal to access excavation, form setting, drilling, epoxy setting, cleanup to be ready for reinspection and concrete placement

# of Employees	Description	Duration	total of hrs	cost/hr/ week	Labor Burden	subtotal
1	backhoe operator	2	16	\$27.00	20%	\$518.40
5	carpenter/concrete setter	5	200	\$22.50	20%	\$5,400.00
8	labors	5	320	\$18.00	20%	\$6,912.00
2	rodbuster	2	32	\$24.00	20%	\$921.60
1	foreman	5	1	\$1,250.00	20%	\$1,500.00

subtotal \$15,252.00

**Total Labor Added Cost \$15,250.00**



# STEEL BUILDING SYSTEMS

3333 S. COUNCIL RD., OKLA. CITY, OK 73179

(800) 624-1579 (405) 745-7500 WWW.ALLIANCEOKC.COM



### DESIGN LOADING

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED BY THE IBC 2015

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

SPECIFIC LOADS: SEE STRUCTURAL CALCULATIONS AND FOUNDATION REACTIONS.

III	BUILDING RISK CATEGORY		
6.5	DEAD LOAD (psf)		
20 psf	ROOF LIVE LOAD		
Yes	LIVE LOAD REDUCTION ALLOWED?		
10	COLLATERAL LOAD (psf)		
5	GROUND SNOW LOAD, Pg (psf)		
1.10	SNOW IMPORTANCE FACTOR, Is		
120	WIND SPEED (mph)	76	SERVICEABILITY WIND SPEED (mph)
c	WIND EXPOSURE CATEGORY	93	NOMINAL WIND SPEED (mph)
±0.18	INTERNAL PRESSURE COEFFICIENT, GCpi (+/-)	10 YEAR	SERVICEABILITY WIND RETURN PERIOD (yr)
Enclosed	WIND CLOSURE CATEGORY		
1.25	SEISMIC IMPORTANCE FACTOR, Ie		
0.304	MAPPED SPECTRAL ACCELERATION FOR SHORT PERIODS, Ss		
0.093	MAPPED SPECTRAL ACCELERATION FOR 1-SECOND PERIOD, S1		
C	SEISMIC DESIGN CATEGORY		
0.1320	SEISMIC RESPONSE COEFFICIENT, Cs		
0.315	FIVE PERCENT DAMPED SPECTRAL ACCELERATION FOR SHORT PERIODS, SDS		
0.149	FIVE PERCENT DAMPED SPECTRAL ACCELERATION FOR 1-SECOND PERIOD, SD1		
D	SITE CLASS		
3	RESPONSE MODIFICATION FACTORS, R-FRAMES		
3	RESP. MOD. FACTORS, R-BRACING (F_SW)		
3	RESP. MOD. FACTORS, R-BRACING (B_SW)		
0.13W	DESIGN BASE SHEAR, W		
15.4	LONG. BASE SHEAR (kips)	12.6	TRANS. BASE SHEAR (kips)
4/6	5yr/25yr RAINFALL INTENSITY (in/hr)		

EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE  
Systems Not Specifically Detailed for Seismic Resistance Structural Systems: Transverse (Rigid Frame)

RELEASE HISTORY	
NO.	DATE
1	12/17/2024
2	10/16/2024
3	09/26/2024
CONST. PERMIT APPRVL REV.	
CONST. PERMIT APPRVL REV.	
E DWSG A BOLT	
NOTES	
MARK	
ENGR	

Dantex Construction Company  
EL PASO, TEXAS 79922  
Horizon City Municipal Facilities  
HORIZON CITY, TEXAS 79928

CUSTOMER PROJECT

**Alliance**  
STEEL BUILDING SYSTEMS  
3333 S. COUNCIL RD., OKLA. CITY, OK 73179  
(800) 624-1579 (405) 745-7500 WWW.ALLIANCEOKC.COM

ENG BY:	JRL
CAD BY:	A.B. GLS
DET BY:	---
CKD BY:	DMN
JOB NUMBER :	324-0254
DWG NUMBER :	CS1 of 1

### BUILDING SPECIFICATIONS

The building system shown on these drawings has been designed and detailed for the loads and conditions stipulated by the letter of certification, and these drawings.

