

00900 ADDENDA

ADDENDUM NO. 1 – November 14, 2016

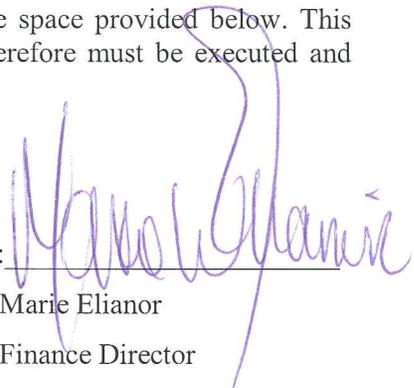
BID NO. IFB 16-130

**CITY OF LAKE WORTH
WATER TREATMENT PLANT UPGRADES AND IMPROVMENTS**

Each recipient of this Addendum No. 1 to the Invitation for Bid (IFB) who responds to the IFB acknowledges all of the provisions set forth in the IFB and agrees to be bound by the terms thereof. This addendum shall modify, clarify, change or add information and clarification and become part of the above referenced IFB.

Bidder must acknowledge receipt of this Addendum No. 1 in the space provided below. This Addendum forms and integral part of the IFB documents and therefore must be executed and submitted with your Proposal.

Issued By: City of Lake Worth
Financial Services
November 14, 2016

Signed By: 
Marie Elianor
Finance Director

PROPOSER/Company

Company Name: _____

Signed By: _____ Print Name: _____

Title: _____

Date: _____

GENERAL

- A. **ATTACHMENT A**, which includes the meeting minutes of the pre-bid conference and the sign-in sheet, are hereby made a part of the Contract Documents.

FRONT ENDS

- A. All bidders shall note that Section 00501 entitled “Opinion of Attorney” is located out of sequence in the electronic PDF file. This Section is located between Pages 3 and 4 of Section 00310 entitled “Bidders Qualification Questionnaire”.
- B. **REPLACE** Section 00300 entitled “Bid Form” with the revised version included in **ATTACHMENT B**. The Schedule of Bid Items in Section 00300 was revised to include “Item No. 22 – Permit Fee Allowance”. The total amount of the permit fee allowance shall be 3% of the total value of Bid Item No’s. 1 through 21.
- C. **REPLACE** Section 00310 entitled “Bidder’s Qualification Questionnaire” with the revised version included in **ATTACHMENT C**. The project experience requirements were revised to eliminate reference to the “Type of Well (details)” and “Total Depth” criterion. All project references shall be for work completed at an active, in service municipal water treatment plant within the last five (5) years.
- D. **REPLACE** SC-7.08 in Section 00800 entitled “Supplementary Conditions” as follows:

“Contractor shall be responsible for obtaining a building department permit, including any required sub-discipline permits, from the City of Lake Worth Building Department. All permit fees required by the building department shall be paid for by the Contractor, with reimbursement provided by the City under Line Item No. 22 of the Bid Form. All permit fees shall be deducted in the exact permit fee amounts stipulated by the City’s Building Department. The Contractor will not be allowed to apply a mark-up to the permit fee amounts due. Any remaining balance for Line Item No. 22 at project completion shall be credited to the Owner.”

TECHNICAL SPECIFICATIONS

- A. Section 01010 entitled “Summary of Work” – **DELETE** the last sentence in Article 1.12C, which states “The Owner shall directly pay all fees associated with the City of Lake Worth Building Permit and Sub-fee’d Building Permits, where applicable” in its entirety.
- B. Section 01010 entitled “Summary of Work” – **DELETE** Article 1.13, “Field Engineering” in its entirety. The selected Contractor will not be required to provide the services of a registered Land Surveyor based on the project scope of work. The Contractor and his in-house staff will be responsible for the equipment layout and coordination as well as for the collection, recordation and certification of all as-built record drawing information.

- C. Section 01020 entitled “Allowances” – **REPLACE** the last sentence in Article 1.02B.2a as follows: “There shall be no markup for fee-type charges. The use of the allowance will not be permitted for reimbursement of permit fees.”
- D. Section 15000 entitled “Piping” – **DELETE** Article 2.03A.1 in its entirety. The hose bibb requirements shall be as stipulated in Section 15100 entitled “Valves”, Article 2.05A.

