



COLLIN COUNTY

Office of the Purchasing Agent
2300 Bloomdale Road
Suite 3160
McKinney, Texas 75071
www.collincountytx.gov

COLLIN COUNTY, TEXAS

ADDENDUM NO. SIX (6)

CSP NO. 2023-398

COMPETITIVE SEALED PROPOSAL

FOR

CONSTRUCTION: CCADF INFIRMARY EXPANSION

DATE: December 8, 2023

NOTICE TO ALL PROSPECTIVE OFFERORS:

PLEASE MAKE THE FOLLOWING CHANGES TO THE COMPETITIVE SEALED PROPOSAL:

REVISE § 00 41 00 BID FORM:

ADD ATTRIBUTE NO. 30: ADDENDUM NO. 6 ACKNOWLEDGEMENT

ADD DOCUMENTS:

SUBSTITUTION REQUEST; CML [APPROVED]
SUBSTITUTION REQUEST; SAMSUNG VRF AC [APPROVED]
SUBSTITUTION REQUEST; BOSCH BOILERS [APPROVED]
SUBSTITUTION REQUEST; CLIMATE CRAFT MULTI-ZONE AHU [APPROVED]
SUBSTITUTION REQUEST; ARCHITECTURAL LOUVERS [REJECTED]
SUBSTITUTION REQUEST; ERIE METAL ENWJ-SERIES [APPROVED]
SUBSTITUTION REQUEST; ERIE METAL EWJ-SERIES [APPROVED]
SUBSTITUTION REQUEST; ERIE METAL ALCP-SERIES [APPROVED]
SUBSTITUTION REQUEST; ERIE METAL BS25-SERIES [APPROVED]
SUBSTITUTION REQUEST; ERIE METAL CSS DS-SERIES [APPROVED]

ONLINE PUBLIC QUESTION & ANSWER RECORD

ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION AND SPECIFICATIONS REMAIN THE SAME.

SINCERELY,
MICHELLE CHARNOSKI, NIGP-CPP, CPPB
PURCHASING AGENT

/HA



Collin County Purchasing

2023-398 Addendum 6

CCADF Medical Mental Health Expansion

Issue Date: 10/10/2023

Questions Deadline: 11/16/2023 05:00 PM (CT)

Response Deadline: 12/14/2023 02:00 PM (CT)

Collin County Purchasing

Contact Information

Contact: Hunter Alley, CPPB Senior Buyer

Address: Purchasing

Admin. Building

Ste. 3160

2300 Bloomdale Rd.

Ste. 3160

McKinney, TX 75071

Phone: (972) 548-4117

Fax: (972) 548-4694

Email: halley@co.collin.tx.us

Event Information

Number: 2023-398 Addendum 6
 Title: CCADF Medical Mental Health Expansion
 Type: Competitive Sealed Proposal
 Issue Date: 10/10/2023
 Question Deadline: 11/16/2023 05:00 PM (CT)
 Response Deadline: 12/14/2023 02:00 PM (CT)
 Notes: Expansion project to the Collin County Adult Detention Facility (CCADF) to increase medical / mental health housing. The scope includes a two-story addition to the existing facility and a partial renovation of the current infirmary area. The project will provide additional medical isolation beds, flexible medical orientation beds, acute beds, high acute beds, and subacute beds.

The project is staged in three phases, this is to keep the existing vehicle sally port in operation until the Phase 1 vehicle sallyport is complete and operational.

Ship To Information

Address: See Purchase Order
 McKinney, TX 75071

Billing Information

Address: Auditor
 Admin. Building
 Ste. 3100
 2300 Bloomdale Rd.
 Ste. 3100
 McKinney, TX 75071

Bid Activities**Mandatory Pre-Bid Meeting & Site-walk (Wednesday)**

11/1/2023 10:00:00 AM (CT)

MANDATORY PRE-BID MEETING & SITE-WALK: The Mandatory Pre-Bid Meeting & Site-walk will be conducted by Collin County on Wednesday, November 1, 2023 at 10:00 a.m. and Thursday, November 2, 2023 at 2:30 p.m. at the Collin County Commissioners Courtroom, located at 2300 Bloomdale Road. McKinney, TX 75071. It is the Vendor's responsibility to review the site and documents to gain a full understanding of the requirements of the solicitation. All Vendors desiring to submit a bid are encouraged to have a representative at the activity. Note: Attendance at only one (1) of the two (2) Prebid Meetings & Site-walk is required.

Mandatory Pre-Bid Meeting & Site-walk (Thursday)

11/2/2023 2:30:00 PM (CT)

MANDATORY PRE-BID MEETING & SITE-WALK: The Mandatory Pre-Bid Meeting & Site-walk will be conducted by Collin County on Wednesday, November 1, 2023 at 10:00 a.m. and Thursday, November 2, 2023 at 2:30 p.m. at the Collin County Commissioners Courtroom, located at 2300 Bloomdale Road. McKinney, TX 75071. It is the Vendor's responsibility to review the site and documents to gain a full understanding of the requirements of the solicitation. All Vendors desiring to submit a bid are encouraged to have a representative at the activity. Note: Attendance at only one (1) of the two (2) Prebid Meetings & Site-walk is required.

Bid Attachments**LEGAL_NOTICE.docx**

Legal Notice

[Download](#)**Project Manual Div 00.pdf**

Project Manual

[View Online](#)

Instructions to Access Confidential Information Bid Form [AD 6]

Instructions to Access Confidential Information

[View Online](#)

Confidentiality Agreement--2.docx

Confidentiality Agreement

[View Online](#)

01_2022-188_Addendum_No._1.doc

Addendum No. 1

[View Online](#)

00 41 00 BID FORM COM AD1.pdf

00 41 00 Bid Form [AD 1]

[View Online](#)

01_2023-398_Addendum_No._2.doc

Addendum No. 2

[View Online](#)

00 41 00 BID FORM AD2.pdf

00 41 00 Bid Form [AD 2]

[View Online](#)

00 21 16 Instruction to Offerors CSP_AD2.doc

00 21 16 Instructions to Offerors [AD 2]

[View Online](#)

01_2023-398_Addendum_No._3.doc

Addendum No. 3

[View Online](#)

00 41 00 Bid Form AD3 Combined.pdf

00 41 00 Bid Form [AD 3]

[View Online](#)

00 43 25 Product Substitution Request Form.docx

00 43 25 Product Substitution Request Form [AD 3]

[View Online](#)

01_2023-398_Addendum_No._4.doc

Addendum No. 4

[View Online](#)

00 41 00 BID FORM AD4 COMBO.pdf

00 41 00 BID FORM [AD 4]

[View Online](#)

SKM_450i23110814100.pdf

Pre-proposal Conference Attendance Record [AD 4]

[View Online](#)

Spectra Glaze Sub Request 11.13.23_BSW.pdf

SUBSTITUTION REQUEST; "SPECTRA-GLAZE II" [APPROVED]

[View Online](#)

00 43 25 Product Substitution Request Form Reject.pdf

SUBSTITUTION REQUEST; "ATLAS INDUSTRIAL HORIZONTAL LOUVERS" [REJECTED]

[View Online](#)

01_2023-398_Addendum_No._5.doc

Addendum No. 5

[View Online](#)

00 41 00 BID FORM AD5.pdf

00 41 00 BID FORM [AD 5]

[View Online](#)

Substitution Request Form Aerovent.pdf

SUBSTITUTION REQUEST; AEROVENT POWER VENTILATORS [APPROVED]

[View Online](#)

Substitution Request Form Anemostat Louvers Dampers.pdf

SUBSTITUTION REQUEST; ANEMOSTAT LOUVERS & DAMPERS [APPROVED]

[View Online](#)

Substitution Request Form Anemostat.pdf

SUBSTITUTION REQUEST; ANEMOSTAT DIFFUSERS REGISTERS GRILLS [APPROVED]

[View Online](#)

Substitution Request Form Mafna Multizone AHU.pdf

SUBSTITUTION REQUEST; MAFNA MULTI-ZONE AHU [REJECTED]

[View Online](#)

01_2023-398_Addendum_No._6.d00 41 00 BID FORM [AD 6]

Addendum No. 6

[View Online](#)

00 41 00 BID FORM AD 6 pdf.pdf

00 41 00 BID FORM [AD 6]

[View Online](#)

SUB REQ_CML.pdf

SUBSTITUTION REQUEST; CML [APPROVED]

[View Online](#)

Substitution Request Form Samsung VRF AC.pdf

SUBSTITUTION REQUEST; SAMSUNG VRF AC [APPROVED]

[View Online](#)

Substitution Request Form Bosch Boilers.pdf

SUBSTITUTION REQUEST; BOSCH BOILERS [APPROVED]

[View Online](#)

Substitution Request Form Climate Craft Multizone AHU.pdf

SUBSTITUTION REQUEST; CLIMATE CRAFT MULTI-ZONE AHU [APPROVED]

[View Online](#)

20231206 Substitution Request Form Arch Louvers roof screens.pdf

SUBSTITUTION REQUEST; ARCHITECTURAL LOUVERS [REJECTED]

[View Online](#)

ENWJ Series Submittal Package.pdf

SUBSTITUTION REQUEST; ERIE METAL ENWJ-SERIES [APPROVED]

[View Online](#)

EWJ-Series Submittal Package.pdf

SUBSTITUTION REQUEST; ERIE METAL EWJ-SERIES [APPROVED]

[View Online](#)

ALCP Series Submittal Package.pdf

SUBSTITUTION REQUEST; ERIE METAL ALCP-SERIES [APPROVED]

[View Online](#)

BS25 Series Submittal Package.pdf

SUBSTITUTION REQUEST; ERIE METAL BS25-SERIES [APPROVED]

[View Online](#)

CSS(DS) Series Submittal Package.pdf

SUBSTITUTION REQUEST; ERIE METAL CSS DS-SERIES [APPROVED]

[View Online](#)

Public Question & Answer (2).pdf

ONLINE PUBLIC QUESTION & ANSWER RECORD

[View Online](#)

Requested Attachments

Conflict of Interest Questionnaire

W-9

(Attachment required)

Bid Bond

(Attachment required)

BID SECURITY: All Bidders must submit, prior to the bid opening time, a Certified Check, Cashier's Check or acceptable Bid Bond payable without recourse to Collin County in the amount of not less than five percent (5%) of the total bid plus alternates as submitted. 1. Bid Bond, certified check or Cashier's Check may be mailed or delivered to the Office of the Collin County Purchasing Agent, Collin County Administration Building, 2300 Bloomdale Road, Ste 3160, McKinney, TX 75071 and shall be delivered in an envelope, marked plainly on the outside with the Bid Name and Number. 2. Bidders submitting a bid via Collin County eBid shall upload a Bid Bond at <https://collincountytx.ionwave.net> Regardless of delivery method, all Bid Bonds shall be received prior to the bid opening time to be considered. Failure to submit a copy of bid security prior to bid opening shall be cause for rejection of bid. The original Bid Bond shall be received in the Collin County Purchasing Department no later than close of business on the third working day after the bid opening. Late receipt of original Bid Bond shall be cause for rejection of bid.

Acknowledgement Forms for Federal Acquisition Regulation [AD 6]

(Attachment required)

refer to 00 41 00 Bid Form

Proposal

(Attachment required)

Bid Attributes

1 eBid Notice

Collin County exclusively uses IonWave Technologies, Inc. (Collin County eBid) for the notification and dissemination of all solicitations. The receipt of solicitations through any other means may result in your receipt of incomplete specifications and/or addendums which could ultimately render your bid/proposal non-compliant. Collin County accepts no responsibility for the receipt and/or notification of solicitations through any other means. Please initial.

(Required: Maximum 1000 characters allowed)

2 Contact Information

List the contact name, email address and phone number of the main person(s) Collin County should contact in reference to this solicitation. Contact(s) shall be duly authorized by the company, corporation, firm, partnership or individual to respond to any questions, clarification, and or offers in response to this solicitation.

(Required: Maximum 4000 characters allowed)

3 Attribute deleted as part of an Addendum

4 Exceptions (for RFP/RFQ)

Do you take exception to the specifications? If so, by separate attachment, please state your exceptions.

Yes No

(Required: Check only one)

5 Insurance Acknowledgement – Construction/Public Works

I understand that the insurance requirements of this solicitation are required and are included in the submitted pricing. The Contractor shall furnish certificates of insurance for both the Contractor and any subcontractor to the Purchasing department if awarded all or a portion of the resulting contract. Please initial.

(Required: Maximum 1000 characters allowed)

6 Bonding Requirement Acknowledgement

I understand that the bonding requirements of this solicitation are required and are included in the submitted pricing. A bond certificate (payment, performance, and/or maintenance) as stated in the specification document shall be submitted to the Purchasing department if I am awarded all or a portion of the resulting contract. Please initial.

(Required: Maximum 1000 characters allowed)

7 Bid Bond Acknowledgement

I understand that accompanying this bid, is a certified check, cashier's check or Bid Bond in the amount of five percent (5%) of the total amount bid. Bidders submitting a bid via Collin County eBid shall upload a Bid Bond at <https://collincountytx.ionwave.net>. Regardless of delivery method, all Bid Bonds shall be received prior to the bid opening time to be considered.

I understand that the original Bid Bond shall be received in the Collin County Purchasing Department no later than close of business on the third working day after the bid opening. **Late receipt of original Bid Bond shall be cause for rejection of bid.** Please initial.

(Required: Maximum 4000 characters allowed)

8 Reference No. 1

List a company or governmental agency, other than Collin County, where these same/like products/services, as stated herein, have been provided. Texas references are preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail. It is the responsibility of the Bidder/Proposer to ensure submitted references will be responsive to the County's requests. The County reserves the right to contact references other than those listed, and to consider any information acquired from all references during the evaluation process.

(Required: Maximum 4000 characters allowed)

9 Reference No. 2

List a company or governmental agency, other than Collin County, where these same/like products/services, as stated herein, have been provided. Texas references are preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail. It is the responsibility of the Bidder/Proposer to ensure submitted references will be responsive to the County's requests. The County reserves the right to contact references other than those listed, and to consider any information acquired from all references during the evaluation process.

(Required: Maximum 4000 characters allowed)

10 Reference No. 3

List a company or governmental agency, other than Collin County, where these same/like products/services, as stated herein, have been provided. Texas references are preferred. Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail. It is the responsibility of the Bidder/Proposer to ensure submitted references will be responsive to the County's requests. The County reserves the right to contact references other than those listed, and to consider any information acquired from all references during the evaluation process.

(Required: Maximum 4000 characters allowed)

11 Cooperative Contracts

As permitted under Title 8, Chapter 271, Subchapter F, Section 271.101 and 271.102 V.T.C.A. and Title 7, Chapter 791, Subchapter C, Section 791.025, V.T.C.A., other local governmental entities may wish to also participate under the same terms and conditions contained in this contract. Each entity wishing to participate must enter into an inter-local agreement with Collin County and have prior authorization from vendor. If such participation is authorized, all purchase orders will be issued directly from and shipped directly to the local governmental entity requiring supplies/services. Collin County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by these entities. Each entity reserves the right to determine their participation in this contract. Would bidder be willing to allow other local governmental entities to participate in this contract, if awarded, under the same terms and conditions?

Yes No

(Required: Check only one)

1 **Preferential Treatment**

2

The County of Collin, as a governmental agency of the State of Texas, may not award a contract to a nonresident bidder unless the nonresident's bid is lower than the lowest bid submitted by a responsible Texas resident bidder by the same amount that a Texas resident bidder would be required to underbid a nonresident bidder to obtain a comparable contract in the state in which the nonresident's principal place of business is located (Government Code, Title 10, V.T.C.A., Chapter 2252, Subchapter A).

1. Is your principal place of business in the State of Texas?
2. If your principal place of business is not in Texas, in which State is your principal place of business?
3. If your principal place of business is not in Texas, does your state favor resident bidders (bidders in your state) by some dollar increment or percentage?
4. If your state favors resident bidders, state by what dollar amount or percentage.

(Required: Maximum 4000 characters allowed)

1 **Debarment Certification**

3

I certify that neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations. Please initial.

(Required: Maximum 1000 characters allowed)

1 **Immigration and Reform Act**

4

I declare and affirm that my company is in compliance with the Immigration and Reform Act of 1986 and all employees are legally eligible to work in the United States of America. I further understand and acknowledge that any non-compliance with the Immigration and Reform Act of 1986 at any time during the term of this contract will render the contract voidable by Collin County. Please initial.

(Required: Maximum 1000 characters allowed)

1 **Disclosure of Certain Relationships**

5

Chapter 176 of the Texas Local Government Code requires that any vendor considering doing business with a local government entity disclose the vendor's affiliation or business relationship that might cause a conflict of interest with a local government entity. Subchapter 6 of the code requires a vendor to file a conflict of interest questionnaire (CIQ) if a conflict exists. By law this questionnaire must be filed with the records administrator of Collin County no later than the 7th business day after the date the vendor becomes aware of an event that requires the statement to be filed. A vendor commits an offense if the vendor knowingly violates the code. An offense under this section is a misdemeanor. By submitting a response to this request, the vendor represents that it is in compliance with the requirements of Chapter 176 of the Texas Local Government Code. Please send completed forms to the Collin County County Clerk's Office located at 2300 Bloomdale Rd., Suite 2104, McKinney, TX 75071. Please initial.

(Required: Maximum 1000 characters allowed)

1
6

Anti-Collusion Statement

Bidder certifies that its Bid/Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid/Proposal for the same materials, services, supplies, or equipment and is in all respects fair and without collusion or fraud. No premiums, rebates or gratuities permitted; either with, prior to, or after any delivery of material or provision of services. Any such violation may result in Agreement cancellation, return of materials or discontinuation of services and the possible removal from bidders list. Please initial.

(Required: Maximum 1000 characters allowed)

1
7

Disclosure of Interested Parties

Section 2252.908 of the Texas Government Code requires a business entity entering into certain contracts with a governmental entity to file with the governmental entity a disclosure of interested parties at the time the business entity submits the signed contract to the governmental entity. Section 2252.908 requires the disclosure form (Form 1295) to be signed by the authorized agent of the contracting business entity, acknowledging that the disclosure is made under oath and under penalty of perjury. Section 2252.908 applies only to a contract that requires an action or vote by the governing body of the governmental entity before the contract may be signed or has a value of at least \$1 million. Section 2252.908 provides definitions of certain terms occurring in the section. Section 2252.908 applies only to a contract entered into on or after January 1, 2016. Please initial.

(Required: Maximum 1000 characters allowed)

1
8

Notification Survey

In order to better serve our offerors, the Collin County Purchasing Department is conducting the following survey. We appreciate your time and effort expended to submit your bid. Should you have any questions or require more information please call (972) 548-4165. How did you receive notice of this request?

- Plano Star Courier Plan Room Collin County eBid Notification Collin County Website
- Other

(Required: Check only one)

1
9

Proposer Acknowledgement

Proposer acknowledges, understands the specifications, any and all addenda, and agrees to the proposal terms and conditions and can provide the minimum requirements stated herein. Offeror acknowledges they have read the document in its entirety, visited the site, performed investigations and verifications as deemed necessary, is familiar with local conditions under which work is to be performed and will be responsible for any and all errors in Proposal submittal resulting from Proposer's failure to do so. Proposer acknowledges the prices submitted in this Proposal have been carefully reviewed and are submitted as correct and final. If Proposal is accepted, vendor further certifies and agrees to furnish any and all products/services upon which prices are extended at the price submitted, and upon conditions in the specifications of the Request for Proposal. Please initial.

(Required: Maximum 1000 characters allowed)

2
0

Compliance with Federal Law, Regulations, and Executive Orders and Acknowledgment of Attachments

The respondent acknowledges that FEMA financial assistance or other State and Federal Assistance may be used to fund all or a portion of the contract. The Respondent will comply with all applicable Federal and state law, regulations, executive orders, policies, procedures, and directives, as detailed in the document attached titled: "ACKNOWLEDGMENT FORMS FOR TERMS AND CONDITIONS FOR FEDERALLY FUNDED PROJECTS". Further, by initialing this attribute, the Respondent is verifying that during the performance of this Contract, should federal assistance be utilized, compliance with the certifications and provisions contained herein is mandatory and shall not be excluded and are not subject to changes, modifications and / or negotiation, unless explicitly indicated in writing by COLLIN COUNTY.

The Respondent has reviewed, completed, and signed the attached ACKNOWLEDGMENT FORMS FOR TERMS AND CONDITIONS FOR FEDERALLY FUNDED PROJECTS and will submit signed forms for this solicitation with their response. Please Initial.

(Required: Maximum 1000 characters allowed)

2
1

Critical Infrastructure Affirmation

Pursuant to section 2274.0102 of the Texas Government Code, Respondent certifies that neither it nor its parent company, nor any affiliate of Respondent or its parent company, is: (1) majority owned or controlled by citizens or governmental entities of China, Iran, North Korea, Russia, or any other country designated by the Governor under Government Code Section 2274.0103, or (2) headquartered in any of those countries. Please initial.

(Required: Maximum 1000 characters allowed)

2
2

Energy Company Boycotts

Pursuant to Section 2274.002 of the Texas Government Code, should the contract have a value of \$100,000 or more and the company employs 10 or more full-time employees, Respondent represents and warrants that: (1) it does not, and will not for the duration of the contract, boycott energy companies, and (2) will not boycott energy companies during the term of the contract. If circumstances relevant to this provision change during the course of the contract, Respondent shall promptly notify Agency. Please initial.

(Required: Maximum 1000 characters allowed)

2
3

Firearm Entities and Trade Associations Discrimination

Pursuant to section 2274.002 of the Texas Government Code, should the contract have a value of \$100,000 or more and the company employs 10 or more full-time employees, Respondent verifies that: (1) it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association and (2) will not discriminate during the term of the contract against a firearm entity or firearm trade association. If circumstances relevant to this provision change during the course of the contract, Respondent shall promptly notify Agency. Please initial.

(Required: Maximum 1000 characters allowed)

2
4

Construction Acknowledgement

Bidder, declares that the only person or parties interested in this bid are those principals named herein, that his/her bid is made without collusion with any other person, firm or corporation, that he/she has carefully examined the Contract Documents including the Advertisement for Bids, Instruction to Bidders, Construction Agreement, Specifications and the Drawings, therein referred to and has carefully examined the locations, conditions and classes of materials for the proposed work, and agrees that he/she will provide all the necessary labor, machinery, tools, equipment, apparatus and other items incidental to construction and will do all the work and furnish all the materials called for in the Contract Documents in the manner prescribed therein. Bidder hereby declares that he/she has visited the site of the Work and has carefully examined the Contract Documents pertaining to the Work covered by the above Bid, and he/she further agrees to commence work within ten (10) consecutive calendar days after date of written Notice to Proceed and to substantially complete the work on which he/she has bid within the number of days specified subject to such extensions of time allowed by Specifications. Bidder certifies that the bid prices contained in this bid have been carefully checked and are submitted as correct and final. The prices have been shown in words and figures for each item listed in this bid and it is understood that in the event of a discrepancy, the words shall govern. Please initial.

(Required: Maximum 1000 characters allowed)

2
5

Addendum No. 1

Please initial to verify your receipt of the addendum.

(Required: Maximum 1000 characters allowed)

2
6

Addendum No. 2

Please initial to verify your receipt of the addendum.

(Required: Maximum 1000 characters allowed)

2
7

Addendum No. 3

Please initial to verify your receipt of the addendum.

(Required: Maximum 1000 characters allowed)

2
8

Addendum No. 4

Please initial to verify your receipt of the addendum.

(Required: Maximum 1000 characters allowed)

29	Addendum No. 5 00 41 00 BID FORM [AD 6] Please initial to verify your receipt of the addendum. <hr/> <hr/> <hr/> <p style="font-size: small; margin-top: 10px;"><i>(Required: Maximum 1000 characters allowed)</i></p>
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30	Addendum No. 6 Please initial to verify your receipt of the addendum. <hr/> <hr/> <hr/> <p style="font-size: small; margin-top: 10px;"><i>(Required: Maximum 1000 characters allowed)</i></p>
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Bid Lines

1	Package Header <hr/> <p>Base Bid Grand Total</p> <p>Quantity: <u> 1 </u> UOM: <u> lump sum </u> Total: \$ <input style="width: 150px;" type="text"/></p> <p>Item Notes: Total Material Cost (Line 1.1) and Total Labor Cost (Line 1.2) must add up to the Base Bid Grand Total</p> <p>Supplier Notes: <input style="width: 600px;" type="text"/></p> <hr/> <div style="float: right; border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> <input type="checkbox"/> No bid <input type="checkbox"/> Alternate specification <i>(Attach separate sheet)</i> <input type="checkbox"/> Additional notes <i>(Attach separate sheet)</i> </div> <p>Package Attributes</p> <p>1. Grand Total- Written in Words State the Grand Total in written words. <hr/> <hr/> <hr/> <hr/> <hr/> <p style="font-size: small; margin-top: 10px;"><i>(Required: Maximum 4000 characters allowed)</i></p> <p>2. Calendar Days Bid [BASE BID] Please state the consecutive calendar days bid from notice to proceed through completion of project. <input style="width: 100px; height: 20px;" type="text"/> <i>(Required: Numbers only)</i></p> </p>
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00 41 00 BID FORM [AD 6]

Package Items

1.1 Total Materials Cost Incorporated in Project

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Supplier Notes: _____

- No bid
- Additional notes
(Attach separate sheet)

1.2 Total Labor Cost Incorporated in Project

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Supplier Notes: _____

- No bid
- Additional notes
(Attach separate sheet)

2 Alternate # 4 - Infirmary Remodel

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Item Notes: State the cost, in its entirety, to build-out the floor as indicated on Drawing1 on A231 - LEVEL 1 - FFMO/ADMIN & CLINIC FLOOR PLANS.

Supplier Notes: _____

- No bid
- Alternate specification
(Attach separate sheet)
- Additional notes
(Attach separate sheet)

Item Attributes

1. Calendar Days Bid [ALT. 4]

Please state the consecutive calendar days bid from notice to proceed through completion of project.

(Required: Numbers only)

3 Alternate # 6 - Flocked Vinyl Floor Finish Upgrade [base]

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Item Notes: State the cost, in its entirety, to add CPT3 Flocked Vinyl in the dayroom areas. Refer to finish plans A811, A812, A813 A814, A815, A816, and A817. Provide the cost for base only.

Supplier Notes: _____

- No bid
- Alternate specification
(Attach separate sheet)
- Additional notes
(Attach separate sheet)

Item Attributes

1. Calendar Days Bid [ALT. 6, BASE]

Please state the consecutive calendar days bid from notice to proceed through completion of project.

(Required: Numbers only)

4	Alternate # 7 - Terrazzo Floor Finish Upgrade [base] <i>(Response required)</i>		
Quantity: <u> 1 </u> UOM: <u> lump sum </u> Price: \$ <input style="width:100px;" type="text"/>		Total: \$ <input style="width:100px;" type="text"/>	
Item Notes: State the cost, in its entirety, to modify the epoxy floor showers and epoxy drying areas to field applied epoxy terrazzo floor and base in showers and drying areas. Refer to finish plans A811, A812, A813 A814, A815, A816, A817, and A821. Provide the cost for <u>base only</u> .		<input type="checkbox"/> No bid <input type="checkbox"/> Alternate specification <i>(Attach separate sheet)</i> <input type="checkbox"/> Additional notes <i>(Attach separate sheet)</i>	
Supplier Notes: _____			
Item Attributes			
1. Calendar Days Bid [ALT. 7, BASE]			
Please state the consecutive calendar days bid from notice to proceed through completion of project.			
<input style="width:100px;" type="text"/> <i>(Required: Numbers only)</i>			

5	Alternate # 7 - Terrazzo Floor Finish Upgrade [Infirmiry Remodel] <i>(Response required)</i>		
Quantity: <u> 1 </u> UOM: <u> lump sum </u> Price: \$ <input style="width:100px;" type="text"/>		Total: \$ <input style="width:100px;" type="text"/>	
Item Notes: State the cost, in its entirety, to modify the epoxy floor showers and epoxy drying areas to field applied epoxy terrazzo floor and base in showers and drying areas. Refer to finish plans A811, A812, A813 A814, A815, A816, A817, and A821. Provide the cost for <u>Infirmiry Remodel only</u> .		<input type="checkbox"/> No bid <input type="checkbox"/> Alternate specification <i>(Attach separate sheet)</i> <input type="checkbox"/> Additional notes <i>(Attach separate sheet)</i>	
Supplier Notes: _____			
Item Attributes			
1. Calendar Days Bid [ALT. 7, INFIRMARY REMODEL]			
Please state the consecutive calendar days bid from notice to proceed through completion of project.			
<input style="width:100px;" type="text"/> <i>(Required: Numbers only)</i>			

6	Alternate # 8 - Temporary Chiller at Medical Mental [Alt. 8 A. 1] <i>(Response required)</i>		
Quantity: <u> 1 </u> UOM: <u> month </u> Price: \$ <input style="width:100px;" type="text"/>		Total: \$ <input style="width:100px;" type="text"/>	
Item Notes: Refer to Section 01 23 00 Alternates. State the cost, in its entirety, to set up and take down a chiller, and a price to rent monthly, based on the following tonnage required for the medical addition. BASE = 310 TONS		<input type="checkbox"/> No bid <input type="checkbox"/> Alternate specification <i>(Attach separate sheet)</i> <input type="checkbox"/> Additional notes <i>(Attach separate sheet)</i>	
Supplier Notes: _____			
Item Attributes			
1. Calendar Days Bid [ALT. 8, A 1]			
Please state the consecutive calendar days bid from notice to proceed through completion of project.			
<input style="width:100px;" type="text"/> <i>(Required: Numbers only)</i>			

7	Line deleted as part of an Addendum
----------	--------------------------------------------

8

Line deleted as part of an Addendum

9

Alternate # 9 – Relocate Power/Data Runs

(Response required)

Quantity: 1 UOM: lump sum Price: \$ Total: \$

Item Notes: Refer to Section 01 23 00 Alternates. Should the existing power and data lines running from the vaults be determined to be higher than the finished floor elevation once the contractor excavates to, state the cost, in its entirety, for running 300 feet of four 6-inch conduits for electrical and 300 feet of four 6-inch conduits for data. Where the conduits come through the wall and transition to underground, state the cost, in its entirety, to create a 2-hour rated vault/enclosure (approximately 5 foot deep by 8 foot wide) with a 2-hour rated door for the electrical conduits, and another 2-hour rated vault/enclosure (approximately 5 foot deep by 8 foot wide) with a 2-hour rated door for the data conduits.

- No bid
Alternate specification (Attach separate sheet)
Additional notes (Attach separate sheet)

Supplier Notes:

Item Attributes

1. Calendar Days Bid [ALT. 9]

Please state the consecutive calendar days bid from notice to proceed through completion of project.

[Empty box for calendar days bid]

(Required: Numbers only)

1
0

Unit Prices - State Price for Piers, Each Foot for Types:

Refer to Section 01 22 00 Unit Prices

(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: P1 - Add (Information Only. This line item will not be included in total bid response.)

- No bid
Additional notes (Attach separate sheet)

Supplier Notes:

1
1

Unit Prices - State Price for Piers, Each Foot for Types:

Refer to Section 01 22 00 Unit Prices

(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: P1 - Reduced (Information Only. This line item will not be included in total bid response.)

- No bid
Additional notes (Attach separate sheet)

Supplier Notes:

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1
2 Unit Prices - State Price for Piers, Each Foot for Types:
Refer to Section 01 22 00 Unit Prices
(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: **P2 - Add**
(Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

1
3 Unit Prices - State Price for Piers, Each Foot for Types:
Refer to Section 01 22 00 Unit Prices
(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: **P2 - Reduced**
(Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

1
4 Unit Prices - State Price for Piers, Each Foot for Types:
Refer to Section 01 22 00 Unit Prices
(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: **P3 - Add**
(Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

1
5 Unit Prices - State Price for Piers, Each Foot for Types:
Refer to Section 01 22 00 Unit Prices
(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: **P3 - Reduced**
(Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

1
6 Unit Prices - State Price for Casing, Each Foot for not utilized:
Refer to Section 01 22 00 Unit Prices
(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: **Casing for each foot not utilized (including P1, P2 OR P3) - reduced**
(Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

00 41 00 BID FORM [AD 6]

1
7

Unit price, per linear foot, for all material, labor, and equipment to remove and dispose of existing 12-inch water line including any valves, fittings or appurtenances.

Refer to Section 01 22 00 Unit Prices

(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: (Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

1
8

Unit price, per linear foot, for all material, labor, and equipment to remove and dispose of sprinkler heads from inmate housing cells.

(Response required • Line excluded from response total)

Quantity: 1 UOM: foot Unit Price: \$ Total: \$

Item Notes: (Information Only. This line item will not be included in total bid response.)

Supplier Notes: _____

No bid
 Additional notes
(Attach separate sheet)

Supplier Information

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Company Name: _____
Contact Name: _____
Address: _____

Phone: _____
Fax: _____
Email: _____

Supplier Notes

The undersigned hereby certifies the foregoing proposal submitted by the company listed below hereinafter called "offeror" is the duly authorized agent of said company and the person signing said proposal has been duly authorized to execute same. Offeror affirms that they are duly authorized to execute this contract; this company; corporation, firm, partnership or individual has not prepared this proposal in collusion with any other offeror or other person or persons engaged in the same line of business; and that the contents of this proposal as to prices, terms and conditions of said proposal have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this proposal.