Any alterations to this building system, removal of any of its components or parts, modification of the intended end-use, modifications in cladding or any other deviations from the original conditions for which the building system was designed may be done only with the written approval of a registered architect and/or a registered professional engineer, as applicable. The metal building manufacturer (MBM) will assume no responsibility for any of the changes mentioned above if performed without prior written approval by the MBM.

This building system has been designed per the MBM's standard design and manufacturing practices, the governing building code, and the applicable editions of the building code referenced AISC, AISI, ASCE, and AWS standards. This building system has also been designed in accordance with all applicable provisions of the latest edition of MBMA Metal Building Systems Manual. In applications including structural steel deck and steel joists, the code referenced editions of applicable SDI and SJI standards, respectively, were also applied.

The MBM does not design or check ventilation or energy conservation systems for the building system supplied and is not responsible for the adequacy of specified ventilation and energy conservation components. The End User should insure that adequate provisions are made for ventilation, condensation, and energy conservation requirements.

The MBM is not responsible for the design, materials and workmanship of the foundation, or the anchorage of the building system to the foundation. Anchor bolt plans prepared by the MBM are intended to show only location, diameter, and projection of anchor bolts required to attach the metal building system to the foundation. The END USER is responsible for engaging the services of a licensed Professional Engineer to perform foundation and foundation anchorage design.

The anchor bolt spacing is based on ACI 318, Section D.8 for cast-in anchors that will not be torqued. The Professional Engineer designing the foundation shall determine the adequate anchor bolt material type and grade, anchor bolt embedment, and any anchorage reinforcement to accommodate the given anchor bolt locations, quantity, and diameter.

Unless noted otherwise on the Letter of Certification, the building system by the MBM is exempt from the ASCE 7 stipulated seismic drift limitations. The END USER shall insure that all the interior and exterior attachments and cladding by others are designed to accommodate seismic drift.

The MBM does not investigate the influence of its metal building system on existing buildings or structures. The END USER shall engage services of a licensed Professional Engineer to evaluate whether such buildings and structures are adequate to resist snow drift loads or other conditions as a result of the presence of the Metal Building System. The materials used in fabrication of primary and secondary steel framing members, as well as related accessories are shown below with their corresponding ASTM designations. When the compliance with the building code mandated edition of the AISC Seismic Provisions is required, only materials approved by those provisions are used.

- Built-up Section Flanges (Fy = 55 ksi); A529, A572 or A588;
- Built-up Section Webs & Connection Plates (Fy = 55 ksi); A1011, A572 or A588;
- Hot-rolled W-shapes (Fy = 50 ksi); A992 or A572;
- Hot-rolled C and L-shapes (Fy = 50 ksi); A529 or A572;
- Hot-rolled Rods (Fy = 55 ksi); A108 or A572;
- Cold-formed C, Z, and ES shapes (Fy = 55 ksi); A1011 or A653;
- Panels, A792 or A653, Gr. 50 for Gr. 24 and thicker, Gr. 80 for others;
- HSS Round; A500 Gr. B (Fy = 42 ksi)
- HSS Square/Rectangular; A500 Gr. B (Fy = 46 ksi)
- Cables, A475
- Eyebolts (Gr. 55); A108, or A572
- Washers, A536
- Hillside Washers, A48
- Structural Bolts, A307 Gr. A, A325 Gr. C, A490 Gr. DH (used as noted in next section)

Unless noted otherwise and except for crane support system connections, all bolted joints shall be snug-tightened in accordance with the latest edition of Specification for Structural Joints Using ASTM A325, or A490 Bolts (RCSC). All joints in crane support system application shall be pretensioned as required by RCSC. All primary frame bolted connections use A325 bolts, unless noted otherwise. All end-plate connections in cold-formed steel frames use A325 bolts, unless noted otherwise.

