LAFORUCHE PARISH FIRE DISTRICT NO. 3

HURRICANE IDA DAMAGE RESTORATION
NORTH GALLIANO FIRE STATION NO. 15 RESTORATION
HURRICANE IDA RECOVERY NUMBER: HIR-NG15
FEMA DI-NUMBER: 1209205
GALLIANO, LAFOURCHE PARISH, LOUISIANA

****

ADDENDUM NO. 2

Date Issued: September 7, 2022

****

This Addendum No. 2 shall be part of the above referenced project.

Acknowledge receipt of this Addendum No. 2 by inserting its number in the space provided in the Louisiana Uniform Public Work Bid Form of the Request for Proposals. Failure to do so may subject the bidder to disqualification.

STATE OF LOUISIANA
KEVAN D. KEISER
License No. 37243
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

9/7/22

Kevan D. Keiser, P.E.
GIS Engineering, LLC.

LAFORUCHE PARISH FIRE DISTRICT NO. 3

HURRICANE IDA DAMAGE RESTORATION
NORTH GALLIANO FIRE STATION NO. 15 RESTORATION
HURRICANE IDA RECOVERY NUMBER: HIR-NG15
FEMA DI-NUMBER: 1209205
GALLIANO, LAFOURCHE PARISH, LOUISIANA

This Addendum is issued for the purpose of modifying, clarifying, or revising, as applicable, the specified items of the original Contract Documents. It is also issued for the purpose of adding, as applicable, the attached specified items to the original Contract Documents, or deleting, as applicable, the attached specified items from the original Contract Documents. The Addendum and attachments shall be construed as much a part of the original Contract Documents as contained therein. Changes made by Addenda shall take precedence over original Contract Documents.

PART I – MODIFICATIONS TO CONTRACT DOCUMENTS TECHNICAL SPECIFICATIONS, PLANS, AND OTHER DOCUMENTS

Modifications to Contract Documents and Specifications.

PART II – ATTACHMENTS

1. Pre-Bid Conference Attendee List
2. Pre-Bid Conference Meeting Minutes
3. Cost Estimate (Revised as Per Addendum No. 2)
4. Front End Documents Table of Contents (Revised as Per Addendum No. 2)
5. Section C – Louisiana Uniform Public Work Bid Form (Revised as Per Addendum No. 2)
6. Section Q – Special Provisions (Revised as Per Addendum No. 2)
7. Technical Specifications Table of Contents (Revised as Per Addendum No. 2)
8. Technical Specification No. 08 91 00 – Metal Wall Louvers (Revised as Per Addendum No. 2)
9. Technical Specification No. 40 05 67.16 – Backflow Preventer/Check Valve (Revised as Per Addendum No. 2)
10. Plan Sheet 02 General Notes and Quantities (Revised as Per Addendum No. 2)
11. Plan Sheet 04 Site Plan (Revised as Per Addendum No. 2)
12. Plan Sheet 10 Elevation Views (Rear) (Revised as Per Addendum No. 2)

PART I – Modifications to Contract Documents, Technical Specifications, Plans, and Other Documents

Cost Estimate:

1. Cost Estimate
   a. Please replace with revised Cost Estimate provided in this Addendum.

Contract Documents:

1. Front Ends Table of Contents
   a. Please replace with revised Front Ends Table of Contents provided in this Addendum.
      Revision include, but are not limited to:
         i. Added Technical Specification Section 08 91 00 – Metal Wall Louvers
         ii. Added Technical Specification Section 40 05 67.16 – Backflow Preventer/Check Valve
2. Section D – Bid Form
   a. Please replace with revised Bid Form provided in this Addendum.
3. Section Q – Special Provisions
   a. Please replace with revised Special Provisions provided in this Addendum.

Technical Specifications:

1. Technical Specifications Table of Contents
   a. Please replace with revised Technical Specifications Table of Contents provided in this Addendum.
      Revision include, but are not limited to:
         i. Added Technical Specification Section 08 91 00 – Metal Wall Louvers
         ii. Added Technical Specification Section 40 05 67.16 – Backflow Preventer/Check Valve
2. Technical Specification No. 08 91 00 – Metal Wall Louvers
   a. Please add Technical Specification No. 08 91 00 provided in this Addendum.
3. Technical Specification No. 40 05 67.16 – Backflow Preventer/Check Valve
   a. Please add Technical Specification No. 40 05 67.16 provided in this Addendum.

Plans:

1. Plan Sheet 02 General Notes and Quantities
   a. Please replace with revised Plan Set 02 provided in this Addendum.
2. Plan Sheet 04 Site Plan
   a. Please replace with revised Plan Set 04 provided in this Addendum.
3. Plan Sheet 10 Elevation Views (Rear)
   a. Please replace with revised Plan Set 10 provided in this Addendum.

PART II - ATTACHMENTS

Pre-Bid Conference Attendee List

ENGINEERING LLC

Lafourche Parish Fire District No. 3
North Galliano Fire Station No. 15 Restoration
GIS Project No. 39130-1360

Pre-Bid Conference
Tuesday, August 30, 2022
1:00 PM

FIRE DISTRICT 3 LAFOURCHE PARISH

ATTENDANCE REGISTER

NAME	COMPANY NAME	PHYSICAL ADDRESS	TELEPHONE NUMBER	EMAIL ADDRESS
1 Devin Dedon	LPFD3	17462 West Main Street Cut Off, LA 70345	985-632-8068	devind@lpfd3.com
2 Ryan Pitre	LPFD3	17462 West Main Street Cut Off, LA 70345	985-632-8068	ryanp@lpfd3.com
3 Myles Rousse	LPFD3	17462 West Main Street Cut Off, LA 70345	985-632-8068	mylesr@lpfd3.com
4 Kevan Keiser KDK	GIS	197 Elysian Drive Houma, LA 70363	985-219-1000	kkeiser@gisy.com
5 Brenton Hebert	GIS	197 Elysian Drive Houma, LA 70363	985-219-1000	bhebert@gisy.com
6 Ann Hebert	GIS	197 Elysian Drive Houma, LA 70363	985-219-1000	ahebert@gisy.com
7 Benjamin Rath	CSRS	8555 United Plaza Baton Rouge, LA 70809	318-560-7672	benjamin.rath@csrsinc.com
8 Marty Kieff	Piccida Const	Hwy 3235	985-632-5959	Marty.Kieff@hotmail.com
9				

PART II - ATTACHMENTS

Pre-Bid Conference Meeting Minutes

ENGINEERING LLC

Coastal Design & Infrastructure
197 Elysian Dr.
Houma, LA 70363
P: (985) 219-1000 | F: (985) 475-7014
www.gisyeng.com

Date: Tuesday, August 30, 2022 1:00 P.M.

Project: Lafourche Parish Fire District No. 3
North Galliano Fire Station No. 15 Restoration
GIS Project No. 39130-1360

Location: LPFD3 Fire Central Headquarters
17462 West Main St., Cut Off, LA, 70345

PRE-BID CONFERENCE MINUTES

Meeting Led By: Kevan Keiser
Minutes Prepared By: Brenton Hebert

SAFETY TOPIC – Hurricane Preparedness Given by Kevan Keiser

1. Roster Signatures and Introductions

   - Owner – Lafourche Parish Fire District No. 3 (LPFD3)
   - Engineer – GIS Engineering, LLC (GIS)
   - Coordinator - CSRS Disaster Recovery Management Services, Inc.

2. Scope of Work

   This project consists of providing all equipment, materials, and labor for the restoration of the North Galliano Fire Station No. 15. The work consists primarily of repairs to the exterior doors and windows. A portion of the HVAC System needs to be replaced. This work also includes minor repairs to the interior and the electrical system.

3. Advertisement for Bids (Section A)

   Sealed bids will be received on Tuesday, September 13, 2022, by the Lafourche Parish Fire District No. 3, Fire Central Headquarters, located at 17462 West Main Street, Cut Off, Louisiana 70345 until 2:00 P.M., and then at said place publicly opened and read aloud. No bids will be received after 2:00 P.M.

   Bidders will have the option to submit their Bids electronically or by paper copy. Electronic Bids are accepted at Central Auction House. Central Auction House can be accessed at www.centralbidding.com. For questions related to the electronic bidding process or obtaining the Bidding / Contract Documents & Specifications electronically, please call Central Auction House at 225-810-4814.

   Bids received prior to the time of the scheduled bid opening will be securely kept unopened. No Bid received after the scheduled time for opening will be considered. Failure of the U.S. Mail or of any express carrier or delivery service to deliver the Bid prior to the date and time of the above stated Bid Opening shall not be considered due cause for the scheduled time of the Bid Opening to be extended.

4. Proper Preparation and Submission of Bids (*Article 4 of Section B – Instruction to Bidders)*

- Bids shall be submitted by the time and at the place indicated in the Advertisement for Bids and, unless submitted electronically, shall be enclosed in an opaque sealed envelope.
- Envelope shall be marked with the Project title and name, address and state license number of the Bidder as set forth in the Advertisement for Bids.
- Each Bid Proposal packet shall include:
    i. Completed Uniform Public Work Bid Form, including Unit Price Form
    ii. Signature Authorization with written evidence of authority (LA R.S. 38:2212(B)(5))
    iii. Bid Bond with Power of Attorney, or Certified Check or Cashier's Check, all in the amount of 5% of the total amount of the bid.