Print Name

Signature

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1. Federal Funding Requirements

The County intends to fund all, or part of the expenditures made under this solicitation with federal funds. Therefore, the Offeror / Bidder awarded a contract from this solicitation will be subject to compliance with the provisions of 2 CFR 200 UNIFORM ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS, including but not limited to:

- A. Davis-Bacon Act. If applicable, Offeror / Bidder agrees to comply with all applicable provisions of 40 USC § 3141 – 3148.
- B. Contract Work Hours and Selection Standards. Offeror / Bidder agrees to comply with all applicable provisions of 40 USC § 3701 – 3708 to the extent this agreement indicates any employment of mechanics or laborers.
- C. Rights to Invention Made Under Contract or Agreement. Offeror / Bidder agrees to comply with all applicable provisions of 37 CFR Part 401.
- D. Clean Air Act, Federal Water Pollution Control Act, and Energy Policy Conservation Act. Offeror / Bidder agrees to comply with all applicable provisions of the Clean Air Act under 42 USC § 7401 – 7671, the Energy Federal Water Pollution Control Act 33 USC § 1251 – 1387, and the Energy Policy Conservation Act under 42 USC § 6201.
- E. Debarment and Suspension (Executive Orders 12549 and 12689). A contract award (see 2 CFR 180.220) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.
- F. Procurement of Recovered Materials. Per 2 CFR §200.323, the awarded contractor must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at [40 CFR part 247](#) that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.
- G. Restrictions on Lobbying. Offeror / Bidder is prohibited from using monies for lobbying purposes; Offeror / Bidder shall comply with the special provision “Restrictions on Lobbying” found in the attachments to this solicitation.
- H. Drug-Free Workplace. Offeror / Bidder shall provide a drug free workplace in compliance with the Drug Free Workplace Act of 1988.
- I. Civil Rights Compliance.
 - 1. Compliance with Regulations: Offeror / Bidder will comply with the Acts and the Regulations relative to Nondiscrimination in Federally assisted programs.

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2. Nondiscrimination: Offeror / Bidder, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment. Offeror / Bidder will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 45 CFR Part 21.
 3. Solicitations for Subcontracts, Including Procurement of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by Offeror / Bidder for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or Offeror / Bidder will be notified by Offeror / Bidder of obligations under this contract and the Acts and Regulations relative to Nondiscrimination on the grounds of race, color, sex, or national origin.
 4. Information and Reports: Offeror / Bidder will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and facilities as may be determined by to be pertinent to ascertain compliance with such Acts, Regulations or directives. Where any information required of Offeror / Bidder is in the exclusive possession of another who fails or refuses to furnish this information, Offeror / Bidder will so certify to and will set forth what efforts it has made to obtain the information.
 5. Sanctions for Noncompliance: In the event of Offeror / Bidder's noncompliance with the Nondiscrimination provisions of this Agreement, the County will impose such sanctions as it may determine to be appropriate, including, but not limited to: withholding of payments to the Offeror / Bidder under this Agreement until the Offeror / Bidder compiles and/or cancelling, terminating or suspension of this Agreement, in whole or in part.
 6. Incorporation of Provisions: Offeror / Bidder will include the provisions of the paragraphs listed above, in this section 9.13, in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. Offeror / Bidder will take such action with respect to any subcontract or procurement as the County, the State, or the Federal agencies may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if Offeror / Bidder becomes involved in, or is threatened with, litigation with a subcontractor or Offeror / Bidder because of such direction, Offeror / Bidder may request the State to enter such litigation to protect the interests of the State. In addition, Offeror / Bidder may request the United States to enter into such litigation to protect the interests of the United States.
- J. Disadvantaged Business Enterprise Program Requirements. Offeror / Bidder shall not discriminate based on race, color, national origin, or sex in the award and performance of any federally assisted contract or in the administration of its DBE program or the requirements of 49 CFR Part 26. Offeror / Bidder shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure non-discrimination in award and administration of DOT-assisted contracts. Each sub-award or sub-contract must include the following assurance: *The Offeror / Bidder, sub-recipient, or sub-contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. The Offeror / Bidder shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of federally assisted contracts. Failure by the*

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Offeror / Bidder to carry out these requirements is a material breach of this agreement, which may result in the termination of this agreement or such other remedy as the recipient deems appropriate.

- K. Pertinent Non-Discrimination Authorities. During the performance of the awarded contract, Offeror / Bidder, for itself, its assignees, and successors in interest agree to comply with the following nondiscrimination statutes and authorities; including but not limited to:
1. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination based on race, color, national origin); and 49 CFR Part 21.
 2. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects).
 3. Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), as amended, (prohibits discrimination on the basis of sex).
 4. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.) as amended, (prohibits discrimination based on disability); and 49 CFR Part 27.
 5. The Age Discrimination Act of 1975, as amended, (49 U.S.C. § 6101 et seq.), (prohibits discrimination based on age).
 6. Airport and Airway Improvement Act of 1982, (49 U.S.C. Chapter 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex).
 7. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all the programs or activities of the Federal-aid recipients, sub recipients and Offeror / Bidders, whether such programs or activities are Federally funded or not).
 8. Titles II and III of the Americans with Disabilities Act, which prohibits discrimination based on disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38.
 9. The Federal Aviation Administration’s Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination based on race, color, national origin, and sex).
 10. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations.
 11. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, the parties must take reasonable steps to ensure that LEP persons have meaningful access to the programs (70 Fed. Reg. at 74087 to 74100).
 12. Title IX of the Education Amendments of 1972, as amended, which prohibits the parties from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq.).
- L. Ineligibility to Receive State Grants or Loans or Receive Payment on State Contracts. In accordance with Section 231.006 of the Texas Family Code, a child support obligor who is more than thirty (30) days delinquent in paying child support and a business entity in which

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the obligor is a sole proprietor, partner, shareholder, or owner with an ownership interest of at least twenty-five (25) percent is not eligible to:

1. Receive payments from state funds under a contract to provide property, materials or services; or
2. Receive a state-funded grant or loan

M. Contracting With Small and Minority Businesses, Women's Business Enterprises, and Labor Surplus Area Firms. Per 2 CFR 200.321, the awarded contractor must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible. If subcontracts are to be let, the awarded prime contractor is required to take the affirmative steps listed in this section.

Affirmative steps must include:

1. Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
2. Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
3. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
4. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and
5. Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

N. Domestic Preferences for Procurements. Per 2 CFR 200.322, as appropriate and to the extent consistent with law, the County, to the greatest extent practicable under a Federally funded award, provides a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirement of this section includes all sub awards including all contracts and purchase orders for work or products under this award.

For purposes of this section:

1. "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
2. "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

O. Contract Cost and Price.
Per 2 CFR 200.324:

If the cost of the submittal is in excess of \$250,000.00, the County must negotiate profit as a separate element of the submittal's price. To establish a fair and reasonable profit, the County's consideration

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will be given to the complexity of the work to be performed, the risk borne by the contractor, the contractor's investment, the amount of subcontracting, the quality of its record of past performance, and industry profit rates in the surrounding geographical area for similar work.

The cost plus a percentage of cost and percentage of construction cost methods of contracting must not be used.

P. Records Retention Requirements.
Per 2 CFR 200.333:

When federal funds are expended by COLLIN COUNTY for any contract resulting from this procurement process, Offeror / Bidder certifies that it will comply with the record retention requirements detailed in 2 CFR § 200.333. The Offeror / Bidder further certifies that Offeror / Bidder will retain all records as required by 2 CFR § 200.333 for a period of three years after grantees or sub grantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

Q. Health & Safety Standards:

COLLIN COUNTY requires that all Offeror / Bidders and subcontractors comply with the safety and health standards published in 41 CFR part 50-204, including any matters incorporated by reference therein. Additionally, every Offeror / Bidder or subcontractor shall comply with the recordkeeping requirements of 29 CFR part 1904.

R. Energy Compliance & Conservation Act:

When COLLIN COUNTY expends federal funds for any contract resulting from this procurement process, Offeror / Bidder certifies that it will comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6321 et seq.; 49 C.F.R. Part 18).

S. Buy America Provisions:

Offeror / Bidder certifies that Offeror / Bidder is in compliance with all applicable provisions of the Buy America Act. Purchases made in accordance with the Buy America Act must still follow the applicable procurement rules calling for free and open competition.

T. Access to Records:
Per 2 CFR 200.336:

Offeror / Bidder agrees that the Inspector General of the Agency or any of their duly authorized representatives shall have access to any books, documents, papers and records of Offeror / Bidder that are directly pertinent to Offeror / Bidder's discharge of its obligations under the Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Offeror / Bidder's personnel for the purpose of interview and discussion relating to such documents.

U. Federal Fair Labor Standards Act:

All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA) with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers. The Offeror / Bidder has full responsibility to monitor compliance to the referenced statute or regulation. The Offeror / Bidder must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division.

V. Occupational Safety & Health Act of 1970:

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All contracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Offeror / Bidder must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Offeror / Bidder retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Offeror / Bidder must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor - Occupational Safety and Health Administration.

W. No Use of Department of Homeland Security Seals, Logos, Etc.

Offeror / Bidder shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval

X. Compliance with Federal Law, Regulations & Executive Orders:

FEMA financial assistance or other State and Federal Assistance may be used to fund all or a portion of the contract. The Offeror / Bidder will comply with all applicable Federal and state law, regulations, executive orders, policies, procedures, and directives.

Y. No Obligation by Federal Government:

The Federal Government is not a party to this Contract and is not subject any obligations or liabilities to the non-Federal entity, Offeror / Bidder, or any other party pertaining to any matter resulting from the Contract.

Z. Program Fraud & False or Fraudulent Statements or Related Acts:

The Offeror / Bidder acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Offeror / Bidder's actions pertaining to this contract.

AA. Entity List:

By responding to the solicitation, The Offeror / Bidder acknowledges it is not on the Department of Commerce's Export Administration Regulations (EAR)'s list of names of certain foreign persons – including businesses, research institutions, government and private organizations, individuals, and other types of legal persons – that are subject to specific license requirements for the export, reexport and/or transfer (in-country) of specified items. These persons comprise the Entity List, which is found in Supplement No. 4 to Part 744 of the EAR. On an individual basis, the persons on the Entity List are subject to licensing requirements and policies supplemental to those found elsewhere in the EAR. If the Offeror / Bidder is on the Entity List, then it shall provide documents showing it has the necessary license to fulfill the requirements of the Solicitation.

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

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Attachment I not required. Complete and submit if applicable to your firm.

ATTACHMENT I: CERTIFICATION REGARDING THE USE OF PROJECT LABOR AGREEMENTS FOR FEDERAL CONSTRUCTION PROJECTS

I, _____, [Person Name] the undersigned representative of

_____ [Company or Business Name]
(hereafter referred to as Company) being an adult over the age of eighteen (18) years of age, does hereby
depose and verify that the Company named above, acknowledge and certify the following requirements
relating to Required Project Labor Agreement(s):

Notice of Requirement for Project Labor Agreement (May 2010)

(a) Definitions. "Labor organization " and "project labor agreement," as used in this provision, are defined in the clause of this solicitation entitled Project Labor Agreement.

(b) The apparent successful offeror shall negotiate a project labor agreement with one or more labor organizations for the term of the resulting construction contract.

(c) Consistent with applicable law, the project labor agreement reached pursuant to this provision shall-

(1) bind the offeror and all subcontractors engaged in construction on the construction project to comply with the project labor agreement;

(2) allow the offeror and all subcontractors to compete for contracts and subcontracts without regard to whether they are otherwise parties to collective bargaining agreements;

(3) contain guarantees against strikes, lockouts, and similar job disruptions;

(4) set forth effective, prompt, and mutually binding procedures for resolving labor disputes arising during the term of the project labor agreement;

(5) provide other mechanisms for labor-management cooperation on matters of mutual interest and concern, including productivity, quality of work, safety, and health; and

(6) fully conform to all statutes, regulations, Executive orders, and agency requirements.

(d) Any project labor agreement reached pursuant to this provision does not change the terms of this contract or provide for any price adjustment by the Government.

(e) The apparent successful offeror shall submit to the Contracting Officer a copy of the project labor agreement prior to contract award

Signature: _____ Date: _____

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ATTACHMENT II: CERTIFICATION REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;
2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;
3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,
4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

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ATTACHMENT III: CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge or belief, that:

1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification or any federal contract, grant, loan, or cooperative contract; and
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying”, in accordance with the instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

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ATTACHMENT IV: DRUG-FREE WORKPLACE CERTIFICATION

The _____ (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the

_____ (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statute in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statute or requires such employee to participate in a drug abuse assistance or rehabilitation program.

(Acknowledgement Follows)

00 41 00 BID FORM [AD 6]

**ATTACHMENT IV:
DRUG-FREE WORKPLACE CERTIFICATION**

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

ATTACHMENT V: CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST

The undersigned certifies that, to the best of his or her knowledge or belief, that:

“No employee of the contractor, no member of the contractor’s governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the Collin County local government, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the County, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the County Council shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents”.

No officer, employee or paid consultant of the contractor is a member of the County.

No officer, manager or paid consultant of the contractor is married to a member of the

County. No member of County directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the County receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the Collin County any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the County as it relates to this contract.

(Acknowledgement Follows)

00 41 00 BID FORM [AD 6]

**ATTACHMENT V:
CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST**

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

ATTACHMENT VI: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

ATTACHMENT VII: CERTIFICATION OF GOOD STANDING TEXAS CORPORATE FRANCHISE TAX CERTIFICATION

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:

_____ The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

_____ The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation):

Sole Proprietor

Partnership

Other

Pursuant to Article 2.45, Texas Business Corporation Act, the Collin County reserves the right to request information regarding state franchise tax payments.

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

ATTACHMENT VIII: HISTORICALLY UNDERUTILIZED BUSINESSES, MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process. For documentation, an Offeror / Bidder who is a HUB should identify themselves and submit a copy of their certification.

The County recognizes the certifications of the State of Texas Program. Companies seeking information concerning HUB certification are urged to contact:

State of Texas HUB Program
Texas Comptroller of Public Accounts
Lyndon B. Johnson State Office Building
111 East 17th Street
Austin, Texas 78774
(512) 463-6958
<http://www.window.state.tx.us/procurement/prog/hub/>

Submitter must include a copy of its HUB certification documentation as part of this solicitation.
If your company is already certified, attach a copy of your certification to this form and return with your proposal.

Indicate all that apply:

_____ Minority-Owned Business Enterprise

_____ Women-Owned Business Enterprise

_____ Disadvantaged Business Enterprise

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

ATTACHMENT IX: FINANCIAL RESPONSIBILITY PROVISIONS

Offeror / Bidder makes the following representation as required in the RFP:

1. Offeror / Bidder's Financial Responsibility Provisions

- A. Insurance: The Offeror / Bidder certifies, consistent with its status as an independent contractor, shall carry, and shall require any of its subcontractors to carry, at least the following insurance in such form, with such companies, and in such amounts (unless otherwise specified) as County may require:
- i. Worker's Compensation and Employer's Liability insurance, including All States Endorsement, to the extent required by federal law and complying with the laws of the State of Texas;
 - ii. Commercial General Liability insurance, including Blanket Contractual Liability, Broad Form Property Damage, Personal Injury, Completed Operations/Products Liability, Premises Liability, Medical Payments, Interest of Employees as additional insureds, and Broad Form General Liability Endorsements, for at least One Million Dollars (\$1,000,000) Combined Single Limit Bodily Injury and Property Damage on an occurrence basis;
 - iii. Comprehensive Automobile Liability insurance covering all owned, non-owned or hired automobiles to be used by the Contractor, with coverage for at least One Million Dollars (\$1,000,000) Combined Single Limit Bodily Injury and Property Damage.
- B. The awarded Offeror / Bidder will be required to provide a current certificate of insurance to the County prior to execution of any agreement.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the insurance requirements for the submission. Offeror / Bidder also understands that the evidence of required insurance may be requested to be submitted following notification of its offer being accepted; otherwise, the County may rescind its acceptance of the Offeror / Bidder's proposal.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

ATTACHMENT X: CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

The undersigned certifies that, to the best of his or her knowledge or belief, that:

If this contract is a federally assisted construction contract” as defined under [41 CFR Part 60-1.3](#), the following clause is incorporated into the contract:

The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at [41 CFR Chapter 60](#), which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the following equal opportunity clause:

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

00 41 00 BID FORM [AD 6]

ATTACHMENT X: CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

00 41 00 BID FORM [AD 6]

ATTACHMENT X: CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings

Acknowledgment

By signing its submission, Offeror / Bidder acknowledges that it has read and understands the above requirements.

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]

APPENDIX XI: PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT CERTIFICATION

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment. Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g. phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country.

The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

The Contractor hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

Acknowledgment

Name of Company: _____

Printed Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

00 41 00 BID FORM [AD 6]



ARPA Grant Funding Questionnaire

General Contractors will respond to the following questions and submit this form with each pay application during the project. All contractors and subcontractors on this project will follow the Texas prevailing-wage-in-construction laws (commonly known as “baby Davis-Bacon Acts”), and pay the prevailing wages as shown in the contract. This project does not require a pre-hire collective bargaining agreement.

1. Do you intend to certify that “all laborers and mechanics employed by you in the performance of this project are paid wages at rates not less than those prevailing, as determined by the U. S. Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code (commonly known as the “Davis-Bacon Act”), for the corresponding classes of laborers and mechanics employed on projects of a character similar to the contract work in the civil subdivision of the state (or District of Columbia) in which the work is to be performed, or by the appropriate state entity pursuant to a corollary state prevailing-wage-in-construction law (commonly known as “baby Davis-Bacon Acts”). (Yes/No)
2. Do you intend to sign a project labor agreement, meaning a pre-hire collective bargaining agreement consistent with section 8(f) of the National Labor Relations Act (29U.S.C. 158(f).” (Yes/No)
3. If the answer to #2 is No, will you ensure that the project has ready access to a sufficient supply of skilled and unskilled labor, with proper licensing and experience, throughout the life of the project? (Yes/No) List any certifications or licensing you require.
4. If the answer to #2 is No, what is your plan to minimize the risk of labor disputes that would jeopardize the timeliness and cost effectiveness of the project?
5. If the answer to #2 is No, how will you provide a safe and healthy workplace that avoids delays and costs associated with workplace illnesses, injuries, and fatalities, including descriptions of safety training, certification (e.g. OSHA 10, OSHA 30);?
6. If the answer to #2 is No, will workers on the project receive wages and benefits that will secure an appropriately skilled workforce in the context of the local and regional labor market? (Yes/No)
7. Does the project prioritize local hires? (Yes/No)

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: CML Security, LLC

Project No: CSP 2023-398

Project: CCADF Medical Mental Health Expansion

Section: 013513.16

Article/ Paragraph: 1.3 / A

Proposed Substitution: CML Security, LLC

Manufacturer: N/A Address: 1785 W. 160th Ave., Ste. 700, Broomfield, CO 80023

Telephone: 720-466-3650 Proposed Model No.: N/A

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Tommy Thoene

Signed: 

Firm: CML Security, LLC

Address: 1785 W. 160th Ave., Ste. 700

Phone: 720-466-3650

Broomfield, CO 80023

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/8/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: **HVAC Rep Enterprises through Sedalco**

Project No: **IFB 2023-188**

Project: **IFB 2023-188, Construction: CCADE Infirmiry Expansion**

Section: **23 52 00 Heating Boilers**

Article/ Paragraph: **2.1 A.**

Proposed Substitution: **Add Bosch as a substitute equal**

Manufacturer: **Bosch**

Address: **38000 Hills Tech Drive
Farmington Hills, MI**

Telephone: **866-642-3198**

Proposed Model No.: **See attached Cut Sheets**


Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: **Ty Sefton - President**

Signed: 

Firm: **HVAC Rep Enterprises**

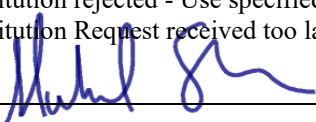
Address: **PO Box 1027**

Phone: **972-661-9090**

Prosper, TX 75078

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: 

Date: **December 7, 2023**

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: HVAC Rep Enterprises through Sedalco

Project No: IFB 2023-188

Project: IFB 2023-188, Construction: CCAFDF Infirmiry Expansion

Section: 23 73 23 Multi-Zone Air Handling Units

Article/ Paragraph: 2.1 A.

Proposed Substitution: Add Climate Craft as a substitute equal manufacturer

Manufacturer: Climate Craft

Address: 1451 NW 3rd St, Oklahoma City, OK 73106

Telephone: 405-415-9230

Proposed Model No.: Custom

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Ty Sefton - President

Signed: 

Firm: HVAC Rep Enterprises

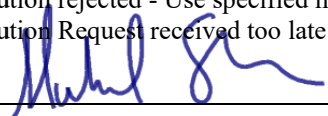
Address: PO Box 1027

Phone: 972-661-9090

Prosper, TX 75078

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: 

Date: December 7, 2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: HVAC Rep Enterprises through Sedalco

Project No: IFB 2023-188

Project: IFB 2023-188, Construction: CCADE Infirmiry Expansion

Section: 23 81 49 Variable Refrigerant Air Conditioning Systems

Article/ Paragraph: 2.1 D.

Proposed Substitution: Add Samsung as a substitute equal

Manufacturer: Samsung

Address: 776 Henrietta Creek Road Suite 100, Roanoke, TX 76262

Telephone: 817-838-6066

Proposed Model No.: See attached Submittal Package

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Ty Sefton - President

Signed: 

Firm: HVAC Rep Enterprises

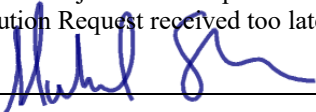
Address: PO Box 1027

Phone: 972-661-9090

Prosper, TX 75078

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: 

Date: December 7, 2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: HVAC Rep Enterprises through Sedalco

Project No: IFB 2023-188

Project: IFB 2023-188, Construction: CCADEF Infirmarary Expansion

Section: 10 82 15 Roof Screens

Article/ Paragraph: 2.2 A.

Proposed Substitution: Add Architectural Louvers as a named equal manufacturer

Manufacturer: Architectural Louvers

Address: 266 W Mitchell Ave, Cincinnati, OH 45232

Telephone: 888-568-8371

Proposed Model No.: See attached Schedule & Cut Sheets

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Ty Sefton - President

Signed: 

Firm: HVAC Rep Enterprises

Address: PO Box 1027

Phone: 972-661-9090

Prosper, TX 75078

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/6/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: _____

Project No: **IFB 2023-188**

Project: **IFB 2023-188, Construction: CCADE Infirmiry Expansion**

Section: 079513, detail A531

Article/ Paragraph: Details (1,2,7/A531)

Proposed Substitution: ALCP-Series

Manufacturer: Erie Metal Specialties, Inc. Address: 13311 Main Rd., Akron, NY 14001

Telephone: (716) 542-3991

Proposed Model No.: ALCP

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Nicole DiChristina

Signed: *Nicole DiChristina*

Firm: Erie Metal Specialties, Inc.

Address: 13311 Main Rd., Akron, NY 14001

Phone: (716) 542-3991

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/5/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

ALCP-Series

Description

The ALCP-Series aluminum cover plates are designed especially for areas where no flooring material is used. The cover plate bridges the joint gap with minimal preparation for maximum protection. All of the cover plate selections are compliant with ADA requirements.

The ALCP Series is made from 6061-T6 aluminum alloy that is secured on one side of the floor by pre-drilled, countersunk holes, anchored into the concrete.

Recommended areas for use include warehouses, manufacturing facilities, retail spaces, and stock rooms, where the finished floor is concrete. Additionally, they are used in architectural applications where the cover plate must provide safe passage over expansion joint voids and must also accent the interior application.

Optional accents such as color anodize and EPDM-looped moisture barriers are available.

LEED Credits - One (1) LEED credit depending on the location of the project.

Features and Benefits

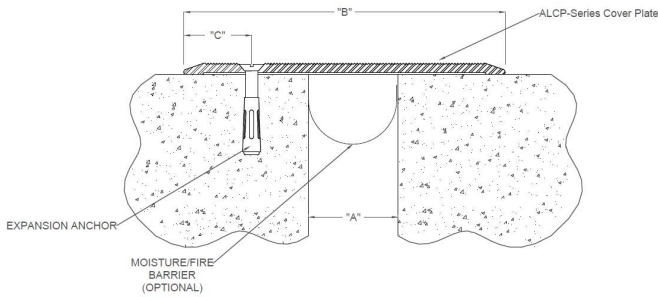
Ease of Installation – The layout of the anchor holes along the edge of the plate is a simple process. String line a straight edge parallel to the joint opening. Align the plate holes over the center of the string line and match drill for the anchors. Remove the plate. Clean out all the dust and debris. Place plate into position and install anchors.

Designed For Top Mount or Recessed – Either application may be accommodated. Each side has the required ADA slope for the thickness of the plate used.

Tested To ASTM D-1399 – The design was tested in compression, tension, and deflection for 500 cycles. No loss of anchors was noted.

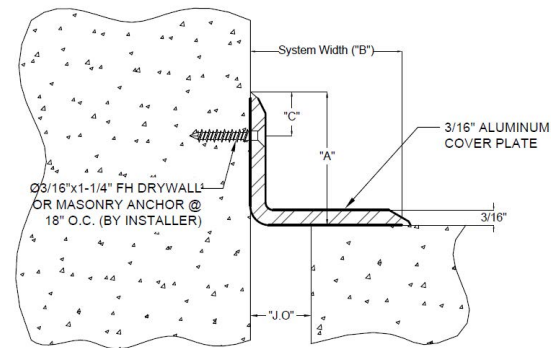
Meets ADA Dictates – The ALCP Series profiles are engineered to meet ADA standards for pedestrian concerns.

Floor-to-Floor



PRODUCT	Joint Size "A" @ Install IN (MM)	Max Width "A" at Install IN (MM)	Total Movement IN (MM)	System Width "B" IN (MM)	"C" IN (MM)
ALCP-100	1.00" (25)	1.50" (38)	1.00" (25)	4.00" (102)	0.75" (19)
ALCP-200	2.00" (51)	4.00" (102)	3.50" (89)	6.00" (152)	1.00" (25)
ALCP-300	3.00" (76)	7.00" (178)	5.50" (140)	8.00" (203)	1.25" (32)
ALCP-400	4.00" (102)	8.00" (203)	6.00" (152)	10.00" (254)	1.25" (32)
ALCP-500	5.00" (127)	10.00" (254)	9.00" (229)	12.00" (305)	1.25" (32)
ALCP-600 (Traffic Grade)	6.00" (152)	12.00" (305)	10.00" (254)	14.00" (356)	1.50" (38)

Floor-to-Wall



PRODUCT	System Height "A" IN (MM)	Joint Size "J.O." at Mean T°F	Total Movement IN (MM)	System Width "B" IN (MM)	"C" IN (MM)
ALCPW-100	2.00" (50.8)	1.00" (25)	2.00" (50.8)	2.00" (50.8)	0.75" (19)
ALCPW-200	2.00" (50.8)	2.00" (50.8)	4.00" (102)	3.50" (88.9)	0.75" (19)
ALCPW-300	2.00" (50.8)	3.00" (76)	6.00" (152)	5.00" (127)	0.75" (19)
ALCPW-400	2.00" (50.8)	4.00" (102)	8.00" (203)	6.50" (165.1)	0.75" (19)
ALCPW-600	2.00" (50.8)	6.00" (152)	12.00" (305)	9.50" (241.3)	0.75" (19)

ALCP-Series (Aluminum Cover Plate)

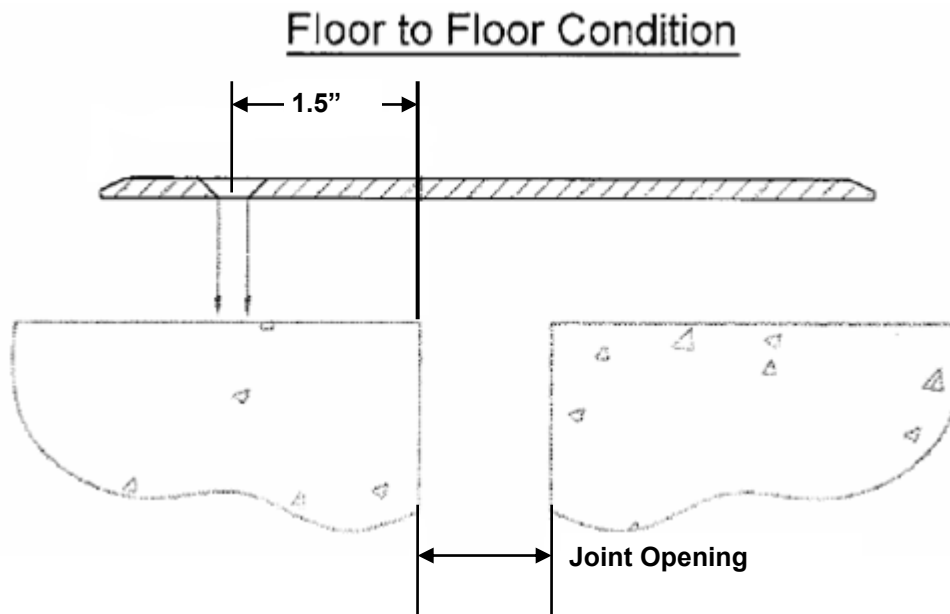
INSTALLATION INSTRUCTIONS

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of the aluminum cover plate system the following must be completed by the installing contractor. Failure to do so will affect product warranty.

Material Preparation

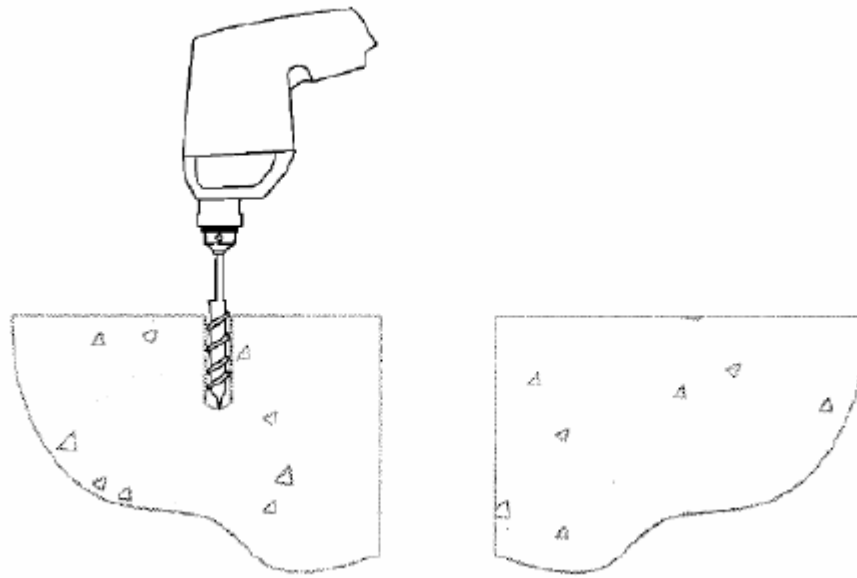
1. Carefully read and understand installation procedure. Contact Technical Service Department (716-542-3991) for product assistance.
2. Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service (716-542-3991) with order number for prompt assistance.
3. Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.

Material Installation

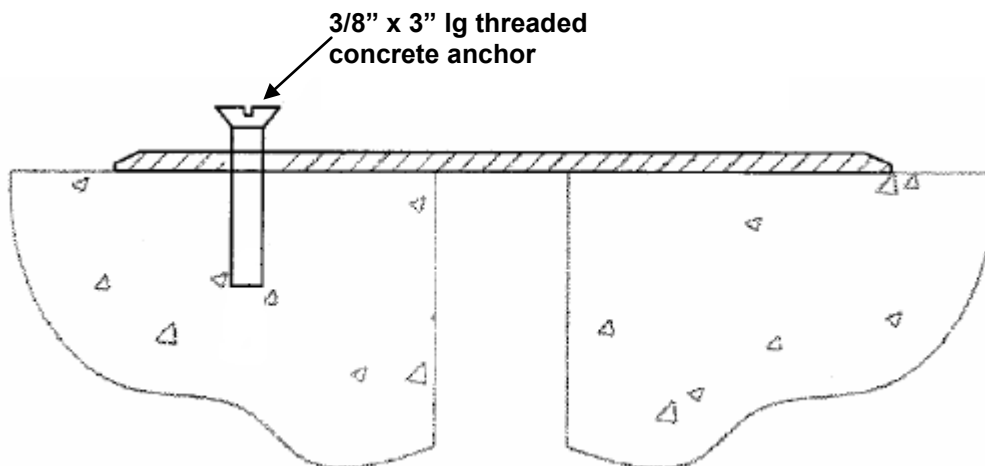


1. Position aluminum cover plate as shown and mark location for 3/8" dia anchor.

Material Installation



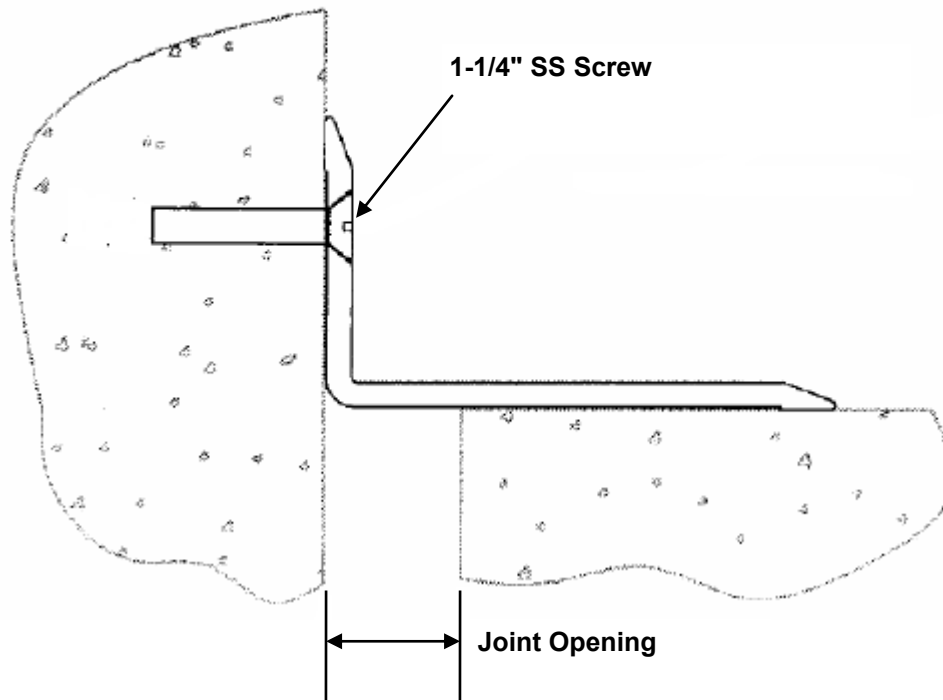
2. Drill and clean out holes for 3/8" dia threaded concrete anchor spaced at 12" O.C. Fill hole with two- part epoxy (supplied by others).