All primary structural members have been painted with the minimum of one coat of iron oxide inhibitive primer. All structural steel members have been painted in accordance with Steel Structures Painting Council Specification, SSPC No. 15.

Shop and field inspections and associated fees and expenses are the responsibility of the contractor, unless noted otherwise.

### BUYER or CONTRACTOR RESPONSIBILITIES

The BUYER or CONTRACTOR must secure all required approvals and permits for this project from the appropriate agencies in full compliance with all applicable local and state laws and regulations. In accordance with the Sec. 4.4.1 of the latest edition of the AISC Code of Standard Practice and the MBMA Common Industry Practices. Approval of these drawings and calculations (if applicable) constitutes an agreement that the MBM has correctly interpreted the requirements of the contract building drawings, specifications, and all other contractual requirements.

In accordance with Sec. 3.3 of the latest edition of the AISC Code of Standard Practice, where discrepancies exist between drawings provided by the MBM and the drawings provided by the other trades, such as architectural, electrical, plumbing, and others, these drawings provided by the MBM shall govern.

The BUYER or CONTRACTOR is responsible for the erection of the entire building system and all associated work pertaining thereto in accordance with the MBM's "For Construction" drawings. Drawings not marked "For Construction" SHALL NOT be used in the erection of the MBM's building system.

In accordance with Sec. 7.10.3 of the latest edition of the AISC Code of Standard Practice, temporary supports such as gusys, braces, falsework, shoring, and other elements necessary to safely erect the building system and prevent structural and other damage to the building system shall be determined and furnished by the erector. The structural building system provided by the MBM is designed for service conditions in accordance with the building code. The BUYER or CONTRACTOR shall erect the system in a manner that insures that the loading conditions on the structure during service are not exceeded in any part of the structure throughout the erection process.

Unless noted otherwise, the MBM shall not be responsible for the design of any elements of this project not part of the structural building system provided by the MBM. The BUYER or CONTRACTOR shall be responsible for taking appropriate steps to insure that such elements are properly structurally designed and constructed.

It is the responsibility of the BUYER or CONTRACTOR to observe and apply all pertinent OSHA and other mandatory safety provisions.

The BUYER or CONTRACTOR is responsible for the inspection of all of the MBM's shipment when received. Any claims of non-received items must be reported to the MBM in writing within 5 business days. In order to maintain the quality guarantee and to qualify for reimbursement, any field modifications of any reported defective item may not be performed without a prior written endorsement by the MBM.

The MBM shall not be held liable for any claim whatsoever, including, but not limited to, labor charges or consequential damages, resulting from the BUYER or CONTRACTOR/Eractor's use of defective or incorrect materials that can be detected by visual inspection.

The MBM is not responsible for material damaged in unloading or for packaged or nested materials, including, but not limited to, fasteners, sheet metal, "C" and "Z" sections, and covering panels that become wet and/or are damaged by water while in the possession of others. Packaged or nested materials that become wet in transit shall be unpacked, unstacked and dried by the BUYER or CONTRACTOR.

With respect to all other building system erection aspects not mentioned above, the BUYER or CONTRACTOR shall comply with the Sec. 6 of the MBMA Common Industry Practices. For any aspects of the erection not covered by the MBMA Common Industry Practices, the provisions of Sec. 7 of the latest edition of the AISC Code of Standard Practice shall apply.

### SPECIAL NOTES

1): This Building has Been Designed to Support (7) HVAC RTUs. The Following RTUs Will Be Supported: ACU-1, ACU-2, ACU-3, ACU-4A, ACU-4B, ACU-4C, and ACU-5.

**JTA ENGINEERING, LLC**  
4411 E KNOX RD  
PHOENIX AZ 85044  
www.jtaengineering.com

REVIEW IS ONLY FOR GENERAL CONFORMANCE TO CONTRACT DOCUMENTS. CORRECTIONS OR COMMENTS MADE ON SHOP DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE PLANS & SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING & COORDINATING DIMENSIONS AT THE JOBSITE AS WELL AS DIMENSIONS THAT ARE NEEDED FOR FABRICATION PROCESSES, CLEARANCE, TECHNIQUES OF CONSTRUCTION & COORDINATION WITH ALL CONSTRUCTION TRADES.