5. Bid Completeness Requirements – *including, but not limited to, the following:*

- Acknowledgement of Addenda on Bid Proposal.
- Properly fill in unit price and extension price of each item included in the Bid Form.
- Complete bidder information as requested.
- Sign and Attest the bid.

6. Project Addenda:

a. Clarifications in response to questions concerning Contract Documents will be issued in an Addendum.
b. Send all questions to bidquestions@gisy.com. Any questions submitted outside of this provided email address will not be considered.
c. The last day to submit written questions will be Monday, September 5, 2022, until 2:00 P.M.
d. Addenda will be issued as soon as possible, but no later than Thursday, September 8, 2022 before 2:00 P.M. Addenda will be available at www.centralbidding.com by clicking on the Project Link, and will also be sent via email provided on the sign-in sheet for this meeting.

7. General Project Information:

a. Contract Time – 75 Calendar Days from Notice to Proceed.
b. Estimated Project Budget – $150,000.00
c. Required Contractor's License – Building Construction
d. Liquidated Damages - $500.00 per day. Refer to Article 9 of Section B – Instruction of Bidders of the Contract Documents for specifics.
e. Contractor's Liability Insurance – Please refer to Paragraph 11.1 of Section N – General Conditions of the Contract for Construction for requirements.
f. Construction Submittal Process
g. There will be mandatory monthly progress meetings with Engineer and Owner personnel during construction.

8. Contract Documents and Requirements:

a. Contract Documents include complete Plan, Specifications, Addenda and Reference Documents.
b. Contract Documents can be obtained at www.centralbidding.com and www.csrsinc.com/LPFD3.

c. Special Provisions
   i. 1.05 Intent
   ii. 1.11 Time Constraints
   iii. 1.15 Maintenance of Drainage
   iv. 1.18 Tax Exemption
   v. 1.22 Red Line As-Builts
   vi. 1.26 Waste Materials
   vii. 1.30 Construction Schedule
   viii. 1.31 Hurricane Preparedness Plan
   ix. 1.33 SAM.gov

9. Construction Sequence and Means & Methods

   a. Responsibility of the Contractor.
   b. Contractor to submit initial progress schedule in duplicate within one week after the date established in Notice to Proceed for ENGINEER review.

10. Site Familiarity
   a. Before submitting a Bid, it is recommended that each Bidder visit the site to become familiar with local conditions that may in any manner affect cost, progress, performance or furnishing of the Work.
      – Kevan Keiser, GIS, mentioned that this fire station is around several place for lodging and eating.

11. Review of Plans
      – Devin Dedon, LPFD3, mentioned for the exterior fire station sign, the fire district is still undecided about the material they want the sign to be made of.

12. Agency/Owner Comments

      – Devin Dedon, LPFD3, mentioned that the trucks will be removed from the garage for construction.

13. Adjourn

<u>Project Contact Information</u>

GIS Engineering, LLC	985-219-1000
Kevan Keiser, P.E.	Project Manager
John Plaisance, P.E.	Project Engineer
Brenton Hebert, E.I.	Project Engineer
Joseph Chauvin	Construction Manager
Ann Hebert	Project Associate

PART II - ATTACHMENTS

Cost Estimate

Lafourche Parish Fire District No. 3
North Galliano Fire Station No. 15

Project No. 39130-1360

Opinion of Probable Construction Cost
Final Design

Item No.	Item Description	Quantity	Unit	Unit Cost	Subtotal	Total
1	**General**					**$ 10,000.00**
G-01	Mobilization and Demobilization	1	LS	$ 10,000.00	$ 10,000.00	
2	**Front Exterior Side (LA 3235)**					**$ 72,000.00**
FS-01	Replace "North Galliano Fire Station" Sign	1	EA	$ 2,000.00	$ 2,000.00	
FS-02	Remove and Replace 14' x 16' Sectional Doors and Door Operator	2	EA	$ 20,000.00	$ 40,000.00	
FS-03	Remove and Replace Windows Above Sectional Doors	6	EA	$ 2,500.00	$ 15,000.00	
FS-04	Remove and Replace Backflow Preventer and Stainless Steel Housing (Near Concrete Driveway)	1	EA	$ 15,000.00	$ 15,000.00	
3	**Left Exterior Side (North Side)**					**$ 8,000.00**
LS-01	Repairs Motorola Wireless Network Antenna	1	EA	$ 8,000.00	$ 8,000.00	
4	**Right Exterior Side (South Side)**					**$ 750.00**
RS-01	Remove and Replace Surveillance Camera	1	EA	$ 750.00	$ 750.00	
5	**Rear Exterior Side (East Side)**					**$ 27,780.00**
BS-01	Repair and Replace Gutter System	38	LF	$ 60.00	$ 2,280.00	
BS-02	Remove and Replace Metal Personnel Door and Door Frame	1	EA	$ 2,500.00	$ 2,500.00	
BS-03	Remove Spilt Unit HVAC System and Replace with Traditional AC System	1	EA	$ 15,000.00	$ 15,000.00	
BS-04	Remove and Replace Wall Fans with Louvers (Bay Area)	2	EA	$ 4,000.00	$ 8,000.00	
6	**Interior**					**$ 3,200.00**
IR-01	Remove and Replace Acoustical Ceiling Tile (2' x 2' Tile) (Including Ceiling Grid)	160	SF	$ 20.00	$ 3,200.00	
					Subtotal Estimated Construction Cost (Base Bid):	**$ 121,730.00**
	Alternate No. 1					**$ 27,825.00**
ALT-01	Roll-Up Storm Shutters for Exterior Windows (10 - 3' x 5' Windows & 1 - 3' x 3' Windows) (including motors, all labor, materials, and installation)	159	SF	$ 175.00	$ 27,825.00	
	Alternate No. 2					**$ 8,000.00**
ALT-02	Construction of Closet for HVAC System (as per Plans and Specs)	1	EA	$ 8,000.00	$ 8,000.00	

	Alternate No. 3					**$ 27,050.00**
ALT-03	Seal Concrete Block with Masonry Sealer and Clean and Repaint Concrete Wall and Flashing	5,410	SF	$ 5.00	$ 27,050.00	
					Subtotal Estimated Construction Cost (Alternate No. 1):	**$62,875.00**
					Total Estimated Construction Cost (Base Bid & Alternate No. 1):	**$184,605.00**

STATE OF LOUISIANA
KEVAN D. KEISER
License No. 37243
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

5/6/22

PART II - ATTACHMENTS

Front End Documents Table of Contents

FRONT END DOCUMENTS TABLE OF CONTENTS

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

1. Table of Contents.
2. Advertisement for Bids.
3. Instructions to Bidders.
4. List of Required Documents.
5. Louisiana Uniform Public Works Bid Form and Unit Price Form.
6. Bid Security/Bid Bond Form.
7. Resolution.
8. LPFD3 Non-Collusion Affidavit.
9. Louisiana Non-Collusion Affidavit (LRS 38:2224).
10. Verification of Employees Affidavit (LRS 38:2212.10).
11. Attestation Form – Past Criminal Conviction of Bidders (LRS 38:2227).
12. Certification Regarding Unpaid Worker's Compensation Insurance (LRS 23:1726(B)).
13. Owner-Contractor Agreement AIA Document A101-2017, amended by Owner, including its Federal Contract Clauses Exhibit A.
14. Payment and Performance Bond documents.
15. General Conditions of the Contract for Construction AIA Document A201-2017, amended by Owner.
16. Application for Payment documents.
17. Louisiana Dept. of Revenue Sales Tax Exemption Form.

Technical Specification Sections (to follow):

1. Division I: General Requirements
2. Division 1: General Requirements
    a. Section 01 71 13 – Mobilization and Demobilization
3. Division 4: Masonry
    a. Section 04 03 05.15 – Masonry Mortaring
4. Division 6: Wood, Plastics, and Composites
    a. Section 06 10 00 – Rough Carpentry
5. Division 8: Openings
    a. Section 08 11 13 – Hollow Metal Doors and Frames
    b. Section 08 36 13 – Sectional Doors
    c. Section 08 56 19 – Storm Windows
    d. Section 08 91 00 – Metal Wall Louvers
6. Division 9: Finishes
    a. Section 09 51 00 – Acoustical Ceilings
    b. Section 09 90 00 – Painting
7. Division 10: Specialties
    a. Section 10 14 00 – Signs

   b. Section 10 71 13.13 – Storm Shutters
8. Division 13: Special Construction
   a. Section 13 34 19 – Metal Building Systems
9. Division 23: Heating, Ventilating, and Air Conditioning
   a. Section 23 00 00 – Heating, Ventilating, and Air Conditioning
10. Division 26: Electrical
   a. Section 26 00 00 – Electrical Systems
11. Division 40: Process Integration
   a. Section 40 05 67.16 – Backflow Preventer/Check Valve

END OF TABLE OF CONTENTS

PART II - ATTACHMENTS

Section D – Bid Form

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: **Lafourche Parish Fire District 3**
17462 W. Main St., Cut Off, LA 70345

BID FOR: Hurricane Ida Recovery Project:
North Galliano Fire Station No. 15 Restoration
HIR-NG-15
17475 Louisiana Highway 3235, Galliano, Louisiana

The undersigned bidder hereby declares and represents that she/he: a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: GIS Engineering, LLC, 197 Elysian Drive, Houma, Louisiana and dated: August 2022.