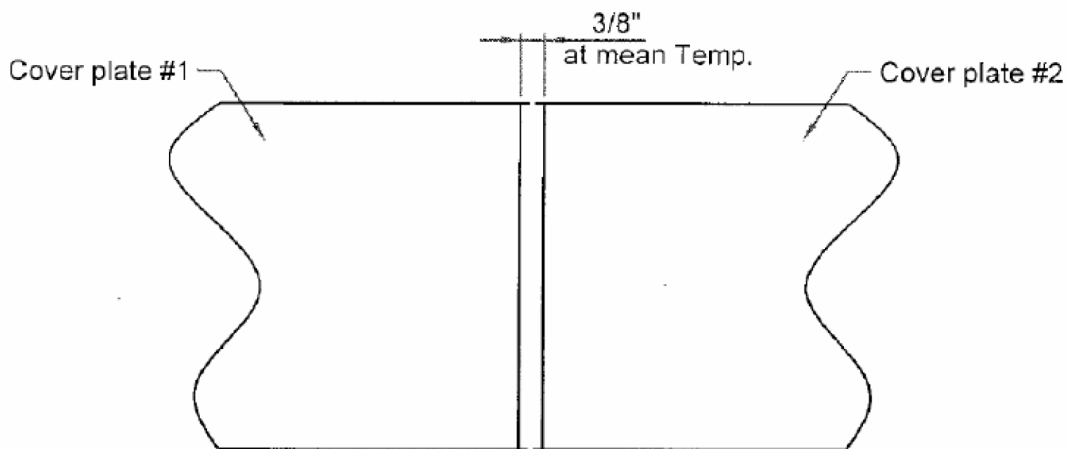
3. After holes have been filled with epoxy, insert 3/8" threaded concrete anchors into aligned holes and fasten coverplate to finished floor surface.

Material Installation

Corner Condition



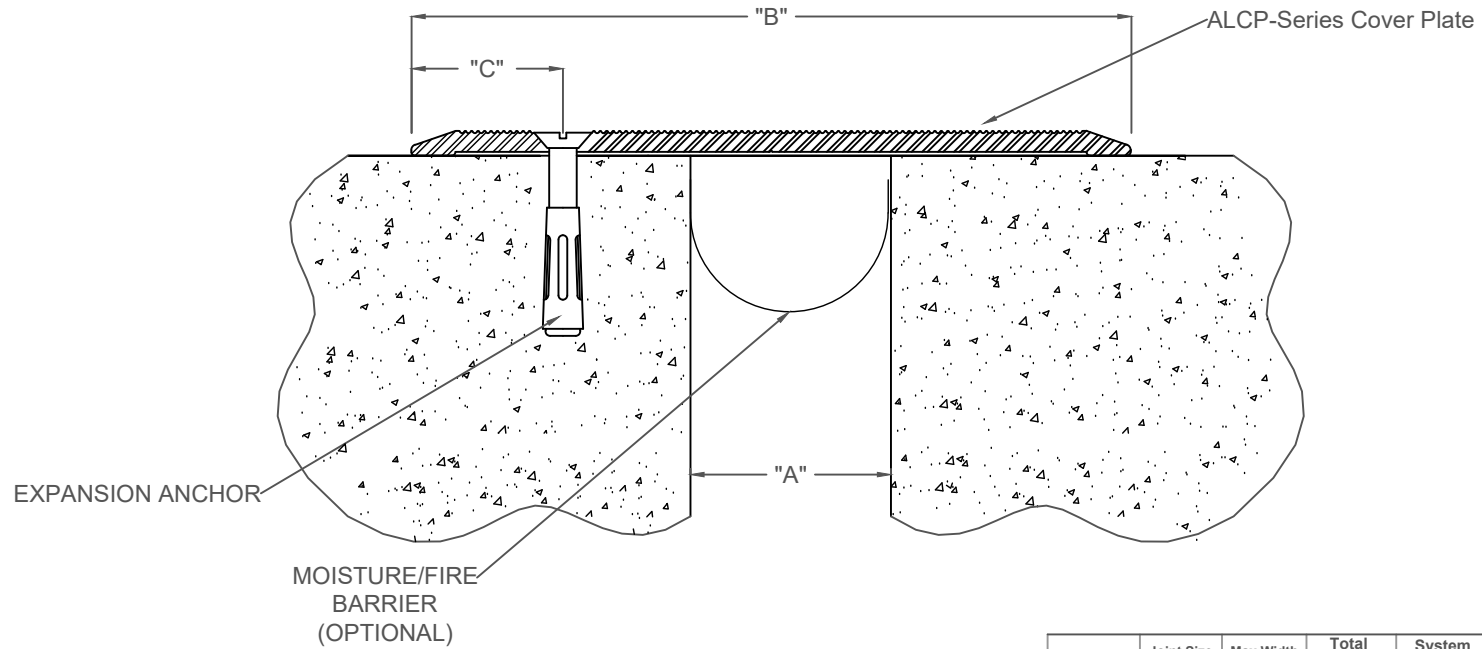
4. For corner condition—Following same procedure as for floor-to-floor installation, except use cover plate for floor-to-wall condition.



5. **Exterior Installation:**

At 50' increments, leave 3/8" gap to allow for thermal expansion of coverplate. This is done to ensure that the coverplate has enough room for thermal expansion/contracting and will not warp the coverplate.





FLOOR-TO-FLOOR SURFACE APPLICATION

EXPOSED FINISH: MILL
 MOVEMENT: +/- 100% JOINT WIDTH
 STOCK LENGTHS: 10'0"

PRODUCT	Joint Size "A" @ Install IN (MM)	Max Width "A" at Install IN (MM)	Total Movement IN (MM)	System Width "B" IN (MM)	"C" IN (MM)
ALCP-100	1.00" (25)	1.50" (38)	1.00" (25)	4.00" (102)	0.75" (19)
ALCP-200	2.00" (51)	4.00" (102)	3.50" (89)	6.00" (152)	1.00" (25)
ALCP-300	3.00" (76)	7.00" (178)	5.50" (140)	8.00" (203)	1.25" (32)
ALCP-400	4.00" (102)	8.00" (203)	6.00" (152)	10.00" (254)	1.25" (32)
ALCP-500	5.00" (127)	10.00" (254)	9.00" (229)	12.00" (305)	1.25" (32)
ALCP-600 (Traffic Grade)	6.00" (152)	12.00" (305)	10.00" (254)	14.00" (356)	1.50" (38)

NO.	Description	Date	By
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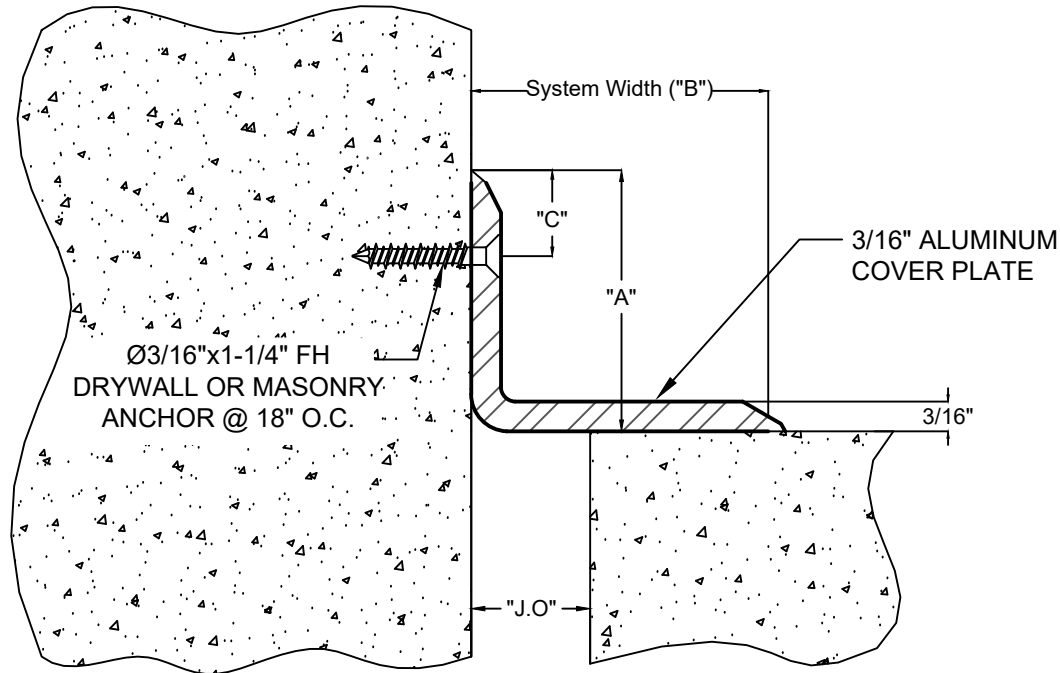


13311 Main Road * Akron * New York * 14001
 Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT: Floor-to-Floor Installation

TITLE: ALCP-Series Cover Plate

Detailed by: BAF	Date: 6/20/17
Checked by: SLP	Date: 6/20/17
Scale: NTS	EMS Job #:
Sheet No.: 1 of 1	Drawing No.: ALCP-001



FLOOR-TO-WALL SURFACE APPLICATION

EXPOSED FINISH: MILL

MOVEMENT: +/- 100% JOINT WIDTH

STOCK LENGTHS: 10'0"

PRODUCT	System Height "A" IN (MM)	Joint Size "J.O." at Mean T°F	Total Movement IN (MM)	System Width "B" IN (MM)	"C" IN (MM)
ALCPW-100	2.00" (50.8)	1.00" (25)	2.00" (50.8)	2.00" (50.8)	0.75" (19)
ALCPW-200	2.00" (50.8)	2.00" (50.8)	4.00" (102)	3.50" (88.9)	0.75" (19)
ALCPW-300	2.00" (50.8)	3.00" (76)	6.00" (152)	5.00" (127)	0.75" (19)
ALCPW-400	2.00" (50.8)	4.00" (102)	8.00" (203)	6.50" (165.1)	0.75" (19)
ALCPW-600	2.00" (50.8)	6.00" (152)	12.00" (305)	9.50" (241.3)	0.75" (19)

NO.	Description	Date	By

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13311 Main Road * Akron * New York * 14001
 Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT: Floor-to-Wall Installation

TITLE: ALCPW-Series Cover Plate

Detailed by: BAF	Date: 6/20/17
Checked by: SLP	Date: 6/20/17
Scale: NTS	EMS Job #:
Sheet No.: 1 of 1	Drawing No.: ALCPW-001

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: _____

Project No: **IFB 2023-188**

Project: **IFB 2023-188, Construction: CCADE Infirmiry Expansion**

Section: 079513, detail A531

Article/ Paragraph: Details (7/A531)

Proposed Substitution: BS25-Series

Manufacturer: Erie Metal Specialties, Inc. Address: 13311 Main Rd., Akron, NY 14001

Telephone: (716) 542-3991 Proposed Model No.: BS25

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Nicole DiChristina

Signed: *Nicole DiChristina*

Firm: Erie Metal Specialties, Inc.

Address: 13311 Main Rd., Akron, NY 14001

Phone: (716) 542-3991

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/5/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

BS25-Series

Description

The BS25-Series Foam Seal is composed of a high density, open micro-cell polyurethane foam impregnated with a hydrophobic, flame retardant, modified acrylic. The seal provides a waterproof, dustproof, airtight, UV stable, chemically resistant, soundproof, and insulated urethane primary seal.

The seal is designed to work under its own constant internal pressure to provide a permanent, watertight seal eliminating costly water damage, as well as allowing for a greater degree of joint movement.

Once the BS25 seal is installed in the joint, the material expands (depending on the temperature) adapting to the width of the joint and the irregularities of the substrate provided such profile changes are not sudden or extreme.



Physical Properties

Table 1 – Physical properties of BS25

Properties	Result
Thermal Conductivity	0.05 W/m. °C
Thermal Resistance	ASTM C 518, 3.3 hr-°F-ft ² /Btu
Temperature Stability Range	-40° F to 212° F
Tensile Strength	ASTM 3574, meets 21 psi min.
Ultimate Elongation	125% +/- 20%
Resistance to Compression Set	ASTM 3574, Max. 2.5%
Shear Strength	Min. 8N/cm ²
Mildew Resistance	UL 94VO, Excellent
UV Resistance	Excellent
Flammability	ASTM E84, Self extinguishing Flame Spread 0
Flash Point	ASTM E331, 590°F (310°C)
Water Resistance	ASTM E547, 12 psf

Features and Benefits

- Can accommodate rapid rates of joint movement
- Excellent compression recovery
- Permanently elastic and weather-tight
- Resists stretching and twisting during installation due to the Polyester scrim in the PSA (Pressure Sensitive Adhesive)
- Allows for up to 50% (±25%) movement
- Available in varying depths per size (contact manufacturer for more information)
- Not based on asphaltic or bitumastic impregnation
- Paintable with water-based paints.
- Standard Colors: Black and Concrete Gray
- Sizes available in 1/4" increments
- **LEED Credits** - Up to two (2) LEED credits depending on the location of the project.

PRODUCT	MIN. WIDTH IN (MM)	MID-RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
BS25-013	0.09" (2.3)	0.13" (3.3)	0.16" (4.1)	0.07" (1.8)
BS25-025	0.19" (4.8)	0.25" (12.7)	0.31" (7.9)	0.13" (3.3)
BS25-050	0.38" (9.5)	0.50" (12.7)	0.63" (15.9)	0.25" (6.4)
BS25-075	0.56" (14.2)	0.75" (19.1)	0.94" (23.9)	0.38" (9.7)
BS25-100	0.75" (19.1)	1.00" (25.4)	1.25" (31.8)	0.50" (12.7)
BS25-200	1.50" (38.1)	2.00" (50.8)	2.50" (63.5)	1.00" (25.4)
BS25-300	2.25" (57.2)	3.00" (76.2)	3.75" (95.3)	1.50" (38.1)
BS25-400	3.00" (76.2)	4.00" (101.6)	5.00" (127.0)	2.00" (50.8)
BS25-500	3.75" (95.3)	5.00" (127.0)	6.25" (158.8)	2.50" (63.5)
BS25-600	4.50" (114.3)	6.00" (152.4)	7.50" (190.5)	3.00" (76.2)
BS25-700	5.25" (133.4)	7.00" (177.8)	8.75" (222.3)	3.50" (88.9)
BS25-800	6.00" (152.4)	8.00" (203.2)	10.00" (254.0)	4.00" (101.6)



BS25-Series

INSTALLATION INSTRUCTIONS

Material Application

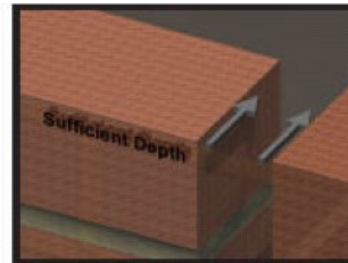
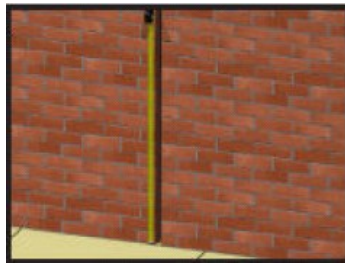
For use in **horizontal and vertical joints**.

Recommended Tools

- Tape Measure
- Sharp Knife
- Miter Saw
- Blue Painters Tape
- Clean Cloth
- Isopropyl Alcohol
- Caulking Tool
- Wood Wedges
- Mineral Spirits

Material Sizing

1. Joints must be sized every 5-7 feet (1.524-2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material.



NOTE: Allow sufficient depth for the material to be recessed 1/8"–1/4" in the joint.

Material Preparation

1. Store material at a minimum of 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.

TIP: Material will expand faster when hot and slower when cold. In cold temperatures, store material in a heated area 24 hours prior to installation. In hot temperatures, store material out of direct sunlight and not in an enclosed storage container where temperatures may exceed 100°F.

2. Store materials in a dry, enclosed area. Make sure materials are off the ground and out of direct sunlight.
3. (Stick Material) – Do not make any cuts until ready to install the material. Use a miter saw to make any cuts to the seal before removing the clear shrink packing. All starting and ending pieces must be square to the termination point.

WARNING: Install the material directly after removing the shrink packaging to ensure the material does not expand past the joint opening.

4. Use a sharp knife to make any cuts after the clear shrink packaging and wooden boards have been removed.



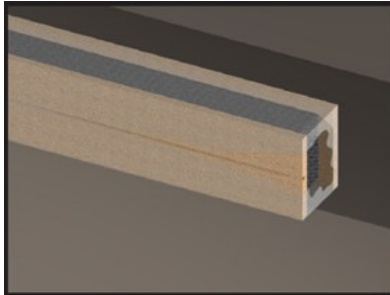
TIP: Apply mineral spirits to the knife for a smoother cut.

Joint Preparation

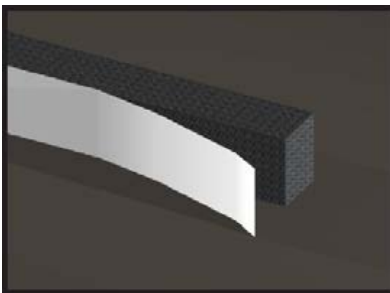
1. Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant.
 - a. Use compressed air to clean any loose debris from the joint.
 - b. Apply water or alcohol to a clean cloth and wipe the joint walls to the depth of the sealant materials plus 1”.
 2. Verify that the joint is uniform and repair any spalls prior to installation.
 3. Apply blue painters tape to both edges of the substrate face to prevent the silicone from contacting the deck surface.
 4. Check the material for appropriate length, width, and depth.
 - a. Supplied material should be approx. 25% larger but never less than 12% larger than the intended joint opening.
 - b. Joint depth must allow for the installed material to be recessed 1/8” - 1/4” from the joint face.
-

Sealant Installation (STICKS)

1. When fully prepared to install, cut the shrink packaging along the edge of the Masonite strapping.



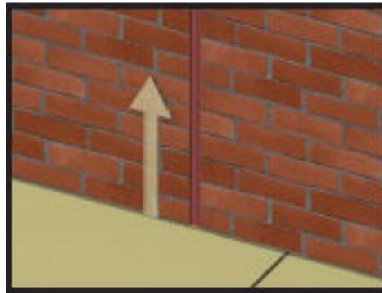
2. Verify that the material is cut square at both ends for proper seams. All pieces must be square to the termination point.
3. Remove the white release liner on both sides of the BS25-series foam seal.



Sealant Installation (STICKS)

4. For joints that run horizontal, begin installing the material at one side of the joint (either side) and continue to install the material working towards the opposite end. For vertical joints, begin installation at the bottom of the joint and work upward.
 - a. The installed sticks will support the subsequent sticks until the material fully expands.

TIP: To ensure an aesthetic finish, verify that the silicone adhesive matches the color on the face of the joint sealant.



5. Run a 1/4" bead of the supplied silicone adhesive along both joint walls approx. 1/2" – 3/4" back from the surface of the joint substrate.

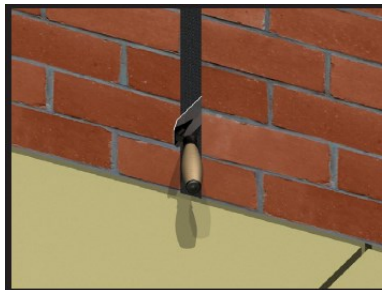
NOTE: When a continuous joint cannot be finished, the silicone on the substrate should stop at the last stick installed and silicone should not be applied to the end of the installed material until the next piece of material is ready to be installed.

WARNING: Do not twist or pull the material to avoid tearing the white release liner.

6. Place the material into the joint while gently pushing the pressure sensitive adhesive (PSA) up against the side of the joint. Once the material is in place, use a margin trowel to firmly press the adhesive to the substrate and allow the material to expand to fill the joint.

TIP: If the PSA is hampering installation, use a spray bottle to wet the adhesive surface of the seal (will not affect the final sealing properties).

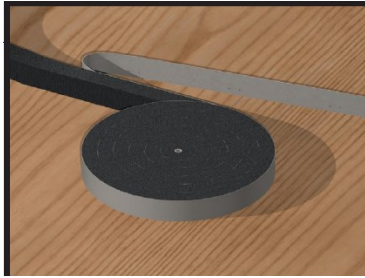
WARNING: Allow 72 hours for full expansion and material equalization. Expansion and equalization rates are affected by temperature.



7. Silicone coating should be flush with, not protruding above, the substrate surface.

Sealant Installation (ROLLS)

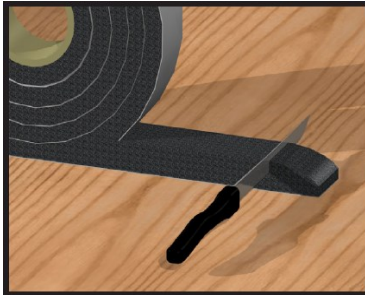
1. When fully prepared to install, remove the outer lining surrounding the joint material. Be prepared to install the material immediately once the liner is removed to prevent the material from expanding past the joint width.



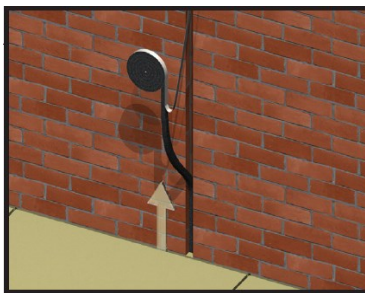
TIP: Material will expand faster when hot and slower when cold. In cold temperatures, store the material in a heated area 24 hours prior to installation. In hot temperatures, store material out of direct sunlight and not in an enclosed storage container where temperatures may exceed 100° F.

2. Cut off the first and last 1” – 2” of material using a sharp knife. Verify that the material is cut square at both ends for proper seams. All pieces must be square to the termination point.

TIP: Mineral spirits can be applied to the blade for a smoother cut.

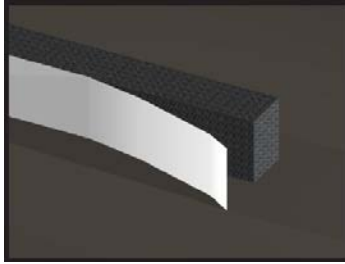


3. If the joint runs horizontal, begin installing the material at one side of the joint (either side) and continue to install the material working towards the opposite end. For vertical joints begin installation at the bottom of the joint and work upward.



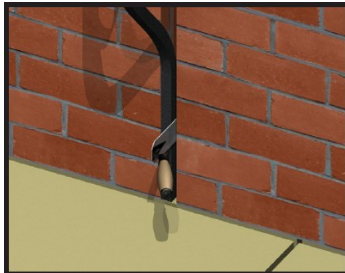
Sealant Installation (ROLLS)

4. Remove the white release liner as the material is installed.



5. Place the material into the joint while gently pushing the pressure sensitive adhesive (PSA) up against the side of the substrate. Once the material is in place, use a margin trowel to firmly press the adhesive to the substrate and allow the material to expand to fill the joint.

NOTE: If the PSA is hampering installation, apply a small amount of isopropyl alcohol or a mist of water to the adhesive side of the material. This will not impact the final sealing properties. Also, If the PSA is not sticking to the substrate, use wooden wedges to hold the material in place while the material expands. Once the material has expanded, the wedges can be removed.

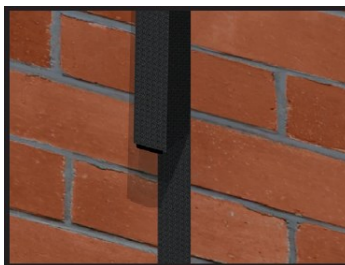


WARNING: Allow 72 hours for full expansion and material equalization. Expansion and equalization rates are affected by temperature. Material will expand faster when hot and slower when cold.

Seams

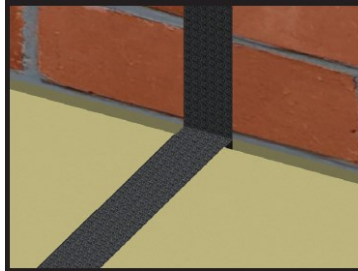
Butt Seams:

1. Verify that the new piece of material is cut square and not at an angle to the previous installed piece.
2. Overlap extra material (approx. 1/2" -1") at seams and splices to ensure that the seam is in compression after installation.



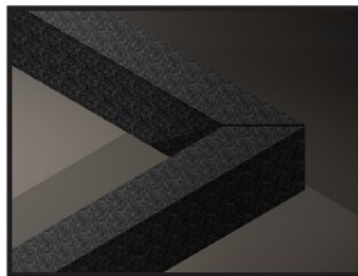
Seams

3. 'T' and '+' intersections
 - a. Install horizontal material first.
 - b. Butt the vertical material up to the horizontal material following steps 1 & 2.



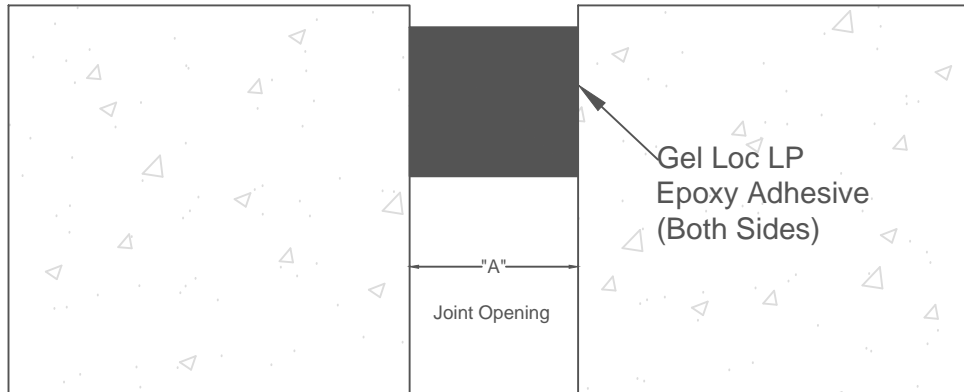
Miter Seams:

1. For joint corners, seam the material using a 45° angle cut.



Finish

1. Allow 72 hours for full expansion and material equalization.
2. **Use the matching silicone to run a bead along each edge of the joint to fill any irregularities in the substrate.**



BS25-SERIES
Slab to Slab Condition

* Sizes available in 0.25" increments and up to 8".
Contact EMS for additional information.

PRODUCT	"A" Min. Width IN (MM)	"A" Mid Range IN (MM)	"A" Max. Width IN (MM)	Total Movement IN (MM)
BS25-013	0.09" (2.3)	0.13" (3.3)	0.16" (4.1)	0.07" (1.8)
BS25-025	0.19" (4.8)	0.25" (6.4)	0.31" (7.9)	0.13" (3.3)
BS25-050	0.38" (9.5)	0.50" (12.7)	0.63" (15.9)	0.25" (6.4)
BS25-075	0.56" (14.2)	0.75" (19.1)	0.94" (23.9)	0.38" (9.7)
BS25-100	0.75" (19.1)	1.00" (25.4)	1.25" (31.8)	0.50" (12.7)
BS25-200	1.50" (38.1)	2.00" (50.8)	2.50" (63.5)	1.00" (25.4)

NO.	Description	Date	By
<small>The information contained herein is the proprietary property of ERIE METAL SPECIALTIES, INC. No portion of it may be reproduced by any means or used in any form except for the purpose for which it was intended. All rights of design and invention are hereby reserved.</small>			



13311 Main Road * Akron * New York * 14001
Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT: N/A

TITLE: BS25-Series Slab to Slab Condition

Detailed by: BAF	Date: 07/20/16
Checked by: SLP	Date: 07/22/16
Scale: NTS	EMS Job #: N/A
Sheet No.: 1 of 1	Drawing No.: BS25-1

Gel Loc LP, Part A

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

Revision Date: 08/03/2015

Date of issue: 02/09/2015

Version: 1.0

SMS-0041 Rev.B

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Article

Product Name: Gel Loc LP, Part A

1.2. Intended Use of the Product

Use of the substance/mixture: Adhesive. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Erie Metal Specialties

13311 Main Road

Akron, NY 14001

Ph: 716-542-3991

sales@eriemetal.com

1.4. Emergency Telephone Number

Emergency Number : 800-848-1120

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Irritant & Environmentally Damaging

2.2. Label Elements

GHS-US Labeling



Irritant

Skin irritation, category 2

Eye irritation, category 2A

Skin sensitization, category 1



Irritant

Acute hazards to the aquatic environment, category 2

Chronic hazards to the aquatic environment, category 2

Skin Irrit. 2 Eye Irrit. 2A Skin Sens. 1 Aq ACTox. 2 Aq ChrTox. 2

2.3. Signal Word

Warning

2.4. Hazard Statements

Causes skin irritation

May cause an allergic reaction

Causes serious eye irritation

Toxic to aquatic life with long lasting effects

Very toxic to aquatic life

2.5. Precautionary Statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children

Read label before use

Wear protective gloves/protective clothing/eye protection/face protection

Wash skin thoroughly after handling

Use only outdoors or in a well-ventilated area

Contaminated work clothing should not be allowed out of the workplace

Avoid release to the environment

Do not eat, drink or smoke when using this product

IF ON SKIN: Wash with soap and water

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing

If skin irritation occurs: Get medical advice/attention

If eye irritation persists: Get medical advice/attention

Take off contamination clothing and wash before reuse

Specific treatment (see supplemental first aid instruction on this label)

Gel Loc LP, Part A

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

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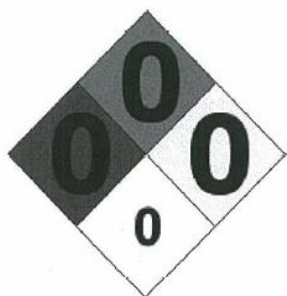
Collect spillage

Store locked up

Dispose of contents and container as instructed in Section 13

2.6. Other Non-GHS Classification

WHMIS NFPA/HMIS



NFPA SCALE (0-4)

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product Identifier	%
Bisphenol-A-(epichlorhydrin) and epoxy resin	CAS 25068-38-6	60-70%
[[[(2-Ethylhexyl)oxy]methyl]oxirane	CAS 2461-15-16	6-8%
Titanium dioxide	CAS 13463-67-7	1-2%
Silica, amorphous, fumed, cryst.-free	CAS 112945-52-5	1-2%
Calcium Carbonate	CAS 471-34-1	20-30%

Percentages are by weight

3.2. Mixture

Not applicable

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

After inhalation: Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Seek medical assistance if cough or other symptoms appear.

After skin contact: Seek medical advice if discomfort or irritation persists. Wash hands and exposed skin with soap and plenty of water. Rinse/flush exposed skin gently using soap and water for 15-20 minutes.

After eye contact: Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Seek medical attention if irritation persists or concerned.

After swallowing: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if irritation, discomfort, or vomiting persists. Rinse mouth thoroughly.

4.2. Most important symptoms and effects, both acute and delayed

Irritation. Shortness of breath. Headache. Nausea. Dizziness.; 2461-15-6: Inhalation – May cause respiratory irritation.

4.3. Indication of any immediate medical attention and special treatment needed

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

Gel Loc LP, Part A

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

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SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol resistant foam. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable Extinguishing Media: N/A

5.2. Special Hazards Arising From the Substance or Mixture

Thermal decomposition can lead to release of irritating gases and vapors. Combustion products may include carbon oxides or other toxic vapors.

5.3. Advice for Firefighters

Protection equipment: Wear protective eyewear, gloves, and clothing. Refer to section 8. Use NIOSH approved respiratory

Additional information (precautions): Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing. Avoid dust formation. decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Ensure that air-handling systems are operational. Wear protective equipment

6.2. Environmental Precautions

Should not be released into environment. Prevent from reaching drains, sewer, or waterway. Collect contaminated soil for characterization per Section 13

6.3. Methods and material for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Always obey local regulation. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect solids in powder from using vacuum with (HEPA filter). Evacuate personnel to safe areas.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Avoid contact with skin, eyes, and clothing. Do not eat, drink, smoke, or use personal products

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store in cool, dry conditions in well sealed containers. Store with like hazards.



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

471-34-1, NIOSH REL: TWA 10 mg/m³ (total) TWA 5 mg/m³ (resp)

13463-67-7, Titanium dioxide, ACGIH TLV: 10, OSHA PEL: 10

112945-52-5, Silica, amorphous, fumed, cryst.-free, ACGIH TLV

TWA: 10 mg/m³ (inhalable particles)

112945-52-5, Silica, amorphous, fumed, cryst.-free, OSHA PEL TWA: 15 mg/m³ (total dust)

Gel Loc LP, Part A

Safety Data Sheet

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Appropriate Engineering Controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable) below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use under a fume hood. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Respiratory protection	Not required under normal conditions of use. Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment. Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment. Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment. Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.
Skin protection	Select glove material impermeable and resistant to the substance. Wear protective clothing. Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing. Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Select glove material based on rates of diffusion and degradation. Wear protective clothing. Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing. Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Chemically resistant gloves are recommended, but not required.
Eye Protection	Faceshield (8-inch minimum) with tightly fitting safety goggles are appropriate eyewear. Safety glasses or goggles are appropriate eye protection. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
General hygienic measures:	Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before reworking wash contaminated clothing. Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before reworking wash contaminated clothing. Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Before wearing wash contaminated clothing. Avoid contact with skin, eyes, and clothing. Before reworking wash contaminated clothing. Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing. Perform routine housekeeping.