- REVIEWED
- REVIEWED AS NOTED
- REVISE & RESUBMIT
- FOR RECORD

BY: sj DATE: 1-14-25

Panel Schedule			
Roof panel:	Wall panel:	Liner panel:	Soffit panel:
<input type="checkbox"/> 26 ga. Alliance PBR <input type="checkbox"/> 24 ga. AllianceSeam 24 <input type="checkbox"/> TripleLok <input type="checkbox"/> QuadLok	<input type="checkbox"/> 26 ga. Alliance 'R' <input type="checkbox"/> 26 ga. Alliance 'A' <input type="checkbox"/> 26 ga. Alliance 'M' <input type="checkbox"/> 24 ga. Alliance 'AW-16' <input type="checkbox"/> 26 ga. Alliance 'ABT-32' <input type="checkbox"/> 26 ga. Alliance '1P-36' <input type="checkbox"/> 26 ga. Alliance 'LT3.3'	<input type="checkbox"/> 26 ga. Alliance 'R' <input type="checkbox"/> 26 ga. Alliance 'A' <input type="checkbox"/> 26 ga. Alliance 'M' <input type="checkbox"/> 26 ga. Alliance 'ABT-32' <input type="checkbox"/> 26 ga. Alliance '1P-36'	<input type="checkbox"/> 26 ga. Alliance 'R' <input type="checkbox"/> 24 ga. Alliance 'A12' <input type="checkbox"/> 26 ga. Alliance 'M'
Please see our website for technical manuals: <a href="https://allianceokc.com/technical-information/">https://allianceokc.com/technical-information/</a>			
Roof Weather Tightness Warranty Requirements:		Field Located Accessories	
<input checked="" type="checkbox"/> No Warranty <input type="checkbox"/> Weather Tightness Warranty - Warranty may require field inspections during installation. - Warranty may require roof installer to be certified by ASI. - Contact ASI warranty department with any questions prior to installation.			

DESIGN DEFLECTION LIMITS			
SYSTEM	LOAD	TYPE	LIMITS
Frames	LIVE	Vert.	L/180
Frames	WIND	Horz.	H/60
Frames	SEIS	Horz.	H/67
Frames	CRANE	Horz.	H/100
Bracing	WIND	Horz.	H/60
Bracing	SEIS	Horz.	H/67
EW Rafter	LIVE	Vert.	L/180
EW Rafter	WIND	Vert.	L/180
EW Column	WIND	Horz.	L/180
Purlins	LIVE	Vert.	L/180
Purlins	WIND	Vert.	L/180
Girts	WIND	Horz.	L/180
Panel: Roof	LIVE	Vert.	L/60
Panel: Roof	WIND	Vert.	L/60
Panel: Wall	WIND	Horz.	L/60
Partition Col.	WIND	Horz.	L/60
Partition Girt	WIND	Horz.	L/60

NOTE: APPROVER TO VERIFY ALL DIMENSIONS AND THE GENERAL LAYOUT(S) OF THE BUILDING(S). ANY INFORMATION SHOWN ON THESE DRAWINGS THAT IS NOT CHANGED WILL BE ASSUMED TO BE CORRECT.

PRELIMINARY NOT FOR CONSTRUCTION

**Built-up Plate Member Key**

Designation, format is 'WAABCCD' where  
W = Built-up welded section  
AA = Total depth of member (inches)  
BB = Flange width in inches (B8 = 8", 10 = 10")  
CC = Flange thickness in 1/16" (1 = 1/16", 2 = 1/8")  
D = Web thickness (1=9ga., 2=8ga., 3=3/16", 4=1/4")

DUE TO THE VOLATILITY OF THE STEEL PRICING MARKET, ALL APPROVAL DRAWINGS MUST BE RETURNED TO ALLIANCE STEEL WITHIN 14 DAYS. APPROVAL DRAWINGS DELAYED LONGER THAN 14 DAYS MAY SUBJECT THE PROJECT TO ANY PRICE INCREASES INCURRED BY ALLIANCE STEEL UP TO THE DATE OF DELIVERY.