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____ .

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____Dollars ($ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 *(Roll-Up Storm Shutters for Exterior Windows (10 - 3' x 5' Windows & 1 - 3' x 3' Windows) (including motors, all labor, materials, and installation)* for the lump sum of:

_____Dollars ($ _____)

Alternate No. 2 *(Construction of Closet for HVAC System (as per Plans and Specs))* for the lump sum of:

_____Dollars ($ _____)

Alternate No. 3 *(Seal Concrete Block with Masonry Sealer and Clean and Repaint Concrete Wall and Flashing (All Walls Except for North Side Wall))* for the lump sum of:

_____Dollars ($_____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER:_____

_____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

**** A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).
BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: **Lafourche Parish Fire District 3**
17462 W. Main St., Cut Off, LA 70345

BID FOR: Hurricane Ida Recovery Project:
North Galliano Fire Station No. 15 Restoration
HIR-NG-15
17475 Louisiana Highway 3235, Galliano, Louisiana

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Mobilization and Demobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
G-01	1	LS		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Replace "North Galliano Fire Station" Sign			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
FS-01	1	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace 14' x 16' Sectional Doors and Door Operator			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
FS-02	2	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace Windows Above Sectional Doors			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
FS-03	6	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace Backflow Preventer and Stainless Steel Housing (Near Concrete Driveway)			
REF. NO.	QUANTITY:	REF. NO.	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
FS-04	1	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Repairs Motorola Wireless Network Antenna			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
LS-01	1	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace Surveillance Camera			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
RS-01	1	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Repair and Replace Gutter System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
BS-01	38	LF		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace Metal Personnel Door and Door Frame			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
BS-02	1	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove Spilt Unit HVAC System and Replace with Traditional AC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
BS-03	1	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace Wall Fans with Louvers (Bay Area)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
BS-04	2	EA		

DESCRIPTION:	☒ Base Bid or ❑ Alt.# ___ Remove and Replace Acoustical Ceiling Tile (2' x 2' Tile) (Including Ceiling Grid)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
IR-01	160	SF		

ALTERNATE NO. 1				
DESCRIPTION:	❑ Base Bid or ☒ Alt.# _1_ Roll-Up Storm Shutters for Exterior Windows (10 - 3' x 5' Windows & 1 - 3' x 3' Windows) (including motors, all labor, materials, and installation)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
ALT-01	159	SF		

ALTERNATE NO. 2				
DESCRIPTION:	❑ Base Bid or ☒ Alt.# _2_ Construction of Closet for HVAC System (as per Plans and Specs)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
ALT-02	1	EA		

ALTERNATE NO. 3				
DESCRIPTION:	❑ Base Bid or ☒ Alt.# _3_ Seal Concrete Block with Masonry Sealer and Clean and Repaint Concrete Wall and Flashing			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
ALT-03	5,410	SF		

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

PART II - ATTACHMENTS

Section Q – Special Provisions

SECTION Q

SPECIAL PROVISIONS

1.01 The ENGINEER for this project is:

GIS Engineering, LLC
Coastal Design & Infrastructure
197 Elysian Drive
Houma, LA 70363

The Project Engineer is KEVAN D. KEISER, P.E.

1.02 The OWNER is the "LAFOURCHE PARISH FIRE DISTRICT NO. 3"

1.03 Work to be done under this section consists of furnishing all labor, materials, equipment, and accessories, and performing all operations to complete the work in accordance with the Contract Documents.

1.04 CONTRACTOR shall be licensed in the State of Louisiana under either of the following classifications:

- **BUILDING CONSTRUCTION**

1.05 Intent - Provisions of these Special Provisions shall supersede and take precedence over conflicting counterpart provisions located elsewhere in the contract documents.

No provisions under this section shall be construed as relieving the CONTRACTOR from his contractual obligations in the performance and satisfactory completion of all Work as specified and contracted for in said contract documents, except as may be duly authorized in writing by the OWNER.

CONTRACTOR is responsible for all testing associated with the contract documents. OWNER may, at his own expense, perform additional testing for acceptance purposes.

1.06 Scope of Work - The Work to be performed under the various bid items for this contract shall include all plant, processing, tools, supplies, labor, materials, equipment, superintendence, and incidentals which may be required for the construction unless otherwise specified for a particular bid item.

1.07 The Bidder is required to examine carefully the site of the proposed work, Proposal, and Contract Documents. He shall satisfy himself as to the character, quality and quantities of Work to be performed, materials to be furnished, and as to the requirements of these specifications. The submissions of a Total Base Bid shall be evidence that the Bidder has made such examinations.

1.08 All notes on the Contract Documents shall be binding and considered as modified specifications.

1.09 The budget for this project is $185K. Should all bids exceed the available budget, the project will only be awarded in the event that the Lafourche Parish Fire District No. 3 approves additional funds.

1.10 The contract time as stipulated in the Proposal Form is Seventy-Five (75) calendar days for substantial completion, with a forty-five (45) day clear lien period required prior to final payment.

1.11 Time Constraints - By submitting a proposal, the CONTRACTOR is certifying that he understands the required time constraints on the construction period of this contract and that he will incorporate the level of effort required to complete all specified Work within the required time frame. The contract time can be adjusted as provided in Section N – General Conditions, Paragraph 15.1.6.2. In computing extensions due to abnormal weather conditions, the following chart will be used to determine normal anticipated days lost due to rain:

January - 11 days	July - 6 days
February - 10 days	August - 5 days
March - 8 days	September – 4 days
April - 7 days	October 3 - days
May - 5 days	November - 5 days
June - 6 days	December - 8 days

Days in excess of the above on a cumulative basis shall be considered "adverse" per Section N, General Conditions, Paragraph 15.1.6.2. This is a calendar day contract. Normal working hours shall be defined as CONTRACTOR's daylight hours working period occurring between the hours set forth as beginning 7:00a.m.and ending at 6:00p.m. Work during times other than specified above shall only be upon written permission from the OWNER.

1.12 CONTRACTOR shall be cognizant of the Load Limits that have been established on the local streets adjacent and leading to the project site. All material hauling operations shall be performed in an appropriate manner such that the street load limits are not ever exceeded.

1.13 CONTRACTOR shall be responsible for protecting the roadway surface during construction of the entire project and particularly during work under this item. CONTRACTOR shall repair to the ENGINEER's satisfaction any damage caused as a result of his/her operations at no direct pay unless otherwise approved by the ENGINEER. All property shall be protected from damage. Property damaged by the CONTRACTOR during the construction of the work shall be, at his expense, repaired or replaced and left in as good condition as found.

1.14 Forms, Plans, and Specifications - The Work shall conform to the plans titled, "NORTH GALLIANO FIRE STATION NO. 15 RESTORATION, PROJECT NO. HIR-NG15" all of which form a part of the contract documents.

1.15 Maintenance of Drainage - The CONTRACTOR shall maintain adequate drainage during construction. The CONTRACTOR shall provide for the removal of water from the land-based Work area and areas adjacent and shall maintain the Work area reasonably dry at all times. No measurement of payment will be made for maintenance of drainage. Payment will be distributed throughout the existing bid items. The CONTRACTOR shall include any and all costs for maintenance of drainage in the contract prices for items of

work to which the work is incidental thereto.

1.16 Communication - The CONTRACTOR shall have someone available to take calls at all times. He shall provide the OWNER and ENGINEER with a local night telephone number to call so that he may be advised of any emergency, trouble, or other matter needing his attention. The emergency telephone number should be displayed on barricades and/or on equipment on the job site.

1.17 Sanitation Facility - Employee sanitation facilities shall be provided and maintained by the CONTRACTOR.

1.18 Tax Exemption – This project is exempt from State Sales Tax. The successful bidder will be provided with the appropriate documentation.

1.19 Insurance will not be measured for payment. Insurance shall be included in the cost of all the other bid items.

1.20 All required records, reports, submittals, etc. shall be provided as per specifications and shall be approved prior to payment of each item.

1.21 The CONTRACTOR shall maintain in a safe place at the site one record copy of all Drawings, Specifications, Addenda, Written Amendments, Change Orders, Work Directive Changes, Field Orders, RFI's and other written interpretations and clarifications in good order and annotated to show all changes made during the construction. These record documents together with all approved samples and a counterpart of all approved Shop Drawings will be available to ENGINEER for reference. Upon completion of the Work, these record documents, samples and Shop Drawings will be delivered to ENGINEER for OWNER.

1.22 A set of red line As-Built Drawings shall be maintained up to date by the CONTRACTOR. The As-Built set of drawings shall indicate all changes and clarifications that occur during the project and shall be delivered to the ENGINEER upon completion of the work. All revisions shall be shown in red and be easily distinguishable from the original design. Changes made through RFI's, field orders, or change orders shall be revised on the drawings and shown in red and properly identified.