Gel Loc LP, Part A

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

Revision Date: 08/03/2015

Date of issue: 02/09/2015

Version: 1.0

SMS-0041 Rev.B

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance: Paste

Color: White

Physical State: Mobile liquid

Odor: Almost odorless

Odor Threshold: No data available

pH-value: No data available

Melting Point/ Freezing Point: no data available

Boiling Point/Boiling Range: no data available

Flash Point (closed cup): > 212 °F (> 100 °C)

Evaporation rate: no data available

Flammability (solid, gaseous): no data available

Density: no data available

Explosion limit lower: no data available

Explosion limit upper: no data available

Vapor pressure: no data available

Vapor density: no data available

Relative density: no data available

Solubilities:

in water: insoluble (<.01%)

Partition coefficient (in octanol/water): no data available

Auto/Self-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Non-reactive under normal conditions.

10.2. Chemical Stability: Stable under normal conditions.

10.3. Possibility Hazardous Reactions: None under normal processing.

10.4. Conditions to Avoid: Incompatible materials.

10.5. Incompatible Materials: Strong oxidizing agents, acids, Amines, Bases.

10.6. Hazardous Decomposition Products: Carbon oxides. Titanium oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity:		
Oral:	25068-38-6	LD50 Oral - rat - 13,600 mg/kg
Oral:	2461-15-6	LD50 Oral - Rat - 7,800 mg/kg
Oral:	13463-67-7	LD50 Oral - rat - female - > 5,000 mg/kg
Inhalation:	13463-67-7	LC50 Inhalation - rat - male - 4 h - > 6.82 mg/l
Chronic Toxicity: No additional information.		
Corrosion Irritation: No additional information.		
Sensitization:	Will not occur	
Single Target Organ (STOT):	2461-15-6: Inhalation - May cause respiratory irritation. Specific target organ toxicity - single exposure (Category 3), Respiratory system,	
Numerical Measures:	No additional information.	
Carcinogenicity:	IARC: Group 3 (Not Classifiable) Monograph 68 [1997] (listed under Amorphous silica)	
Mutagenicity:	Hamster Lungs DNA inhibition. Hamster ovary Sister chromatid exchange	
Reproductive Toxicity:	No additional information.	

Gel Loc LP, Part A

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity

2461-15-6: LC50 – Carassius auratus (goldfish) – 14 mg/l – 24 h

13463-67-7: LC50 – other fish - > 1,000 mg/l – 24 h

13463-67-7: EC50 – Daphnia magna (Water flea) - > 1,000 mg/l – 48 h

12.2. Persistence and Degradability

Persistence and Degradability	25068-38-6: Result: - According to the results of tests of biodegradability this product is not readily biodegradable
--------------------------------------	------------------------------------------------------------------------------------------------------------------------------

12.3. Bioaccumulative Potential N/A

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Contact a licensed professional waste disposal service to dispose of this material. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Dispose of empty containers as unused product. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11).

SECTION 14: TRANSPORTATION INFORMATION

14.1. UN-Number: N/A

14.2. UN proper shipping name N/A

14.3. Transport Hazard class(es)

Packing group:

Environmental hazard: Not regulated for transport

Transport in bulk:

Special precautions for user:

SECTION 15: REGULATORY INFORMATION

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

None of the ingredients is listed

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

112945-52-5 Silica, amorphous, fumed, cryst.-free

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Gel Loc LP, Part A

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According to 29CFR1910/1200 and GHS Rev. 3

Revision Date: 08/03/2015

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Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

Revision Date : 08/03/2015

Other Information : This document has been prepared in accordance with the SDS requirements according to 29CFR1910/1200 and GHS.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Gel Loc LP, Part B

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

Revision Date: 08/03/2015

Date of issue: 02/08/2015

Version: 1.0

SMS-0041 Rev.B

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Article

Product Name: Gel Loc LP, Part B

1.2. Intended Use of the Product

Use of the substance/mixture: Adhesive. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Erie Metal Specialties

13311 Main Road

Akron, NY 14001

Ph: 716-542-3991

sales@eriemetal.com

1.4. Emergency Telephone Number

Emergency Number : 800-848-1120

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Irritant & Environmentally Damaging

2.2. Label Elements

GHS-US Labeling



Health hazard

Carcinogenicity, category 2

Reproductive toxicity, category 2



Irritant

Acute toxicity (oral, dermal, inhalation), category 4

Skin sensitization, category 1



Corrosive

Skin corrosion, category 1B

Serious eye damage, category 1

Skin corrosion, category 1B

Carcinogenicity - Category 2

Eye Damage 1

Skin sensitizer 1

Acute toxicity - Oral - Acute Tox. 4

Skin corrosion/irritation - Skin Corr. 1B

Reproductive Toxicity - Repr. 2

2.3. Signal Word

Danger

2.4. Hazard Statements

May cause an allergic skin reaction

Suspected of causing cancer

Harmful if swallowed

Causes severe skin burns and eye damage

Causes serious eye damage

2.5. Precautionary Statements

If medical advice is needed, have product container or label on hand

Keep out of reach of children

Read label before use

Wash skin thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fumes/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Gel Loc LP, Part B

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Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Specific treatment (see supplemental first aid instructions on this label)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Immediately call a POISON CENTER or doctor or physician

Take off contaminated clothing and wash before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF ON SKIN: Wash with soap and water

If skin irritation or a rash occurs: Get medical advice/attention

Store in a well ventilated place. Keep container tightly closed

Store locked up

Dispose of contents and containers as instructed in Section 13

2.6. Combustible Dust Hazard: May form combustible dust concentrations in air (during processing).

2.7. Other Non-GHS Classification: May form combustible dust concentrations in air (during processing).

WHMIS



NFPA/HMIS



NFPA SCALE (0-4)

Health	3
Flammability	2
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product Identifier	%
Polyamido Amine	CAS 68953-36-6	14-18%
Nonyphenol	CAS 84852-15-3	14-18%
Attapulgitte Clay	CAS 12174-11-7	4-8%
2-piperazin-1-ylethylamine	CAS 140-31-8	4-7%

Percentages are by weight

3.2. Mixture

Not applicable

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

After inhalation: Get medical assistance if cough or other symptoms appear. Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen.

After skin contact: Wash away any material which may have contacted the body with copious amounts of water or soap and water. Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Rinse or flush skin/hair gently with water for an additional 10 minutes. Seek immediate medical attention

After eye contact: Protect unexposed eye. Rinse or flush eye gently with water for at least 30 minutes, lifting upper and lower lids. Remove contact lens (es) if able to do so during rinsing. Seek immediate medical attention (ophthalmologist)

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort, or vomiting persists. Never give anything by mouth to an unconscious person. Have exposed individuals drink sips of water.

4.2. Most important symptoms and effects, both acute and delayed

Headache. Nausea. Shortness of breath. Coughing. Irritation of the throat. Gastrointestinal tract irritation with nausea or diarrhea. Irritation/burns, all routes of exposure. May cause burns, deep penetrating ulcerations of the skin, delayed tissue destruction, redness, pain. May cause severe burns, blindness and/or permanent damage; May cause cancer. Lungs may be affected by repeated or prolonged exposure to fibers, resulting in fibrosis. 12174-11-7: Acute pneumoconiosis or silicosis from overwhelming exposure to crystalline silica dust has occurred. 12174-11-7: Inhalation may increase the progression of tuberculosis; susceptibility is apparently not increased. 12174-11-7: Persons with impaired respiratory function may be more susceptible to the effects of this substance. Smoking can increase the risk of lung injury.

4.3. Indication of any immediate medical attention and special treatment needed

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Agents: Use water spray to knock-down vapors. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition. Use dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam. Substance is non-flammable. Alcohol foam, dry chemical, or carbon dioxide. If large quantities of combustibles are involved, use water in flooding quantities as spray and fog.

For safety reasons unsuitable extinguishing agents: Do not use water on material itself; water or foam may cause frothing. Do not use water jet.

5.2. Special Hazards Arising From the Substance or Mixture

Combustion products may include carbon oxides or other toxic vapors. Carbon oxides, nitrogen oxides (NOx). Combustible dusts formation is a risk. Powerful oxidizers may cause fire. Powerful oxidizers may cause explosions.

5.3. Advice for Firefighters

Protection equipment: Use NIOSH-approved respiratory protection/breathing apparatus. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Avoid breathing vapors; keep upwind.

Additional information (precautions): Move product containers away from fire or keep cool water spray as a protective measure, where feasible. If material not on fire and not involved in fire; Keep sparks flames, and other sources of ignition away. Keep material out of water sources and sewers. Build dikes to contain flow as a necessary. Avoid contact with skin, eyes, and clothing. Heat flame, and ignition sources should not be handled near chemical. Use spark-proof tools and explosion-proof equipment.

Gel Loc LP, Part B

Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev. 3

Revision Date: 08/03/2015

Date of issue: 02/09/2015

Version: 1.0

SMS-0041 Rev.B

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective equipment. Ensure that air-handling systems are operational. Ensure adequate ventilation. Land spill: Dig a pit, pond, lagoon, holding area (should be sealed with an impermeable flexible membrane liner) to contain liquid or solid material. Dike surface flow using soil, sand bags, foamed polyurethane, or foamed concrete. Absorb bulk liquid with fly ash or cement powder. Neutralize as noted for water spill. Water spill: Neutralize with agricultural lime (CaO). Crushed limestone (CaCO₃), or sodium bicarbonate (NaHCO₃). If dissolved, in region of 10ppm or greater concentration, apply activated carbon at ten times the spilled amount. Use mechanical methods to collect and containerize for disposal (see Section 13). Use spark-proof tools and explosion-proof equipment.

6.2 Environmental Precautions

Prevent from reaching drains, sewer, or waterway. Collect contaminated soil for characterization per Section 13. Should not be released into environment

6.3 Methods and material for containment and cleaning up:

Keep in suitable closed containers for disposal. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Containerize for disposal. Refer to Section 13. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. If contact with the material anticipated, wear appropriate chemical protective clothing. Avoid bodily contact with the material. ... Do not handle broken packages unless wearing appropriate personal protective equipment. Wash away any material which may have contacted the body with copious amounts of water or soap and water. Do not handle broken packages unless wearing appropriate personal protective equipment. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Personal protection: P2 filter respirator for harmful particles. Contain spillage. Collect with an electrically protected vacuum cleaner or by wet-brushing. Place in container for disposal according to local regulations. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect solids in powder form using vacuum with (HEPA filter)

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Minimize dust generation and accumulation. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Avoid contact with skin, eyes, and clothing. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do NOT take working clothes home. Prevent dispersion of dust; if this occurs, avoid all contact! Combustible dusts formation is a risk

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Store away from incompatible materials. Protect from freezing and physical damage. Keep away from food and beverages. Provide ventilation for containers. Store away from incompatible materials. Store locked up. Avoid storage near extreme heat, ignition sources or open flame. Store in cool, dry conditions in well sealed containers. Store with like hazards

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION



8.1. Control Parameters

OSHA PEL TWA (Total Dust) 15 mg/m³ (50 mppcf*)

ACGIH TLV TWA (inhalable particles) 10 mg/m³

471-34-1, NIOSH REL: TWA 10 mg/m³ (total) TWA 5 mg/m³ (resp)

Gel Loc LP, Part B

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Appropriate Engineering Controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable) below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use under a fume hood
Respiratory protection	When necessary use NIOSH approved breathing equipment. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. P2 filter respirator for harmful particles
Skin protection	Select glove material impermeable and resistant to the substance. Wear protective clothing. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Eye Protection	Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection.
General hygienic measures:	Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance (physical state, color): paste

Odor: amine-like

Odor Threshold: no data available

pH-value: no data available

Melting Point/ Freezing Point: no data available

Boiling Point/Boiling Range: no data available

Flash Point (closed cup): no data available

Evaporation rate: no data available

Flammability (solid, gaseous): no data available

Explosion limit lower: no data available

Explosion limit upper: no data available

Vapor pressure: no data available

Vapor density: no data available

Relative density: no data available

Solubilities: no data available

Partition coefficient (in octanol/water): no data available

Auto/Self-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity:

a. Kinematic: no data available

b. Dynamic: no data available

Density: 2.1 g/cm³ at 68 °F (20 °C)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Non-reactive under normal conditions.

10.2. Chemical Stability: Stable under normal conditions. Chemically inert; properties are not affected by change in pH

10.3. Possibility Hazardous Reactions: None under normal processing.

10.4. Conditions to Avoid: Incompatible materials. Heat Sensitive. Heat, flame, spark

10.5. Incompatible Materials: Strong acids. Strong oxidizing agents. Strong bases. Oxidizing agents, Oxidizing agents. Hydrogen Fluoride. Acetylene and ammonia. Hydrofluoric Acid. Strong acids. Strong bases.

10.6. Hazardous Decomposition Products: Carbon oxides. Nitrogen oxides. Ammonia. When heated to decomposition it emits acrid smoke and irritation fumes. Corrosive gas silicon Tetrafluoride. Carbon oxides, nitrogen oxides (NOx)

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity:		
Oral:	IUCLID	LOSO Rat 6450 mg/kg
Dermal:	84852-15-3	Dermal LD50 Rabbit 2031 mg/kg
Oral:	84852-15-3	Oral LD50 Rat 580 mg/kg
Oral:	2,097 mg/kg	LD50 rat
Dermal:	866 mg/kg	LD50 rabbit
Chronic Toxicity:		
Inhalation:	Experimental carcinogenicity is associated with respirable fibres greater than 5 micrometers in length.	Depending on the degree of exposure, periodic medical examination is suggested. Fibre length varies with the source of the mineral.
Corrosion Irritation:		
Dermal: 12174-11-7		Dermal: May cause chemical mechanical irritation of the skin.
Ocular: 12174-11-7		May cause mechanical irritation of the eyes.
Sensitization:		12174-11-7: Can cause irritation to the respiratory tract.
Single Target Organ (STOT):		No additional information.
Numerical Measures:		Acute Toxity Estimate (ATE) – oral: 2000 mg/kg
Carcinogenicity:		IARC; Group 2B (Possibly Carcinogenic to Humans) Monograph 68 [1997] (long fibres >5 µm); Supplement 7 [1987] 12174-11-7: May cause lung damage if exposure if repeated or prolonged.
Mutagenicity:		No additional information
Reproductive Toxicity:		84852-15-3: Suspected human reproductive toxicant

SECTION 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Fish (acute 84852-15-3): 96 Hr LC50 Pimephales promelas: 0.135 mg/L [flow-through]; 96 Hr LC50

Lepomis macrochirus: 0.1351mg/L [flow-through]

Crustacea (acute 84852-15-3): 48 Hr EC50 Daphnia magna: 0.14 mg/L

Algae (acute 84852-15-3): 96 Hr EC50 Pseudokirchneriella subcapitata: 0.36 - 0.48 mg/L [static]; 72 Hr EC50

Pseudokirchneriella subcapitata: 0.16 - 0.72 mg/L [static]; 72 Hr EC50 Desmodesmus subspicatus: 1.3 mg/L

LC50 Pimephales promelas (fathead minnow): 2,190 mg/l - 96 h

EC50 Daphnia magna (Water flea): 58 mg/l - 48 h

EC50 Pseudokirchneriella subcapitata (Selenastrum capricornutum): 495 mg/l - 72 h

12.2. Persistence and Degradability

12174-11-7: long term degradation products may arise. aerobic – Exposure time 28 d Result: 0% - Not readily biodegradable. (OECD Test Guideline 301F)

12.3. Bioaccumulative Potential BCF (84852-15-3): 271 species: fish

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12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11)

SECTION 14: TRANSPORTATION INFORMATION

14.1. UN-Number: N/A

14.2. UN proper shipping name N/A

14.3. Transport Hazard class(es)

Packing group:

Environmental hazard: DOT regulated marine pollutant

Transport in bulk: (84852-15-3)

Special precautions for user:

SECTION 15: REGULATORY INFORMATION

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Relative, Acute, Chronic

SARA Section 313 (Specific toxic chemical listings):

84852-15-3-1.0% de minimis concentration (listed under Chemical Category Nonylephenol)

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

All ingredients is listed

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

12174-11-7 Attapulgite clay >5 µm in length)

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients is listed

Gel Loc LP, Part B

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

Revision Date : 08/03/2015

Other Information : This document has been prepared in accordance with the SDS requirements according to 29CFR1910/1200 and GHS.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: _____

Project No: **IFB 2023-188**

Project: **IFB 2023-188, Construction: CCADE Infirmiry Expansion**

Section: 079513, detail A531

Article/ Paragraph: Details (3,5,6,8/A531)

Proposed Substitution: CSS(DS)-Series

Manufacturer: Erie Metal Specialties, Inc. Address: 13311 Main Rd., Akron, NY 14001

Telephone: (716) 542-3991 Proposed Model No.: CSS(DS)

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Nicole DiChristina

Signed: *Nicole DiChristina*

Firm: Erie Metal Specialties, Inc.

Address: 13311 Main Rd., Akron, NY 14001

Phone: (716) 542-3991

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/5/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

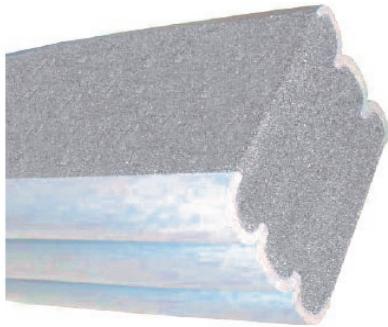
CSS(DS)-Series (Seismic Double-Sided)

Description

The Double-Sided Compression Seismic Seal (CSS-DS) is composed of an open micro-cell polyurethane foam impregnated with a hydrophobic, polymer sealing compound, which can be used in a variety of waterproofing applications. The foam that has constant internal forces built into each cell. These cells continuously push against each other and the sidewalls of an opening to keep out water, moisture, dust, sound and weather, providing a permanent, watertight seal.

The self-adhering material is used in various applications. The system was developed to waterproof most larger vertical and horizontal construction movement joints or joints anticipating seismic movement. Both the top and bottom surfaces of the profile have tough, silicone-exposed faces to match the color of adjoining structures.

The CSS(DS) is typically used in vertical applications or non-pedestrian horizontal applications, along with difficult-to-reach areas, pre-cast panels, isolation joints, window frame closures, and any other opening which requires a resilient, waterproof closure that must also be aesthetically pleasing. Once installed in the joint, the material expands to adapt to the width of the joint and the irregularities of the substrate provided such profile changes are not sudden or extreme.



Physical Properties

Properties	Result
Thermal Conductivity	0.05 W/m. °C
Temperature Range	-40° F to 185° F
Tensile Strength	ASTM 3574, meets 21 psi min.
Ultimate Elongation	ASTM 3574, 125% +/- 20%
Compression Set	ASTM 3574, Max. 2.5%
Shear Strength	Min. 8N/cm ²
Mildew Resistant	Excellent
Staining	None
Flammability	UL94VO Self Extinguishing
Flash Point	590°F (310°C)
Durometer Hardness	ASTM D2240, Shore A 15pts.

Features and Benefits

- Can accommodate rapid rates of joint movement
- Supplied in pre-compressed state for ease of installation
- Does not rely on the silicone coating or on the adhesion of a field applied bead of sealant to provide a watertight seal
- Consistent depth of product
- Excellent compression recovery
- Permanently elastic and weather-tight
- Used for joints up to 8” wide
- Allows for up to 100% (±50% movement)
- Not based on asphaltic or bitumastic impregnation
- Available in **Dow Corning® 790** and **Pecora 890**
Colors: Actual Colors may vary. See **Dow Corning® 790** and **Pecora 890** Color Chart for exact color match.
- Sizes available in 1/4” increments
- **LEED Credits** - Up to two (2) LEED credits depending on the location of the project.

PRODUCT	DEPTH OF SEAL IN (MM)	MIN. WIDTH IN (MM)	MID-RANGE** IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
CSS(DS)-050	1.50” (38.1)	0.25” (6.4)	0.50” (12.7)	0.75” (19.1)	0.50” (12.7)
CSS(DS)-100	1.50” (38.1)	0.50” (12.7)	1.00” (25.4)	1.50” (38.1)	1.00” (25.4)
CSS(DS)-150	2.00” (50.8)	0.75” (19.1)	1.50” (38.1)	2.25” (57.2)	1.50” (38.1)
CSS(DS)-200	2.00” (50.8)	1.00” (25.4)	2.00” (50.8)	3.00” (76.2)	2.00” (50.8)
CSS(DS)-250	2.00” (50.8)	1.25” (31.8)	2.50” (63.5)	3.75” (95.3)	2.50” (63.5)
CSS(DS)-300	3.00” (76.2)	1.50” (38.1)	3.00” (76.2)	4.50” (114.3)	3.00” (76.2)
CSS(DS)-350	3.00” (76.2)	1.75” (44.5)	3.50” (88.9)	5.25” (133.4)	3.50” (88.9)
CSS(DS)-400	3.00” (76.2)	2.00” (50.8)	4.00” (101.6)	6.00” (152.4)	4.00” (101.6)
CSS(DS)-500	3.00” (76.2)	2.50” (63.5)	5.00” (127.0)	7.50” (190.5)	5.00” (127.0)
CSS(DS)-600	4.00” (101.6)	3.00” (76.2)	6.00” (152.4)	9.00” (228.6)	6.00” (152.4)
CSS(DS)-700	4.00” (101.6)	3.50” (88.9)	7.00” (177.8)	10.50” (266.7)	7.00” (177.8)
CSS(DS)-800	4.00” (101.6)	4.00” (101.6)	8.00” (203.2)	12.00” (304.8)	8.00” (203.2)



Dow Corning® 790 Silicone Building Sealant

Sealant Color Selection Guide

STANDARD COLORS

- Please check the availability of the different colors.
- Custom colors are available on request.
- Please refer to product literature for application and technical information.

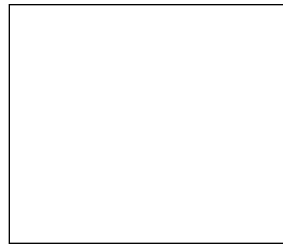
The colors shown are a close approximation of the actual sealant colors. However, for best results, submit color samples or swatches to our lab for color testing and matching.



Precast White



Limestone



White



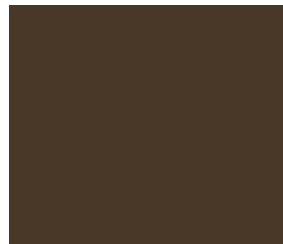
Natural Stone



Gray



Black



Bronze



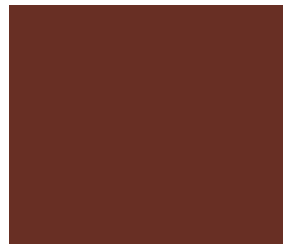
Sandstone



Adobe Tan



Dusty Rose



Rustic Brick



Blue Spruce



Charcoal



High Performance Building
Solutions



PECORA CORPORATION

Architectural Weatherproofing Products
U.S.A. • since 1862

STANDARD SILICONE COLORS

Custom colors available upon request

Non-standard colors

Minimum order quantity per color:
30 gallons for cartridges and pails
30 gallons for sausages

This guide offers a representation of color; when matching is critical, a cured or applied color sample is highly recommended.

Pecora Corporation

165 Wambold Rd
Harleysville, PA 19438
Phone: (215) 723-6051
(800) 523-6688
Fax: (215) 721-0286

www.pecora.com

An ISO-9001:2000 certified company.

ARCHITECTURAL SILICONE SEALANTS

864NST

NON-STAINING TECHNOLOGY.

Tru-White	345
Precast	113
Beige	595
Limestone	039
Aluminum Stone	515
Classic Bronze	046
Black	012
Hartford Green	196

890NST

NON-STAINING TECHNOLOGY.

Tru-White	345
Precast	113
Beige	595
Limestone	039
Anodized Aluminum	804
Aluminum Stone	515
Natural Stone	565
Sandstone	951
Charcoal Gray	950
Classic Bronze	046
Black	012
Hartford Green	196
Red Rock	955

895NST

NON-STAINING TECHNOLOGY.

Translucent	610
Tru-White	345
Anodized Aluminum	804
Aluminum Stone	515
Classic Bronze	046
Black	012

STANDARD SILICONE COLORS

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30 gallons for cartridges and pails

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www.pecora.com

An ISO-9001:2000 certified company.

310 SL

Limestone 039

311 NS

Limestone 039

860

Translucent 610

Tru-White 345

Metallic Aluminum 027

Black 012

898NST

NON-STAINING TECHNOLOGY™

Translucent 610

Tru-White 345

Almond 792

Black 012

COVERAGE CHART (231 cu. in./gal.)

Joint Depth (in.) x Width (in.)	Linear feet per Gal.	Joint Depth (in.) x Width (in.)	Linear feet per Gal.
1/8 x 1/8	1232.0	3/8 x 7/8	58.7
1/8 x 1/4	616.0	3/8 x 1	51.3
1/8 x 3/8	410.7		
1/8 x 1/2	308.0	1/2 x 1/2	77.0
1/8 x 5/8	246.4	1/2 x 5/8	61.6
1/8 x 3/4	205.3	1/2 x 3/4	51.3
1/8 x 7/8	176.0	1/2 x 7/8	44.0
1/8 x 1	154.0	1/2 x 1	38.5
1/4 x 1/4	308.0	5/8 x 5/8	49.3
1/4 x 3/8	205.0	5/8 x 3/4	41.1
1/4 x 1/2	154.0	5/8 x 7/8	35.2
1/4 x 5/8	123.2	5/8 x 1	30.8
1/4 x 3/4	102.7		
1/4 x 7/8	88.0	3/4 x 3/4	34.2
1/4 x 1	77.0	3/4 x 7/8	29.3
		3/4 x 1	25.7
3/8 x 3/8	136.9		
3/8 x 1/2	102.7	7/8 x 7/8	25.1
3/8 x 5/8	82.1	7/8 x 1	22.0
3/8 x 3/4	68.4	1 x 1	19.3

Spectrem[®] 1

Standard Colors

Colors shown are approximate and may not reflect the shade precisely. Different lighting conditions can influence color appearance, for truer color please view in daylight. Colors are not stocked in all available package types. Minimum order quantities will apply for custom colors and alternative packaging. For more information, please contact Tremco Customer Service.

	PRECAST WHITE
	ANODIZED ALUMINUM
	IVORY
	GRAY
	OFF WHITE
	LIMESTONE
	SANDSTONE
	BUFF
	DUSTY ROSE
	ADOBE TAN
	CHAMPAGNE
	ALUMINUM STONE
	LIGHT BRONZE
	RUSTIC BRICK
	BRONZE
	DARK BRONZE
	BLACK
	WHITE

CSS & CSS(DS)-Series

INSTALLATION INSTRUCTIONS

Material Application

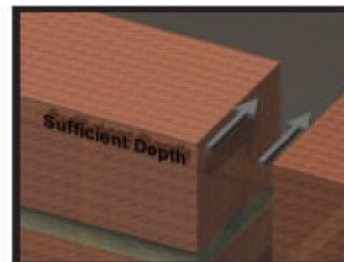
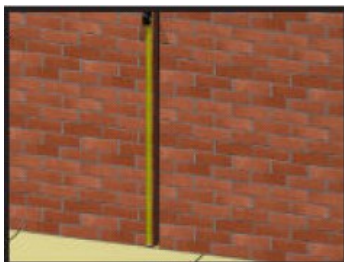
For use in **vertical joints**. Double sided silicone coating available upon request.

Recommended Tools

- Tape Measure
- Sharp Knife
- Miter Saw
- Blue Painters Tape
- Clean Cloth
- Isopropyl Alcohol
- Caulking Tool
- Wood Wedges
- Mineral Spirits

Material Sizing

1. Joints must be sized every 5-7 feet (1.524-2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material.



NOTE: Allow sufficient depth for the material to be recessed 1/8"–1/4" in the joint.

Material Preparation

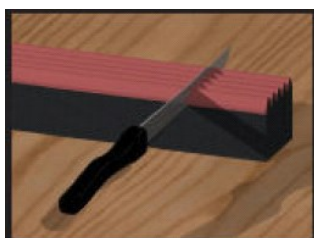
1. Store material at a minimum of 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.

TIP: Material will expand faster when hot and slower when cold. In cold temperatures, store material in a heated area 24 hours prior to installation. In hot temperatures, store material out of direct sunlight and not in an enclosed storage container where temperatures may exceed 100°F.

2. Store materials in a dry, enclosed area. Make sure materials are off the ground and out of direct sunlight.
3. Use a miter saw to make any cuts to the seal before removing the clear shrink packing. All starting and ending pieces must be square to the termination point.

WARNING: Install the material directly after removing the shrink packaging to ensure the material does not expand past the joint opening.

4. Use a sharp knife to make any cuts after the clear shrink packaging and wooden boards have been removed.



TIP: Apply mineral spirits to the knife for a smoother cut.

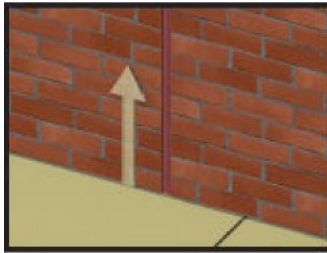
Joint Preparation

1. Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant.
 - a. Use compressed air to clean any loose debris from the joint.
 - b. Apply water or alcohol to a clean cloth and wipe the joint walls to the depth of the sealant materials plus 1”.
2. Verify that the joint is uniform and repair any spalls prior to installation.
3. Apply blue painters tape to both edges of the substrate face to prevent the silicone from contacting the substrate surface.
4. Check the material for appropriate length, width, and depth.
 - a. Supplied material should be pre-compressed to a size smaller than the intended joint opening.
 - b. Joint depth must allow for the installed material to be recessed 1/8” - 1/4” from the joint face.

Sealant Installation

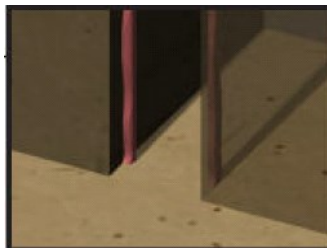
1. For joints that run horizontal, begin installing the material at one side of the joint (either side) and continue to install the material working towards the opposite end (See CSS(H) installation procedure for epoxy installation). For vertical joints, begin installation at the bottom of the joint and work upward.
 - a. The installed sticks will support the subsequent sticks until the material fully expands.

TIP: To ensure an aesthetic finish, verify that the silicone adhesive matches the color on the face of the joint sealant.



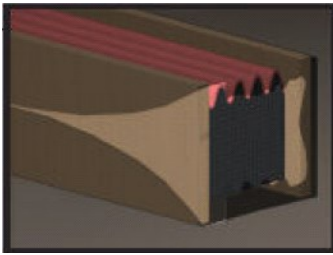
2. Run a 1/4” bead of the supplied silicone adhesive along both joint walls approx. 1/2” – 3/4” back from the surface of the joint substrate.

NOTE: When a continuous joint cannot be finished, the silicone on the substrate should stop at the last stick installed and silicone should not be applied to the end of the installed material until the next piece of material is ready to be installed.



Sealant Installation

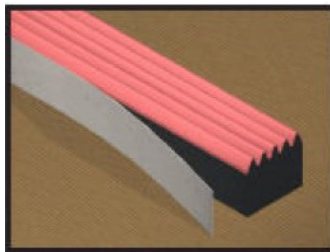
3. When fully prepared to install, open the sealant material by cutting the shrink packaging along the edge of the masonite strapping.



NOTE: If stick sizes larger than the standard 5' LF is ordered (XL marking after product name), do NOT cut shrink packaging completely off. Cut open 5' LF sections at a time and install material working your way down. This will prevent the foam from expanding past the joint opening size.

WARNING: Do not cut the colored face of the material, and be prepared to install the material immediately once the packaging is removed to prevent material from expanding past the joint width.

4. Verify that the material is cut square at both ends for proper seams. All pieces must be square to the termination point.
5. Remove the white release liner on both sides of the seal.



WARNING: Do not twist or pull the material to avoid tearing the white release liner.

6. Place the material into the joint while gently pushing the pressure sensitive adhesive (PSA) up against the side of the joint. Once the material is in place, use a margin trowel to firmly press the adhesive to the substrate and allow the material to expand to fill the joint.

TIP: If the PSA is hampering installation, use a spray bottle to wet the adhesive surface of the seal (will not affect the final sealing properties).

WARNING: Allow 72 hours for full expansion and material equalization. Expansion and equalization rates are affected by temperature.



7. Silicone coating should be flush with, not protruding above, the substrate surface.

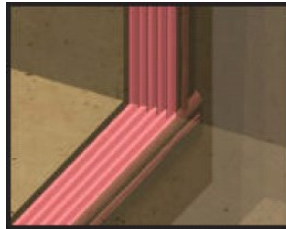
Seams

1. Verify that the new piece of material is cut square and not at an angle to the previous installed piece.
2. Apply silicone to the butt end of the new piece of material as well as a 1/4" bead on both joint walls, inset 1/2" – 3/4" as described in the Sealant Installation section.
3. Overlap extra material (approx. 1/2" -1") at seams and splices to ensure that the seam is in compression after installation.



4. 'T' and '+' intersections
 - a. Install horizontal material first.
 - b. Butt the vertical material up to the horizontal material following steps 1 & 2.

NOTE: After installation, if there are any mitered joints with a hole or void, use the supplied flexible seal to fill and seal the joint.



5. Use the matching silicone to run a bead along each edge of the joint to fill any irregularities in the substrate.

NOTE: Seal does not require an external fillet bead to provide a watertight seal.