THESE DRAWINGS ARE SUBMITTED FOR "APPROVAL ONLY"

These drawings are not final drawings and should not be used to pour concrete. This job WILL NOT be placed in the production schedule until one set of drawings has been returned approved (signed and dated) as shown. Additions/deletions are subject to price adjustments.

APPROVED AS DRAWN  
 APPROVED, FURNISH CORRECTED  
 MAKE CORRECTIONS NOTED, RESUBMITAL NOT REQUIRED  
 REVISE AND RESUBMIT

APPROVED BY: \_\_\_\_\_  
DATE APPROVED: \_\_\_\_\_

\* NOTE: This building WILL NOT be scheduled for production until these drawings are approved (see above) AND a complete color schedule is provided.

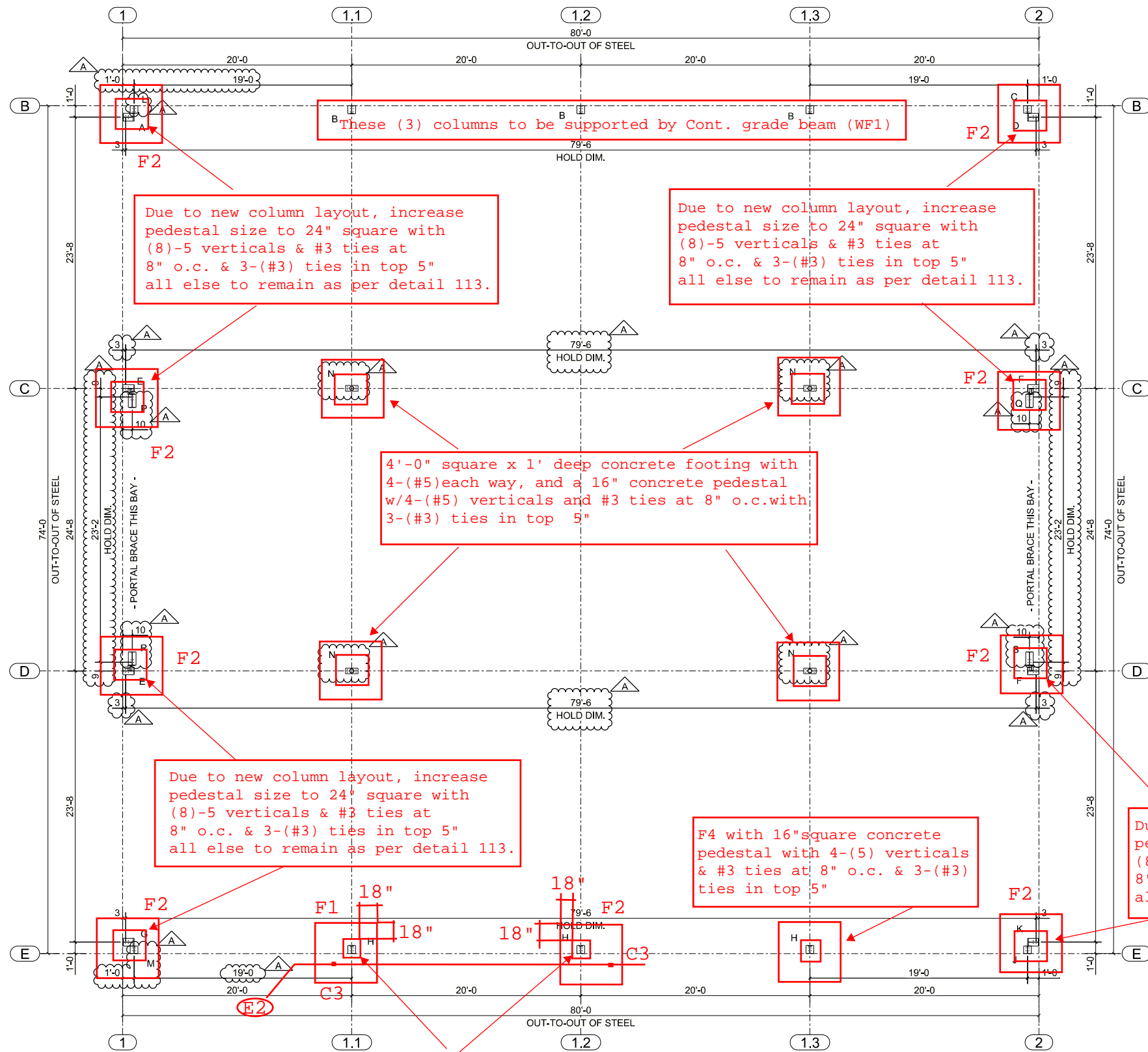
### ENGINEERING SEAL

This certification covers parts fabricated and delivered by the manufacturer only and excludes parts such as doors, windows, foundation design, and erection of the building. Sealed drawings do not constitute an agreement that the signed engineer is acting as the engineer of record for the overall project.

TEXAS COA# F-006272

12/17/2024