1.23 The CONTRACTOR shall provide all electric power and water required for construction of the work at NO DIRECT PAY.

1.24 The CONTRACTOR shall conform to all applicable Federal, State and local laws in carrying out the obligations under the Contract.

1.25 The CONTRACTOR, prior to commencing any work, shall pay all necessary fees and secure, at his own expense, all necessary permits required for the performance of the project work.

1.26 All waste materials and other construction debris shall be picked up and removed from the site by the CONTRACTOR. Final cleanup must be approved and accepted by the OWNER before the contract may be considered complete.

1.27 The OWNER reserves the right to have other work performed by other contractors and to permit the public utility companies and others to do work on, and adjacent to the site. The

CONTRACTOR shall conduct his operations and cooperate with the other parties so as to minimize interference with this other work. Should a difference arise as to the rights of the CONTRACTOR and other contractors or utility companies, the ENGINEER, as the OWNER's representative, shall be sole mediator and his decision shall be final and binding on the CONTRACTOR.

1.28 Authorized changes will be field measured by the ENGINEER and the accepted work will be paid for at the contract bid price per unit.

1.29 Payment shall be made at the unit price or lump sum amount, as shown in the CONTRACTOR's Bid for applicable items of work. Items of work required to complete the project in accordance with the plans and specifications for which no specific bid item appears in the Contract Documents shall not be paid for separately, but shall be included in the prices shown in the CONTRACTOR's Bid for applicable, related items of work.

1.30 CONSTRUCTION SCHEDULE

A. Submit initial progress schedule in duplicate within one week after the date established in Notice to Proceed for ENGINEER review.
B. Submit revised schedules with each Application for Payment, identifying changes since previous version. Indicate estimated percentage of completion for each item of work at each submission.

1.31 Within 30 days of the date of Notice to Proceed, submit to the ENGINEER and the OWNER, for approval, a Hurricane Preparedness Plan. The Plan shall describe in detail the necessary measures which the CONTRACTOR will perform, at no additional costs to the OWNER, in case of a hurricane warning. Revise Plan as required by the ENGINEER and OWNER. "

1.32 In the event of inclement weather, the CONTRACTOR shall protect the Work and materials from damage or injury from the weather. If, in the opinion of the ENGINEER, any portion of the Work or materials has been damaged by reason of failure on the part of the CONTRACTOR to so protect the Work, such Work and materials shall be removed and replaced with new materials and Work to the satisfaction of the ENGINEER.

1.33 The Bidder must not be debarred as determined by the Federal Government's Excluded Parties List, and it is the responsibility of the Contractor to verify subcontractor eligibility based on factors such as past performance, proof of liability insurance, possession of a federal ID tax number, debarment, and state and local licensing requirements. The prime contractor may use the web site: https://www.sam.gov/SAM to determine if a subcontractor has been debarred at the federal level.

PART II - ATTACHMENTS

Technical Specification Table of Contents

NORTH GALLIANO FIRE STATION NO. 15 RESTORATION
TECHNICAL SPECIFICATIONS

TABLE OF CONTENTS

SECTION	TITLE
DIVISION I	**GENERAL REQUIREMENTS**
DIVISION 01	**GENERAL REQUIREMENTS**
01 71 13	MOBILIZATION AND DEMOBILIZATION
DIVISION 04	**MASONRY**
04 03 05.13	MASONRY MORTARING
DIVISION 06	**WOOD, PLASTICS, AND COMPOSITES**
06 10 00	ROUGH CARPENTRY
DIVISION 08	**OPENINGS**
08 11 13	HOLLOW METAL DOORS AND FRAMES
08 36 13	SECTIONAL DOORS
08 56 19	STORM WINDOWS
08 91 00	METAL WALL LOUVERS
DIVISION 09	**FINISHES**
09 51 00	ACOUSTICAL CEILINGS
09 90 00	PAINTING
DIVISION 10	**SPECIALITIES**
10 14 00	SIGNS
10 71 13.13	STORM SHUTTERS
DIVISION 13	**SPECIAL CONSTRUCTION**
13 34 19	METAL BUILDING SYSTEMS
DIVISION 23	**HEATING, VENTILATING, AND AIR CONDITIONING**
23 00 00	HVAC SYSTEM
DIVISION 26	**ELECTRICAL**
26 00 00	ELECTRICAL SYSTEMS
DIVISION 40	**PROCESS INTEGRATION**
40 05 67.16	BACKFLOW PREVENTER/CHECK VALVE

PART II - ATTACHMENTS

Technical Specification No. 08 91 00 – Metal Wall Louvers

SECTION 08 91 00
METAL WALL LOUVERS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only. The most recent edition shall be used.

AIR MOVEMNT AND CONTROL ASSOCIATION (AMCA)

AMCA 500-L	(2015) Laboratory Methods of Testing Louvers for Rating
AMCA 511	(2010; R 2016) Certified Ratings Program for Air Control Devices

ALUMINUM ASSOCIATION (AA)

AA DAF45	(2003; Reaffirmed 2009) Designation System for Aluminum Finishes

AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA)

AAMA 611	(2014) Voluntary Specification for Anodized Architectural Aluminum
AAMA 2603	(2020) Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels
AAMA 2605	(2020) Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels

ASTM INTERNATIONAL (ASTM)

ASTM A123/A123M	(2017) Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
ASTM A653/A653M	(2020) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

ASTM A780/A780M	(2020) Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings
ASTM A1008/A1008M	(2021a) Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable
ASTM B209/B209M	(2014) Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
ASTM B221/B221M	(2021) Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

1.3 SUBMITTALS

A. Contractor shall submit the information below to the Engineer for review. Engineer approval is required for submittals with an "E" designation; submittals not having an "E" designation are for information only.

SD-02 Shop Drawings

Wall Louvers

SD-03 Product Data

Metal Wall Louvers

SD-04 Samples

Wall Louver Samples; E

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to the site in an undamaged condition. Carefully store materials off the ground to provide proper ventilation, drainage, and protection against dampness. Louvers must be free from nicks, scratches, and blemishes. Replace defective or damaged materials with new.

1.5 DETAIL DRAWINGS

A. Show all information necessary for fabrication and installation of wall louvers. Indicate materials, sizes, thicknesses, fastenings, and profiles.

1.6 COLOR SAMPLES

A. Colors of finishes for wall louver samples must closely approximate colors indicated. Where color is not indicated, submit the manufacturer's standard colors to the Engineer for selection. For this project, the color shall match the existing louvers.

PART 2 PRODUCTS

2.1 MATERIALS

A. Galvanized Steel Sheet: ASTM A653/A653M, coating designation Z275.

B. Aluminum Sheet: ASTM B209/B209M, alloy 3003 or 5005 with temper as required for forming.

C. Extruded Aluminum: ASTM B221/B221M, alloy 6063-T5 or 6063-T52.

D. Stainless Steel: Type 302 or 304, with 2B finish.

2.2 METAL WALL LOUVERS

A. Weather resistant type, with bird screens and made to withstand a wind load of not less than 30 pounds per square foot. Wall louvers must bear the AMCA certified ratings program seal for air performance and water penetration in accordance with AMCA 500-L and AMCA 511. The rating must show a water penetration of 0.20 or less ounce per square foot of free area at a free velocity of 800 feet per minute.

B. Extruded Aluminum Louvers: Fabricated of extruded 6063-T5 or 6063-T52 aluminum with a wall thickness of not less than 0.081 inches.

C. Formed Metal Louvers: Formed of stainless steel sheet not thinner than 16 U.S. gauge. Or aluminum sheet not less than 0.08 inches thick.

D. Mullions and Mullions Covers: Same material finish as louvers. Provide mullions (for all louvers more than 5 feet in width at not more than 5 feet on centers). Provide mullion covers on both faces of joints between louvers.

2.3 FASTENERS AND ACCESSORIES

A. Provide zinc-coated or stainless steel screws and fasteners for steel louvers. Provide other accessories as required for complete and proper installation.

2.4 FINISHES

A. Surfaces specified must have a zinc coating, a phosphate treatment, and a shop prime coat of rust-inhibitive paint. The galvanized coating must conform to ASTM A653/A653M, coating designation Z275, except that louvers located in conditioned spaces on interior of the building may be Z180. The weight of zinc coatings must be as designated in Table I of ASTM A123/A123M for the thickness of base metal to be coated. The prime coat must be a type especially developed for materials treated by phosphates and adapted to application by dipping or spraying. Repair damaged zinc-coated surfaces by the materials and methods conforming to ASTM A780/A780M and spot prime.At the option of the Contractor, a two-part system including bonderizing, baked-on epoxy primer, and baked-on enamel top coat may be applied before forming, in lieu of prime coat specified.

PART 3 EXECUTION

3.1 INSTALLATION

A. Wall Louvers: Install using stops or moldings, flanges, strap anchors, or jamb fasteners as appropriate for the wall construction and in accordance with manufacturer's recommendations.

B. Screens and Frames: Attach frames to louvers with screws or bolts.

3.2 PROTECTION

A. Paint metal in contact with mortar, concrete, or other masonry materials with alkali-resistant coatings such as heavy-bodied bituminous paint.

PART 4 MEASUREMENT AND PAYMENT

4.1 MEASUREMENT

A. The contract unit price per for all Metal Wall Louvers shall include furnishing all labor, materials, tools, equipment and any incidental items required to complete the work required by the plans and as specified.

