

DOCUMENT 009113 – ADDENDUM #1

1.1 PROJECT INFORMATION

- A. Project Name: Historic Lazaretto Exterior and interior Renovations.
- B. Owner: Tinicum Township
- C. Architect: Vitetta.
- D. Architect Project Number: 6294.00.
- E. Date of Addendum: March 23, 2016.**

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.
 - 1. Bid Date: April 7, 2016.
- D. The Building will be open for Contractors on more day. The Contractors are asked to email Stephanie Valentine at valentine@vitetta.com if they plan to visit the building. The last day and time are as follows:**
 - 1. Monday, March 28, 2016 12:30 to 2:30.**
- E. The last day for questions is March 29, 2016 at noon. All questions shall be emailed to Stephanie Valentine at valentine@vitetta.com.**

1.3 ATTACHMENTS

- A. This Addendum includes the responses to the submitted questions. (7 pages)
- B. This Addendum includes the following attached Documents:
 - 1. Specification Section 00 200 Information for Bidders
 - 2. Specification Section 00 500 Additional Information for Bidders.

3. Specification Section 004113 Bid Form
 4. Specification Section 004321 Allowance Form.
 5. Specification Section 004322 Unit Price Form
 6. Specification Section 004324 Reference Form.
 7. Specification Section 011000 Summary
- C. This Addendum includes the following attached Sheets:
1. Section 200 Information for Bidders (6 pages).
 2. Section 500 Additional Information for Bidders (2 pages)
 3. Section 004113 Bid Form- Stipulated Sum (single Prime Contract) (4 pages).
 4. Section 004321 Allowance Form (2 pages).
 5. Section 004322 Unit Prices Form (4 pages).
 6. Section 004324 Reference Form (12 pages)
 7. Section 011000 Summary (8 pages).
 8. Meter Pit Sketch (1 page)

END OF DOCUMENT 009113



ADDENDUM NO. 2

March 24, 2016

Historic Lazaretto Interior & Exterior Renovation

Tinicum Township, Pennsylvania

Vitetta Project No.: 6294.00

Addendum Item No.	Change / Addition / Clarification
1	<p>Revised Front End Specifications:</p> <ul style="list-style-type: none">Section 00200 Information for BiddersSection 00500 Additional Information for BiddersSection 004113 Bid FormSection 004321 Unit Price FormSection 004321 Allowance FormSection 004324 Reference FormSection 011000 Summary
2	<p>Specification 26 3213 Clarification:</p> <p>2.01 MANUFACTURERS</p> <p>A. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE GENERAC POWER SYSTEMS, INC; DIESEL MODEL SD400 GENERATOR SET, RATED 400 KW 120/208V, 3 PHASE, 60 HZ (THE TOTAL PROJECT DESIGN SCOPE CONSISTS OF 1 UNIT WITH A TOTAL KW OF</p> <p>400 KW), OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:</p> <ol style="list-style-type: none">1. KOHLER POWER.2. CUMMINS INC. <p>Add the following:</p> <ol style="list-style-type: none">3. MTU ONSITE ENERGY

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Addendum Item No.	Change / Addition / Clarification
3	<p>Specification 26 3213 Clarification:</p> <p>2.2 H. Contrarian Metal shall be installed on the lower cupola roof with a T316 InvariMatte finish. 48 inch roll, .024 inches thick,</p> <p>Roofinox Pearl 316L shall be an approved equal.</p>
5	<p>Contractor Question:</p> <p>Spec 004321-1.3'C' and 'D'-Allowance Form; A per unit cost for 'C' and 'D' seem to be NA. It incorrect, Please define the unit of measure for these two items</p> <p>Response:</p> <p>Spec section 004321 has been revised and reissued as part of this addendum.</p>
6	<p>Contractor Question:</p> <p>Spec 004322- Unit Prices; please define the unit of measure that is required for all unit prices so that some Bidders aren't bidding items in sf while others are bidding in lineal feet, etc. All bidders should be on the same page here.</p> <p>Response:</p> <p>Spec section 004322 has been revised and reissued as part of this addendum.</p>
7	<p>Contractor Question:</p> <p>The signage does not comply with the ADA because the lettering shown is upper and lower case. ADA compliant signs must be in all caps if there is Braille accompanying the copy.</p> <p>Response:</p> <p>All text shall be changed to upper case.</p>
8	<p>Contractor Question:</p> <p>The restroom signs (Type C) should have the verbiage with the symbols, and the overall height of the signs needs to be 8" because the symbols need to be in their own 6" high area. This would also hold true for the Stair signs (type E). Shouldn't signs 'C' and 'E' look the same?</p> <p>Response:</p> <p>Sign types "C" and "E" shall look similar. All signs shall be changed to be 8"x8" with 2" colored band.</p>

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9

Contractor Question:

At the first floor elevator, is an "In case of fire" sign Type 'D' required?

Response:

No. Egress is at the first floor level.

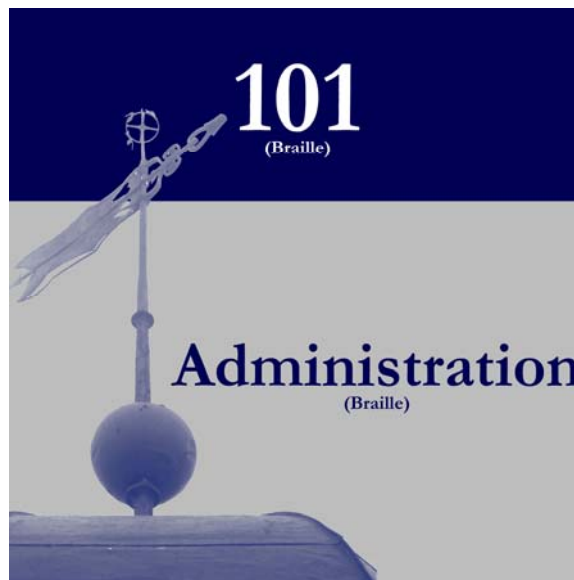
10

Contractor Question:

Can we get more detail on the custom image? Is it in multiple colors or just white?

Response:

Below is a sample of the proposed signage.



11

Contractor Question:

Spec 00700-3 indicates that we must include a building permit. At the Pre-bid, we were told that the permit was waived. Please clarify

Response:

The permit fee shall be waived. The contractor is still responsible for completing all permit applications.