Due to new column layout, increase pedestal size to 24" square with (8)-5 verticals & #3 ties at 8" o.c. & 3-(#3) ties in top 5" all else to remain as per detail 113.

Due to new column layout, increase pedestal size to 24" square with (8)-5 verticals & #3 ties at 8" o.c. & 3-(#3) ties in top 5" all else to remain as per detail 113.

4'-0" square x 1' deep concrete footing with 4-(#5) each way, and a 16" concrete pedestal w/4-(#5) verticals and #3 ties at 8" o.c. with 3-(#3) ties in top 5"

Due to new column layout, increase pedestal size to 24" square with (8)-5 verticals & #3 ties at 8" o.c. & 3-(#3) ties in top 5" all else to remain as per detail 113.

F4 with 16" square concrete pedestal with 4-(5) verticals & #3 ties at 8" o.c. & 3-(#3) ties in top 5"

Due to new column layout, increase pedestal size to 24" square with (8)-5 verticals & #3 ties at 8" o.c. & 3-(#3) ties in top 5" all else to remain as per detail 113.

16" square concrete pedestal with 4-(#5) verticals & #3 ties at 8" o.c. & 3-(#3) ties in top 5"

G.C. To coordinate column locations with architectural drawings. Footings/pilasters have been provided.  
JTA Engineering