4.2 PAYMENT

A. Payment for the items listed below shall include all materials, equipment, labor and incidentals necessary to complete the work as shown on the drawings, and shall be paid under:

Item No.	Pay Items	Pay Units
BS-04	Remove and Replace Wall Fans with Louvers (Bay Area)	Each

END OF SECTION 08 91 00

PART II - ATTACHMENTS

Technical Specification No. 40 05 67.16 – Backflow Preventer/Check Valve

SECTION 40 05 67.16
BACKFLOW PREVENTER/CHECK VALVE

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 PROJECT CONDITIONS

A. Licensing: All work specified in this section, except for water system service line installation, is to be performed by a contractor with a valid Contractor's license issued by the State of Louisiana. Water service line installation may be performed by either a contractor with a valid Louisiana Contractor's license or by an individual having a valid Master Plumber's license issued by the State of Louisiana.

B. Traffic Control: Schedule and conduct Work in a manner which will minimize inconvenience to vehicular and pedestrian traffic. Provide flaggers, barricades, warning signs, warning lights, and other warning means as appropriate. Maintain traffic on all roads and streets which must be crossed or paralleled by water lines.

C. Connection to Existing Pipework: Where it is required that connection be made to existing pipework, expose existing piping and determine the exact fittings and/or other appurtenances necessary to make the connection. Connections to existing pipework indicated on drawings (if any) are shown only for the purpose of illustrating the general type of connection desired, and no assurance exists that such illustration can be followed precisely.

D. Weather Limitations: Conduct all operations during weather conditions appropriate to the work being performed.

1.3 SUBMITTALS

A. Manufacturer's Data: For information only, submit producer's or manufacturer's specifications and installation instructions (where appropriate) for the following products, including laboratory test reports, notarized certifications, or other data as may be required to show compliance with these Specifications, including specified standards:

Pipe, tubing, fittings and joints.

Valves.

Anchorage systems and materials.

1.4 QUALITY ASSURANCE

A. Manufacturer: Furnish manufactured items, fittings, valves and fire hydrants, from manufacturers having regularly produced such items as specified herein which have proven satisfactory in actual service, over at least a two year period, as determined by the Engineer.

B. Imperfections: Irregardless of tolerances permitted by industry standards specified herein, the Engineer may reject pipe or appurtenances at the manufacturing plant or project site, which have cracks, chips, blisters, lack of smooth interior or exterior surface, evidence of structural weakness, porosity, joint defect, significant variation from theoretical shape, or other imperfection which might, in the opinion of the Engineer, contribute to a reduced functional capability, accelerated deterioration, or reduced structural strength.

C. Repairs: Do not use patched or repaired pipe or appurtenances unless each individual length or element has been approved and marked for repair by the Engineer at the manufacturing plant. Repairs, other than at the manufacturing plant, are not permitted.

PART 2 PRODUCTS

2.1 MATERIALS

A. Provide all materials, products and accessories required for complete, properly functioning system. Use only those pipe, fitting and accessory materials that are free of qualities which impart taste, odor or toxicity to potable water.

2.2 DUCTILE IRON PIPING SYSTEMS

Ductile Iron Piping System Type 1 (DIPW-1):

A. Pipe: For pipe with push-on or mechanical joints, provide ductile cast iron pipe conforming with ANSI A21.51 for wall thickness not less than required by ANSI A21.50 using Tables 50.5 and 50.12 for minimum 250 PSIG rated working pressure, laying condition 2, and depth of cover 2 1/2 or 5 feet, whichever requires the greater wall thickness. Provide double thickness of bituminous coating on pipe exterior. On the bell of each joint of pipe legibly stencil, using ½ inch height minimum size letters, initials "L.P.W.D." with yellow, silver or white paint. Encase all direct burial ductile pipe with 8 mil polyethylene tube conforming with AWWA C105. For pipe with flanged joints or grooved joints, provide ductile cast iron conforming with ANSI A21.15 for thickness Class 53 in Table 15.1 for minimum 250 PSIG rated working pressure.

B. Pipe Lining: Provide standard cement mortar pipe lining complying with ANSI A21.4, and standard bituminous coating over lining. Do not use any material which imparts taste or odor to potable water, or which is toxic to humans.

C. Fittings: Use gray or ductile iron fittings complying with ANSI A21.10 and A21.11 for minimum 250 PSI pressure rating, lined and coated same as connecting pipe. At Contractor's option, ductile iron compact fittings complying with ANSI A21.53 for minimum 350 PSI pressure rating, lined and coated same as connecting pipe, may be used.

D. Joints: For pipe, fittings and valves, use the following joint types indicated for the specified locations, unless otherwise specified or shown.

E. Flanged Joint (FJ): Flanged joint complying with ANSI B16.1 for standard 125 pound drilling, unless 250 pound drilling is indicated on Drawings or is required for connecting valves. For visible piping, use corrosion resistant alloy bolts, and rubber gaskets complying with Appendix A to ANSI A21.15. Provide flanged joints for normally visible piping, unless noted otherwise. For direct burial piping with flanged joints, use 18-8 stainless steel nuts and bolts. Wrap direct burial joints with approved 8 mil polyethylene film.

F. Mechanical Joint (MJ): Mechanical joint complying with ANSI A21.11. Use "Corten" bolts or approved equal. Provide mechanical joints for direct burial piping or concealed piping within structures, for piping installed in tunnel liner, or, at Contractor option, for direct burial piping outside structures. Wrap direct burial joints with approved 8 mil polyethylene film.

G. Push-On Joint (POJ): Push-on type joint complying with ANSI A21.11. Provide push-on joints for direct burial piping outside structures.

H. Grooved Joint Coupling (GJC): Where indicated on the Drawings provide bolted couplings utilizing grooved and shouldered pipe ends complying with AWWA C606, and suitable for not less than 150 PSIG working pressure while permitting angular and restrained longitudinal flexibility of connecting pipe. Fabricate body of malleable iron, coupling gasket of molded synthetic rubber, and bolting of corrosion resistant steel alloy.

I. Firms offering products complying with these specifications include the following:
   1. Victaulic (Style 31)
   2. Aeroquip, Gustin-Bacon Division (100 Series)

2.3 NON-METALLIC PIPING SYSTEMS

Polyvinyl Chloride Piping System Type 2 (PVCPW-2):

A. Pipe: Non-toxic, polyvinyl chloride compound meeting ASTM D1784 and conforming with the requirements of AWWA C900, with ductile iron outside diameter, and of the following class and dimension ratio:

   Class 150 (DR 18)

B. Fittings: Gray or ductile iron fittings complying with ANSI A21.10 or A21.11 for not less than 250 PSI pressure rating. At Contractor's option, ductile iron compact fittings complying with ANSI A21.53 for not less than 350 PSI pressure rating may be used. Provide cement mortar interior lining complying with ANSI A21.4, and manufacturer's standard bituminous coating over lining. Provide double bituminous coating on fitting exterior. Do not use any lining or coating which imparts taste or odor to potable water, or which is toxic to humans.

C. Joints (Gray or D.I. Fittings): Comply with ANSI A21.11, and unless otherwise shown or required, use at Contractor option push-on type joint or mechanical joint utilizing "Corten" bolts or approved equal. Wrap direct burial mechanical joints with approved 8 mil polyethylene film.

D. Joints (PVC Pipe): Unless otherwise shown or required, use integral bell gasketed joint with flexible elastomeric seals conforming to ASTM D3139.

Polyethylene Piping System Type 1 (PEPW-1):

E. Pipe: Non-toxic, high density polyethylene compound meeting ASTM D3350 designation PE 3408 and conforming with the requirements of AWWA C906, with ductile iron outside diameter, and of the following class and dimensional ratio:

   Class 100 (DR 17)

F. Fittings: Fittings manufactured from same material compound as pipe and conforming to AWWA C906.

G. Joints: Unless otherwise shown or required, use thermal butt-fusion jointing system conforming to ASTM D2657 for both pipe and fittings.

2.4 VALVES AND ACCESSORIES

Gate Valve Type 1 (GVW-1), only for tapping sleeve applications:

A. Cast iron body, bronze mounted AWWA C500 gate valves, rated for 200 PSIG working pressure, with counterclockwise opening, manual operator unless another type operator is shown or specified. Equip gate valves over 16 inch size with valved bypasses. Furnish valves under 16 inch size with epoxy interior coating system having a minimum dry film thickness of 4 mils and complying with AWWA C550.

Tapping Sleeves and Valves (TSVW):

B. Stainless steel tapping sleeve and gate valve assembly complying with AWWA C223 suitable for working pressures up to 150 PSIG and testing pressures up to 225 PSIG. Fabricate sleeve unit, including shell, lugs, nuts, bolts, flange and test plug, from 18-8 stainless steel. Provide sleeve lining gasket and flange gasket of styrene butadiene rubber suitable for potable water service. Furnish gate valve complying with preceding gate valve type 2 specification except provide one valve end flanged as required for attachment to tapping sleeve.