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Addendum Item No.	Change / Addition / Clarification
12	<p>Contractor Question: There is a note on Plumbing dwg. P-101 that says see FP-101 for continuation of the 2" line. There is no continuation of FP-101. Please advise.</p> <p>Response: 2" line on P-101 going into sump is a test / drain line from the fire system.</p>
13	<p>Contractor Question: Is all the trim paint grade? And if there is stain grade, what species of wood would it be?</p> <p>Response: All trim shall be painted. Exterior trim shall be Western Red Cedar per specifications. Interior trim shall be Easter white pine per specifications.</p>
14	<p>Contractor Question: Steel notes on S-002 & S-003 do not mention fireproof columns but the spec's do. What is required?</p> <p>Response: There are new metal columns as shown on the drawings. No fireproofing shall be added.</p>
15	<p>Contractor Question: Fence details on A-511 contradict themselves. Material sizes, paint color, picket and post spacing. Clarify.</p> <p>Response: Section 1/A-511 shows fence materials and sizes accurately. All wood components shall be painted PT-2. All metal components shall be painted PT-8.</p>
16	<p>Contractor Question: Are the repointing qualities shown on the Keynote Schedule on S-101 included in the qualities called out in the Interior Notes on A-101</p> <p>Response: Quantities on S-101 are In addition to sheet A-101.</p>

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Addendum Item No.	Change / Addition / Clarification
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17

Contractor Question:

Section 500 shows completion date 2 of 90 days. Should it be amended to 370 days?

Response:

The completion date shall be 368 working days (514 calendar days) as defined in the specification.

18

Contractor Question:

Can we get a profile of the shutters?

Response:

Below are photos of the two types of existing shutters. They are onsite for restoration and use for replication.



19

Contractor Question:

What does the cast bronze plaques look like? How many?

Response:

Bronze plaque = Sign Type J on sheet I-131. Quantity = 1 per sheet I-131.

20

Contractor Question:

What is overall budget for project?

Response:

There is no published budget for the project.

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Addendum Item No.	Change / Addition / Clarification
21	<p>Contractor Question: What is time of completion?</p> <p>Response: See answer to Contractor Question 17.</p>
22	<p>Contractor Question: Will there be additional dates for sub walk-thrus? This would be advisable.</p> <p>Response: The building will be opened Monday, March 28th from 12:30-2:00. Please email Stephanie if you are planning on attending.</p>
23	<p>Contractor Question: Is it the intent to over excavate at basement to provide 8" between new concrete slab and 1st floor level?</p> <p>Response: Yes, the top of the new basement floor slab will be approximately 8" below the existing dirt floor.</p>
24	<p>Contractor Question: Is there a specification for water/fire service meter pit?</p> <p>Response: See attached sketch "Meter Pit". All work must be in accordance with Aqua specifications.</p>
25	<p>Contractor Question: Any spec for laydown area- crushed stone?</p> <p>Response: 2A modified.</p>
26	<p>Contractor Question: Any spec for grate at basement trench drain?</p> <p>Response: See specification section 055000 paragraph 2.9.</p>

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Addendum Item No.	Change / Addition / Clarification
27	<p>Contractor Question: Areaways show CMU with no concrete footing- is this correct?</p> <p>Response: Correct. Gravel shall be provided under CMU.</p>
28	<p>Contractor Question: Tinicum Ordinance #2006-799 section 2.c.7 requires a class A apprentice program registered with the Dept of Labor- for all contractors/subs- this is a requirement?</p> <p>Response: Yes.</p>
29	<p>Contractor Question: 011000-2&3- The requirement of 3 projects within 5 years with a similar scope of work in a historical building that is on National Register- for General Contractors, General carpentry, masonry, Roofing & gutters, Decorative metal, plaster, windows and doors, mechanical, electrical, and plumbing, fire protection, and fire detection and security. If this requirement is not amended or waived, there will be almost no GC's and subs that can bid project. We can have restoration specialists do the windows, doors, and weathervane.</p> <p>Response: The qualification requirements have been revised. Refer to the Specifications Section 011000 Summary and Section 004324 Reference Form.</p>
30	<p>Contractor Question: For the Telecommunications where will the TR rooms be. I did not see it on any of the prints.</p> <p>Response: Basement room 012.</p>

E N D A D D E N D U M N O . 2

**SECTION 00 200
INFORMATION FOR BIDDERS**

1. FORM AND SUBMISSION OF PROPOSALS

Tinicum Township, hereinafter called owner, invites proposals in the annexed form. Proposals must reach the Tinicum Township Municipal Building at 629 North Governor Printz Blvd. Essington Pennsylvania 19029 at the given time in Section 100 Invitation for Bids at which time they will be publicly opened and read aloud. Each bid must be contained in a sealed envelope, addressed to Tinicum Township and conspicuously endorsed ***“Historic Lazaretto Interior and Exterior Renovations”***

2. PAPERS ACCOMPANYING PROPOSALS

Each proposal must be accompanied by the following papers, which, unless otherwise indicated, should be enclosed with the Proposal.

- (a) If the bidder is a corporation, a statement of the names and residences of its officers and directors, a certified copy of its certificate of incorporation, and proof of its authority to do business in the Commonwealth of Pennsylvania. If a partnership, a statement of the names and residences of its members, indicating which are general and which are special partners. If an individual, a statement of his residence.
- (b) A certified check or Bid Bond in the amount of ten percent (10%) of the Total Bid, made payable to the order of The Township of Tinicum.
- (c) The Form of Proposal bound herewith, with his/her bid prices inserted in the clause thereof entitled "Schedule of Items and Prices". This form of Proposal shall be signed. Prices for items of work must be extended and totaled; the written numbers shall prevail over the figures in case of discrepancy.
- (d) The Form of Statement of the Bidder's Qualifications bound herewith.
- (e) Letter of Intent to enter into a contract with the Township of Tinicum.
- (f) Non-Collusion Affidavit.

The Forms found in Section 400 and the Contractor Responsibility Certification in Appendix B are not required to be completed or returned with the bid.

3. ACCEPTANCE OF PROPOSAL AND ITS EFFECT

Within Ninety (90) days after the opening of the Proposals, the Owner will accept one of the proposals, or will reject all bids. The Owner will make formal acceptance of the Proposal by

a notice in writing signed by the President of the Board of Commissioners of Tinicum Township, and mailed to or delivered at the Office designated in the Proposal. No other act of the Owner, its officers, agents, or employees shall constitute the acceptance of a Proposal. The acceptance of the Proposal shall effect an agreement between the Owner and the successful bidder, of which time shall be of the essence, for the execution of the Form of Contract and an analysis of his bid prices, and for liquidated damages, all as hereinafter provided. It shall not effect a Contract for the doing of the things provided in the Form of Contract, but the rights and obligations therein provided shall become effective and binding upon the parties only with its formal execution. Neither the acceptance of his Proposal nor the formal execution of the Form of Contract shall constitute an approval of the bidder's proposed plant, equipment, method and program of work or sureties.