**ANCHOR BOLT PLAN**  
F.F. ELEV. 100'-0"  
ALL B.P.E. 100'-1 1/2" ON  
OF NON-SHRINK GROUT U.N.O.

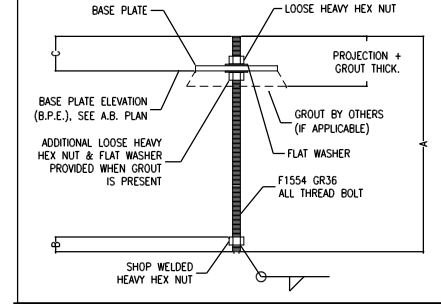
- ANCHOR BOLT NOTES:**
- 1.) FINISHED FLOOR IS REFERENCED AS 100'-0". ALL BASE PLATE ELEVATIONS (B.P.E.) ARE AT ELEVATION 100'-1 1/2" (ABOVE FINISH FLOOR W/ 1/2" OF NON-SHRINK GROUT) UNLESS NOTED OTHERWISE ON ANCHOR BOLT PLAN.
  - 2.) THE DRAWING APPROVER IS RESPONSIBLE FOR CONFIRMING ALL BASE PLATE ELEVATIONS (B.P.E.). ALL BASE PLATE ELEVATIONS ARE FOR APPROVAL. IF THE BASE PLATE ELEVATIONS ARE NOT CHANGED ON THE RETURNED APPROVAL DRAWINGS, THEY ARE CONSIDERED APPROVED AND ALL STEEL WILL BE MANUFACTURED ACCORDINGLY.
  - 3.) THIS ANCHOR BOLT PLAN IS FOR BOLT LOCATIONS ONLY. DO NOT USE THIS DRAWING FOR POURING FOUNDATION. REFER TO ARCHITECTURAL/STRUCTURAL DRAWINGS FOR FOUNDATION PLAN, SECTIONS, & DETAILS.
  - 4.) MINOR DIMENSIONAL MODIFICATIONS MAY BE MADE TO THE ARCHITECTURAL/STRUCTURAL DRAWINGS TO ACCOMMODATE ALLIANCE STEEL'S METAL BUILDING DESIGN AND STANDARD CONNECTION REQUIREMENTS.
  - 5.) IT IS THE RESPONSIBILITY OF THE CUSTOMER TO COORDINATE ANY VARIANCES BETWEEN ALLIANCE STEEL'S ANCHOR BOLT PLAN, AND THE ARCHITECTURAL/STRUCTURAL FOUNDATION PLAN BEFORE POURING PIERS, FOOTINGS, ETC.

**ANCHOR BOLT SCHEDULE (STRAIGHT ALL THREAD)**

QUANTITY	DIAMETER	A	B	C
---	1/2"	0'-7 1/2"	0'-1 1/2"	0'-1 1/2" + GROUT THICK.
---	5/8"	1'-1 1/2"	0'-1 1/2"	0'-1 1/2" + GROUT THICK.
---	3/4"	1'-11"	0'-1 1/2"	0'-2 1/2" + GROUT THICK.
---	7/8"	2'-0 1/2"	0'-1 1/2"	0'-2 1/2" + GROUT THICK.
---	1"	2'-2 1/2"	0'-1 1/2"	0'-3" + GROUT THICK.
---	1 1/8"	2'-4 1/2"	0'-1 1/2"	0'-3 1/2" + GROUT THICK.
---	1 1/4"	2'-6 1/4"	0'-1 3/4"	0'-3 1/2" + GROUT THICK.
---	1 3/8"	2'-8 1/4"	0'-1 3/4"	0'-4" + GROUT THICK.
---	1 1/2"	2'-9 3/4"	0'-1 3/4"	0'-4" + GROUT THICK.

ANCHOR BOLTS PROVIDED BY:  ALLIANCE  BUYER

- NOTES:**
- 1.) 1/2" EXPANSION BOLTS FOR MISCELLANEOUS FRAMED OPENINGS (WALK DOORS, WINDOWS, LOUVERS, ETC.) ARE TO BE PROVIDED BY OTHERS.
  - 2.) ALTHOUGH ALLIANCE DESIGNS ANCHOR BOLT QUANTITY AND DIAMETER, THE FOUNDATION ENGINEER OR ENGINEER OF RECORD IS RESPONSIBLE FOR DESIGN OF EMBEDMENT LENGTH IN THE FOUNDATION. SHOULD ALLIANCE PROVIDE ANCHOR BOLT MATERIAL, THE LENGTH IS TO BE SPECIFIED BASED ON THE ABOVE CHART OF STANDARD LENGTHS. LENGTHS OTHER THAN STANDARD MAY IMPACT COST AND DELIVERY OF ANCHOR BOLTS.
  - 3.) REFER TO SECTIONS FOR GROUT THICKNESS IF APPLICABLE.



PRELIMINARY  
NOT FOR CONSTRUCTION

THESE DRAWINGS ARE SUBMITTED FOR  
**"APPROVAL ONLY"**

These drawings are not final drawings and should not be used for construction. This set shall NOT be placed in the production schedule until the use of all drawings has been returned approved (signed and dated) as shown. Additions/changes are subject to price adjustments.