C. Furnish one of the following tapping sleeve units:
   1. Ford Meter Box Company, Inc. Style FAST

2. JCM Industries, Inc. Style 432
3. Power Seal Pipeline Products Corp. Style 3490-AS
4. Romac Industries, Inc. Style SST
5. Mueller Company Model H304-SS

2.5 ANCHORAGE MATERIALS

A. Metal Tie Rods, Bands and Accessories: 18-8 stainless steel or other acceptable corrosion resistant components which when combined as a system resist applied thrust at test and working pressures, with suitable allowance for water hammer.

2.6 HOUSING

A. The Backflow Preventer shall be housed in a hard sided enclosure that is rustproof, such as stainless steel or approved equal, and insulated to prevent the backflow preventer from freezing during freeze conditions.

B. The Housing shall bolt to an existing concrete slab in order to resist wind loads.

C. The Housing shall have lockable doors and/or a lid to provide access to the Backflow Preventer for testing and certification purposes.

PART 3 EXECUTION

3.1 GENERAL

A. The Drawings are generally schematic, and it is required that the Contractor extend and/or modify construction details, as approved by the Engineer, when field conditions necessitate such changes to achieve a safe and properly functioning system.

B. Construct and, if necessary, reconstruct water system work as necessary to obtain system free of breaks or excessive leakage.

C. Unless otherwise indicated, lay and join pipe in trenches and on foundations complying with methods proposed by the pipe manufacturer in writing and approved by the Engineer. Methods will not be approved which are likely to result in lower quality of installation than that afforded by requirements contained in the following articles.

D. Install PVC pipe with rubber ring joints in accordance with AWWA C605.

E. Install PE pipe with thermal butt-fusion joints in accordance with ASTM D2657 and D2774.

F. Install ductile iron pipe in accordance with AWWA C600 and as herein specified. Encase all ductile iron pipe in polyethylene tube as indicated in AWWA C105.

3.2 PIPE CONNECTIONS

A. Make all pipe connections with standard factory fabricated fittings except where special connection details (if any) are shown on Drawings.

3.3 VALVES AND FITTINGS

A. Provide valves, fire hydrants, fittings and other appurtenances as indicated on the Drawings, specified herein, and as requested by the Engineer.

B. Set valves and valve boxes plumb, with valve box cover level with surface. Set lower section of valve box concentric with valve operating stem. Avoid contact at lower end of valve box with valve body or

pipe. When valves are installed in areas not subject to vehicular traffic, provide a 24" x 24" x 4" thick concrete pad around each valve box.

3.4 LINE CLEANING

A. Avoid permitting dirt, rubbish, construction materials, etc. to enter lines and appurtenances during construction. Use whatever means are necessary to obtain a clean and internally smooth system prior to final acceptance.

B. Limit use of flushing water to rates and quantities which will not interfere with service to water customers.

3.5 WATER LEAKAGE

A. Make entire water line system as near watertight as practicable. Eliminate all detectable leakage regardless of test results hereinafter required.

B. Repair all breaks, detectable leaks or other defects and retest as many times as necessary to obtain passing test.

PART 4 MEASUREMENT AND PAYMENT

4.1 MEASUREMENT

A. The contract unit price per for Backflow Preventers/Check Valves shall include furnishing all labor, materials, tools, equipment and any incidental items required to complete the work required by the plans and as specified.

4.2 PAYMENT

A. Payment for the items listed below shall include all materials, equipment, labor and incidentals necessary to complete the work as shown on the drawings, and shall be paid under:

Item No.	Pay Items	Pay Units
FS-04	Remove and Replace Backflow Preventer and Stainless Steel Housing (Near Concrete Driveway)	Each

END OF SECTION 40 05 67.16

PART II - ATTACHMENTS

Plan Sheet 02 – General Notes and Quantities

GENERAL NOTES:

1. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IS APPROXIMATE ONLY. CONTRACTOR SHALL BE CHARGED WITH THE RESPONSIBILITY OF PHYSICALLY VERIFYING THE EXACT LOCATION, DEPTH OR HEIGHT OF ALL UNDERGROUND AND OVERHEAD UTILITIES. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AND/OR THE APPROPRIATE UTILITY COMPANIES FOR THE LOCATION OF UNDERGROUND AND/OR OVERHEAD SERVICES A MINIMUM OF 48 HOURS PRIOR TO BEGINNING OF ANY CONSTRUCTION ACTIVITIES.

2. THE CONTRACTOR IS WARNED THAT EXISTING OVERHEAD AND UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL LINES & POLES, DUCTS, CABLES, TELEPHONE CABLES, GAS LINES, WATER LINES, AND SANITARY SEWER LINES EXIST IN THE GENERAL AREA AND/OR RIGHTS OF WAY WHERE THE PROPOSED WORK IS TO BE CONSTRUCTED. THESE PLANS DO NOT WARRANT THE EXISTENCE OR NON-EXISTENCE OF UTILITIES OR CONFLICTS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO IDENTIFY, TO LOCATE AND TO PROTECT ALL THE EXISTING UTILITIES IN THE FIELD AND TO TAKE NECESSARY PRECAUTIONS TO PREVENT ANY DAMAGE OR INTERRUPTION IN SERVICE TO ANY UTILITIES OR CONFLICTS LOCATED WITHIN THE PROJECT LIMITS. ANY DAMAGE TO EXISTING CAUSED BY THE EXECUTION OF THE WORK UNDER THIS CONTRACT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE OWNER DOES NOT ASSUME OR IMPLY TO ANY LIABILITY FOR THE LOCATION, PROTECTION, AND/OR REPAIR OF EXISTING UTILITIES THAT MAY OCCUPY JOINT RIGHT-OF-WAY, THE WORK AREA, OR OTHERWISE CONFLICT WITH THE CONSTRUCTION OF THE WORK TO BE INSTALLED UNDER THIS CONTRACT.

3. WHEN UTILITY COMPANIES ARE RESPONSIBLE FOR ADJUSTMENTS OF THEIR INDIVIDUAL ITEMS (UTILITY POLES, GUY WIRES, FIRE HYDRANTS, ETC.), THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE VARIOUS UTILITY COMPANIES TO MEET THESE REQUIREMENTS.

4. CONTRACTOR SHALL COMPLY, AT NO ADDITIONAL COST TO THE OWNER OR TENANT, WITH ANY CONDITIONS OR REQUESTS PROVIDED BY THE UTILITY COMPANIES FOR ANY UTILITY CROSSINGS THAT MAY BE LOCATED WITHIN THE PROPOSED PROJECT AREA.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE OWNER WITH PRECONSTRUCTION PHOTOGRAPHS OR VIDEOS OF ALL CONSTRUCTION AREAS PRIOR TO BEGINNING ANY WORK. ALL COSTS SHALL BE INCLUDED IN THE ITEM FOR MOBILIZATION.

6. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATIONS DURING THE PERFORMANCE OF THIS PROJECT. SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER AND THE OWNER ARE NOT RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATION THERETO.

7. ALL WORK AROUND HIGH VOLTAGE POWER LINES SHALL BE IN ACCORDANCE WITH OSHA AND THE UTILITY OWNER REQUIREMENTS.

8. PROJECT PLANS AND CONTRACT DOCUMENTS AND BE SUBJECT TO OBSERVATION BY THE OWNER'S REPRESENTATIVES. CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF PROJECT PLANS AND A COMPLETE SET OF CONTRACT DOCUMENTS ON THE JOB SITE AT ALL TIMES.

9. THE CONTRACTOR SHALL NOTIFY FIBER OPTICS AND GAS LINE COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBER OPTIC CABLE AND/OR GAS LINES ARE LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.

10. THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL PERMITS AND INSPECTIONS THAT ARE REQUIRED TO PERFORM THE WORK. PERMITS SHALL BE OBTAINED AND INSPECTIONS SCHEDULED A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES.

11. A PERMIT FOR DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITIES MAY BE REQUIRED FOR THIS PROJECT. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE OWNER SHALL BE PROVIDED WITH AN LDEQ APPROVED COPY OF THE CONTRACTOR'S STORM WATER MANAGEMENT PLAN AND PERMIT FOR THE PROJECT, IF REQUIRED.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A TRAFFIC CONTROL PLAN TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY PRE-CONSTRUCTION MEETING, IF REQUIRED.

13. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL DAMAGE TO ANY FACILITY, EQUIPMENT, CABLE, WIRE, PAVEMENT, ACCESS ROAD, OR OTHER STRUCTURE CAUSED BY HIS OPERATION WITH ACCEPTABLE SUITABLE MATERIALS, TO ORIGINAL (PRE-CONSTRUCTION) OR BETTER CONDITION AND TO THE SATISFACTION OF THE ENGINEER, AT NO COST TO THE OWNER.

14. ACCESS TO ALL EXISTING DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.

15. OBSERVATIONS OF THE WORK IN PROGRESS AND/OR FIELD TESTING PERFORMED BY THE OWNER OR ENGINEER SHALL IN NO WAY EXCUSE THE CONTRACTOR FOR DEFECTS DISCOVERED IN HIS WORK.

16. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL TEST REPORTS AND INSPECTION RECORDS TO THE OWNER AND ENGINEER.

17. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, AND FLAGGING DURING THE PERFORMANCE OF THIS CONTRACT AS REQUIRED BY THE OWNER AT NO DIRECT PAY.

18. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. IF CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.

19. THE CONTRACTOR SHALL SUBMIT A PROJECT CONSTRUCTION SCHEDULE TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL BEFORE ANY CONSTRUCTION STARTS.

20. THE CONTRACTOR SHALL AT ALL TIMES KEEP A SEPARATE, FULL SET OF CONTRACT DRAWINGS MARKED UP FULLY TO INDICATE AS BUILT CONDITIONS. SAID DRAWINGS SHALL BE PROVIDED TO THE OWNER UPON COMPLETION OF THE WORK PRIOR TO FINAL ACCEPTANCE.

21. ALL EXISTING (TO REMAIN) STRUCTURES AND PHYSICAL FEATURES, INCLUDING BUT NOT LIMITED TO CONCRETE SLABS, FENCES, AGGREGATE SURFACING, SHRUBS, TREES, AND VEGETATION DISTURBED OR DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED IN-KIND OR REPAIRED AT NO DIRECT PAY TO THE OWNER.

22. NO DIRECT PAY WILL BE MADE FOR ANY WORK RELATED TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES THAT ARE REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.

23. ANY ITEM NOT DESIGNATED TO BE REMOVED OR ANY EXISTING STRUCTURES, I.E. FENCE, GATE, PAVEMENT, LAWN, TREES, OR SHRUBBERY, AND ANY OTHER ITEM DISTURBED WITHIN CONSTRUCTION SERVITUDE OR OUTSIDE PROJECT ROW SHALL BE REPLACED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.

24. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, EXISTING ELEVATIONS, AND CONDITIONS SHOWN IN THE PLANS PRIOR TO ORDERING ANY MATERIAL, COMMENCEMENT OF CONSTRUCTION, AND PREPARATION OF SHOP DRAWINGS. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.

25. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING DRAINAGE PATTERNS THROUGHOUT THE DURATION OF THE PROJECT.

26. CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PRIOR TO CONSTRUCTION TO FAMILIARIZE HIMSELF WITH THE SITE CONDITIONS AND ANY STRUCTURE OR POTENTIAL OBSTRUCTIONS.

27. CONTRACTOR SHALL CLEAN AND REMOVE ALL TRASH WITHIN PROJECT LIMITS PRIOR TO END OF CONTRACT.

28. CONTRACTOR SHALL KEEP ALL STATE AND FEDERAL HIGHWAYS CLEAN DURING CONSTRUCTION ACTIVITIES.

29. ALL CONTRACTOR HAULING OPERATIONS SHALL ABIDE BY FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES INCLUSIVE OF POSTED WEIGHT LIMITS.

30. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING ROADS USED FOR ACCESS, HAULING, AND/OR OTHER CONSTRUCTION ACTIVITIES, TO ITS ORIGINAL CONDITION. IF ANY OF THESE EXISTING ROADS USED FOR ACCESS, HAULING, AND/OR OTHER CONSTRUCTION ACTIVITIES ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THEM TO ITS ORIGINAL (PRE-CONSTRUCTION) OR BETTER CONDITION, TO THE SATISFACTION OF THE ENGINEER, AT NOT COST TO THE OWNER.

31. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS PRIOR TO BIDDING IN ORDER TO DETERMINE ACCESS TO THE PROJECT SITE DURING CONSTRUCTION.

32. IT WILL THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT DAILY OPERATIONS AT EACH FACILITY WILL NOT BE INTERRUPTED NOR AFFECTED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE EFFORTS AND KEEP IN CONSTANT COMMUNICATION WITH FIRE DEPARTMENT AS TO DAILY ACTIVITIES.

Item Number	Item Description	Estimated Bid Quantity	Unit
1	**General**		
G-01	Mobilization & Demobilization	1	LS
2	**Front Exterior Side (LA 3235)**		
FS-01	Replace "North Galliano Fire Station" Sign	1	EA
FS-02	Remove and Replace 14' x 16' Sectional Doors and Door Operator	2	EA
FS-03	Remove and Replace Windows Above Sectional Doors	6	EA
FS-04	Remove and Replace Backflow Preventer and Stainless Steel Housing (Near Concrete Driveway)	1	EA
3	**Left Exterior Side (North Side)**		
LS-01	Repairs Motorola Wireless Network Antenna	1	EA
4	**Right Exterior Side (South Side)**		
RS-01	Remove and Replace Surveillance Camera	1	EA
5	**Rear Exterior Side (East Side)**		
BS-01	Repair and Replace Gutter System	38	LF
BS-02	Remove and Replace Metal Personnel Door and Door Frame	1	EA
BS-03	Remove Split Unit HVAC System and Replace with Traditional AC System	1	EA
BS-04	Remove and Replace Wall Fans and Louvers (Bay Area)	2	EA
6	**Interior**		
IR-01	Remove and Replace Acoustical Ceiling Tile (2' x 2' Tile) (Including Ceiling Grid)	160	SF
	Alternate No. 1		
ALT-01	Roll-Up Storm Shutters for Exterior Windows (10 - 3' x 5' Windows & 1 - 3' x 3' Windows) (including motors, all labor, materials, and installation)	159	SF
	Alternate No. 2		
ALT-02	Construction of Closet for HVAC System (as per Plans and Specs)	1	EA
	Alternate No. 3		
ALT-03	Seal Concrete Block with Masonry Sealer and Clean and Repaint Concrete Wall and Flashing (All Walls Except for North Side Wall)	3,870	SF

1 = ADDED REMOVE AND REPLACE BACKFLOW PREVENTER AND STAINLESS STEEL HOUSING

1 = ADDED REMOVE AND REPLACE WALL FANS WITH LOUVERS

NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA. ACTUAL FIELD CONDITIONS MAY DIFFER.

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REVISIONS

No.	Description	Date
0	ISSUED FOR BIDS	08/2022
1	ADDENDUM NO. 2	08/2022

STATE OF LOUISIANA
KEVAN D. KEISER
License No. 37243
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
9/6/22

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LAFOURCHE PARISH FIRE DISTRICT NO. 3

NORTH GALLIANO FIRE STATION NO. 15 REHABILITATION

GENERAL NOTES AND QUANTITIES

Project number	39130-1360
Date	MAY 2022
Designed by	BMH
Drawn by	BMH
Checked by	KDK
Checked by	JJP
Plot Date	September 7, 2022

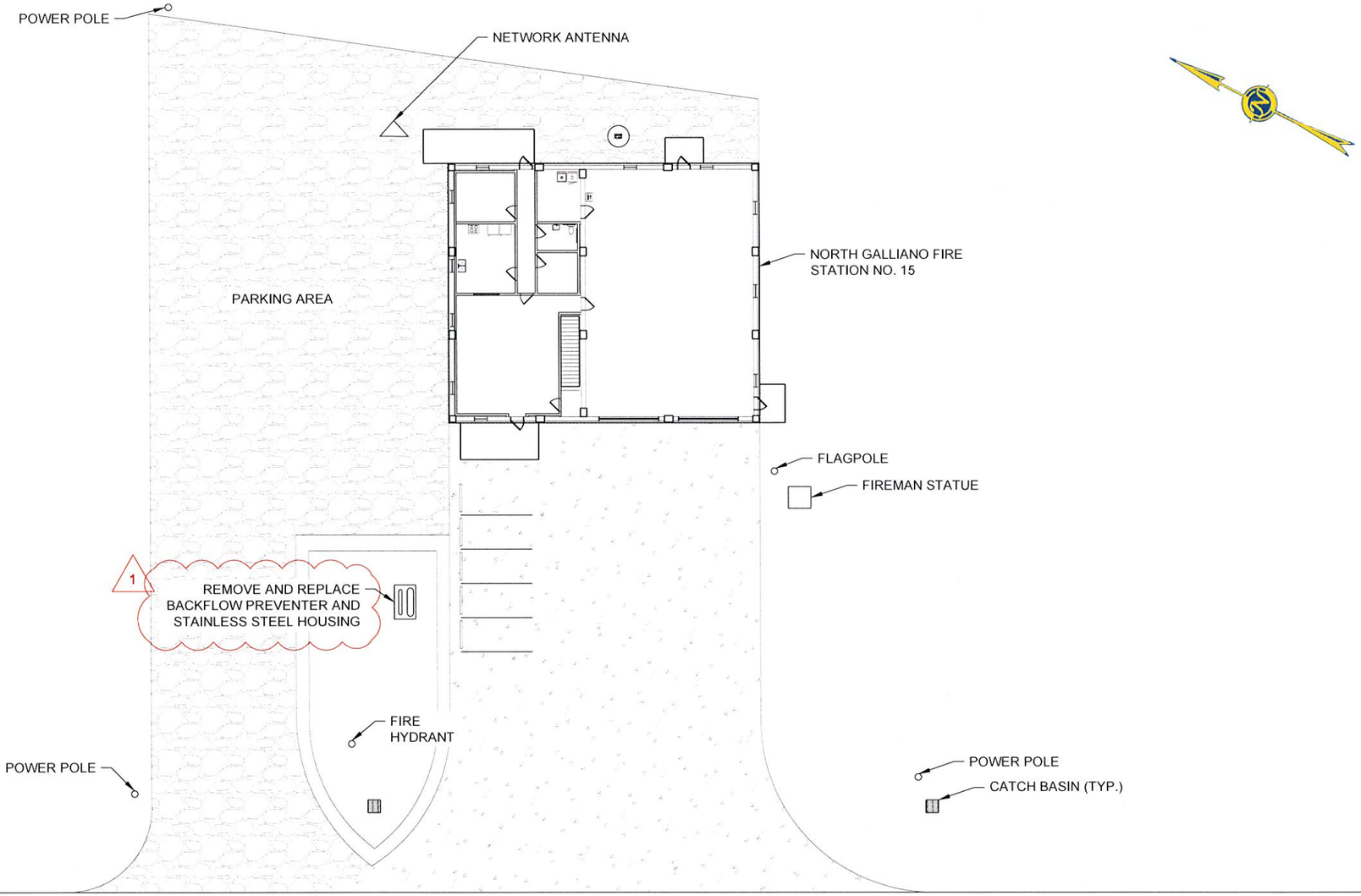
02

PART II - ATTACHMENTS

Plan Sheet 04 – Site Plan

1

DAMAGED BACKFLOW PREVENTER
AND MISSING HOUSING



LA HWY 3235 (NORTHBOUND LANE)