4. EXECUTION OF FORM OF CONTRACT

Within ten (10) days, Sundays and Holidays excepted, after the acceptance of his Proposal, the Owner shall present or mail to the successful bidder in quadruplicate, the Form of Contract bound herewith, with the blanks filled out in accordance with his Proposal. Within ten (10) days, Sundays and Holidays excepted thereafter, the successful bidder shall deliver all copies to the President of the Board of Commissioners for Tinicum Township duly executed by him as Contractor. Upon their receipt and upon receipt of satisfactory security for the bidder's faithful performance, as hereinafter provided, the Owner shall execute all copies and shall return one to the successful bidder.

5. SECURITY FOR FAITHFUL PERFORMANCE

When he returns the copies of the Form of Contract, the successful bidder shall also deliver to the Owner, security for his faithful performance in an amount not less than the estimated total contract price contained in the Form of Contract annexed to his Proposal.

The Contractor shall furnish bonds as such security; they shall be in the form bound herewith entitled "Contractor's Performance Bond and Labor and Materialmen's Bond", and shall be duly executed by the successful bidder as principal, and by the signers of the Agreement of Proposed Surety as sureties. If, however the Owner has theretofore given notice to him that Owner is dissatisfied with any surety proposed, he shall, within three (3) days thereafter, deliver to the Owner in lieu thereof, other bonds in the same form and penal sum, similarly executed, except that the sureties thereon shall be such as are satisfactory to the Owner.

6. LIQUIDATED DAMAGES

In as much as the damages to the Owner from a breach by the successful bidder of the Agreement created by the acceptance of his Proposal will include among others, those resulting from interference with its predetermined progress for the construction of public improvements, such as interest upon funds raised for the construction thereof, engineering,

and other items whose accurate amount will be difficult or impossible to compute, such damages shall be liquidated in the sum of the following amounts:

(a) The excess, if any, of the total contract price shown in the Form of Contract annexed to the Proposal finally accepted, over that in the one annexed of the Proposal of the original successful bidder.

(b) The expense of such new advertisement of the Contract, if any, as may be deemed by the Owner.

(c) The sum of Two Hundred Dollars (\$200.00) for each and every day, including Sundays and Holidays, that the Owner shall be delayed in entering into the Contract for the performance of the work by reason of such failure of the original successful bidder or once the contract has been entered into for the execution of required work beyond the allotted time contained in the form of proposal.

In the recovery of the damages above specified, the Owner may proceed against the sum represented by the certified check deposited with it, or upon the Agreement of the Proposed Surety, or take such other action as it may be advised.

7. RETURN OF CERTIFIED CHECKS

Within ten (10) days after the opening of the Proposals, the Owner will return all certified checks deposited by bidders, except those deposited by the three (3) lowest bidders to be selected by the Owner which will be returned within seven (7) days after successful bidder selection. The return of a Bidder's check shall not, however, be deemed to be a rejection of his proposal.

8. RIGHT TO ACCEPT AND REJECT PROPOSALS

The Owner reserves the unqualified right, at its sole and absolute discretion, to reject any or all Proposals **or parts thereof** and to waive any informalities therein. The award if any, will be made for each contract to the lowest responsible bidder on the basis of the total of the sum of all items making up that particular contract, but the Owner reserves the right to omit any item or items from the contract after the award and prior to the execution of the Contract. In the event that a successful bidder defaults upon the agreement created by the acceptance of his Proposal, the Owner reserves the option to accept the Proposal of the next lowest bidder within eighteen (18) days from such default, in which case, such acceptance shall have the same effect as to such bidder as though he were the originally successful bidder.

Each bidder must inform himself fully of the conditions relating to construction and labor under which the work is now or will be performed. In so far as possible, the Contractor, in the carrying out of his work, must employ such methods or means as will not cause any

interruption of or interference with the work of any other Contractor.

Bids will be compared on the basis of the prices bid for the Items in the Schedule of Items and Prices. No bid will be accepted which does not contain a price for each item.

Proposals which contain any unbalanced bid items, or which are conditioned or obscure, or which contain additions not called for, erasures, omissions, qualifying letters, alterations or irregularities of any kind may be rejected as informal.

9. QUALIFICATION OF BIDDERS (this paragraph has been deleted and the following information added)

Refer to Section 011000 Summary and Section 004324 Reference Form

10. MATERIALS

The Bidders must use the materials specified for the work and approvals must be secured for any deviations therefrom before submitting proposals. The bidders must also list the names and addresses of principal subcontractors they intend to use in the work. Before the award of a Contract, the successful bidder shall furnish a statement giving the name, location and sources of supply of the various materials that will be used in the work.

11. EXAMINATION OF SITE

Each bidder shall, and is hereby directed to inspect the entire site of the proposed work and judge for himself/herself as to all the circumstances affecting the cost and progress of the work and shall assume all patent and latent risks in connection therewith.

12. CONDITIONS OF WORK

Each bidder must inform himself/herself fully to the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his/her obligation to furnish all material and labor necessary to carry out the provisions of his/her contract. Insofar as possible, the contractor in carrying out the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.

13. OBLIGATION OF BIDDER

At the time of the opening of bids each bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the plans and contract documents (including all addenda). The failure or omission of any bidder to examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect of his/her bid.

The Bidder understands that due to the scale of the drawings and the nature of the proposed work it is not possible to show all fittings, offsets, valves, connections and other appurtenances that may be required. The Bidders shall carefully investigate all conditions and details that may affect the work and include all fittings, offsets, valves, connections, specialties, other materials and other appurtenances. The cost of all fittings, offsets, valves, connections, specialties, other materials and other appurtenances shall be considered incidental and as such included in part of the overall bid price. All Construction shall be in accordance with all Local and State Codes that may be Applicable, Where conflicts occur between the specifications and the codes, the codes shall prevail. All such conflicts shall be taken into account in the preparation of the bid. It is the responsibility of each bidder to notify the Engineer of such conflicts.