Finish

1. Tool the silicone over all seams and transitions using a small caulking tool.
2. Evenly spread the silicone on exposed seams to allow for a clean, aesthetic finish.
3. Remove any excess silicone left on the surface of the material or substrate.

WARNING: Do not allow the silicone to cure before removal.

4. Remove the blue painters tape from the substrate surface.
5. **Use the matching silicone to run a bead along each edge of the joint to fill any irregularities in the substrate.**



MATERIAL SAFETY DATA SHEET**SECTION I – MATERIAL IDENTIFICATION**

MATERIAL NAME: CSS Precompressed Foam Seal, Premoulded joint filler, Polyurethane

MANUFACTURER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

SUPPLIER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

EMERGENCY PHONE:
CHEM-TREC: (800) 424-9300

(716) 542-3991

SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS: MINERAL SPIRITS LESS THAN 1%.
Other Ingredients: Trade Secret

SECTION III – PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: SOLID, N/AP Specific Gravity (H₂O ; 1): 0.910
Vapor Pressure, mm Hg: N/AP Melting Point: 300° F
Vapor Density (Air = 1): N/AP
Evaporation Rate - (Butyl Acetate = 1): N/AP
Solubility In Water: NOT SOLUBLE
Appearance and Odor: BLACK OPEN CELL FOAM, ODOR NOT OBJECTIONABLE

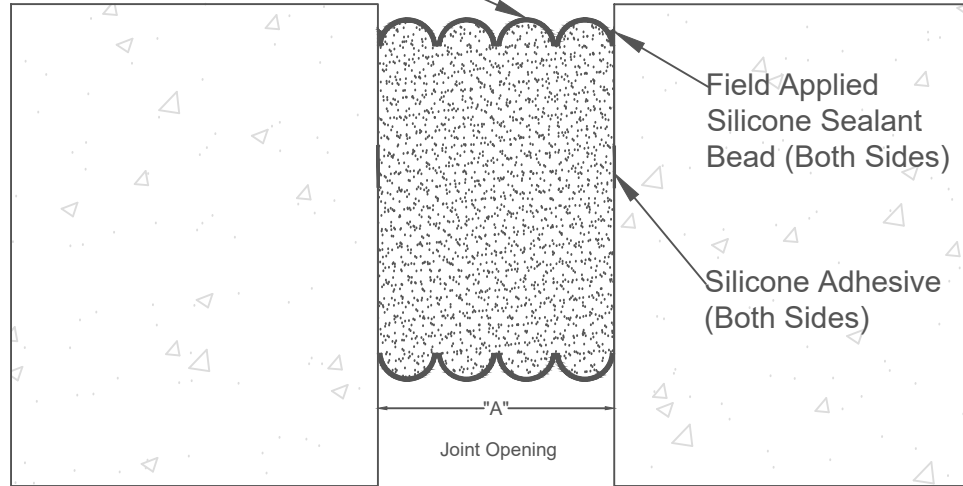
SECTION IV – Health Hazard Data

Routes Of Entry - Inhalation?: NO Skin?: NO Ingestion?: NO
Health Hazards (Acute & Chronic): NO ADVERSE HEALTH EFFECTS
Carcinogenicity - NTP?: NO IARC Monograph?: NO OSHA Regulation?: NO
Signs & Symptoms of Exposure: NONE
Medical Conditions Generally Aggravated by Exposure: NONE
Emergency & First Aid Procedures: Ingestion, Skin Contact, Eye Contact & Inhalation - No need anticipated - If irritation occurs wash with warm water. No inhalation direct or side effects.

SECTION V - FIRE & EXPLOSION HAZARD DATA

Flash Point: 735° F Flammable Limits - LEL: N/AP LFEL: N/AP
Extinguishing Media: CO₂ DRY POWDER OR WATER
Special Fire Fighting Procedures: NIOSH APPROVED SELF-CONTAINED RESPIRATORS RECOMMENDED FOR TOXIC SMOKE
Unusual Hazards: WHEN FORCED TO BURN, THE COMBUSTION GASES WILL LIBERATE HYDROGEN CHLORIDE GAS FUMES.
FLAMMABILITY RATINGS MEET THE FOLLOWING SPECS: UL94HBF MIL-P-I5280D

Factory Applied Dow 790 Or Pecora 890 Silicone



Field Applied Silicone Sealant Bead (Both Sides)

Silicone Adhesive (Both Sides)

CSS(DS)-SERIES
Vertical Condition

* Note: Epoxy only used for sizes 6" and greater.
* Sizes available in 0.25" increments and up to 9".
Contact EMS for additional information.

SEAL COLOR:	
DOW 790:	_____
PECORA 890:	_____
SPECTRUM 1:	_____

WALL-WALL/CORNER APPLICATION

MOVEMENT: +/- 50% NOMINAL JOINT WIDTH
STOCK LENGTHS: 5'-0"

PRODUCT	"A" Min. Width IN (MM)	"A" Mid Range IN (MM)	"A" Max. Width IN (MM)	Total Movement IN (MM)	Seal Depth IN (MM)
CSS(DS)-050	0.25" (6.4)	0.50" (12.7)	0.75" (19.1)	0.50" (12.7)	1.50" (38.1)
CSS(DS)-100	0.50" (12.7)	1.00" (25.4)	1.50" (38.1)	1.00" (25.4)	1.50" (38.1)
CSS(DS)-150	0.75" (19.1)	1.50" (38.1)	2.25" (57.2)	1.50" (38.1)	2.00" (50.8)
CSS(DS)-200	1.00" (25.4)	2.00" (50.8)	3.00" (76.2)	2.00" (50.8)	2.00" (50.8)
CSS(DS)-250	1.25" (31.8)	2.50" (63.5)	3.75" (95.3)	2.50" (63.5)	2.00" (50.8)
CSS(DS)-300	1.50" (38.1)	3.00" (76.2)	4.50" (114.3)	3.00" (76.2)	3.00" (76.2)

NO.	Description	Date	By
<small>The information contained herein is the proprietary property of ERIE METAL SPECIALTIES, INC. No portion of it may be reproduced by any means or used in any form except for the purpose for which it was intended. All rights of design and invention are hereby reserved.</small>			



13311 Main Road * Akron * New York * 14001
Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT: N/A

TITLE: CSS(DS)-Series Vertical Condition

Detailed by:	Date:
BAF	07/20/16
Checked by:	Date:
SLP	07/22/16
Scale:	EMS Job #:
NTS	N/A
Sheet No.:	Drawing No.:
1 of 1	CSS(DS)-1

MATERIAL SAFETY DATA SHEET**SECTION VI – REACTIVITY DATA:**

Stability: STABLE
Conditions to Avoid: EXCESSIVE HEAT
Incompatibility (Materials to Avoid): NONE
Hazardous Decomposition/Products: NONE
Hazardous Polymerization: WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to Be Taken If Material is Released Or Spilled: NONE
Waste Disposal Method: INCINERATION OR APPROVED LANDFILL
Precautions to Be Taken in Handling And Storage: STORE MATERIAL AWAY FROM DIRECT HEAT
Other Precautions: AN EFFECTIVE SOLVENT IS MINERAL SPIRITS

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NONE REQUIRED
Ventilation: NONE REQUIRED
Protective Gloves: NONE REQUIRED BUT RECOMMENDED DUE TO
Eye Protection: NO UNUSUAL PRECAUTIONS
Other Protective Clothing or Equipment: NONE
Work & Hygienic Practices: NO UNUSUAL PRECAUTIONS - OBSERVE GOOD WORK PRACTICES

SECTION IX - SPECIAL PRECAUTIONS

NONE REQUIRED

SECTION X - TRANSPORTATION

DOT Proper Shipping Name: Not Regulated
DOT Primary Hazard Classification: NA
UN/NA Hazard No: NE
EPA/DOT Reportable quantity: NA
DOT labels required: None required.

SECTION XI - HAZARD CODES

NFPA 704
Health Hazard 0
Fire Hazard 1
Reactivity 0
Special NONE

MATERIAL SAFETY DATA SHEET

LEGEND

HEALTH HAZARD

0 - Normal Material
 1 - Slightly Hazardous
 2 - Hazardous
 3 - Extreme Danger
 4 - Deadly

REACTIVITY

0 - Stable
 1 - Unstable If Heated
 2 - Violent Chemical Change
 3 - Shock & Heat May Detonate
 4 - May Detonate

FIRE HAZARD Flash Points:

0 - Will Not Burn
 1 - Above 200° F
 2 - Below 200° F
 3 - Below 100° F
 4 - Below 73° F
 UK
 AP Approximately
 N/AP
 N/DA

SPECIAL HAZARD

Oxidizer OXY
 Acid ACID
 Alkali ALK
 Corrosive COR
 Use No Water N/W
 Unknown
 Y
 Not Applicable
 No Data Available

SECTION XIII – U.S. REGULATORY INFORMATION:

This MSDS complies with 20 CRF 1910.1200 (THE HAZARD COMMUNICATION STANDARD). Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Erie Metal Specialties, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Erie Metal Specialties, Inc. be responsible for damages of any nature whatsoever resulting from the use of, misuse or reliance upon information. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure its activities comply with Federal, State or Provincial, and local laws and regulations.

ISSUE DATE:.....04/01/11

PREPARED BY: Erie Metal Specialties, Inc.
 13311 Main Road
 Akron, NY 14001



MATERIAL SAFETY DATA SHEET

Print date: 06/13/2016

Version: 0

Revision date:

1. COMPANY AND PRODUCT IDENTIFICATION

Product name: FLEXIBLE SEAL ANY COLOR

Product code: AC-FSC60

Supplier: Erie Metal Specialties
13311 Main Road
Akron, NY 14001
Phone: 716-542-3991
Fax: 716-542-3996
sales@eriemetal.com
www.eriemetal.com

Emergency telephone number:
* 24 HOUR TRANSPORTATION:
**CHEMTREC: 1-800-424-9300
703-527-3887 (Call collect outside of US)

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Components	CAS No.	Weight %	OSHA Ceiling Limits	OSHA TWA (final):	ACGIH Ceiling Limits	ACGIH Exposure Limits:	Vendor Exposure Limits:
Toluene	108-88-3	40 - 50%	300 ppm	200 ppm		20 ppm	

3. HAZARDS IDENTIFICATION

Emergency Overview

Irritating to eyes
May cause skin irritation and/or dermatitis.
Harmful by inhalation and if swallowed.

Signal word: WARNING

Principle routes of exposure: Eyes, skin and inhalation.

Eye contact: Avoid contact with eyes. Irritating to eyes.

Skin contact: Prolonged skin contact may defat the skin and produce dermatitis.

Inhalation: Avoid breathing vapors or mists. May cause irritation of respiratory tract. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion and unconsciousness.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination, and fatigue) Risk of product entering the lungs on vomiting after ingestion.

Physico-chemical properties: No hazards resulting from material as supplied.

4. FIRST AID MEASURES

General advice: Call a physician immediately.
Show this safety data sheet to the doctor in attendance.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician

Skin contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Consult a physician if necessary.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Note to physician: Treat symptomatically.

Medical condition aggravated by exposure: Dermatitis.

5. FIRE-FIGHTING MEASURES

Flash Point (°C): NA (Classified as a solid) **Flash point (°F):** NA (Classified as a solid) **Flash Point Method:** Not applicable

Flammable limits in air - lower (%): Not determined **Flammable limits in air - upper (%):** Not determined

Suitable extinguishing media: Use dry chemical, CO₂, water spray or 'alcohol' foam.

Unusual hazards: None known

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific methods: Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with the skin and the eyes Do not breathe vapour/dust.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling

Technical measures/precautions: Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Keep container tightly closed. Wash thoroughly after handling.

Storage

Technical measures/storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.. Keep product and empty container away from heat and sources of ignition.

Incompatible products: strong oxidizing agents

Safe storage temperature: 40-100 ° F

Shelf life: 2 years

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH Ceiling Limits	ACGIH Exposure Limits:	OSHA Ceiling Limits	OSHA TWA (final):	NIOSH - Pocket Guide - TWAs:	Vendor Exposure Limits:
Toluene		20 ppm	300 ppm	200 ppm	100 ppm 375 mg/m ³ 150 ppm STEL 560 mg/m ³ STEL	None

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH/MSHA certified respirator with organic vapor/P100 filter should be worn.

Hand protection: Neoprene gloves

Skin and body protection: Long sleeved clothing

Eye protection: Goggles.

Hygiene measures: Avoid contact with skin, eyes and clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state:	Paste
Color:	various
Odour:	Solvent, Characteristic
Boiling point/range (°C):	110.6
Boiling point/range (°F):	231
Vapour density:	Heavier than air
Vapour pressure:	Not determined
VOC Content Product (g/L)	388 g/L
VOC Content Product (lb/gal)	3.24
VOC less water and exempt (lb/gal)	3.24
VOC less water and exempt (g/L)	388
HAP Content Product (g/L):	388 g/L
Solubility:	Insoluble
Evaporation rate:	Slower than ether
pH:	NA
Flash Point (°C):	NA (Classified as a solid)
Flash point (°F):	NA (Classified as a solid)
Decomposition temperature:	Not determined
Auto-ignition temperature (°C):	Not determined
Density @ 15.5 ° C (g/cc) :	1.0
Bulk density @ 60 ° F (lb/gal):	8.35
Solids (% by weight):	58 - 62%
Volatiles (% by volume) :	42 - 46%
Partition coefficient (n-octanol/water, log Pow):	Not determined
Explosive properties:	
- upper limit:	No data available
- lower limit:	No data available

10. STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

Conditions to avoid:

Heat, flames and sparks.

Materials to avoid:

Strong oxidizing agents

Hazardous decomposition products:

Carbon oxides, Smoke

Polymerisation

Not applicable

11. TOXICOLOGICAL INFORMATION

11. TOXICOLOGICAL INFORMATION

Over exposure to toluene has been associated with permanent brain damage characterized by disturbances in gait, personality changes and loss of memory. Toluene has been found to cause cardiac sensitivity, effects on hearing, central nervous system damage, respiratory tract damage and mild reversible liver effects in laboratory animals. Toluene may be harmful to the human fetus based on positive test results with laboratory animals.

No toxicological information is available on the product. Data obtained on components are summarized below.

Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
Toluene	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	12.5mg/LInhalation LC50Rat 12124mg/kgDermal LD50Rat 636mg/kgOral LD50Rat 8390mg/kgDermal LD50Rabbit 26700ppmInhalation LC50Rat

12. ECOLOGICAL INFORMATION

Persistence and degradability: No information available

Mobility: No data available

Bioaccumulation: No data available

Ecotoxicity effects: No data available

Aquatic toxicity: Not Determined

Component Information

Toluene

Ecotoxicity - Fish Species Data:

LC50 (Pimephales promelas - 96h) = 15.22-19.05 mg/L
 LC50 (Pimephales promelas - 96h) = 12.6 mg/L
 LC50 (Oncorhynchus mykiss - 96h) = 5.89-7.81 mg/L
 LC50 (Oncorhynchus mykiss - 96h) = 14.1-17.16 mg/L
 LC50 (Oncorhynchus mykiss - 96h) = 5.8 mg/L
 LC50 (Lepomis macrochirus - 96h) = 11.0-15.0 mg/L
 LC50 (Oryzias latipes - 96h) = 54 mg/L
 LC50 (Poecilia reticulata - 96h) = 28.2 mg/L
 LC50 (Poecilia reticulata - 96h) = 50.87-70.34 mg/L
 LC50 (Pimephales promelas - 96h) = 15.22-19.05 mg/L

Ecotoxicity - Freshwater Algae Data:

EC50 (Selenastrum capricornutum - 96h) = >433 mg/L

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Take up mechanically and collect in suitable container for disposal.

Components

Toluene

108-88-3

US EPA Waste Number

D001

14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name:

Not Regulated

TDG (CANADA):

Proper shipping name:

Not Regulated

IMDG/IMO:

Proper shipping name:

Not Regulated

IATA/ICAO:

Proper shipping name:

Not Regulated

15. REGULATORY INFORMATION

CANADIAN REGULATIONS:

Canada - WHMIS Classification Information:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Canadian Product Classification: Class D2B

Product Classification Graphic(s):



Component Classification Data:

Toluene - 108-88-3

WHMIS hazard class:

B2, D2A, D2B

Canada - National Pollution Release Inventory:

Part 1, Group 1 Substance
Part 5 Substance
Part 1, Group 1 Substance

U.S. FEDERAL REGULATIONS:

OSHA Hazard Communication Standard:

This product is considered to be hazardous under the OSHA Hazard Communication Standard.

Toluene - 108-88-3

CERCLA/SARA - Hazardous Substances and their Reportable Quantities: 1000 lb

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:
Immediate Health (Acute): Yes
Delayed Health (Chronic): Yes
Flammability: Yes
Pressure: No
Reactivity: No

Toluene - 108-88-3

CERCLA/SARA 313 Emission reporting: Listed
CAA - 1990 Hazardous Air Pollutants: Listed
Clean Water Act - Hazardous Substances: Listed
Clean Water Act - Priority Pollutants: Listed

RCRA Status: Listed in Section 13

U.S. STATE REGULATIONS
(RTK):

Listed component present: toluene

Toluene - 108-88-3

California Prop 65: Present
MARTK: Present
Michigan critical materials register list: 100 lb Annual usage threshold
NJRTK: 1866
PARTK: Environmental hazard
Present

INVENTORY STATUS:

United States TSCA - Sect. 8(b) Inventory: This product complies with TSCA

Canada DSL Inventory List - This product complies with DSL

EC EINECS/ELINCS/NLP list: Compliance has not been determined

Inventory - Japan - Existing and New Chemical Substances (ENCS): Compliance has not been determined.

16. OTHER INFORMATION

Sources of key data used to compile the data sheet: Material safety data sheets of the ingredients.

Prepared by: Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

Reason for revision: This data sheet contains changes from the previous version in section(s) 15 and 16

HMIS classification:**Health:**
2**Flammability:**
1**Reactivity:**
0**Personal Protection:**
H**HMIS Use Dilution****Health**
--**Flammability**
--**Reactivity**
--**Personal Protection**
--**NFPA rating:****Health:**
2**Flammability:**
1**Reactivity:**
0**Special:**
NA

* Indicates possible chronic health effect

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Quaker Chemical Corporation ("Quaker") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of Quaker.

End of Safety Data Sheet

MATERIAL SAFETY DATA SHEET**SECTION I – MATERIAL IDENTIFICATION**

MATERIAL NAME: DOW CORNING 790 SILICONE BUILDING SEALANT MSDS # 02134292

MANUFACTURER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001SUPPLIER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001EMERGENCY PHONE:
CHEM-TREC: (800) 424-9300

(716) 542-3991

SECTION II – HAZARDOUS INGREDIENTSAcute Effects

Eye: Direct contact may cause moderate irritation.

Skin: May cause mild irritation.

Inhalation: Irritates respiratory passages very slightly.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: Repeated or prolonged exposure may irritate seriously.

Inhalation: Overexposure by inhalation may injure the following organ(s): Testes. Liver. Pancreas.
Spleen.

Oral: Overexposure by ingestion may injure the following organ(s): Pancreas. Liver. Spleen. Testes.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Wt %	Component Name
50791-87-2	1.0 - 5.0	Methylvinyl bis(n-methylacetamido) silane
68952-53-4	1.0 - 5.0	Dimethyl, methylethyl-N-hydroxyethamine siloxane

The above components are hazardous as defined in 29 CFR 1910.1200

SECTION IV – FIRST AID MEASURES

Eye: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

MATERIAL SAFETY DATA SHEET

- Skin:** As quickly as possible remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately flush with lukewarm gently flowing water for 15 minutes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. Obtain medical attention.
- Inhalation:** Remove from the source of contamination or move to fresh air. If irritation persists, obtain medical advice.
- Oral:** If irritation or discomfort occur, obtain medical advice.

Notes to Physician: Treat according to person's condition and specifics of exposure.

SECTION V - FIRE & EXPLOSION HAZARD DATA

Flash Point: Not applicable.

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: None.

SECTION VI – ACCIDENTAL RELEASE MEASURES:

Containment/Clean up: Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills. Call (716) 542-3991, if additional information is required.

SECTION VII – HANDLING AND STORAGE

Use with adequate ventilation. Product evolves N-methyl acetamide when exposed to water or humid air. Provide ventilation during use to control N-methyl acetamide within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally.

Keep container closed and store away from water or moisture.

MATERIAL SAFETY DATA SHEET

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
50791-87-2	Methylvinyl bis(n-methylacetamido) silane	See N-methyl acetamide comments.

N-methyl acetamide is formed on contact with water or humid air. Provide adequate ventilation to control exposures to within Dow Corning recommended exposure guidelines of 1 ppm (TWA) and 5 ppm (Excursion Limit).

Engineering Controls

Local Ventilation: Recommended.
General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes:	Use proper protection - safety glasses as a minimum.
Skin:	Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.
Suitable Gloves:	Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.
Inhalation:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.
Suitable Respirator:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Personal Protective Equipment for Spills

Eyes:	Use full face respirator.
Skin:	Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.
Inhalation/Suitable Respirator:	Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Precautionary Measures:	Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally. Use reasonable care.
Comments:	Product evolves N-methyl acetamide when exposed to water or humid air. Provide ventilation during use to control N-methyl acetamide within exposure guidelines or use respiratory protection.

MATERIAL SAFETY DATA SHEET

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Paste
Color:	Brown
Odor:	Some odor
Specific Gravity @ 25°C:	1.462
Viscosity:	Not determined.
Freezing/Melting Point:	Not determined.
Boiling Point:	Not determined.
Vapor Pressure @ 25°C:	Not determined.
Vapor Density:	Not determined.
Solubility in Water:	Not determined.
pH:	Not determined.
Volatile Content:	Not determined.
Flash Point:	Not applicable.
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.

Note: The above information is not intended for use in preparing product specifications. Contact EMS before writing specifications.

SECTION X – STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to Avoid:	None.
Materials to Avoid:	Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Formaldehyde. Silicon dioxide. Nitrogen oxides. Quartz

SECTION XI – TOXICOLOGICAL INFORMATION

Contains Bis(N-methyl acetamido)silane which liberates N-methylacetamide (NMA) during cure. NMA has been shown to cause birth defects in laboratory animals

MATERIAL SAFETY DATA SHEETSpecial Hazard Information on Components

No known applicable information

SECTION XII – ECOLOGICAL INFORMATIONEnvironmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Hazard Parameters (LC50 or EC50)	Ecotoxicity Classification Criteria		
	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	≤1	>1 and ≤100	>100
Acute Terrestrial Toxicity	≤100	>100 and ≤ 2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

SECTION XIII – DISPOSAL CONSIDERATIONS:RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No
State or local laws may impose additional regulatory requirements regarding disposal. Call (716) 542-3991, if additional information is required.

SECTION XIV – TRANSPORT INFORMATION:

DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT.

Ocean Shipment (IMDG): Not subject to IMDG code

Air Shipment (IATA): Not subject to IATA regulations

Call (716) 542-3991, if additional information is required.

MATERIAL SAFETY DATA SHEET**SECTION XV – REGULATORY INFORMATION:**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355): None

Section 304 CERCLA Hazardous Substances (40 CFR 302):

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
68-12-2	0.69	Dimethylformamide
1330-20-7	0.14	Xylene

Section 311/312 Hazard Class (40 CFR 370):

Acute:	Yes
Chronic:	Yes
Fire:	No
Pressure:	No
Reactive:	No

Section 313 Toxic Chemicals (40 CFR 372):

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
68-12-2	0.69	Dimethylformamide

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold

SECTION XVI – Other Information:

Prepared by: Erie Metal Specialties, Inc.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

ISSUE DATE:.....04/01/11

PREPARED BY: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: _____

Project No: **IFB 2023-188**

Project: **IFB 2023-188, Construction: CCADEF Infirmiry Expansion**

Section: 079513, detail A531

Article/ Paragraph: Details (3,4,5,6,7,8/A531)

Proposed Substitution: ENWJ-Series

Manufacturer: Erie Metal Specialties, Inc. Address: 13311 Main Rd., Akron, NY 14001

Telephone: (716) 542-3991 Proposed Model No.: ENWJ

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Nicole DiChristina

Signed: *Nicole DiChristina*

Firm: Erie Metal Specialties, Inc.

Address: 13311 Main Rd., Akron, NY 14001

Phone: (716) 542-3991

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/5/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

ENWJ Series Wall System

Interior Joints (Wall)



Aluminum Wall and Ceiling system is capable of thermal movement. It mounts easily after final wall surface is complete. Standard with a clear anodize finish.

FEATURES

COORDINATING CORNERS Available with corner option for a complete solution.

ARCHITECTURAL AESTHETICS The sliding cover plate with a clear anodized finish provides a high-end appearance.

CONTINUOUS SIGHT LINE This system can be used on walls, ceilings and corners to provide seamless and continuous aesthetics.

DETAILS

MATERIAL 6063-T6 Aluminum

FINISH Clear Anodize

MOVEMENT

- Thermal: Horizontal

MOUNTING Surface

JOINT SIZE 1 inch to 3 inches

LENGTH 10 Linear Feet

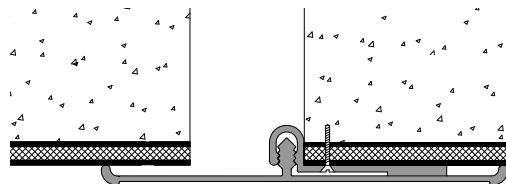
APPLICATION Interior

INSTALLATION Wall or Ceiling

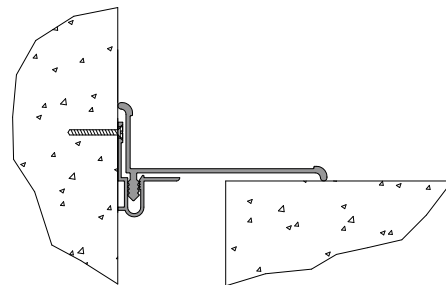
OPTIONS Moisture Barrier, Fire Barrier

MODELS

MODEL	INSTALLATION	JOINT SIZE AT MEAN T°F	SYSTEM WIDTH	TOTAL MOVEMENT
ENWJ-100	Wall-to-Wall	1" (25mm)	3" (76mm)	0.5" (13mm)
ENWJ-100W	Wall-to-Ceiling/Corner	1" (25mm)	3" (76mm)	0.5" (13mm)
ENWJ-150	Wall-to-Wall	1.5" (38mm)	4" (102mm)	2" (51mm)
ENWJ-200	Wall-to-Wall	2" (51mm)	5.75" (146mm)	2" (51mm)
ENWJ-200W	Wall-to-Ceiling/Corner	2" (51mm)	5.75" (146mm)	2" (51mm)
ENWJ-300	Wall-to-Wall	3" (76mm)	7" (178mm)	3" (76mm)
ENWJ-300W	Wall-to-Ceiling/Corner	3" (76mm)	7" (178mm)	3" (76mm)



Wall-to-Wall



Wall/Ceiling Corner



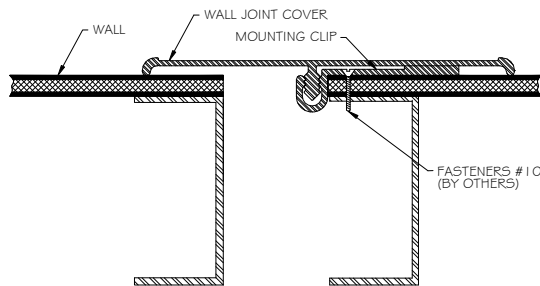
Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

Phone: 716-542-3991
Website: www.eriametal.com
E-Mail: sales@eriametal.com

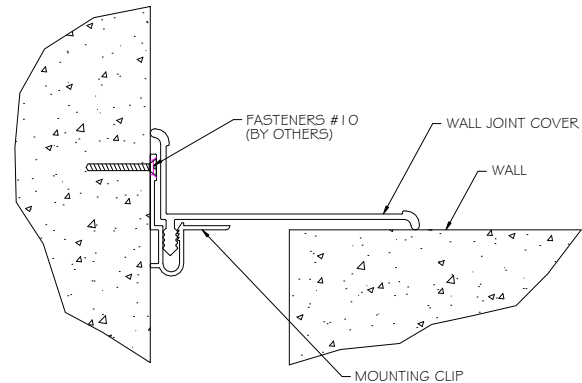


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ENWJ Series



ENJW-W Series

EMS supplies these items along with expansion joints:

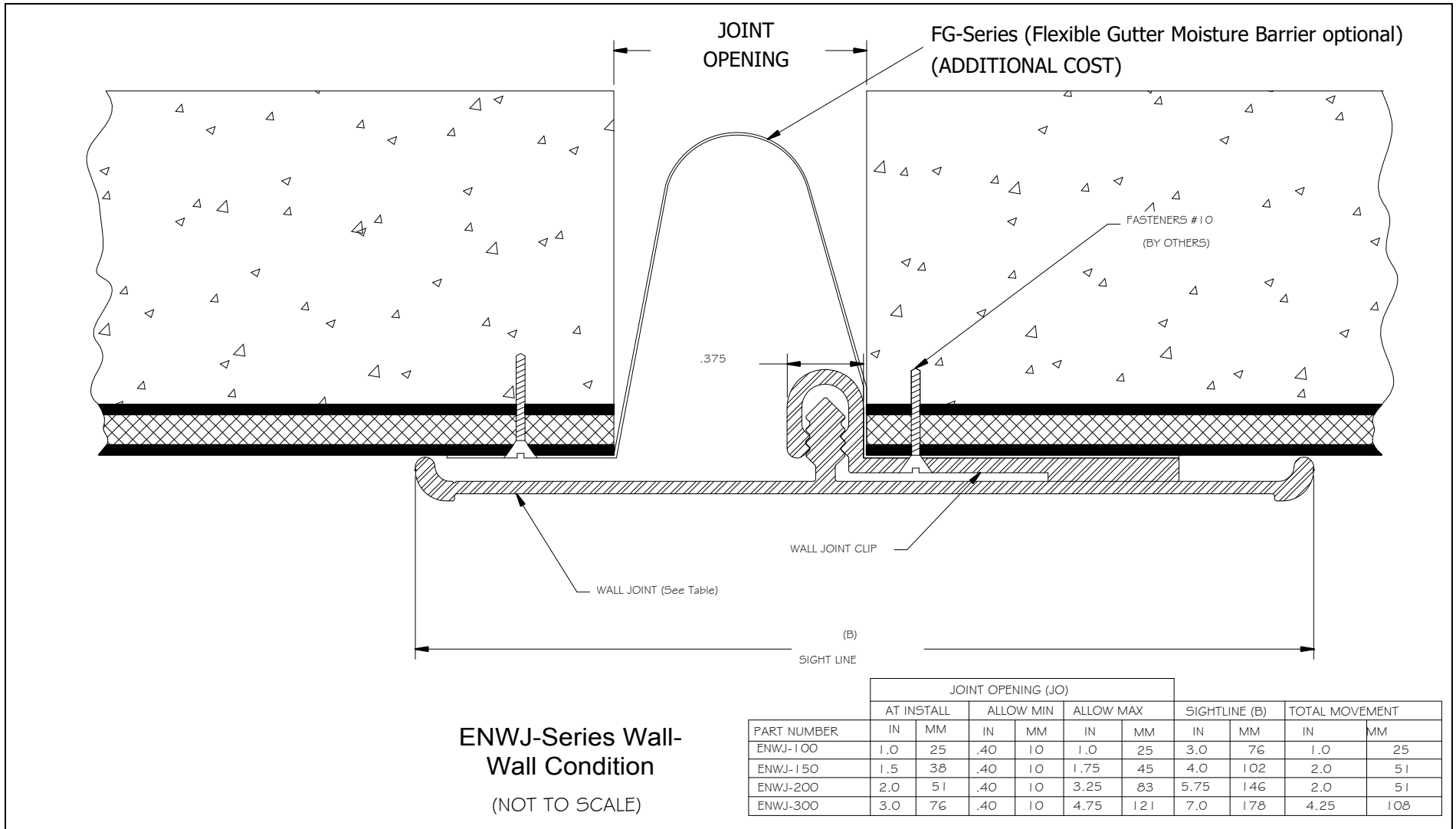
1. Mounting clips

Materials needed by installer:

1. Electric drill
2. Tape measure or ruler
3. Flathead self-tapping or drywall screws
4. Rubber mallet
5. Chop saw to cut joints to length
6. Plumb bob or level

Installation instructions

1. Measure floor to ceiling height and cut the joint cover to length.
2. Install the mounting clips on one side of the opening, spacing the clips approximately 24.00 inches on center. Use the edge of the joint cover to align the clips and assure that the installation is plumb. For corner condition, align underside of mounting clip to surface of wall.
3. Place the joint cover over the opening, aligning the male portion of the cover with the female portion of the mounting clip. Set the cover using a rubber mallet. Avoid excessive force, which may damage the joint cover.
4. The clear anodized cover may be left fully exposed or the recessed portion may be filled with wall covering, leaving a ¼ inch radius edge exposed.