GRASS MEDIAN

LA HWY 3235 (NORTHBOUND LANE)

NOTES:
1. DRAWING NOT TO SCALE

1 = ADDED REMOVE AND REPLACE BACKFLOW PREVENTER AND STAINLESS STEEL HOUSING

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LAFOURCHE PARISH FIRE DISTRICT NO. 3

NORTH GALLIANO FIRE STATION NO. 15 REHABILITATION

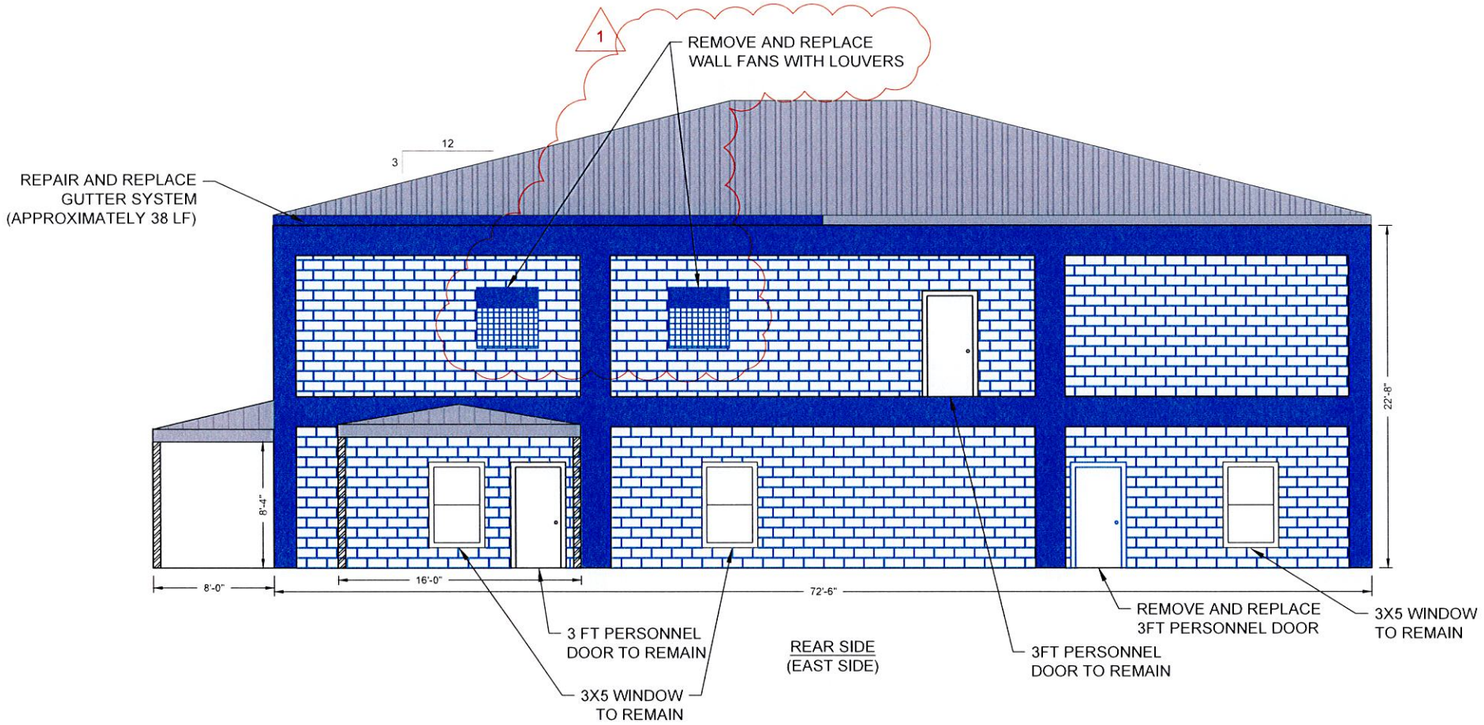
SITE PLAN

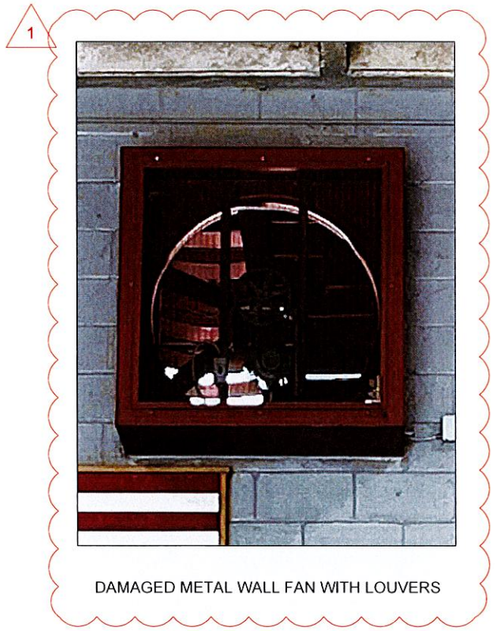
Project number	39130-1360
Date	AUGUST 2022
Designed by	BMH
Drawn by	BMH
Checked by	KDK
Checked by	JJP
Plot Date	September 7, 2022

04

PART II - ATTACHMENTS

Plan Sheet 10 – Elevation Views (Rear)

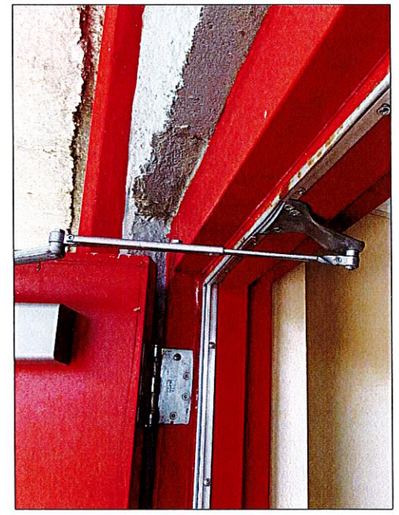




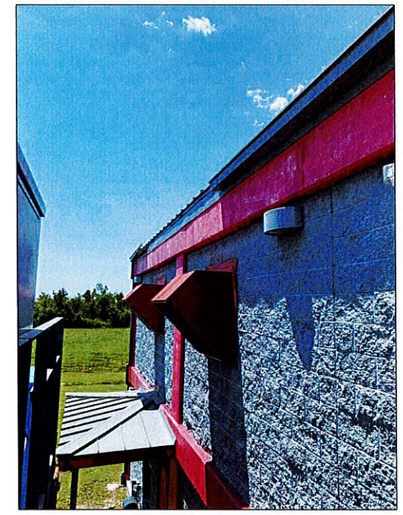
DAMAGED METAL WALL FAN WITH LOUVERS

CRACKING IN EXTERIOR WALL

DAMAGED AC UNIT



DAMAGED EXTERIOR METAL PERSONNEL DOOR



MISSING/DAMAGED SECTION OF GUTTER SYSTEM

NOTES:

ALTERNATE BID ITEM NO. 1

1. ALL EXTERIOR WINDOWS SHALL HAVE A ROLL-UP STORM SHUTTER INSTALLED. THIS ROLL-UP STORM SHUTTERS SHALL INCLUDE ELECTRIC MOTORS.

ALTERNATE BID ITEM NO. 2

1. THE CRACKING IN THE EXTERIOR WALLS SHALL BE SEALED WITH MASONRY SEALER. UPON COMPLETION OF THE APPLICATION OF THE MASONRY SEALER, THE STRUCTURE SHALL BE CLEANED AND REPAINTED.

1 = ADDED REMOVE AND REPLACE WALL FANS WITH LOUVERS

PLAN

SCALE IN FEET

5' 2.5' 0' 5' 10' 15'

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LAFOURCHE PARISH FIRE DISTRICT NO. 3

NORTH GALLIANO FIRE STATION NO. 15 REHABILITATION

ELEVATION VIEWS (REAR)

Project number	39130-1360
Date	AUGUST 2022
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Plot Date	September 7, 2022