14. ADDENDA AND INTERPRETATIONS (this paragraph has been deleted and the following information added)

Refer to Section 09113 for Addenda Information

15. INSURANCE

The policy(s) of insurance shall be effective on the first day of work under the contract and shall remain in effect for the duration of the term of the contract or until Tincum Township's final acceptance of work performed, whichever shall last occur. If the Contractor's liability coverage is on a "claims made" basis, the Contractor will be required to provide Tincum Township with such additional security as Tincum Township, in its discretion, deems satisfactory, to protect Tincum Township from claims arising after the cessation of work under the contract. Such security may include but is not limited to a bond with surety for a specified period of time. The Contractor will be required to maintain insurance in the minimum amounts outlined in Section 600 – General Conditions, Insurance.

Prior to commencement of work under the contract, the Contractor shall provide Tincum Township with a Certificate or Certificates of Insurance confirming the existence of coverage as stated above. Copies of Certificates will not be acceptable. The Certificate shall name Tincum Township as an additional insured and shall list under "Special Items" each of the coverage included under Commercial General Liability. The Certificate shall list both the effective date and termination date of each of the coverage certified and shall provide for thirty (30) days notice of cancellation to Tincum Township. The Certificate shall also confirm that contractual liability coverage extends to the contract in question. Contractor's insurance agent(s) should be instructed not to leave blank spaces when issuing a Certificate of Insurance to Tincum Township. All blanks should be filled in showing either "zero" or "not applicable" (N/A). The insurance coverage herein above described shall be provided by financially responsible insurance companies with a Best's rating of "A" or better and shall be authorized and licensed to issue such policies of insurance in the Commonwealth of Pennsylvania. Tincum Township reserves the right to reject a Contractor's insurance coverage if, in Tincum Township's sole

opinion, the insurance company does not meet these criteria.

END OF SECTION

SECTION 00500 ADDITIONAL INFORMATION FOR BIDDER

The Bidder understands that the quantities of work as shown herein are estimated and are subject to increase or decrease and further understands that all quantities of work, whether increased or decreased, are to be performed at the unit prices as shown in this Form of Proposal.

All disturbed lawn areas shall be sodded with Kentucky Blue Grass or approved equal. The cost of sodding shall be considered incidental and as such included in part of the overall bid price.

The Bidder agrees within five (5) days after notice in writing of the acceptance by the Township of the Proposal, either in whole or in part, to enter into a Contract in writing for so much of said work as may be awarded to him, in such form as may be approved by the Solicitor of the Township and to execute a bond equal to one hundred percent (100%) of the Contract Price with such surety or sureties as shall be approved by the Township, conditioned for the faithful performance of said Contract, for the completion of work therein mentioned in accordance with the Specifications and to the satisfaction of the Township along with a payment Bond equal to one hundred percent (100%) to guarantee the payment of all moneys due for labor and materials furnished in the construction of said work and for indemnifying the Township against all loss, damage, costs, charges including Counsel Fees) sustained or incurred by said Township for or by reason of any act, neglect or default on the part of the said bidder.

The time of Contract completion shall be **368 work days, defined as Monday thru Friday excluding Federal Holidays (514 calendar days)** from the date of issuance of a notice to proceed. This time of completion unless extended by written permission from the Township will be utilized in the event of liquidated damages.

(In the event) The Bidder is uncomfortable with the time of completion of the Contract as specified herein and as such the Bidder hereby agrees to complete the project within _____ Calendar days from the notice to proceed. If the contract is awarded to the successful bidder then this time of completion as specified by the Bidder will be used for project completion and liquidated damages.

The Bidder understands that the due to the scale of the drawings and the nature of the proposed work it is not possible to show all fittings, offsets, valves, connections and other appurtenances that maybe required. The Bidders shall carefully investigate all conditions and details that may affect the work and include all fittings, offsets, valves, connections, specialties, other materials and other appurtenances. The cost of all fittings, offsets, valves, connections, specialties, other materials and other appurtenances shall be considered incidental and as such included in part of the overall bid price. All Construction shall be in accordance with all Local and State Codes that may be Applicable, Where conflicts occur between the specifications and the codes, the codes shall prevail. All such conflicts shall be taken into account in the preparation of the bid. It is the responsibility of each bidder to notify the Engineer of such conflicts. **All excavation shall be considered unclassified**

SECTION 00500 ADDITIONAL INFORMATION FOR BIDDER

The Bidder understands that it is the responsibility of each bidder to investigate the site and to incorporate in their bid any and all items that they feel necessary not specifically addressed herein that may affect its cost.

The Bidder understands that this project is subject to Commonwealth of Pennsylvania prevailing wage requirements including latest revisions and as such the Bidder has taken this into account in preparing this bid.

The Bidder understands that it is the responsibility of each bidder to review and comply as necessary with the requirements of Tinicum Township Ordinance 2006-799 adopting provisions for the Certification of Responsible Contractors for Public Works Projects within Tinicum Township. A copy of the Ordinance is included in the Bid Package.

DOCUMENT 004324 - REFERENCES

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Renovations to the Historic Lazaretto.
- C. Project Location: 97 Wanamaker Avenue.
- D. Owner: Tinicum Township.
- E. Architect: Vitetta.
- F. Architect Project Number: 6294.00.

1.2 Tinicum Township reserves the right to judge equivalent work experience. The General Contractor shall submit the required references for themselves and the listed sub-contractors.

1.3 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.

1 GENERAL CONTRACTOR

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

2 GENERAL CONTRACTOR

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

3 GENERAL CONTRACTOR

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

4 MASONRY RESTORATION

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

5 Roofing and Gutters

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

6 Decorative Metal

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

7 Plaster

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

8 Windows and Doors

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

9 Mechanical

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

10 Electrical

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

11 Fire Protection

Name of Project

Address

Listed on the National Register of Historic Places

Brief Description of the Scope of Work:

Project Cost

Change Orders

Project Duration and Completion date

Reference Name/Title

Address

Phone Number

Photographs (Optional)

END OF DOCUMENT 004324

DOCUMENT 004322 - UNIT PRICES FORM

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Renovations to the Historic Lazaretto.
- C. Project Location: 97 Wanamaker Avenue.
- D. Owner: Tinicum Township.
- E. Architect: Vitetta.
- F. Architect Project Number: 6294.00.