APPROVED AS DRAWN  
 APPROVED, FURNISH CORRECTED  
 MAKE CORRECTIONS NOTED, RESUBMITTAL NOT REQUIRED  
 REVISE AND RESUBMIT

APPROVED BY: \_\_\_\_\_  
DATE APPROVED: \_\_\_\_\_

\* NOTE: This building WILL NOT be scheduled for production until these drawings are approved (see above) AND a complete color schedule is provided.

**ENGINEERING SEAL**

This certification covers parts fabricated and delivered by the manufacturer only and excludes parts such as doors, windows, foundation design, and erection of the building. Sealed drawings do not constitute an agreement that the signed engineer is acting as the engineer of record for the overall project.



NO.	REVISION	DATE	BY	CHK.
1	REVISE & RESUBMIT FOR APPROVAL	12/17/2024	JTA	DMN
2	FOR APPROVAL	12/17/2024	JTA	DMN
3	FOR APPROVAL	12/17/2024	JTA	DMN
4	FOR APPROVAL	12/17/2024	JTA	DMN
5	FOR APPROVAL	12/17/2024	JTA	DMN

**Dantex Construction Company**  
EL PASO, TEXAS 79922

**Horizon City Municipal Facilities**  
HORIZON CITY, TEXAS 79928

CUSTOMER PROJECT

**Alliance**

**STEEL BUILDING SYSTEMS**  
3333 S. COUNCIL RD., OKLA. CITY, OK 73179  
(800) 624-1579 (405) 745-7500 WWW.ALLIANCEOKC.COM

ENG BY: JRL  
CAD BY: NRG  
DET BY: DMN  
CKD BY: DMN

JOB NUMBER:  
324-0254

DWG NUMBER:  
AB1 OF 3



**LABOR BREAKDOWN CHANGE ORDER #2**

144 MH	REMOVAL OF EXISTING REBAR, WIREMESH AND VAPOR BARRIER TO ACCOMMODATE NEW INTERIOR AND PERIMETER CONCREETE FOOTINGS	\$ 20.00	\$ 2,880.00
16	BACKFILL PERIMETER FOOTING TO INTRODUCE A BACKHOE ONTO THE SLAB FOR EXCAVATION OF INTERIOR AND PERIMETER CONCRETE FOOTINGS	\$ 20.00	\$ 320.00
64	INTERIOR AND PERIMETER CONCRETE FOOTINGS (NO DENSITIES INCLUDED AS SLAB HAS LOST MOISTURE FOR SITTING 4+ MONTHS)	\$ 20.00	\$ 1,280.00
32	FABRICATION AND INSTALLATION OF REBAR ON NEW SPOT FOOTINGS	\$ 20.00	\$ 640.00
48	PREP AND INSTALL ANCHOR BOLT TEMPLATE CONCRETE POUR WITH OUT PUMP OF NEW	\$ 20.00	\$ 960.00
48	CONCRETE SPOT FOOTINGS	\$ 20.00	\$ 960.00
96	HAND GRADE CONCRETE SLAB AND RE-EXCAVATE PERIMETER FOOTING AFTER SPOT FOOTINGS ARE POURED	\$ 20.00	\$ 1,920.00
80	RE-INSTALL VAPOR BARRIER AND WIRE MESH	\$ 20.00	\$ 1,600.00
64	FORM AND INSTALLATION OF REBAR AT PEDESTALS	\$ 20.00	\$ 1,280.00
48	RECTIFY PERIMETER SLAB FORMS, REMOVE AND REPLACE WARPED FORMS	\$ 20.00	\$ 960.00
22	INSTALL PLASTIC TO PROTECT EXISING STRUCTURES FROM CONCRETE SPLASH AND AVOID CLEAN UP	\$ 20.00	\$ 440.00
80	ON SITE FORMEN / COMPETANT PERSON	\$ 25.00	\$ 2,000.00
	<b>SUM TOTAL LABOR BUDGET</b>		<b>\$ 15,240.00</b>