NO.	Description	Date	By
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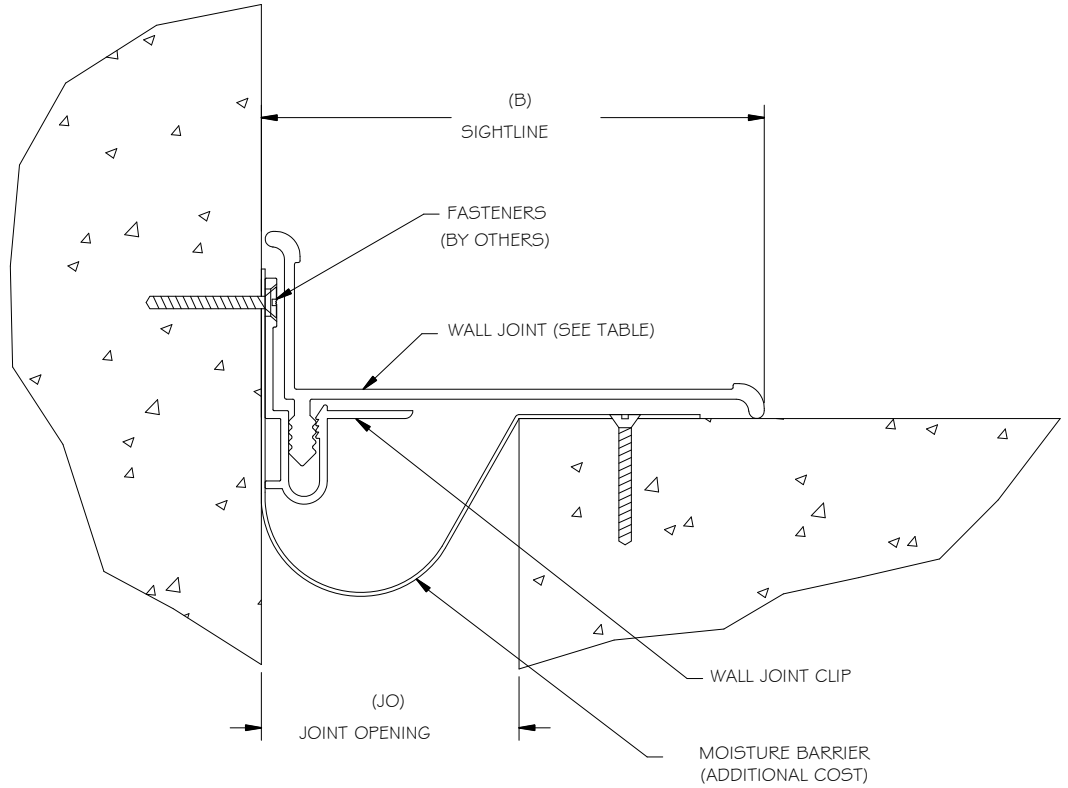
PROJECT:

TITLE:

Detailed by: BAF	Date: 10/21/17
Checked By: SLP	Date: 10/21/17
Scale: NTS	EMS Job #:
Sheet No.: 1 of 1	Drawing No.: ENWJ-Series



PLAN VIEW
(NOT TO SCALE)



SPECIFICATIONS:

- 6063-T6 ALUMINUM
- CLEAR ANODIZED FINISH
- WALL JOINT CLIPS MANUFACTURED WITH PREDRILLED HOLES
- STANDARD LENGTH = 10' SECTION
- MOISTURE BARRIER OPTIONAL

PART NUMBER	JOINT OPENING (JO)									
	AT INSTALL		ALLOW MIN		ALLOW MAX		SIGHTLINE (B)		TOTAL MOVEMENT	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
ENWJ-100W	1.0	25	.50	13	1.75	45	2.50	64	1.0	25
ENWJ-200W	2.0	51	.50	13	3.25	83	4.00	102	2.0	51
ENWJ-300W	3.0	76	.50	13	4.75	121	5.50	140	3.0	76

NO.	Description	Date	By

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 Phone: (716) 542-3991 • Fax: (716) 542-3996 • E-mail: sales@eriemetal.com

PROJECT:

TITLE:

Detailed by: BAF	Date: 10/21/17
Checked By: SLP	Date: 10/21/17
Scale: NTS	EMS Job #:
Sheet No.: 1 of 1	Drawing No.:

SECTION 00 43 25 - PRODUCT SUBSTITUTION REQUEST FORM

(Must be submitted a minimum of 14 days before the bid date)

Bidder: _____

Project No: **IFB 2023-188**

Project: **IFB 2023-188, Construction: CCADE Infirmiry Expansion**

Section: 079513, detail A531

Article/ Paragraph: Details (3,4/A531)

Proposed Substitution: EWJ-Series

Manufacturer: Erie Metal Specialties, Inc. Address: 13311 Main Rd., Akron, NY 14001

Telephone: (716) 542-3991 Proposed Model No.: EWJ

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its installation.

The undersigned warrants and represents:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by substitution.

Submitted By: Nicole DiChristina

Signed: *Nicole DiChristina*

Firm: Erie Metal Specialties, Inc.

Address: 13311 Main Rd., Akron, NY 14001

Phone: (716) 542-3991

REVIEW & ACTION (Initial)

- Substitution approved - Make submittals in accordance with Project Manual requirements.
- Substitution approved as noted - Make submittals in accordance with Project Manual requirements.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signature: Tracy Wilson

Date: 12/5/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports Other

EWJ-Series (Exterior Wall Joint)

FEATURES

WEATHER RESISTANT The combination of the visual seal and moisture barrier ensures the elements are kept outside.

CONTINUOUS SIGHT LINE This system can be used on wall, ceilings and corners to provide seamless and continuous aesthetics.

DETAILS

MATERIAL 6063-T6 Aluminum, Meets ASTM B209

FINISH Mill

MOVEMENT

- Thermal: Horizontal and Vertical
- Seismic: Lateral Shear

MOUNTING Recessed

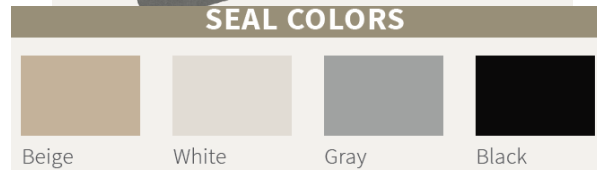
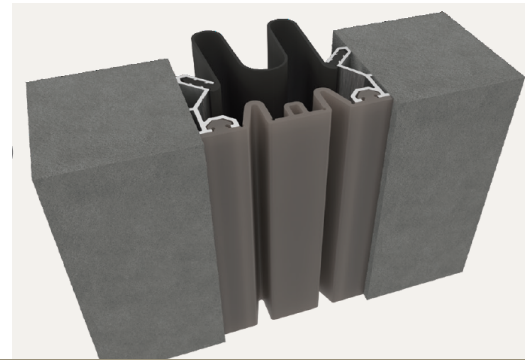
JOINT SIZE 2 inches to 24 inches

LENGTH Continuous

APPLICATION Exterior

INSTALLATION Wall or Ceiling

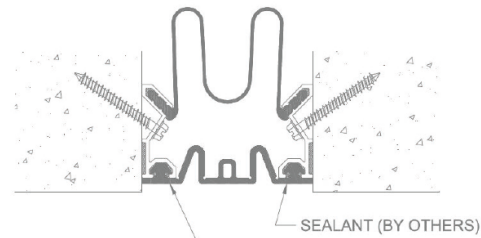
OPTIONS Additional size and material options available upon request.



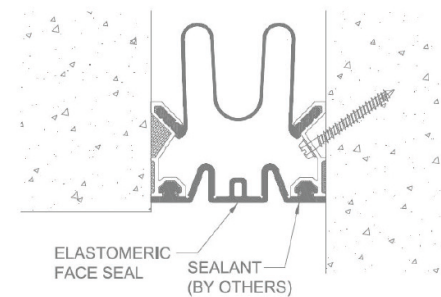
*For actual seal colors, please contact EMS for a seal sample

Sizes 4"+:

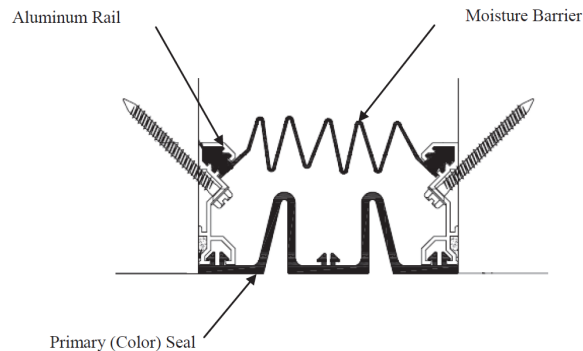
WALL/CEILING-TO-WALL/CEILING



WALL/CEILING-TO-CORNER



Sizes 2"-4":



MODEL	APPLICATION	JOINT SIZE AT MEAN T°F	EXPOSED SIGHT LINE	TOTAL MOVEMENT
EWJ-200	Wall/Ceiling to Wall/Ceiling	2" (51mm)	2" (51mm)	2" (51mm)
EWJ-300	Wall/Ceiling to Wall/Ceiling	3" (76mm)	3" (76mm)	3" (76mm)
EWJ-400	Wall/Ceiling to Wall/Ceiling	4" (102mm)	4" (102mm)	4" (102mm)
EWJ-500	Wall/Ceiling to Wall/Ceiling	5" (127mm)	5" (127mm)	5" (127mm)
EWJ-600	Wall/Ceiling to Wall/Ceiling	6" (152mm)	6" (152mm)	6" (152mm)
EWJ-800	Wall/Ceiling to Wall/Ceiling	8" (203mm)	8" (203mm)	8" (203mm)
EWJ-900	Wall/Ceiling to Wall/Ceiling	9" (229mm)	9" (229mm)	9" (229mm)
EWJ-1000	Wall/Ceiling to Wall/Ceiling	10" (254mm)	10" (254mm)	10" (254mm)
EWJ-1200	Wall/Ceiling to Wall/Ceiling	12" (305mm)	12" (305mm)	12" (305mm)

MODEL	APPLICATION	JOINT SIZE AT MEAN T°F	EXPOSED SIGHT LINE	TOTAL MOVEMENT
EWJ-1500	Wall/Ceiling to Wall/Ceiling	15" (381mm)	15" (381mm)	15" (381mm)
EWJ-1600	Wall/Ceiling to Wall/Ceiling	16" (406mm)	16" (406mm)	16" (406mm)
EWJ-1800	Wall/Ceiling to Wall/Ceiling	18" (457mm)	18" (457mm)	18" (457mm)
EWJ-2000	Wall/Ceiling to Wall/Ceiling	20" (508mm)	20" (508mm)	20" (508mm)
EWJ-2400	Wall/Ceiling to Wall/Ceiling	24" (610mm)	24" (610mm)	24" (610mm)
EWJ-200W	Wall/Ceiling to Corner	2" (51mm)	2" (51mm)	2" (51mm)
EWJ-300W	Wall/Ceiling to Corner	3" (76mm)	3" (76mm)	3" (76mm)
EWJ-400W	Wall/Ceiling to Corner	4" (102mm)	4" (102mm)	4" (102mm)



Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

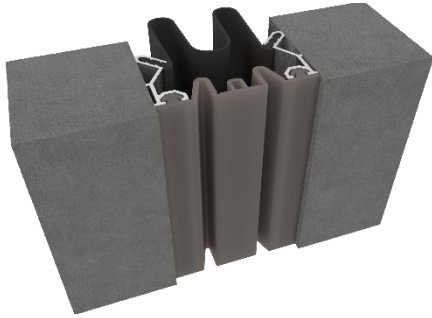
Phone: 716-542-3991
Website: www.eriemetal.com
E-Mail: sales@eriemetal.com

EWJ-Series Installation Instructions

SEISMIC ELASTOMERIC WALL & CEILING SYSTEM – EXTERIOR RECESSED APPLICATION

Model(s): EWJ/EWJw

EWJ Wall to Wall / Ceiling to Ceiling Cover System – 2” Through 6” Sizes



GENERAL DESCRIPTION

This Elastomeric Exterior Wall System is a weather resistant system that accommodates thermal and seismic movement. The visual seal matches many exterior building colors, and the rear moisture barrier prevents exterior moisture or condensation from entering the wall cavity.

Introduction + Safety

GENERAL SAFETY PRECAUTIONS Improper selection, installation, or use can cause personal injury or property damage. It is solely the responsibility of the user, through their own analysis, to select products suitable to the specific application requirements, ensure proper maintenance and use as intended. Follow local, state, and federal regulations for proper installation and operation requirements.

Please read the complete instructions carefully before beginning any work. To ensure proper installation and performance of the product, the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

Transportation + Storage

- Inspect all shipments and materials for missing or damaged components and hardware.
- Material must be stored in a clean, dry location.

Preparation

- Locate the packing slip(s) and shop drawings.
- Verify that all products listed on the packing slip are included in the package.
- Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without reporting damage, you waive your right to a freight claim and will be responsible for replacement cost.
- Read the instructions thoroughly before beginning installation.



Tool List

- Tape measure
- Chop saw to cut product to length
- Electric drill with 5/32" masonry bit & 3/16" metal bit
- Utility knife
- Sealant
- Structural adhesive
- Wood blocking

Included with the expansion joint system:

Ø3/16" X 1-3/4" Tapcon fasteners

Preinstallation

1. Ensure that the area where the expansion system is being installed is smooth and level.

INSTALLATION

1. Position aluminum extrusion in the expansion joint and mark hole locations at 18" OC. Drill Ø3/16" holes into the extrusions at the marked locations. When attaching to a concrete wall, drill a hole into the concrete at these locations with a Ø5/32" masonry bit. Repeat on the other side. **See Figure 1.**

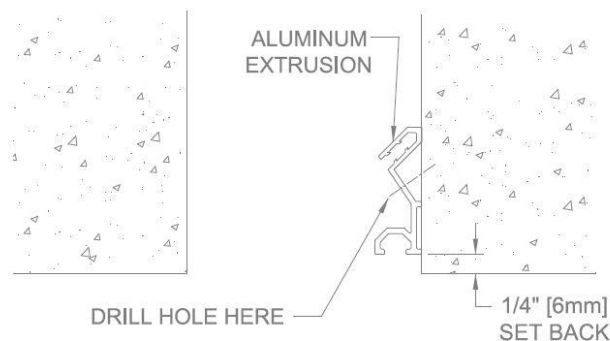


FIGURE 1



2. Apply a bead of sealant (by others) into the channel in the extrusion as shown. Attach the aluminum extrusions to the concrete wall using $\text{Ø}3/16$ " Tapcon anchors. For other substrates, use appropriate fasteners and methods. Extrusions should be flush to substrate to ensure a weathertight seal. **See Figure 2.**

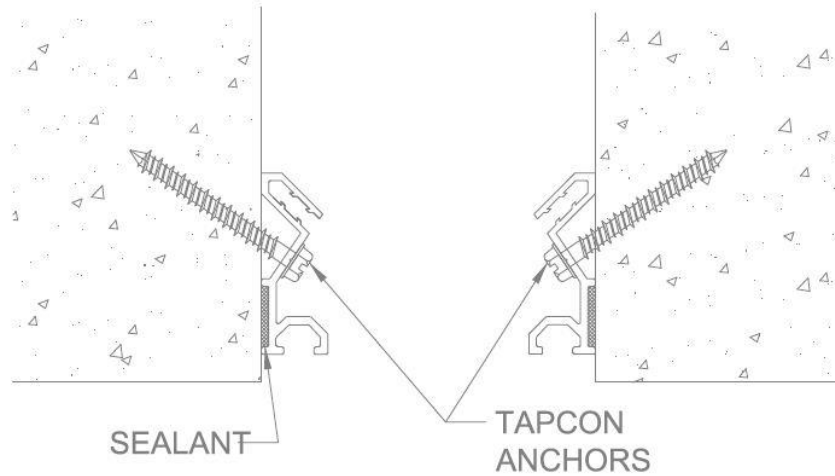


FIGURE 2

3. Apply a bead of sealant (by others) into the back channels of the extrusions. Install the back seal into these channels of the extrusion as shown. Make sure the bulbs of the back seal are firmly seated into the channels of the extrusion. **See Figure 3.**

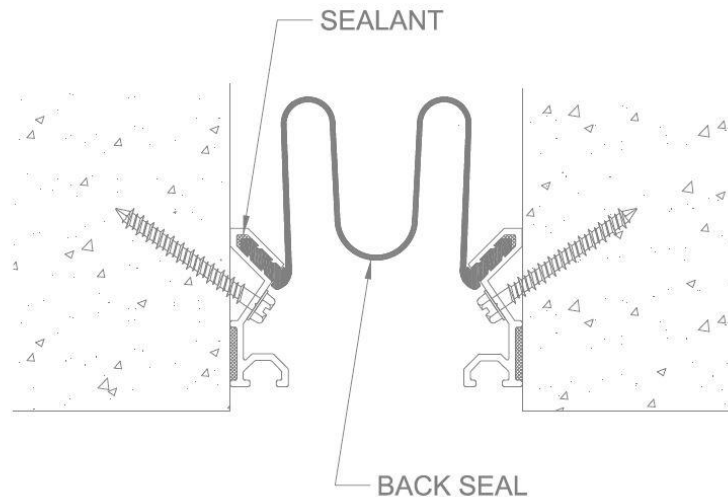


FIGURE 3

4. Position the elastomeric face seal into position and push the seals bulbs into the extrusion channels as shown. Make sure the bulbs are seated all the way into the channel. Do not stretch the seal lengthwise during installation. **See Figure 4.**

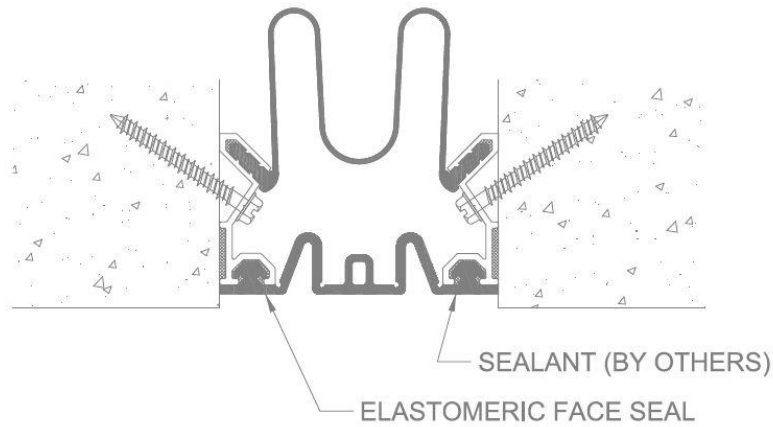
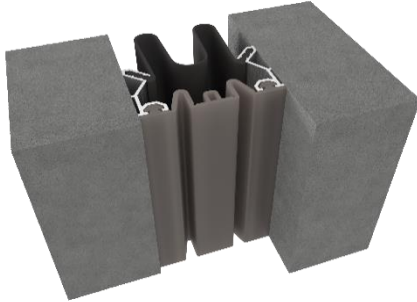


FIGURE 4

EWJw Wall to Corner System – 2” Through 4” Sizes



GENERAL DESCRIPTION

EMS' EWJw Elastomeric Exterior Wall System is designed to match the EWJ system in corner applications.

Preinstallation

1. Ensure that the area where the expansion system is being installed is smooth and level.

INSTALLATION

1. Position one of the frames onto the wall of the expansion joint and mark hole locations at 18” OC. (Reference shop drawings for more details) Drill $\text{Ø}3/16$ ” holes into the extrusions at the marked locations. When attaching to a concrete wall, drill a hole into the concrete at these locations with a $\text{Ø}5/32$ ” masonry bit. **See Figure 1**

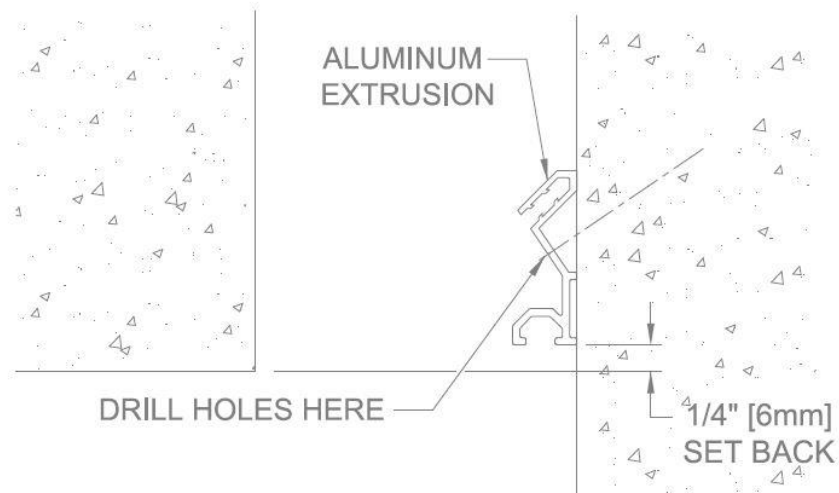


FIGURE 1

2. Apply a bead of sealant (by others) into the wall extrusion channel as shown. Attach the aluminum extrusions to the concrete wall using $\text{Ø}3/16$ " Tapcon anchors. For other substrates, use appropriate fasteners and methods. Extrusion should be flush to substrate to ensure a weathertight seal. **See Figure 2.**

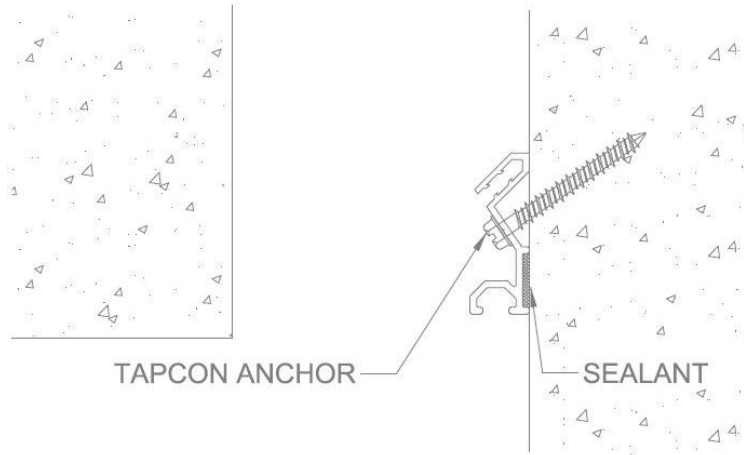


FIGURE 2

3. Apply structural adhesive (by installer) along the back side of the other extrusions prior to installation. (Follow adhesive manufacturer's guidelines) Mount the extrusion to the inside surface as shown, making sure it lines up with the wall extrusion. Extrusions should be flush to substrate to ensure a weathertight seal. (Also refer to shop drawings for more detail). **See Figure 3.**

Helpful Hint: Install temporary wood blocking to secure extrusion to wall while adhesive cures.

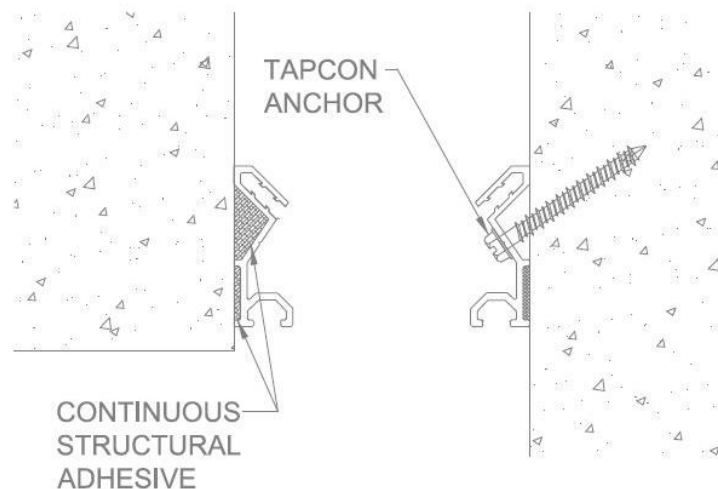


FIGURE 3

4. Before installing moisture barrier, apply sealant (by others) to the rear locking cavities of the aluminum. Position the moisture barrier and push the bulbs into the rear channel as shown.

See figure 4.

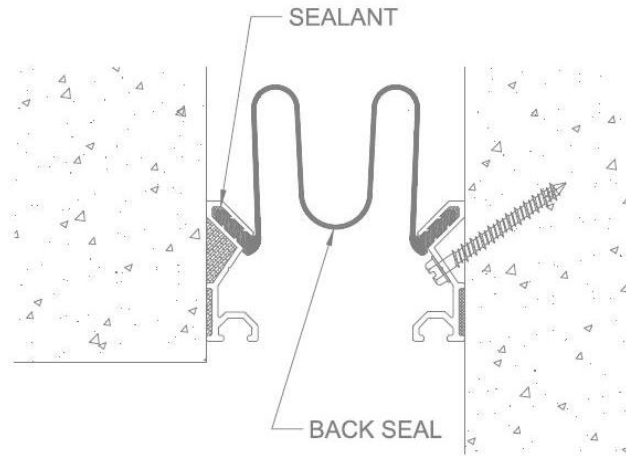


FIGURE 4

5. Repeat these instructions when installing the face seal. Make sure the bulbs are seated all the way into the channel. Do not stretch the seal lengthwise during installation. **See Figure 5.**

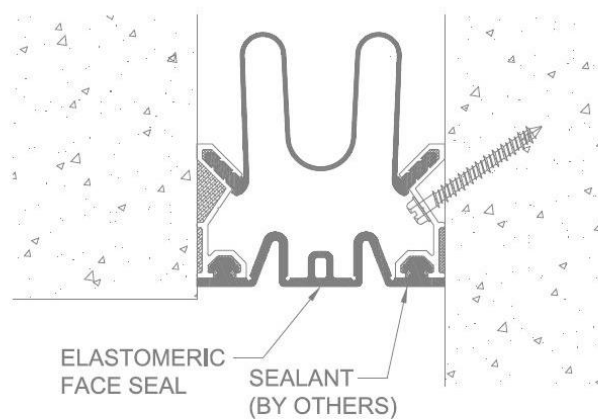


FIGURE 5

FIELD SPLICE FOR ELASTOMERIC V-SEAL

1. After determining the angle needed, use a miter box and a non-serrated saw (teeth removed) to cut ends of seal clean, straight and square. **See Figure 1**

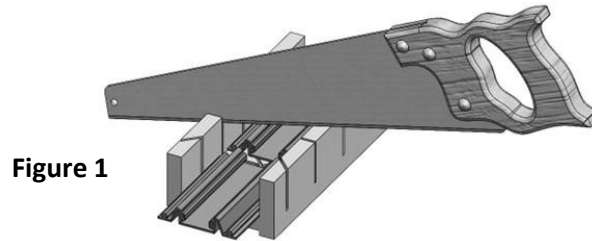


Figure 1

2. After donning the proper PPE, use a solvent (by others) that is safe for elastomeric materials and clean any residual material from the cut ends of the seals. Allow to dry prior to Step #3.

See Figure 2

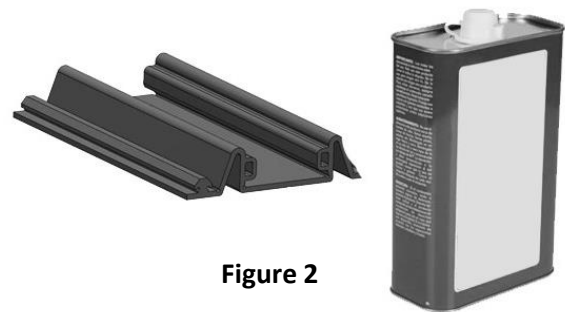


Figure 2

Straight Butt Splice

Insert splice clips (if required) (part # 27511) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding

ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 3**

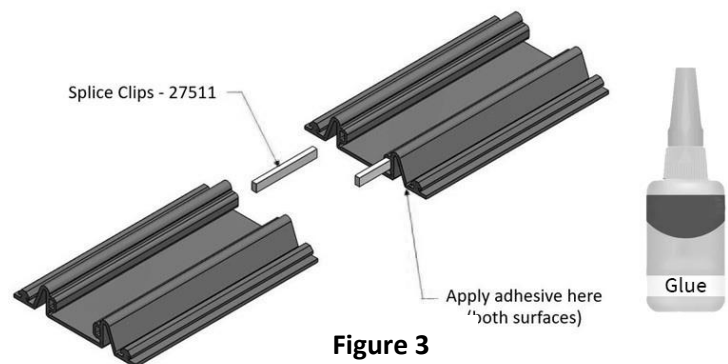


Figure 3

Vertical Outside Splice

Insert splice clips (if required) (part # 28090) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 4**

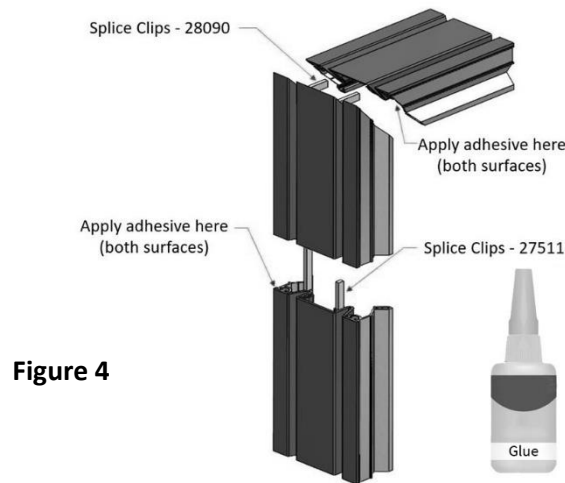


Figure 4

Vertical Inside Splice

Insert splice clips (if required) (part # 28090) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 5**

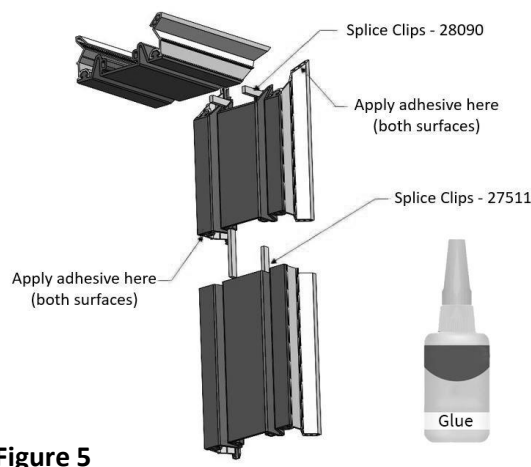


Figure 5



Horizontal Splice

Insert splice clips (if required) (part # 28091) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 6**

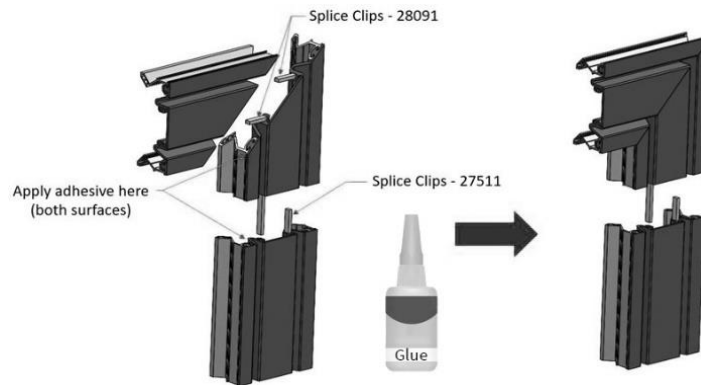


Figure 6

3. Recheck the splices after the adhesive has cured and reapply adhesive as necessary. Allow 15 minutes prior to installation of seal. Allow 24 hours for adhesive to fully cure and achieve proper working strength. Ensure that the splice of the seal is not within 2" of a joint in the aluminum extrusion, if possible.

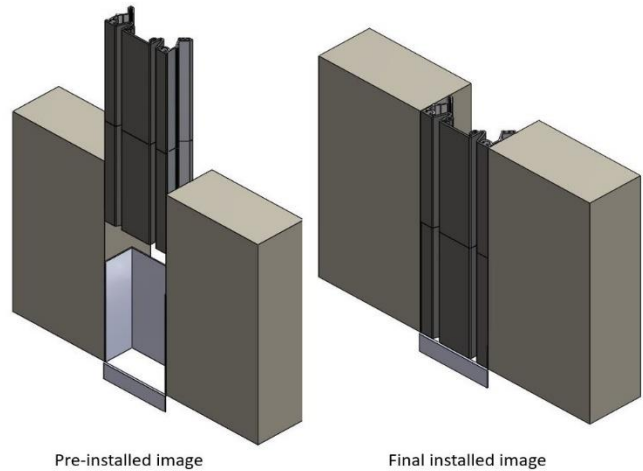
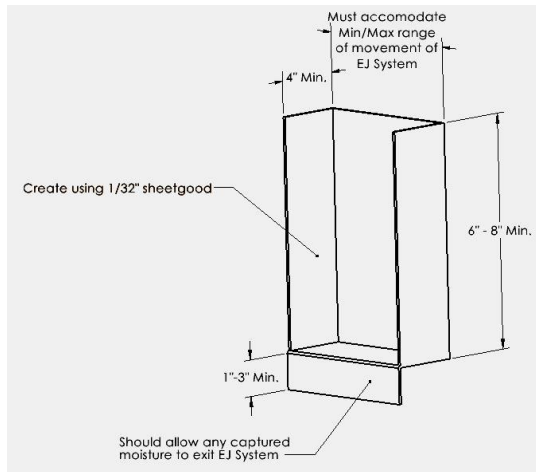
See Figure 7



Figure 7

4. EMS recommends the use of a “termination boot” at the base of the EWJ Expansion Joint System to aid in removing any moisture that may accumulate between the Visual Seal and Moisture Barrier. This component should be in place prior to the EJ System installation.

Note: Termination Boot can be made of Elastomeric Sheet Good found on the jobsite, but the Boot must be created to accommodate the minimum and maximum movement criteria of the specific system being installed. Boot must also be watertight.



SPECIFICATION

Division 07900

EWJ-Series System [Exterior Wall Joint System]

PART 1 - GENERAL

1.01 Work Included

- A. The work shall consist of furnishing and installing expansion joints in accordance with the details shown on the plans and the requirements of the specifications. The joints are proprietary designs utilizing extruded elastomeric seals and aluminum profiles
- B. Related Work
 - Miscellaneous and ornamental metals
 - Flashing and sheet metal
 - Sealants and caulking

1.02 Submittals

- A. Template Drawings - Submit typical seismic joint cross-section(s) indicating pertinent dimensioning, general construction, component connections, and anchorage methods.

1.03 Product Delivery, Storage and Handling

- A. Deliver products in each manufacturer's original, intact, labeled containers and store under cover in a dry location until installed. Store off the ground, protect from weather and construction activities.