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder proposes the amounts below be used to add or deduct from the Contract Sum on performance and measurement of the individual items of Work and for adjustment of the quantity given in the Unit-Price Allowance for the actual measurement of individual items of the Work].
- C. If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

1.3 UNIT PRICES (add or deduct amount)

- A. Unit-Price No. 1: Removal and replacement of two different custom bricks; matching the existing brick shapes
 - 1. _____ Dollars (\$ _____) **per brick unit.**
- B. Unit-Price No. 2 Removal and replacement of additional plaster ceilings at locations and quantities that are in addition to the work shown on the contract documents
 - 1. _____ Dollars (\$ _____) **per 3 square feet.**
- C. Unit-Price No. 3: Removal and replacement of additional plaster crown molding at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$ _____) per
3 lineal feet.

D. Unit-Price No. 4: Removal and replacement of additional plaster walls at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$ _____) per
3 square feet.

E. Unit-Price No. 5: Removal and replacement of wide plank wood flooring to match existing at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$ _____) per
lineal foot.

F. **Unit-Price No. 6A, 6B, 6C, 6D, 6E, 6F: Repair of window sash and frame a unit price shall be provided for each of the components not limited to sash weights, sash rope, window stop ,wood dutchman, crack repair, at locations and quantities that are in addition to the work shown on the contract documents.**

1. _____ Dollars (\$ _____) per
unit (Sash weight -6A).

2. _____ Dollars (\$ _____) per
unit (Sash rope-6B).

3. _____ Dollars (\$ _____) per
Lineal foot of window stop-6C) .

4. _____ Dollars (\$ _____) per
lineal foot of dutchman (1 foot by width and depth of window sash-6D).

5. _____ Dollars (\$ _____) per
lineal foot of dutchman (1 foot by width and depth of window frame-6E).

6. _____ Dollars (\$ _____) per
lineal foot of crack repair -6F.

G. Unit-Price No. 7: Repair of wood doors and frames not limited to wood dutchman and crack repair, at locations and quantities that are in addition to the work shown on the contract documents

1. _____ Dollars (\$ _____) per
lineal foot.

H. Unit-Price No. 8: Replacement of wood trim; baseboard, wainscot, and chairrail at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$ _____) per
lineal foot.

I. Unit-Price No. 9: Repair or reinforcement of existing wood floor or roof joist. Work shall include the following; sistering or reinforcement of a joist, repair of connection points,

replacement of hangers. All work is at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$) _____) per
two lineal foot.

J. Unit-Price No. 10: Remove and replace broken clear glass. All work is at locations and quantities that are in addition to the work shown on the contract documents

1. _____ Dollars (\$) _____) per
glass unit.

K. Unit-Price No. 11A, 11B, 11C: Repair of wood shutters not limited to wood dutchman and crack repair, and shutter hardware; pintels and dogs. The work is in addition to the locations and quantities shown on the contract documents.

1. _____ Dollars (\$) _____) per
shutter unit.

2. _____ Dollars (\$) _____) per
shutter unit (pintel hardware).

3. _____ Dollars (\$) _____) per
unit (shutter dog hardware).

L. Unit-Price No. 12: Repair of wood components; window frames, sills, rafter tails, joist ends by consolidating the wood.

1. _____ Dollars (\$) _____) per
unit (1 foot by 3 inches x 1 inch).

M. **Unit-Price No. 13 A and 13B: Replacement of wood porch column and/or column capitals. Work shall include the following; Full replacement of wood column capital or column shaft. All work is at locations and quantities that are in addition to the work shown on the contract documents.**

1. _____ Dollars (\$) _____) per
column unit (13A).

2. _____ Dollars (\$) _____) per
capital unit.(13B)

N. Unit-Price No. 14: Removal of unclassified excavation and replacement with satisfactory soil material. All work is at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$) _____) per
cubic foot.

O. Unit-Price No. 15: Removal and replacement of wood roof deck. All work is at locations and quantities that are in addition to the work shown on the contract documents.

1. _____ Dollars (\$ _____) per
3 square feet of deck.

1.4 SUBMISSION OF BID SUPPLEMENT

Respectfully submitted this ____ day of _____, 2010.

Submitted By: _____
(Insert name of bidding firm or corporation)

Authorized
Signature: _____
(Handwritten signature)

Signed By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice President)

END OF DOCUMENT 004322

DOCUMENT 004321 - ALLOWANCE FORM

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Renovations to the Historic Lazaretto.
- C. Project Location: 97 Wanamaker Avenue.
- D. Owner: Tinicum Township.
- E. Architect: Vitetta.
- F. Architect Project Number: 6294.00.

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder certifies that Base Bid submission to which this Bid Supplement is attached includes those allowances described in the Contract Documents and scheduled in Section 012100 "Allowances."

1.3 SUBMISSION OF BID SUPPLEMENT

- A. Unit-Price No. 1: Quantity Allowance: Include 500 SF of tongue & groove deck replacement
 - 1. _____ Dollars (\$ _____) per five square feet unit.
- B. Unit-Price No. 2: Repair or reinforcement of 70 of the existing wood floor or roof joist..
 - 1. _____ Dollars (\$ _____) per unit.
- C. **Unit-Price No. 3: Include a line item of \$50,000 for unforeseen conditions that may be exposed by the Contractor during construction**
 - 1. **Fifty Thousand** Dollars (**\$50,000**).
- D. **Unit-Price No. 4: Include a line item of \$25,000 for archaeological monitoring when sitework is scheduled and being completed**
 - 1. **Twenty – five Thousand** Dollars (**\$25,000**).

E. Respectfully submitted this ____ day of _____, 2010.

Submitted By: _____
(Insert name of bidding firm or corporation)

Authorized
Signature: _____
(Handwritten signature)

Signed By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice President)

END OF DOCUMENT 004321

DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Renovations to the Historic Lazaretto.
- C. Project Location: 97 Wanamaker Avenue.
- D. Owner: Tinicum Township.
- E. Architect: Vitetta.
- F. Architect Project Number: 6294.00.

1.2 CERTIFICATIONS AND BASE BID

A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Vitetta and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

- 1. General Construction
_____ Dollars (\$_____).
- 2. Mechanical
_____ Dollars (\$_____).
- 3. Electrical
_____ Dollars (\$_____).
- 4. Plumbing
_____ Dollars (\$_____).
- 5. Fire Detection
_____ Dollars (\$_____).
- 6. Fire Protection
_____ Dollars (\$_____).
- 7. Total Bid Amount
_____ Dollars (\$_____).

- B. The above amount may be modified by amounts indicated by the Bidder on the attached Document 004322 "Unit Prices Form" and Document 004323 "Alternates Form."

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 90 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting **ten percent (10%)** of the Base Bid amount above:

1. _____ Dollars
(\$_____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 SUBCONTRACTORS AND SUPPLIERS

- A. The following companies shall execute subcontracts for the portions of the Work indicated:

- 1. **Masonry Restoration Work:**
_____.
- 2. **Roofing/Gutters Work:**
_____.
- 3. **Decorative Metal:**
_____.
- 4. **Plaster Work:**
_____.
- 5. **Windows and Doors:**
_____.
- 6. **HVAC Work:**
_____.
- 7. **Electrical Work:**
_____.
- 8. **Fire Protection Restoration:**
_____.

1.5 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by

the Owner, and shall fully complete the Work within 368 work days (**514 calendar days**), defined as Monday thru Friday excluding federal holidays.

1.6 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
1. Addendum No. 1, dated _____.
 2. Addendum No. 2, dated _____.
 3. Addendum No. 3, dated _____.
 4. Addendum No. 4, dated _____.

1.7 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.
1. Bid Form Supplement - Alternates.
 2. Bid Form Supplement - Unit Prices.
 3. Bid Form Supplement - Allowances.
 4. Bid Form Supplement – References.
 5. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.8 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Tincum Township, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

Respectfully submitted this ____ day of _____, 2010.

Submitted By: _____
(Name of bidding firm or corporation)

Authorized
Signature: _____
(Handwritten signature)

Signed By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice President)

Witness By: _____
(Handwritten signature)

Attest: _____
(Handwritten signature)

By: _____
(Type or print name)

Title: _____
(Corporate Secretary or Assistant Secretary)

Street Address: _____

City, State, Zip _____

Phone: _____

License No.: _____

Federal ID No.: _____

Email Address: _____

(Affix Corporate Seal Here)

END OF DOCUMENT 004113

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Project information.
- 2. Work covered by Contract Documents.
- 3. Work under separate contracts.
- 4. Access to site.
- 5. Work restrictions.
- 6. Specification and drawing conventions.
- 7. Miscellaneous provisions.

- B. Related Requirements:

- 1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

- A. Project Identification: Historic Lazaretto, Vitetta project number 6294.00.

- 1. Project Location: 97 Wanamaker Avenue, Essington, PA 19029.

- B. Owner: Tinicum Township, 629 North Governor Printz Boulevard, Essington PA 19029

- 1. Owner's Representative: Township Manager, Tinicum Township or his designee.

- C. Architect: Vitetta, Architects and Engineers, Baldwin Tower, 1510 Chester Pike, Suite 104, Eddystone, PA, 19022.

- 1. Vitetta's Representative: Nan R Gutterman, FAIA, FAPT.

- D. Architect's Consultants: The Architect has retained the following design professionals who have prepared designated portions of the Contract Documents:

- 1. Structural: MacIntosh Engineering, Robert MacIntosh, PE.

2. Mechanical, Electrical, Plumbing, Fire Protection and Security, DEDC Engineers, Scott Frenck. PE.
3. Civil Engineer: Herbert E MacCombie, Jr. PE, Consulting Engineers & Surveyors Inc, James W. MacCombie, PE, PLS, Tinicum Township Engineer.

1.4 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents:

1. The Historic Lazaretto was built between 1799 -1801 is the oldest extant quarantine- related structure in the United States. The building is listed on the National Register of Historic Places.
2. The building is being renovated per IBC 2009, Chapter 34. The Building use is Business, the Construction type is IIIB. For additional Code information, refer to G-101 of the contract documents.
3. The scope of the project is to renovate the building to serve as offices for Tinicum Township.
4. The work includes but is not limited to the following: Selective Demolition, Cast in Place Concrete, Masonry Restoration; Cleaning and repairs, Masonry Reinforcement, Dismantling and reconstruction of the porch, Installation of a new roofing system, Restoration of the cupola and weather vane, Installation of new structural systems, Restoration/repair of wood doors, Restoration/refinishing of wood floor systems and installation of new wood flooring, Installation of new plaster and plaster repairs, Painting, Installation of a new elevator, new toilet rooms, Signage, Removal of existing building systems and Installation of new building services and systems; Mechanical, Plumbing , Electrical, Fire protection and Fire detection, Installation of a new security systems, Installation of a new emergency generator, and Sitework.
5. All Contractors and sub-contractors must be registered with Tinicum Township prior to starting any work on site.
6. All Contractors and sub-contractors identified below shall have experience working on buildings listed on the National Register of Historic Places.

B. Type of Contract:

1. Project will be constructed under a single prime contract following the requirements of Tinicum Township. The contractor and the following identified trades shall have experience working on historic buildings. **In addition to the above requirements, the general contractor shall have successfully completed a minimum of 3 projects in the last 10 years with a similar scope of work in a historic building that is listed or eligible for listing on the national register. The general contractor shall provide a list of the 3 projects including the name of the project, scope of work, cost of the project including change orders, schedule information, reference**

information including the contact information on their bid form. The listed sub-contractors shall have completed at least 1 project in the last 5 years on a building that is listed or eligible for listing on the national register. The name of the project including the scope of work, overall cost of the project and their trade cost including change orders, schedule information, reference information shall also be identified on the bid form. The following sub-contractors in addition to the General Contractor shall have the referenced experience include the following:

- a. **Masonry Restoration, Roofing and gutters, Decorative Metal, Plaster, Windows and Doors.**
- b. **Mechanical, Electrical, and Fire Protection.**

1.5 ACCESS TO SITE

- A. General: Contractor shall have full use of Project site for construction operations during the construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.
- B. Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated. Do not park, store material in areas not included within project site limits.
 1. Limits: Confine construction operations to the area shown on the contract documents.
 2. Limits: Limit site disturbance, including earthwork and clearing of vegetation, to **20 feet (6.1 m)** beyond building perimeter; **10 feet (3 m)** beyond surface walkways, patios, surface parking, and utilities less than **12 inches (300 mm)** in diameter; **5 feet (1.5 m)** beyond primary roadway curbs and main utility branch trenches; and **5 feet (1.56 m)** beyond constructed areas with permeable surfaces (such as pervious paving areas, stormwater detention facilities, that require additional staging areas in order to limit compaction in the constructed area.
 3. Driveways, Walkways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
 - a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
 - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- C. Condition of Existing Building: Maintain portions of existing building affected by construction operations in a weathertight condition throughout construction period. Repair damage caused by construction operations.
- D. The Contractor shall maintain a minimum 25 foot wide access drive to the existing marina for use at all times by the Owner, Police, EMS and Fire and Rescue for the duration of the project, The drive shall be compacted stone, free from ruts and mud, suitable for all emergency vehicles.