1.04 Acceptable Manufacturer

- A. All joints shall be as designed and manufactured by EMS, Inc., 13311 Main Road, Akron, New York 14001.
- B. Alternate manufacturers and their products will be considered, provided they meet the design concept and are produced of materials that are equal to or superior to those called for in the base product specification.
- C. Any proposed alternate systems must be submitted and receive approval 21 days prior to the bid. All post bid submittals will not be considered. This submission shall be in accordance with MATERIALS AND SUBSTITUTIONS.

Any manufacturer wishing to submit for prior approval must provide the following:

1. A working 6" sample of the proposed system with a letter describing how system is considered superior to the specified system.
2. A project proposal drawing that illustrates the recommended alternate system installed in the vertical construction that is specific to the project. Typical catalog cut sections will not be considered.
3. Any substitution products not adhering to all specification requirements herein, will not be considered.

1.05 Quality Assurance

- A. Manufacturer: Shall have a minimum of ten (10) years of experience specializing in the design and manufacture of expansion joint systems.

PART 2 - PRODUCT

2.01 General

- A. Provide an exterior wall joint system that shows no exposed aluminum surfaces incorporating specially engineered elastomeric seals to facilitate movement. The system shall be capable of accommodating multi-directional movement without stress to its components. A secondary seal placed into the edge rails shall function as a moisture barrier in the exterior of the building. In openings greater than 6 inches manufacturer is to provide a system incorporating multiple seals demonstrating movement without sag or distortion to the seal element. Single seal systems in openings greater than 6 inches that are simply supported by a preformed spring clip will not be allowed.
Provide exterior wall joint, Model EWJ-series as manufactured by EMS, Inc. and as indicated on drawings.

2.02 Materials

- A. Aluminum Extrusions - Material shall conform to properties of ASTM B221, alloy 6063-T5.
- B. Visual Seal - Extruded Elastomeric profile shall be designed with side lugs that mechanically lock into a corresponding aluminum profile. Incorporate features that allow a mechanical connection at all splices between sectional lengths of seal. Material shall be Santoprene material exhibiting a shore A hardness of 64 +/-5.

Standard colors are: black, beige, gray and white. Optional custom colors available: Select from manufacturers standard color offering.

C. Secondary Functional Seal - Extruded Elastomeric profile shall be designed utilizing a serpentine configuration allowing maximum movement and flexibility. Its side lugs shall mechanically lock into a corresponding aluminum profile. Utilization of a common flat sheet good material will not be acceptable.

D. Seismic-Centering Bar - (multiple seal systems only)
Shall exhibit circular sphered ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Bar shall be molded or manufactured incorporating corrosion resistant nylon components with sphered ends and 1” wide standard cross member for standard applications. Spacing shall be per manufacturer’s recommendation and standard details. Utilize for 8 thru 12 inch openings and in combination with the pantograph control mechanism on 16, 20 and 24 inch openings

Bar shall exhibit the following physical properties to demonstrate ability to resist corrosion and fatigue.

PHYSICAL PROPERTIES

Molded End Profile:

Material :	Nylon
Color:	Black
Tensile Strength @ break:	ASTM D638 25,500 psi

Cross-Member:

Material:	Pre-tempered spring steel
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Damage Mitigation - Test Requirements:

Seismic-centering bar must exhibit ability to disengage (controlled release) from expansion joint edge member(s) when seismic movement exceeds the specified maximum allowable opening. Submit independent test report demonstrating required design of seismic-centering bar.

Requirements

a) Equipment:	- Instron Machine
b) Orientation:	- Specimen subjected to tensile load with cross member parallel to direction of load
c) Specimens:	- Test 4(min)– select at random
d) Disengagement range (lbs) :	- 800 (min.) – 1250 (max.)

- E. Pantograph Control Mechanism - The mechanism shall be manufactured from corrosion resistant molded nylon components utilizing stainless steel threaded fasteners during factory assembly. The pantograph mechanism shall be shipped to the jobsite and installed with a maximum spacing of 30". Where applicable, modify spacing for project specific exterior wind load requirements. Utilize for 9 inch openings and those ranging from 15 thru 24 inches.
- F. Adhesive - Provide EMS adhesive to install both visual and secondary elastomeric seals at exterior or other areas exposed to moisture. The adhesive shall be a one part moisture curing polyurethane and aromatic hydrocarbon solvent mixture which complies with ASTM D-4070.
- G. Bedding Sealant - Furnish manufacturer's recommended polyurethane sealant for bedding compound when securing aluminum extrusions to adjacent construction at exterior or other areas exposed to moisture. Color: Black.
- H. Hardware - Provide manufacturer's standard self-tapping screw including plastic masonry insert anchor. Diameter shall be 1/4" (min.) with a maximum spacing of 18" o.c.
- I. Accessories - Provide necessary and related parts for the installation.

2.03 Fabrication

- A. Aluminum extrusions shall be supplied in 10 ft. lengths. The contractor shall be responsible for field cutting the extrusion to obtain the proper joint profile. All cutting and mitering of the seal required at directional changes shall be performed by the contractor in a neat and workmanlike manner utilizing manufacturer's standard splice procedures and recommendations.
- B. All anchor holes shall be field drilled in accordance with manufacturer's drawings. Spacing shall be a maximum of 18" o.c.
- C. Pantograph Control Mechanism (where applicable) - Provide factory assembled mechanisms ready for field installation.

2.04 Finishes

- A. Aluminum edge rails shall be 10 feet long and have a mill finish.
- B. Elastomeric seals shall be supplied in standard colors - Black, beige, white and gray. Optional custom colors available through manufacturer's standard offering.

PART 3 - EXECUTION

3.01 Installation

- A. Protect all expansion joint component parts from damage during installation and thereafter until completion of structure.
- B. Expansion joint systems shall be installed in strict accordance with the manufacturer's typical details and instructions along with the advice of their qualified representative.
- C. Contractor shall provide proper and adequate adjacent construction to receive and support the seismic expansion control joint system. The supporting framework shall be of design to secure all threaded hardware and provide rigidity for the proper installation and function of the joint system.

3.02 Clean and Protect

- A. Protect system and its components during construction. After work is complete in adjacent areas clean exposed surfaces with a suitable cleaner that will not harm or attack the elastomeric material.

END OF SECTION



ERIE METAL
SPECIALTIES

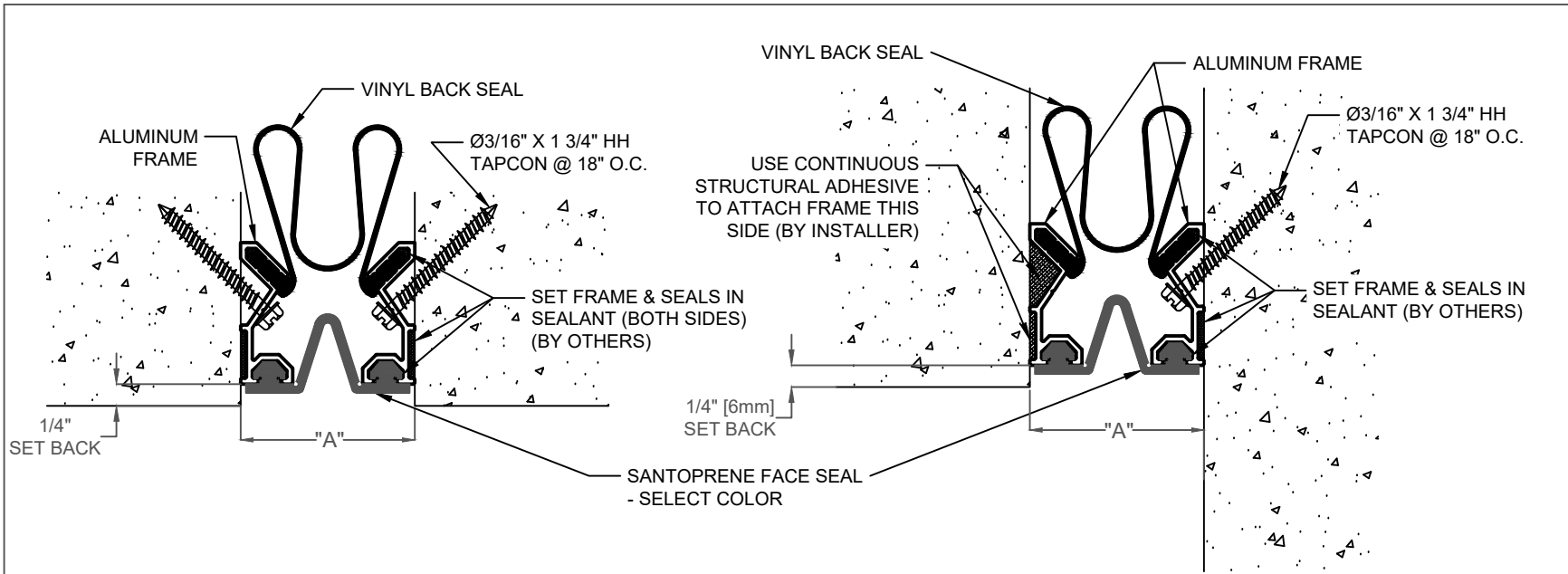
Seal Color Selection

Expansion Joint – 07 90 00
Rubber Seals

Erie Metal Specialties EWJ Color Selection



Please Note- These colors shown are a close approximation of the actual seal colors, and are to be used only for reference.



SEAL COLOR SELECTOR			
BLACK	_____	WHITE	_____
BEIGE	_____	GRAY	_____

EXTERIOR WALL & CEILING/CORNER FLAT SYSTEM

MOVEMENT: +/- 50% NOMINAL JOINT WIDTH
 STOCK LENGTHS: ALUMINUM FRAMES: 10'
 SEAL: CONTINUOUS

PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line: IN(MM)	Total Movement IN (MM)
EWJ-200	Wall/Ceiling	2.00" (51)	2.00" (51)	2.00" (51)
ELCE-200W	Wall/Ceiling Corner	2.00" (51)	2.00" (51)	2.00" (51)

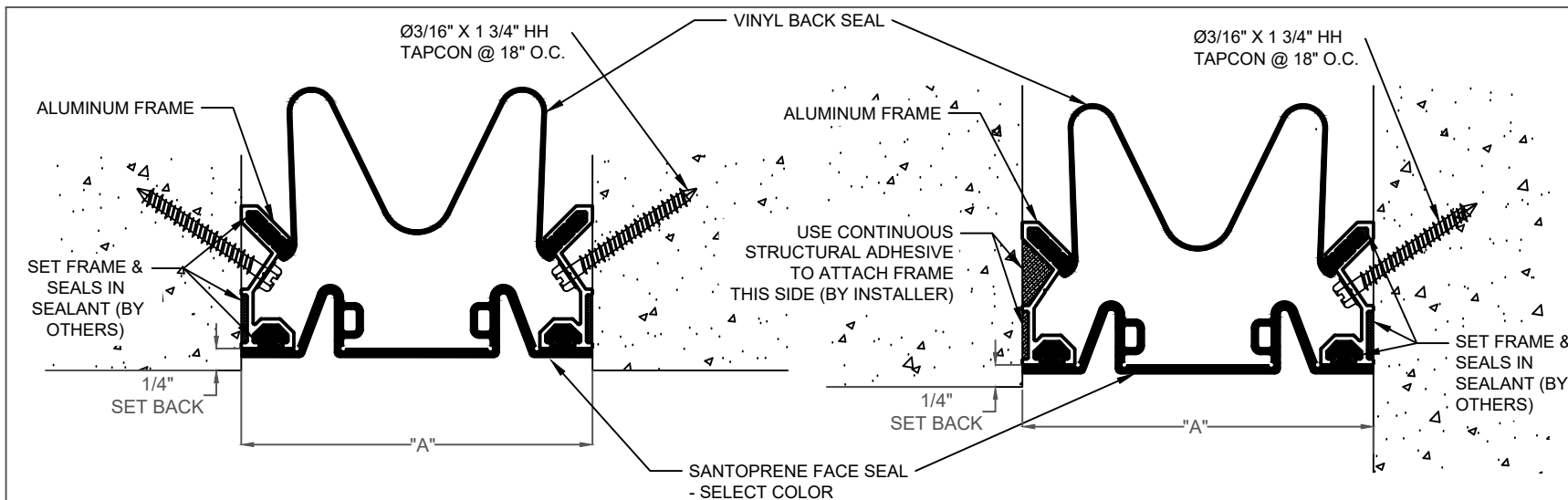
NO.	Description	Date	By
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13311 Main Road * Akron * New York * 14001
 Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT:
TITLE: EWJ-200/200W

Detailed by:	Date:
BAF	10/21/17
Checked by:	Date:
SLP	10/21/17
Scale:	EMS Job #:
NTS	
Sheet No.:	Drawing No.:
1 of 1	EWJ-1



*Wall/Ceiling Sizes Up To 24" (contact EMS for info)

SEAL COLOR SELECTOR	
BLACK _____	WHITE _____
BEIGE _____	GRAY _____

EXTERIOR WALL & CEILING/CORNER FLAT SYSTEM

MOVEMENT: +/- 50% NOMINAL JOINT WIDTH
 STOCK LENGTHS: ALUMINUM FRAMES: 10'
 SEAL: CONTINUOUS

PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line: IN(MM)	Total Movement IN (MM)
EWJ-300	Wall/Ceiling	3.00" (76)	3.00" (76)	3.00" (76)
EWJ-400	Wall/Ceiling	4.00" (102)	4.00" (102)	4.00" (102)
EWJ-500	Wall/Ceiling	5.00" (127)	5.00" (127)	5.00" (127)
EWJ-600	Wall/Ceiling	6.00" (152)	6.00" (152)	6.00" (152)
EWJ-300W	Wall/Ceiling Corner	3.00" (76)	3.00" (76)	3.00" (76)
EWJ-400W	Wall/Ceiling Corner	4.00" (102)	4.00" (102)	4.00" (102)

NO.	Description	Date	By
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13311 Main Road * Akron * New York * 14001
 Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT: _____

TITLE: EWJ-300/300W, 400/400W, 500, 600

Detailed by:	Date:
BAF	10/21/17
Checked by:	Date:
SLP	10/21/17
Scale:	EMS Job #:
NTS	
Sheet No.:	Drawing No.:
1 of 1	EWJ-1

Public Questions & Answers

Event Information

Number: 2023-398 Addendum 5
Title: CCADF Medical Mental Health Expansion
Type: Competitive Sealed Proposal
Issue Date: 10/10/2023
Question Deadline: 11/16/2023 05:00 PM (CT)
Response Deadline: 12/14/2023 02:00 PM (CT)
Notes: Expansion project to the Collin County Adult Detention Facility (CCADF) to increase medical / mental health housing. The scope includes a two-story addition to the existing facility and a partial renovation of the current infirmary area. The project will provide additional medical isolation beds, flexible medical orientation beds, acute beds, high acute beds, and subacute beds.

The project is staged in three phases, this is to keep the existing vehicle sally port in operation until the Phase 1 vehicle sallyport is complete and operational.

Published Questions

Question: Detention showers DSH-1, DSH-1H, and DSH-2H on plumbing schedule drawings P001 and P002 have notes that state "provide FD-1 for all showers". Please confirm that only floor drains as indicated on the plans are required and not a single FD-1 per shower tag.

Answer: Detention shower base will be resinous flooring per architects and will require FD-1 as drain. Contractor to include furnishing and installing drain (FD-1) for each shower.

Asked: 11/16/2023 04:24 PM (CT)

Question: Specification section 22 05 29 - 2.1H details a pipe void system. There are no notes, details, or other indications on the plumbing drawings that indicate the use of a pipe void system. Will such a system be required for the below grade plumbing systems? If a pipe void system is required, please provide installation detail drawings and indicate on the plumbing plans where the system is to be installed.

Answer: The plumbing void system was omitted in plan ADD 5. Section 2H from specification 23 05 29 will be omitted in the Architect's Addendum C.

Asked: 11/16/2023 04:24 PM (CT)

Question: Please confirm requirement for E-Verify of employees.

Answer: Correct. E-Verify is required per Commissioners Court Order No. 2010-259-04-12.

Asked: 11/16/2023 04:23 PM (CT)

Question: Please confirm that during construction of Phase B the contractor will have access to the existing road leading to the Phase B area and will have access to the existing parking lot adjacent to that road for staging and laydown.

Answer: Correct. During Phase B construction the contractor will have access to the existing road, and the existing adjacent parking lot.

Asked: 11/16/2023 04:11 PM (CT)

Question: Please confirm parking for the contractors and the subcontractors will be located on site.

Answer: That is correct.

Asked: 11/16/2023 04:10 PM (CT)

Question: Please confirm this project requires all contractors to abide by E-Verify guidelines.

Answer: Correct. E-Verify is required per Commissioners Court Order No. 2010-259-04-12.

Asked: 11/16/2023 04:10 PM (CT)

Question: Please confirm the land north of the new parking lot being installed adjacent to the new loading dock access road can be used for construction trailers and laydown area.

Answer: This is a high pressure gas easement and therefore cannot be used as a laydown area.

Asked: 11/16/2023 04:10 PM (CT)

Question: Reference TOC for specification section 09 67 23 "resinous flooring", please provide this specification.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/16/2023 03:10 PM (CT)

Question: Specification 09 67 23 - RESINOUS FLOORING is indicated in the table of contents, but does not appear to have been included in the bid documents. Please advise.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/16/2023 02:24 PM (CT)

Question: The existing fire alarm system consists of several EST3 Fire Alarm panels. The EST 3 is now obsolete as are the existing detectors. The EST3 has been replaced with EST4 but the two can't be network interfaced. What is the plan for integrating the new building system to the existing?

Answer: The specification 28 31 10 is revised in the Architect's Addendum C to state Edwards EST is the only acceptable manufacturer.

Asked: 11/16/2023 11:14 AM (CT)

Question: Reference C101 - please confirm which items can or cannot be removed before new utility work is installed. Specifically, water and storm. This has a significant impact on when structural work can start.

Answer: The contractor will need to ensure the FDC is reconnected to an active water line prior to the existing connection to the FDC is removed. The rest of the water and storm can be removed without the new utility work being installed and completed.

Asked: 11/16/2023 10:16 AM (CT)

Question: Per drawings ES301 and ES302, details call out to provide a enclosed metal raceway above the SEC cabinets. Will the EC be providing this or is this the responsibility of the SEC contractor?

Answer: The enclosed metal raceway in electronic security rooms is typical done by Division 28 contractor but it will be up to General Contractor to assign this scope of work to either the Division 26 or Division 28 contractor.

Asked: 11/16/2023 09:57 AM (CT)

Question: Drawing ES241, doors 2506, 2508, and 2520 in Corridor 2510, are missing Card Readers, but have a request to exit button. Should these doors have a reader or only be controlled by the touch screens?

Answer: Doors #2506 & #2508 do require card readers. They have been corrected in the Architect's Addendum C. Door #2520 is used as an egress in base bid, in Alt #5 the card reader will be added as shown on sheet ES242.

Asked: 11/16/2023 09:32 AM (CT)

Question: Drawing ES236, Alternate #5, cells D1546-D1551 show the cell intercoms to be a lighter color grey. Is the intent to NOT include these in the alternate #5 price?

Answer: These intercoms are part of alternate #5 but shown incorrect on drawings. They have been corrected in the Architect's Addendum C.

Asked: 11/16/2023 09:28 AM (CT)

Question: Can a list of the prebid attendees from both prebids be provided please?

Answer: Yes. Please refer to Addendum No. 4.

Asked: 11/16/2023 09:24 AM (CT)

Question: The new overall site plan A101 shows three security pedestrian gates that connect to the male acute building (alternate 5) that is no longer needed. Are the D02G, D03G and D04G gates still needed?

Answer: Pedestrian gates #D01G, #D012G, #D03G and #D05G will be constructed under base bid. These four gates have been changed to DPS monitored. Gate #D04g will also have a DPS and be added as Alternate #5. Refer to the Architect's Addendum C for current design.

Asked: 11/16/2023 09:17 AM (CT)

Question: Please confirm finishes at IT 2523 through Temp Prop 2529, finish plans on A815 cut off this area and do not show the corridor or the rooms. Please confirm if scope is needed.

Answer: Please refer to the Architect's Addendum C. VS1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:58 AM (CT)

Question: Please confirm the finishes in Corridor 2502 shown on A813.

Answer: Please refer to the Architect's Addendum C. VS1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:57 AM (CT)

Question: Please confirm the finishes in Corridor shown on sheet A817. There are no tags shown.

Answer: Please refer to the Architect's Addendum C. VS1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:57 AM (CT)

Question: Please confirm the finishes at the south corridor and staircase shown on sheet A816. There are no tags shown.

Answer: Please refer to the Architect's Addendum C. RF1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:56 AM (CT)

Question: Please confirm the finishes in Corridor 1800 shown on sheet A814. There are no tags shown.

Answer: Please refer to the Architect's Addendum C. Finish tags are provided on the right side; VS1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:56 AM (CT)

Question: Please confirm the finishes in room ST04 shown on sheet A812. There are no tags shown.

Answer: Please refer to the Architect's Addendum C. RF1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:56 AM (CT)

Question: Please confirm the finishes in Corridor 1810 shown on sheet A813. There are no tags shown.

Answer: Please refer to the Architect's Addendum C. VS1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/16/2023 08:55 AM (CT)

Question: Please confirm the finishes in Elevator 1 on sheet A812. There are no tags shown.

Answer: Refer to 14 21 23 Electric Traction Passenger Elevators, 2.2.B.7 for all stainless interior.

Asked: 11/16/2023 08:54 AM (CT)

Question: As built drawings for the existing area renovation will be useful for accurate fire alarm pricing. Please provide.

Answer: The as-built drawings will be made available after award.

Asked: 11/16/2023 08:51 AM (CT)

Question: Specification Section 283146, Aspirating Smoke Detection System refers to areas designated on the construction drawings. The construction drawings do not designate the areas. In what area or areas will this aspirating smoke detection system be required?

Answer: This section was removed in a prior Addendum.

Asked: 11/16/2023 08:50 AM (CT)

Question: Pertaining to the fire alarm, the bid documents don't include a sequence of operations and graphic panel design. This will need to be furnished by a licensed mechanical engineer. Please provide with the next addendum.

Answer: Refer to plan sheet M121 - M125 and M403 and specification section 230993. Specification section 230993 is added in the Architect's Addendum C.

Asked: 11/16/2023 08:50 AM (CT)

Question: Reference C119, please confirm the required security measures while excavation occurs for sanitary tie-in (temp fences, barricades, etc) inside the secure fence perimeter.

Answer: Use the standard safety measures as you would any borehole. Do not cut or lift up the fence in any way. Contractors may get their equipment in and out of the secure area through the double gates at the NE corner.

Asked: 11/15/2023 04:45 PM (CT)

Question: Is the mandatory prebid meeting sign in sheet available?

Answer: Yes. Please refer to Addendum No. 4.

Asked: 11/15/2023 10:29 AM (CT)

Question: The 075423 Thermoplastic Polyolefin TPO Roofing specs calls out for a substrate board between the substrate and the vapor barrier. This is usually not needed as the vapor barrier can be adhered directly to the concrete. Please advise.

Answer: The specifications have been revised to eliminate concrete decks in the Architect's Addendum C.

Asked: 11/14/2023 05:45 PM (CT)

Question: There are no roof details for the exhaust fans, duct supports, roof screen supports, wall flashings, expansion joints, etc. Please provide.

Answer: Typical roof penetration details are provided on A293. For mechanical reference sheets M401 and M402. Roof mounted duct detail added to M402. Refer to architectural for roof details including flashings and expansion joints.

Asked: 11/14/2023 05:44 PM (CT)

Question: The 075423 Thermoplastic Polyolefin TPO Roofing specs call for a 30-year NDL Warranty with a 60-mil TPO membrane. You cannot receive a 30-year NDL Warranty with 60-mil, you can only receive it with an 80-mil membrane. Please advise.

Answer: Please provide a 20-year warranty. See the Architect's Addendum C.

Asked: 11/14/2023 05:42 PM (CT)

Question: Please confirm the finishes at room ST01 on A812. No tags are shown on the drawings.

Answer: Please refer to the following finishes issued in the Architect's Addendum C. RF1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/14/2023 05:29 PM (CT)

Question: Please confirm the finishes in Corridor 1262. No tags are shown on the drawings.

Answer: Please refer to the following finishes issued in the Architect's Addendum C. VS1 is flooring, RB1 is wall base, P1 is walls.

Asked: 11/14/2023 05:27 PM (CT)

Question: Table of contents has listed sections #050527 - Security Screws And Fasteners and #055000 – Metal Fabrications. Neither are included in specifications, please provide if available.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/14/2023 03:37 PM (CT)

Question: Roof Screens – Spec Section #108215 calls for premanufactured roof screen system by RoofScreen Mfg using cantilevered SC3 and non-cantilevered NC3 support framing. a. Roof Screen MFG saying that the systems specified will not meet requirements and NC-5 system will be required based upon their design criteria if they are to provide support framing. This spec is in conflict with structural drawings showing support framing. b. Structural drawings show a designed support system which would be provided under Division 5, at which only panels would be provided under section #108215. c. Please advise as to which is expected method for roof screen support framing.

Answer: Please refer to the previous response. "A290 calls out for "FABRICATED ROOF EQUIPMENT SCREENING", these are the ones that structural has detailed. These screens will need flat metal panel to hide equipment per 8/A293 (City of McKinney requires screening to not be louvers). On the EXISTING roof the Architect has noted "ROOF EQUIPMENT SCREEN PRE-FABRICATED, REF SPECS" because this is an existing roof and the pre-fabricated is a better option on an existing roof. If there is a cost savings for doing it all as pre-fabricated then that would be an option the County would be open to reviewing."

Asked: 11/14/2023 03:37 PM (CT)

Question: The glazing schedule on D704 does not provide enough information on glazing systems. Please provide all necessary information (i.e. materials, layers, thickness, attack rating, etc.) in order to properly price detention glazing for the project.

Answer: Please refer to section 08 88 53, Security Glazing in the Architect's Addendum C.

Asked: 11/14/2023 09:32 AM (CT)

Question: In conversation with the roof screen manufacturer and based upon their design criteria, neither the SC-3 nor the NC-3 will be feasible for use on this project and the NC-5 system will have to be used. Please advise.

Answer: Please see the revision to NC-5 in the Architect's Addendum C.

Asked: 11/13/2023 03:56 PM (CT)

Question: Are the exterior frames at the stair wells detention hollow metal?

Answer: Yes.

Asked: 11/13/2023 03:56 PM (CT)

Question: Are frames labeled X3 @ rooms 1208/1209 on A231 hollow metal or alum SF and is the glass std 1/4"?

Answer: See "X3" on A701, glazing on A901 in the Architect's Addendum C.

Asked: 11/13/2023 03:56 PM (CT)

Question: Is the borrowed lite at door 1250 hollow metal or alum storefront?

Answer: They are hollow metal. Aluminum storefront is at public visitation entry vestibule only.

Asked: 11/13/2023 03:56 PM (CT)

Question: Which door frames are details 1, 2, 3, 9, & 10 on A704 for? These are noted as alum KD framing, but no doors or frames are noted to be alum on schedule.

Answer: Please refer to the updated A704 in the Architect's Addendum C.

Asked: 11/13/2023 03:55 PM (CT)

Question: Can we please get a window schedule for any aluminum SF or std hollow metal frames (non-detention HM)?

Answer: Windows are shown on building elevations. Refer to A401, in the Architect's Addendum C.

Asked: 11/13/2023 03:55 PM (CT)

Question: If the above frames are AL SF, are we to assume doors 1719A&B are AL SF and not HMTL as noted on door schedule and per door details?

Answer: Correct. Please refer to the Architect's Addendum C.

Asked: 11/13/2023 03:55 PM (CT)

Question: Is the framing at vestibule 1719 on A235 aluminum storefront framing or hollow metal framing? Noted as HMTL on exterior elev (1/A401) but as SF on wall section 13/A512.

Answer: It is aluminum. Please refer to the Architect's Addendum C.

Asked: 11/13/2023 03:55 PM (CT)

Question: Glass spec 088000 is noted in the T.O.C. of the specs but appears to be missing from the div 08 specs. Please provide this spec.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/13/2023 03:54 PM (CT)

Question: Current thoughts on site logistics could require 1 or 2 tower cranes. Please confirm the available power at the central plant to service the cranes at the structural phase of the project. Current requirements would look to be 480 volt and 350 amps for each crane.

Answer: Contractor would need to coordinate this method of construction if selected. There is a high voltage line (25kV) that could be utilized if this method of construction used. The contractor would be responsible for providing a temporary transformer from 25kV to 480 for the tower crane. Any electrical disruptions should be kept to minimum to allow for the facility to remain operational.

Asked: 11/13/2023 03:08 PM (CT)

Question: Please provide missing 11 98 14 - Detention Door Hardware as listed in the Table of Contents

Answer: Please refer to the Architect's Addendum C.

Asked: 11/13/2023 10:04 AM (CT)

Question: The glazing schedule on D704 lists M, H, HT, HTF and HTF1 types. 08 88 53 Security Glazing lists W, WF and Wf1 types - please advise.

Answer: Please refer to section 08 88 53, Security Glazing in the Architect's Addendum C.

Asked: 11/13/2023 10:03 AM (CT)

Question: Please provide missing 11 98 14 - Detention Door Hardware as listed in the Table of Contents

Answer: Please refer to the Architect's Addendum C.

Asked: 11/10/2023 04:07 PM (CT)

Question: Please provide missing 11 00 00 - Equipment specification as listed in the Table of Contents

Answer: Please refer to the Architect's Addendum B.

Asked: 11/10/2023 04:06 PM (CT)

Question: The glazing schedule on D704 lists M, H, HT, HTF and HTF1 types. 08 88 53 Security Glazing lists W, WF and Wf1 types - please advise.

Answer: Please refer to section 08 88 53, Security Glazing in the Architect's Addendum C.

Asked: 11/10/2023 04:06 PM (CT)

Question: In referencing E011, E011D - we cannot find the conductor size or length from the existing manhole under room 1815. Please confirm scope of work stops at the manhole under room 1815 and does not carry to the central plant.

Answer: The existing conductor is coming from the central plant, which is addressed in NBS 3 on E011D (the size is also in this note) and NBS 8 on E011. The new conductor from the switch goes to the manhole, then up to the transformer for the Medical Building, NBS 7 & 9 on E011.

Asked: 11/10/2023 01:58 PM (CT)

Question: Specification 280510 states that the County will contract separately with CML Security for the programming and integration scope of work. Is the electronic security system (access control, DVM, UPS, intercom & paging, etc.) required to be supplied and installed by CML Security as well? Please advise.

Answer: No.

Asked: 11/10/2023 01:46 PM (CT)

Question: Specification 283146 refers to two (2) other related specifications: 283111 and 283112, which are not included. Please verify if these specifications are required and provide accordingly.

Answer: The specification 28 31 46 has been removed in the Architect's Addendum C.

Asked: 11/10/2023 01:46 PM (CT)

Question: Specification 283110 lists three (3) acceptable manufacturers for the Fire Alarm System. Since the new system will need to tie in with the existing, what model/manufacture is the existing fire alarm control panel?

Answer: Specification section 28 31 10 is revised in the Architect's Addendum C to state Edwards EST is the only acceptable manufacturer.

Asked: 11/10/2023 01:45 PM (CT)

Question: Can you please provide the sign in sheets from the Pre-Proposal / Site Walk meetings?

Answer: Yes. Please refer to Addendum No. 4.

Asked: 11/10/2023 01:44 PM (CT)

Question: Please provide specification 08 31 23 Floor Doors...Included in the TOC but no specification provided.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 02:23 PM (CT)

Question: Please provide specification 08 31 13 Access Doors and Frames...included in TOC but no specification included.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 02:22 PM (CT)

Question: Please provide Glazing Specification 08 80 00 if it is required. It is included in TOC but not in the specifications.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 02:07 PM (CT)

Question: Please provide specification 09 54 50 Security Ceiling Assemblies found in the TOC but no specification given.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 01:25 PM (CT)

Question: Please provide the specification for spec section 10 73 00 Aluminum Canopy that is called out in the TOC.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 12:36 PM (CT)

Question: 25. Refer finish plan legend/A811 and specification 10 26 00 Wall and Door Protection. Please confirm if stainless steel corner guards and wall guards are part of the contract. If yes, please provide location on drawings

Answer: These have been removed in the Architect's Addendum B.

Asked: 11/9/2023 12:17 PM (CT)

Question: 24. Refer equipment schedule/A230. Please provide specifications for equipment mentioned in the schedule if contractor furnished.

Answer: Please refer to the equipment specifications.

Asked: 11/9/2023 12:16 PM (CT)

Question: 23. Refer specification 12 24 13 Roller Window Shades. Please confirm if Shades are part of the contract. If yes, please provide the location on drawings where required..

Answer: The roller shades have been removed in the Architect's Addendum B.

Asked: 11/9/2023 12:12 PM (CT)

Question: 21. The following accessories are listed in specification 10 28 00 and shown their mounting heights on drawing A-270 but they are not shown on plans. Please confirm if they are part of the contract. If yes, please provide the location. 1. Shower room accessories - TA-35 2. Custodial accessories - TA-50, TA-51

Answer: Not every accessory in the mounting height is necessarily included in the project.

Asked: 11/9/2023 12:09 PM (CT)

Question: 20. Please provide specification for fire extinguisher cabinet

Answer: Please note 10 44 13 was issued in the Architect's Addendum B.

Asked: 11/9/2023 12:08 PM (CT)

Question: 19. Please provide signage plans or Signage details

Answer: Specification is descriptive and not quantitative to establish an allowance for signage to be determined in shop drawings.