1.6 COORDINATION WITH OCCUPANTS

- A. Owner will not be occupying the building during construction. The Owner has a fire station and marina adjacent to the Lazaretto, and access to/from the fire station and marina cannot be blocked at any time.

1.7 OTHER WORK

- A. The Owner will have other contractors working in the building which this contractor shall coordinate their work with. These contractors are as follows:
 - a. Contractor installing furniture purchased under another contract. The Contractor and appropriate sub-contractors will need to coordinate certain work with the installation of the furniture.
 - b. Communication and data contractors.

1.8 PROJECT COORDINATOR

- A. Project Coordinator: General Contractor shall employ a full-time Project Manager/Coordinator experienced in administration and supervision of building construction in a historic structure listed on the National Register of Historic Places, including the general construction trades as well as mechanical, plumbing, electrical fire detection and fire protection work.
- B. Coordination activities of Project coordinator include, but are not limited to, the following:
 - 1. Provide overall coordination of the Work.
 - 2. Coordinate shared access to workspaces.
 - 3. Coordinate product selections for compatibility.
 - 4. Provide overall coordination of temporary facilities and controls.
 - 5. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
 - 6. Coordinate construction and operations of the Work with work performed by each Contract.
 - 7. Prepare coordination drawings in collaboration with each contractor to coordinate work by more than one contract.
 - 8. Coordinate sequencing and scheduling of the Work. Include the following:
 - a. Initial Coordination Meeting: At earliest possible date, arrange and conduct a meeting with contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
 - b. Prepare a combined contractors' construction schedule for entire Project. Base schedule on preliminary construction schedule. Secure time commitments for performing critical construction activities from contractors. Show activities of each contract on a separate sheet. Prepare a simplified summary sheet indicating combined construction activities of contracts.

- 1) Submit schedules for approval.
 - 2) Distribute copies of approved schedules to contractors.
9. Provide photographic documentation including pre-construction video(DVD) and post construction Video(DVD) .
 10. Provide quality-assurance and quality-control services specified in Section 014500 "Contractor's Quality Control."
 11. Coordinate sequence of activities to accommodate tests and inspections, and coordinate schedule of tests and inspections.
 12. Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.
 13. Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on Project site.
 14. Provide field surveys of in-progress construction and site work.
 15. Provide progress cleaning of common areas and coordinate progress cleaning of areas or pieces of equipment where more than one contractor has worked.
 16. Coordinate cutting and patching.
 17. Coordinate protection of the Work.
 18. Coordinate firestopping.
 19. Coordinate completion of interrelated punch list items.
 20. Coordinate preparation of Project record documents if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
 21. Print and submit record documents if installations by more than one contractor are indicated on the same contract drawing or shop drawing.
 22. Collect record Specification Sections from contractors, collate Sections into numeric order, and submit complete set.
 23. Coordinate preparation of operation and maintenance manuals if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
- C. Responsibilities of Project coordinator for temporary facilities and controls include, but are not limited to, the following:
1. Provide common-use field office for use by all personnel engaged in construction activities.
- D. Project Coordinator's Special Responsibilities:
1. Unique Role of Responsibility - Staffing. The Project Coordinator has the responsibility for being the supervisor, manager, overseer, coordinator and expeditor of all of the sub-contractors and of the total construction process and all of its parts, in accordance with the Contract Documents. In executing the duties assumed by these responsibilities, the Project Coordinator shall provide sufficient executive and supervisory staff in the field to accomplish efficient and expeditious handling of these matters.
 2. Owner's Reliance Upon Project Coordinator:
 - a. The Owner relies upon the organization, management, skill, cooperation and efficiency of the Project Coordinator to supervise, direct, control and manage the General Construction Work and the efforts of the sub-contractors, as well as other work done by Owner so as to deliver the

completed project in conformance with the Contract Documents and within the scheduled time.

3. The Project Coordinator shall review and coordinate submittals of all sub-contractors prior to submission to the Architect. The Architect's review of all submittals shall be contingent upon the General Contractor's review, coordination, and distribution of same to all affected trades. Refer to Section 01 3300 - Submittal Procedures.
 4. All sub-contractors shall participate in the coordination of their affected work by reviewing and signing their approval of coordination drawings prepared by the primary trade as specified. Each sub-contractor shall mark the locations of their work on the initial prints distributed for inclusion on the final coordination drawings. Refer to specific requirements contained in Section 01 3110 - Project Management and Coordination.
- E. Mechanical/Electrical Sub-contractors: Employ a mechanical/electrical coordinator experienced in coordination of mechanical/electrical construction including coordination of type of operations required for this Project
- F. Mechanical/Electrical Sub-contractors Coordination activities include, but are not limited to, the following:
1. Schedule and sequence mechanical and electrical activities.
 2. Coordinate sharing access to workspaces by mechanical and electrical contractors.
 3. Coordinate integration of mechanical and electrical work into limited spaces.
 4. Coordinate protection of mechanical and electrical contractors' work.
 5. Coordinate cutting and patching for mechanical and electrical work.
 6. Coordinate preparation of mechanical and electrical coordination drawings.
 7. Coordinate tests and inspections for mechanical and electrical work.
 8. Coordinate mechanical and electrical temporary services and facilities.
- G. Coordination Drawings: Each sub-contractor shall cooperate with other sub-contractors involved to coordinate the development and approval of coordination drawings.
- H. Submittals: Each sub-contractor shall cooperate with other sub-contractors involved to coordinate the review and approval of submittals prior to submission to General Contractor and then the Architect.
- I. Substitutions: Each sub-contractor shall cooperate with other sub-contractors involved to coordinate approved substitutions with remainder of the Work.
1. The General Contractor shall coordinate substitutions.
 2. Substitution requests shall include complete coordination information. Identify changes required in other elements of the work or in the Contract Documents to accommodate the substitution, including work performed by other Contractors. Include one of the following:
 - a. A statement by the sub-contractor proposing the substitution that he will pay for any additional costs to other sub-contractors or the Architect and including a statement by each sub-contractor affected, or the Architect, that identifies changes to the costs, time, arrangement or performance characteristics of his work or the Contract Documents.

- b. Statements by all other sub-contractors and the Architect that the proposed substitution will require no change to the cost, time, arrangement or performance characteristics of their work or changes to the Contract Documents.