Asked: 11/9/2023 12:08 PM (CT)

Question: 18. Refer specification 10 14 26 Post and Panel-Pylon Signage. Please confirm if it is a part of the contract. If yes, please provide location of plaques on drawings

Answer: Please review site signs on page A101.

Asked: 11/9/2023 12:04 PM (CT)

Question: 17. Refer specification 10 14 23 Signage. Please provide location of metal signs, project identification sign and painted letter signage on drawings

Answer: Specification is descriptive and not quantitative to establish an allowance for signage to be determined in shop drawings.

Asked: 11/9/2023 12:03 PM (CT)

Question: 16. Refer specification 10 14 16 Plaques-3.2. A. Please provide the location of plaques on drawings.

Answer: The building dedication plaque is not included in the contract.

Asked: 11/9/2023 12:03 PM (CT)

Question: 15. Refer sheet A325 - room 1608 MED/MH Exam. Please provide elevation for East side casework

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 12:03 PM (CT)

Question: 14. Refer sheet A231. Please provide shelving elevation for room 1229 Med Store. Also provide details for casework which is near 7421-UC.

Answer: Pharmacy shelving is by owner, owner furnished, owner installed. The Interior Elevations are included in the Architect's Addendum B.

Asked: 11/9/2023 12:02 PM (CT)

Question: 13. Refer sheet 08,09/A901. Please provide a countertop finish and support spacing.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 12:02 PM (CT)

Question: 12. Refer sheet A231. Please provide casework elevation for room 1227 Comp and room 1258 FMO-M Clean

Answer: Note, the casework was removed in the Architect's Addendum B.

Asked: 11/9/2023 12:01 PM (CT)

Question: 11. There is no scope of static control vinyl composite floor tile SD1 on drawings, but specification 09 65 36 is given, please confirm if this specification is to be deleted.

Answer: Please refer to the prior question regarding static control vinyl composite floor tile, which states "Section 09 65 36 is deleted in the Architect's Addendum B.

Asked: 11/9/2023 12:00 PM (CT)

Question: 10. Refer sheet A231. Please provide enlarged plan or details for 1211 restroom, 1228 Shower, 1146 Shower

Answer: Detail 1211 is shown on 7/D222. Detail 1228 is shown on 6/D222. Detail 1146 is similar to 4/D222.

Asked: 11/9/2023 11:59 AM (CT)

Question: 9. Refer 05/A271. Please provide toilet accessories tags at typical ISO cells.

Answer: Please see 6/D222.

Asked: 11/9/2023 11:59 AM (CT)

Question: 8. Refer sheet A231. Please provide shelving elevation for room 1229 Med Store. Also provide details for casework which is near 7421-UC.

Answer: Pharmacy shelving is by owner, owner furnished, owner installed. The Interior Elevations are included in the Architect's Addendum B.

Asked: 11/9/2023 11:59 AM (CT)

Question: 7. Refer sheet 08,09/A901. Please provide countertop finish and support spacing

Answer: Please refer to the Architect's Addendum B. See notes, all countertops are SP1 by general note.

Asked: 11/9/2023 11:58 AM (CT)

Question: 6. Refer sheet A231. Please provide casework elevation for room 1227 Comp and room 1258 FMO-M Clean.

Answer: Please refer to the prior question regarding casework elevations, which states "Please refer to the Architect's Addendum B".

Asked: 11/9/2023 11:58 AM (CT)

Question: 5. Refer Sheet CVR2 – Sheet Index. Please provide the following missing drawings. a. C106 - Grading Plan b. P503 - Riser - Plumbing

Answer: Please refer to the Architect's Addendum A and B.

Asked: 11/9/2023 11:57 AM (CT)

Question: 4. Please Provide Framing Details for sheet No -S235D for grid .9 and .10

Answer: Grids .9 and .10 show existing framing. There are no details necessary for new construction at those locations.

Asked: 11/9/2023 11:56 AM (CT)

Question: Please provide specification 09 67 23 Resinous Flooring. The spec is included in the TOC list, but not given in the specifications.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 11:55 AM (CT)

Question: Please provide specification 09 65 16 Vinyl Sheet Flooring. Spec is included the TOC list, but not included within the specifications.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/9/2023 11:54 AM (CT)

Question: Please advise the thickness of the roof screen panels. The Basis of Design MBCI panels that are specified come in 24-, 22- & 20-gauge thicknesses.

Answer: The specifications are updated to 20 gauge in the Architect's Addendum B.

Asked: 11/9/2023 11:51 AM (CT)

Question: Several subcontractors have requested an additional site walk. Please consider organizing another site walk.

Answer: All outside areas are accessible to the public. Please indicate if any secured areas need to be examined again.

Asked: 11/9/2023 11:42 AM (CT)

Question: Will you be posting/issuing the PreBid Meeting Attendance Sign-In Sheets?

Answer: Yes. Please refer to Addendum No. 4.

Asked: 11/8/2023 10:40 AM (CT)

Question: What is the process to submit a substitution request?

Answer: Please complete and send the substitution request form to Hunter Alley (halley@co.collin.tx.us) for consideration.

Asked: 11/7/2023 04:20 PM (CT)

Question: With respect to our question above about Alternate 9, please confirm the franchise utility providers are aware of the project and have been (or will be) engaged to perform the necessary services within six (6) weeks of NTP to prevent any potential delays to the project.

Answer: Since they are private, no they have not been notified.

Asked: 11/7/2023 02:25 PM (CT)

Question: Should Alternate 9 be accepted early or become necessary upon discovery of existing conditions, please clarify the Owner is responsible for costs and coordination of the franchise electrical utility provider as well as the communications (fiber) provider.

Answer: Both electric and fiber are private lines between the Central Plant and Detention Center.

Asked: 11/7/2023 02:13 PM (CT)

Question: Sheet FP202 shows a new 8" fire water line entering the Southwest riser room in the new Sallyport. However, we do not find a continuation of this line on the Civil drawings. We expect this is an oversight and this new water line needs to be added to the Civil drawings. Please advise.

Answer: Line should be reflected on the updated civil sheets.

Asked: 11/7/2023 02:10 PM (CT)

Question: Note 16 on sheet A801 states "USE HIGH MOISTURE CONTENT GLUE AT ALL OTHER GLUED DOWN FLOOR SURFACES". What are the "OTHER" floor surfaces to which this note is referring?

Answer: Note revised in Architect's Addendum B: "USE HIGH MOISTURE CONTENT GLUE AT ALL GLUED DOWN FLOOR SURFACES".

Asked: 11/7/2023 02:08 PM (CT)

Question: What is the makeup of the existing floor slab at the Alternate 4 area? We need to know the thickness of what we are coring through and certainly want to make sure that it is not post-tensioned concrete.

Answer: The existing floor near Alternate #4 is a 6 1/2" reinforced concrete slab, not post-tensioned. Contractor to field verify prior to coring and modifications.

Asked: 11/7/2023 02:06 PM (CT)

Question: What is the loading capacity of existing Alternate 4 area slab? This is needed to determine what equipment we can utilize to perform the necessary work within the Alternate 4 area.

Answer: The existing slab near Alternate #4 has a live load capacity of 80 psf.

Asked: 11/7/2023 02:05 PM (CT)

Question: Drawing C100 Note 11 indicates tree protection is required for existing trees to remain, and there is a separate note on this drawing that states "REFERENCE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION". However, we do not find any details within the Civil or Landscaping drawings for tree protection. Please provide details for tree protection requirements.

Answer: Please refer to the Tree Protection detail on sheet L0.04.

Asked: 11/7/2023 02:03 PM (CT)

Question: Drawings C101 and A100 require the contractor to hand dig to expose the existing power and data lines that run through the new building footprint. Will hydro-excavation be acceptable for this work?

Answer: There aren't any objections to that approach. The County doesn't want equipment digging that may damage the ductbank.

Asked: 11/7/2023 01:53 PM (CT)

Question: When we perform any necessary switchovers for electrical power, please confirm the existing generator will be utilized to temporarily power the existing building and that all associated costs including fuel will be borne by the Owner.

Answer: The existing generator should be used. All fuel costs will be borne by owner.

Asked: 11/7/2023 01:50 PM (CT)

Question: Section 00 21 16 - INSTRUCTIONS TO OFFERERS, Items 1.22 D & E list 11/16/26 as the required date for final invoicing for the project. However, at the prebid meetings we noted this date was stated to be 12/30/26. Please advise the correct date.

Answer: The grant fund requires all projects to be complete and fully paid for by 12/30/2026. Collin County requests that the final invoicing be submitted for review and approval by 11/16/2026.

Asked: 11/7/2023 01:47 PM (CT)

Question: On sheet A010, the note relative to Alternate 4A corridor states "CONNECTING CORRIDOR TO BE COMPLETE FIRST", implying only that it needs to finish prior to the finish of the Alternate 4 work. However, it was stated in the prebid walks that the Alternate 4A corridor work is to be completed PRIOR TO THE START of the balance of the Alternate 4 work. Please confirm.

Answer: The County needs the corridor to be completed first so that staff has access to the main addition without going through the construction work area.

Asked: 11/7/2023 01:40 PM (CT)

Question: Please confirm that the specification for section 28 13 00 Access Control will be contracted by the County directly with CML Security and we shall NOT include any cost for this work. If owner is providing, provide exclusion list/coordination matrix.

Answer: The construction documents do not exclude access control system from the contractor's scope of work. The County will only be responsible for items identified as "County Provided" which include software, licenses, and programming. All other work in this spec is to be furnished and installed by Contractor.

Asked: 11/7/2023 10:24 AM (CT)

Question: Drawing A231 has Alternate #4 & 4A indicated to include only the FFMO area with large dashed line around this area. The Bid Form in Addendum #3 calls out Alternate 4 & 4A as including the Admin & Clinic Floor Plans. Please confirm which is correct.

Answer: Please note: Detail 3 on A231 is to be included in base bid, Detail 2 pertains to Alternates 4 and 4A.

Asked: 11/7/2023 09:47 AM (CT)

Question: The RFP states the RFI cutoff date is 7 days prior to bid. The Collin County eBid website has the RFI cutoff date as 11/16/2023 at 5:00 PM CST. Please clarify.

Answer: All substitution requests are due seven (7) days before RFP closing. All questions can be submitted until the question cut-off date (currently 11/16).

Asked: 11/6/2023 02:55 PM (CT)

Question: The Table of Contents in the Project Manual lists a specification section 110000 – Equipment but there was no specification section included. Please Provide.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/6/2023 02:55 PM (CT)

Question: The Table of Contents in the Project Manual lists a specification section 083123 – Floor Doors but there was no specification section included. Please Provide.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/6/2023 02:54 PM (CT)

Question: The Table of Contents in the Project Manual lists a specification section 083113 – Access Doors but there was no specification section included. Please Provide.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/6/2023 02:54 PM (CT)

Question: The Table of Contents in the Project Manual lists a specification section 050527 – Security Screws and Fasteners but there was no specification section included. Please Provide.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/6/2023 02:53 PM (CT)

Question: Sheet P503 is listed in the Sheet Index (CVR2) but this sheet cannot be found in the bid documents. Please provide.

Answer: Please refer to the Architect's Addendum B.

Asked: 11/6/2023 02:53 PM (CT)

Question: The Bid form issued in addendum #3 indicates "State the cost, in its entirety, to build-out the floor as indicated on Drawing 1 on A231 - LEVEL 1 - FFMO/ADMIN & CLINIC FLOOR PLANS." Drawing A231 indicates in detail 1 & 2 that Alternate \$a & \$ are for the Corridor on the west side of the Female FMO and the Female FMO Floor Plan alone are alternate 4A & 4. This drawing does not indicate that detail 3/A231 Level 1 - Admin & Clinic Floor plan are part of Alternate #4. Please confirm if an addendum will be issued clarifying the discrepancy between the drawings and the bid form, confirming which is correct.

Answer: Please note: Detail 3 on A231 is to be included in base bid, Detail 2 pertains to Alternates 4 and 4A.

Asked: 11/6/2023 02:49 PM (CT)

Question: The specifications call out the cutoff date for questions as being 7 calendar days before the bid date. This website calls out the cutoff date for questions as 11/16/23. Which is correct?

Answer: All substitution requests are due seven (7) days before RFP closing. All questions can be submitted until the question cut-off date (currently 11/16).

Asked: 11/6/2023 02:36 PM (CT)

Question: Spec section 10 82 15 Roof Screens was issued. This spec section has an acceptable manufacturer as RoofScreen using their Cantilevered SC3 and non-cantilevered NC3 system. Spec call for them to Engage a qualified professional engineer to design roof screen system, including fasteners and connections to building structure. This manufacturers specified system has tube steel supports fastened to the concrete deck and galvanized pipe steel system to support the panels. The structural drawings indicate a tube steel system that appears to have been designed by the structural engineer. Which system are we to use?

Answer: A290 calls out for "FABRICATED ROOF EQUIPMENT SCREENING", these are the ones that structural has detailed. These screens will need flat metal panel to hide equipment per 8/A293 (City of McKinney requires screening to not be louvers).
On the EXISTING roof the Architect has noted "ROOF EQUIPMENT SCREEN PRE-FABRICATED, REF SPECS" because this is an existing roof and the pre-fabricated is a better option on an existing roof.
If there is a cost savings for doing it all as pre-fabricated then that would be an option the County would be open to reviewing.

Asked: 11/6/2023 02:26 PM (CT)

Question: With respect to the question above, the Booking area below the Alternate 4 Infirmery Remodel will be affected by the new work. Please confirm the Booking area will be vacated prior to the start of our work.

Answer: Yes, this area should be vacated by then (TW).

Asked: 11/6/2023 09:44 AM (CT)

Question: In order to accomplish the Alternate 4 work, removal and replacement of existing ceilings will need to occur in the Booking area below the existing Infirmery. This work is currently not indicated on the documents. Please provide drawings showing the anticipated areas that will require ceiling removal/replacement for Alternate 4.

Answer: The ceiling can be removed and replaced as needed.

Asked: 11/6/2023 09:42 AM (CT)

Question: Please explain how we are to submit completed substitution request forms onto question portal, ability to download attachments does not seem to be available?

Answer: Please send the completed substitution requests to halley@co.collin.tx.us for consideration. All approved substitution requests will be included in an Addendum.

Asked: 11/3/2023 01:07 PM (CT)

Question: Will a Spec Section 0540000 Cold Formed Metal Framing, be forthcoming?

Answer: Please refer to the Architect's Addendum B.

Asked: 11/3/2023 01:06 PM (CT)

Question: The reflected ceiling plan legend calls out "Tectum Security 2x2 lay-in acoustical ceiling". Is this meant to be security ceiling as specified in section 095753? Tectum referring to what?

Answer: Tectum is 09 51 23 Acoustical Panel Ceilings.

Asked: 11/3/2023 01:06 PM (CT)

Question: Can you please provide the REVIT model for review.

Answer: The REVIT and CAD files will be made available to the awarded contractor. The files aren't available for take-offs.

Asked: 11/1/2023 01:34 PM (CT)

Question: We could be overlooking it, but we are not finding where Specification 09 65 36 - STATIC-CONTROL RESILIENT FLOORING is to be installed. Please advise.

Answer: Section 09 65 36 is deleted in the Architect's Addendum B.

Asked: 10/31/2023 11:11 AM (CT)

Question: We could be overlooking it, but we are not finding where Specification 09 30 13 - CERAMIC TILING is to be installed. Please advise.

Answer: Section 09 30 13 has been removed in the Architect's Addendum B.

Asked: 10/31/2023 11:10 AM (CT)

Question: It appears Specification 09 83 16 - Acoustical Plaster Ceilings needs to be removed from the Table of Contents in the Project Manual. Please confirm.

Answer: Section 09 83 16 has been removed in the Architect's Addendum B.

Asked: 10/31/2023 11:10 AM (CT)

Question: Do the galvanized woven rod mesh barriers at the exercise areas require field painting?

Answer: Yes.

Asked: 10/31/2023 11:09 AM (CT)

Question: We do not find any locations that receive wall or door protection per Specification 10 26 00. Please advise.

Answer: Section 10 26 00 has been removed in the Architect's Addendum B.

Asked: 10/31/2023 11:09 AM (CT)

Question: No finish schedule is provided for Level 0. Do the walls get painted? Do the exposed concrete columns get painted? Does the underside of the exposed concrete structure get painted? Do we paint over the sprayed insulation at the Sally Port? Do any of the exposed MEP items get painted? Is concrete floor sealer required anywhere?

Answer: The response to questions 1-5 (all references to painting) is no. For question 6, the response is yes, the County requires floor sealer at any new concrete.

Asked: 10/31/2023 11:09 AM (CT)

Question: Sheet notes 10 and 11 on the floor plans (i.e. A231) provide instructions for items in the event alternates are not taken. However, the alternates they reference are no longer being requested. Please advise.

Answer: Please see sheet A237. Note 10 and 11 relate to exercise yard 2119, 2219, and 2415. Details for base bid temporary wall on A237. These notes still apply.

Asked: 10/31/2023 11:09 AM (CT)

Question: We find the scopes of work for earthwork, pavement markings, landscaping/irrigation, and site utilities in the project, but do not find specifications for these scopes in the project manual. Please provide specifications for these scopes of work.

Answer: All specifications for civil and landscaping items are covered in the notes on the plans. There are no separate specifications for those items.

Asked: 10/31/2023 11:09 AM (CT)

Question: Wire mesh partitions were deleted in the previous bid documents, but Specification 10 22 13 WIRE MESH PARTITIONS reappeared in this set. Do we have a wire mesh partition scope?

Answer: Section 10 22 13 to be removed in Addendum B

Asked: 10/31/2023 11:09 AM (CT)

Question: Spectra Glaze II blocks were approved for glazed CMU block in lieu of Astra Glaze during the last bid. Please reconfirm acceptance of this product.

Answer: Please submit a substitution request.

Asked: 10/31/2023 11:08 AM (CT)

Question: Sheet A230 indicates doors 0106 and 0107 to be part of Alternate #13. These should be part of Alternate #9. Please confirm.

Answer: The legend says "ALT, 13". The 13 refers to the remark number 13 which says "Alternate #9"

Asked: 10/31/2023 11:08 AM (CT)

Question: Please confirm the location of the existing electrical panels designated to provide the power for the Alternate #8a.

Answer: The temporary chiller in Alternate #8 will be fed from a 1000A quick disconnect that is fed from the Main Switchboard MSB. This will be shown in Addendum B.

Asked: 10/31/2023 11:08 AM (CT)

Question: Sheet D020 references anchoring details for precast walls. We do not find any precast walls anywhere else in the bid documents. Please advise.

Answer: Please refer to the Architect's Addendum B.

Asked: 10/31/2023 11:08 AM (CT)

Question: Detail 14 on Sheet A704 indicates a 4-fold hydraulic door and precast wall. We do not find a hydraulic door or precast concrete anywhere else on the bid documents. Please advise.

Answer: This reference appears to be the wrong set of drawings. Please be sure to reference the drawings dated 10/02/2023.

Asked: 10/31/2023 11:07 AM (CT)

Question: The IT drawings indicate "TV" locations in several areas such as break room 1248 (ref. IT231). We do not find any keynotes indicating what is required by the contractor for TV locations. Please advise.

Answer: Regarding TV in break room 1248, symbol on sheet IT000 describes type of cable to be installed, keynote T4 on floor plan sheets IT232, IT233, IT234, IT235, IT236, IT237, IT711, IT721, IT732, IT733, IT734, or IT735 describes requirements for TV locations in inmate-occupied spaces. All RG-(X) coax to be routed to nearest IT room within the serving area as shown in sheets IT211 and IT212, terminated with industry-standard "F" connectors and left in the IT room with at least 10' of slack for future use by 3rd party service providers.

Asked: 10/31/2023 11:07 AM (CT)

Question: Per the city of McKinney, in addition to the building permit fee there will be a \$200 development permit fee and a 3.5% fee assessed to the total of the public improvements for the project. Please advise what constitutes "public improvements" so we can incorporate the appropriate value for such permit or provide allowance for bidders to carry with their proposals.

Answer: Public improvements are anything that would be inspected and maintained by the City upon final acceptance of the project. This typically includes the following: • On-site water system up to the meters, including the meters themselves, hydrants, valves, etc. • Any improvements or connections to public sewer lines. Public sewer = serving more than a single lot; if the sewer being installed is serving only the proposed development property, it is likely considered private and would not be included. • Any improvements to public drainage system. Similarly to sewer, if the storm sewer being installed is servicing only the proposed development property, it is probably private. • Any improvements within public street right-of-way, including new driveway connections and sidewalks. Fire lanes and on-site sidewalks are considered private.

Asked: 10/31/2023 11:07 AM (CT)

Question: Please confirm there are no hazardous materials that would require abatement within the Alternate 4 area.

Answer: There are no known hazardous materials that would require abatement.

Asked: 10/31/2023 11:07 AM (CT)

Question: Article 3.1.3 PERMIT AND FEES of Section 00 52 13 Construction Agreement requires the CONTRACTOR to "secure and pay for all building permits and other permits...". We will include the cost of the building permit per the McKinney fee schedule as well as the \$50 development permit in our proposal. Please advise if any other permits/fees are anticipated, and if so please direct us to any fee schedules or advise allowances we need to carry for such permits.

Answer: The County anticipates the "impact fees" being waived, if not the County will pay for any "impact fees". Please review the costs such as fire department submission fees, as these should be included in your permit costs. Please pay particular attention to engineering costs after fees such as maintenance bonds.

Asked: 10/31/2023 11:06 AM (CT)

Question: Is the demolition related to the Alternate #4 area part of the base bid? Drawing A221 does not indicate the demolition to be part of the alternate, but we could not imagine the Owner wanting this area to be shelled, rendering it useless in the event Alternate #4 is not accepted.

Answer: No. The demolition of Alternate 4 is not included in the base bid.

Asked: 10/31/2023 11:06 AM (CT)

Question: Plan note 6 on sheet S201 requires the contractor to provide a site survey to locate existing piers, measure diameters, and submit a site plan showing dimensional relationships for new pier to existing piers and existing pier diameters. It would appear the design has already been coordinated around the existing piers and indicates a couple locations where we are to "CUT DOWN TOP OF EXISTING PIER AS REQUIRED" and install straddle beams across multiple piers at those locations. Please confirm the referenced survey is required despite the apparent coordination within the design.

Answer: A site survey is still required by the contractor despite the potential conflicts noted on the structural drawings. Per the plan notes, the structural drawings show the approximate location of the existing piers and a survey is required to evaluate any necessary coordination and modification of the foundation. The survey of existing utilities and obstructions is still required by the contractor prior to proceeding with pier drilling or underground excavations.

Asked: 10/31/2023 11:06 AM (CT)

Question: The bearing stratum is represented as 81'-6" on 1/S301 with a level 0 slab elevation on S201 at 81'-11 5/8". Thus, the foundation elements for the project will be constructed within an area that is currently rock. Has consideration been given to a reduction of the floor to floor height between Level 0 and Level 1 in order to minimize rock excavation and the impacts it will have from a noise and cost standpoint?

Answer: The floor-to-floor height requirements are to match the existing lower level and the existing level 1 of the jail.

Asked: 10/31/2023 11:06 AM (CT)

Question: Sheet S204 has a note within the slab area that reads "ALTERNATE 9: SEE ARCH'L AND MEP FOR LOCATION OF CMU WALLS. PROVIDE THICKENED SLABS AT CMU WALLS PER 7/S304". Please indicate the locations of thickened slabs on the structural drawings.

Answer: The thickened slabs are to be located at the locations of CMU walls per the architectural drawings. The location of these alternate #9 walls will be included in the structural drawings in the Architect's Addendum B.

Asked: 10/31/2023 11:05 AM (CT)

Question: With reference to the type AH and AU doors mentioned above, the hardware set on A702 is indicated as "Ref. Remark 11" which tells us to refer to millwork specifications for hardware. Specification 06 41 16 appears to be our only "millwork" specification, and it does not provide any hardware schedule for these doors. What is the specific hardware required for these two door types?

Answer: Please refer to section 06 41 16; 2.7; HH.

Asked: 10/31/2023 11:05 AM (CT)

Question: The door schedule on sheet A702 has a number of doors marked Type "AH" and "AU" which are indicated to be stainless steel doors. We do not find any specifications for these doors. Please advise.

Answer: Section 08 11 13 will be updated in the Architect's Addendum B to include stainless steel hollow metal doors.

Asked: 10/31/2023 11:05 AM (CT)

Question: Per Section 26 27 26 Wiring Devices - 2.8 Wall Plates - C. Detention Grade, certain wall plates are to be used depending on whether there is a guard present with inmates. Are we able to gain more information on what areas are considered to be "high security", "medium security", "all other areas", and "public areas"?

Answer: Provide detention plates in any inmate occupied area. The only area that would get non detention plates would be mechanical/electrical rooms and the administration area.

Asked: 10/31/2023 11:04 AM (CT)

Question: On Sheets IT603 and IT604, there are a number of Cisco network switches and related equipment scheduled that are typically provided by Owner and are not found within the project specifications. These schedules do not indicate what is to be provided/installed by Owner and what is to be provided/installed by the Contractor. Please provide clarity on who provides/installs each item on these schedules.

Answer: The only I.T. related owner furnished items are the "66 block w/ Amphenol" and the "Ortronics". All other equipment shall be provided and installed by the contractor.

Asked: 10/31/2023 11:04 AM (CT)

Question: Sheet A210 - PHASE PLANS indicates the Alternate 4 work as "Phase C". We expect this means that it cannot happen until after Phases A and B are completed. Please confirm.

Answer: Correct. The current infirmary shall remain operational until the patients can move into the new building (Phases A&B).

Asked: 10/31/2023 11:04 AM (CT)

Question: We do not find a place to provide additional calendar day impacts for Alternates that will impact the schedule for the project (i.e. Alternate 4/4a). Please advise.

Answer: Please refer to Addendum No. 4.

Asked: 10/31/2023 11:04 AM (CT)

Question: Please advise the status of any building/development permit(s) for this project and the anticipated date of approval(s).

Answer: The building permit is ready. The civil permit should be ready by December 2023.

Asked: 10/31/2023 11:03 AM (CT)

Question: With respect to the electrical service for future shelled areas, please advise any base bid requirements that need to be included for future service.

Answer: The design intent is in base bid to provide service stub-ups capped and sealed to have connection for future fixtures installed in alternates if alternates are approved. Electrical and IT stub-ups are adjacent (within 12") to each other and have been coordinated for position.

Asked: 10/31/2023 11:03 AM (CT)

Question: General Phasing Note B on all of the plumbing alternate drawings (P711-P742) indicates we are connecting sanitary/vent and water lines to lines installed in "previous" phase. We expect the intent is to provide service stubs into these areas within the base bid. Please confirm the base bid requirements include such stubs and provide further detail if necessary.

Answer: The design intent is in base bid to provide service stub-ups capped and sealed to have connection for future fixtures installed in alternates if alternates are approved. The base (previous phase) provides the plumbing infrastructure for future fixtures installed in approved alternates. Per notes on sheets the County provides stub-ups in shell spaces for future connection (waste/vent and water).

Asked: 10/31/2023 11:03 AM (CT)

Question: Reference FP221 - Base Bid Fire Protection requirements. For the base bid, will the Shell Spaces require the necessary Sprinkler System coverage with heads turned up?

Answer: Please refer to the Architect's Addendum B. In base bid shell spaces will show only areas to be protected with basic, non-detention grade fire sprinkler heads.

Asked: 10/31/2023 11:03 AM (CT)

Question: Please advise anticipated area(s) available for contractor's trailer and material storage.

Answer: Available trailer and material storage space(s) is anticipated to be at the northwest corner of the jobsite.

Asked: 10/31/2023 11:03 AM (CT)

Question: Please advise anticipated area(s) available for contractor parking.

Answer: Available parking is anticipated to be at the northwest corner of the jobsite.

Asked: 10/31/2023 11:02 AM (CT)

Question: Are there any existing roof warranties that will require specific manufacturers and/or subcontractors?

Answer: There is currently only a Manufacturer warranty by Soprema.

Asked: 10/31/2023 11:02 AM (CT)

Question: Please provide the existing Fire Alarm manufacturer/system used, and advise of any vendors known to have installed or worked on the existing system.

Answer: The current system is EST-3. The current fire alarm vendor is Star Assets. Collin County requires EST-4 fire alarm control panel for this project. It is manufactured by Edwards and the Contractors are required to install and program the Edwards (EST-4 Panel).

Asked: 10/31/2023 11:02 AM (CT)

Question: Reference A020 Fire Protection Standard Comments: Will the City of McKinney accept an all-weather temporary surface such as flex-base in lieu of permanent paving to allow vertical construction without delay?

Answer: No.

Asked: 10/31/2023 11:01 AM (CT)

Question: Per A020 Fire Protection Standard Comments: Please confirm the City of McKinney will require Fire Lanes completed prior to going vertical with the Phase 2 New Construction. This will impact the Erection/Crane plan and sizing.

Answer: Yes. The City of Mckinney does require completed and striped fire lanes and functioning fire hydrants prior to vertical construction.

Asked: 10/31/2023 11:01 AM (CT)

Question: Reference spec 002113 1.56 G. - Railroad Protective Insurance: Please confirm this is required as there is not a Railroad ROW within 50' of the construction limits. And if required, per this specification, the OWNER shall specify the amount of RPI necessary. Please advise.

Answer: Railroad Protective Insurance is not required.

Asked: 10/31/2023 11:01 AM (CT)

Question: The previous bid documents contained a specification 11 00 00 - EQUIPMENT which is found listed in the table of contents but is not found in the project manual. Please advise, as this specification contained all sorts of equipment and appliances that do not appear to be covered elsewhere.

Answer: Please refer to the Architect's Addendum B. The current bid documents include Equipment specifications. Equipment specifications can be found in 11 15 00-Woven Rod Mesh Barrier, 11 19 16-Gun Lockers, 11 19 50-Detention Surface Padding, and 11 98 12-Detention Doors.

Asked: 10/31/2023 11:00 AM (CT)

Question: We do not find any requirements for an Emergency Responder Radio Coverage System. Please confirm ERRCS is not required.

Answer: ERRCS or DAS is not in the contract scope, but is contracted directly by Collin County and the County will coordinate with the Contractor for install.

Asked: 10/31/2023 11:00 AM (CT)

Question: If criminal background checks are required, what criteria would be cause for inelegibility to work on this project?

Answer: Criminal background checks are not required.

Asked: 10/31/2023 11:00 AM (CT)

Question: Item 1.51 of the Instructions to Bidders eludes to criminal history background checks possibly being required for this project. Please advise if this will be required for all work including work performed outside of the secure perimeter.

Answer: At this time, criminal background checks aren't required for work inside or outside the secured perimeter. If working inside the jail or the secured perimeter, you must be escorted by a member of the jail staff.

Asked: 10/31/2023 11:00 AM (CT)

Question: We have an application from a DEC contractor to be approved to bid on this project, how do we upload their qualifications? Or do we need to email those to another source?

Answer: Please submit a substitution request. (ref. §00 21 16, 1.8)

Asked: 10/26/2023 02:39 PM (CT)

Question: Can you provide CAD files of grading plans for takeoff purposes?

Answer: The REVIT and CAD files will be made available to the awarded contractor. The files aren't currently available for takeoff purposes.

Asked: 10/24/2023 01:06 PM (CT)

Question: Is attendance to one of the prebid conferences mandatory for subcontractors and major equipment suppliers? Or are those just a mandatory requirement for the general contractors wishing to submit a proposal?

Answer: [The County encourages both prime and subcontractors to attend. The general contractor \(prime\) or their representative must attend 1 of the 2 mandatory pre-bid conferences.](#)

Asked: 10/19/2023 11:07 AM (CT)

Question: In Section 01 23 00 ALTERNATES, Alternates 8b and 8c refer to previous Alternates 2 and 3 which no longer exist. To eliminate further confusion, we suggest elimination of the reference to these alternates within the Alternate 8 language.

Answer: Please price only alternate "8a" (line 6). Line items 7 (Alt. 8b) and 8 (Alt. 8c) will be deleted in a future addendum.

Asked: 10/19/2023 09:10 AM (CT)

Question: 3. Alternate 6e is stricken through in Section 01 23 00 ALTERNATES, but we believe it should still be applicable. Please advise.

Answer: Please price the "Flocked Vinyl Flooring" alternate for the "Base Bid" areas only.

Asked: 10/19/2023 09:10 AM (CT)

Question: 2. The area on A236 designated as Alternate 5 is causing us confusion, as the bid form does not provide a spot for an Alternate 5. Is the Alternate 5 area supposed to be in the base bid, or is it a new alternate? If it is a new alternate, the bid form requires revision.

Answer: Please do not submit pricing for Alternate #5 pricing at this time.

Asked: 10/19/2023 09:10 AM (CT)

Question: 1. Our assumption in our initial review of the documents is that the base bid is now everything outside of Alternate 4, and possibly Alternate 5 based on your answer to the next question. Please confirm.

Answer: Pricing is only required for the base bid, alternate #4, and alternate #4A. Please reference A010 Phase Plans. Base bid is any area not labeled "Alternate #1, #2, #3, #4, #4A, or #5" on this page.

Asked: 10/19/2023 09:09 AM (CT)

Question: We are a new vendor for Collin County and are looking at this bid. We are having trouble determining if this project is already designed or if you are looking for architecture and engineering services.

Answer: The project has been designed by Brinkley Sargent Wiginton Architects (ref. RFQ 2021-353 Professional Services, Architectural, Adult Detention Center Expansion, Phase 2 & 3).

Asked: 10/18/2023 11:05 AM (CT)

Question: Due to detail and length of the schedule, we request that the CPM schedule as required in 2.2A. of the qualifications response, be excluded from the 25-page count limitation.

Answer: Please refer to Addendum No. 2.

Asked: 10/18/2023 09:07 AM (CT)