1.9 WORK RESTRICTIONS

- A. Work Restrictions, General: Comply with restrictions on construction operations.
 1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work in the existing building to normal business working hours as determined by the Authority having jurisdiction or 7:30 a.m. to 5 p.m., Monday through Friday, whichever is more restrictive unless otherwise indicated/approved.
 1. Weekend Hours: Hours on weekends are as allowed by the Authority having jurisdiction and only with a pre-approval of the Owner.
 2. Early Morning Hours: The Contractor shall not be allowed to work before 7:30 am and shall have approval of the Owner and the Authority having jurisdiction if they are planning to work during off-hours or on weekends.
 3. Hours for Utility Shutdowns: **The Contractor shall not be allowed to cut off utility services to the fire station and/or the marina at any time.** The Contractor shall review and have approval if they need to cut off the existing utilities to the Lazaretto in order to complete the work of this contract. .
 4. Hours for completing noisy activities: 7:30 am to 5 pm and on weekdays only.
- C. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy with Owner.
 1. Notify Architect and Owner not less than five days in advance of proposed disruptive operations.
 2. Obtain Architect's and Owner's written permission before proceeding with disruptive operations.
- D. Nonsmoking Building: Smoking is not permitted within the building or within **25 feet (8 m)** of entrances, operable windows, or outdoor-air intakes. Smoking in the building, on the roof or the site will not be tolerated. A designated smoking area will be established if requested by the Contractor.
- E. Controlled Substances: Use of tobacco products and other controlled substances within the existing building and/or on Project site is not permitted.
- F. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.
- G. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on Project site.
 1. Maintain list of approved screened personnel with Owner's representative.

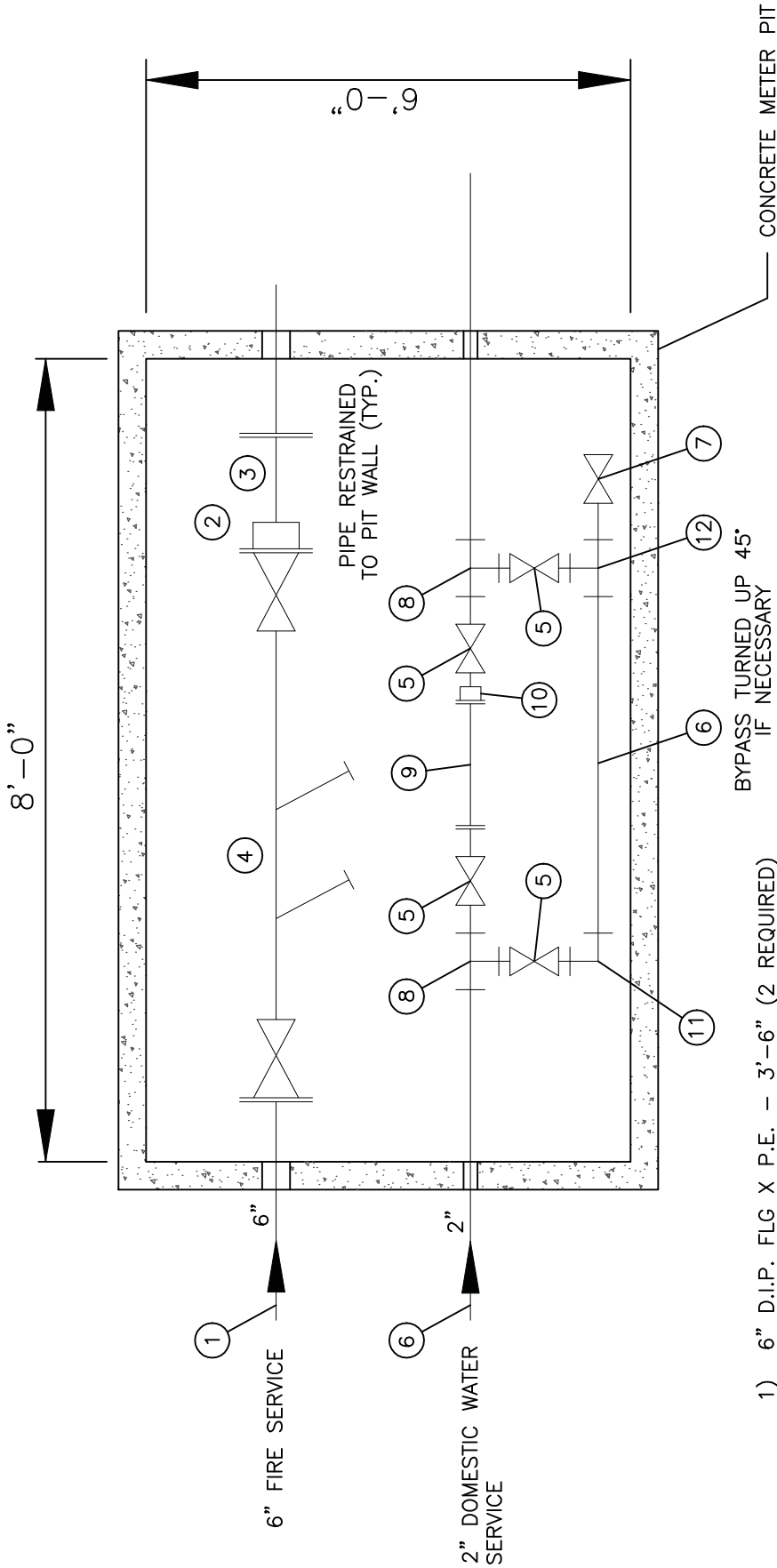
1.10 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 - 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
 - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 - 2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard.
 - 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000



- 1) 6" D.I.P. FLG X P.E. - 3'-6" (2 REQUIRED)
- 2) 6" FLG. COUPLING ADAPTER (1 REQUIRED)
- 3) 6" D.I.P. FLG X P.E. - 1'-2 3/4" (1 REQUIRED)
- 4) 6" DOUBLE CHECK DETECTOR ASSY. LESS METER
- 5) 2" BRONZE BALL VALVE (4 REQUIRED)
- 6) 2" D.I.P.
- 7) 2" BLEEDER VALVE WITH PLUG (1 REQUIRED)
- 8) 2" D.I.P. TEE (2 REQUIRED)
- 9) 2" METER SPOOL FLG X FLG 1'-5' (1 REQ'D)
- 10) 2" FORD LOK-PAK COUPLING (1 REQUIRED)
- 11) 2" D.I.P. 90° ELBOW (1 REQUIRED)
- 12) 2" x 2" x 2" D.I.P. TEE (1 REQUIRED)

METER PIT
ALL PIPE ON PIPE STANDS
 N.T.S.