DRAWINGS

- A. **REPLACE** Volume No. 3 - Sheet No’s S10.0, S10.1 and S10.2 of the project drawings with the revised version included in **ATTACHMENT D**. The drawings were revised to specify the installation of the coiling rollup shutter units on the exterior of the walkway to avoid conflicts with existing electrical equipment, fire alarm cabinets, etc.

CONTRACTOR QUESTIONS/COMMENTS

- A. Questions/Comments:
Can you please provide specifications and drawings? For the Coiling Rollup Shutters and the Aluminum Storm Panels?

Reply:
The Florida Product Approval Number for the proposed Coiling Rollup Shutters is provided on Drawings S10.0 and S10.1 of the Volume No. 3 drawing set.

The specifications for the Aluminum Storm Panels are provided in the note shown on Drawings S11.2, S11.3 and S11.4 of the Volume No. 3 drawing set.
- B. Questions/Comments:
Can you also please indicate the windows openings on the plans and the size of openings?

Reply:
See **ATTACHMENT E** which provides the requested opening dimensions.
- C. Questions/Comments:
Summary of Work, Volume No. 1: last bullet regarding instrumentation, SCADA and controls. Please indicate where this work is outlined on the plans and specifications.

Reply:
The instrumentation, SCADA and control system requirements are clearly indicated on the electrical drawings and technical specifications.
- D. Questions/Comments:
We are assuming with Appendix A, we will require not only for the City of Lake Work permit fees, but also Palm Beach County permit fees. Is this a correct assumption?

Reply:

As discussed during the pre-bid conference, the selected Contractor will be required to secure a building department, including any sub-discipline permits, from the City of Lake Worth Building Department. The selected Contractor will not be required to secure a building permit from Palm Beach County.

E. Questions/Comments:

What is the engineering cost estimate for this project?

Reply:

The engineering cost estimate for the project is \$825,000.

F. Questions/Comments:

The ITB Section 12 states that 1 original and 2 copies of the bid should be submitted, however, the Bid Form states that the proposal shall be submitted in "Duplicate".

Reply:

The number of Bid documents required to be submitted shall be per Section 00100 entitled "Instructions to Bidders", Article 12 which indicates "One (1) original and two (2) copies of all Bid documents shall be submitted." The conflicting statement included in Section 00300 entitled "Bid Form" has been deleted in the revised version of this Section included in **ATTACHMENT B**.

G. Questions/Comments:

Can you please give us the contact information of the Lime Equipment representatives for this project?

Reply:

The contact information for the existing lime slaker units (Merrick Industries, Inc) and the dust collector unit utilized as the basis of design (FLSmidth, Inc.) is provided below.

Charlie Woods
Merrick Industries, Inc. -General Manager
Water Treatment Division
charlie@merrick-inc.com
850-271-7812

Don Schiele
Senior Sales Manager
FLSmidth, Inc.
donald.schiele@flsmidth.com
610-264-6095

Bidders are solely responsible for coordinating with either the manufacturers named in the Bid Documents, or alternate manufacturers which can supply equipment which in the opinion of the Engineer is of an equal quality, to ensure that all costs associated with the supply and install of all proposed equipment, in strict accordance with the Bid Documents, are included within the lump sum bid costs.

H. Questions/Comments:

In several locations the drawings call for Erect-A-Step stairs. Specification 05510, Aluminum Stairs, does not mention Erect-A-Step. Can fabricated aluminum stairs, as detailed in Section 05510, be provided in lieu of Erect-A-Step stairs at these locations?

Reply:

Erect-A-Step was utilized as the basis of design. The use of an alternate manufacturer is acceptable as long as the requirements of Section 05510 entitled "Aluminum Stairs" are strictly adhered to.

I. Questions/Comments:

Drawing Vol II – Sheet S1.1 & 1.2– Under every photo there is note which states "*Cracked or delaminated concrete to be repaired using repair procedure 2*". During the pre-bid meeting WGI stated those were misprints and no concrete repairs were required. Please confirm if any repairs are required.

Reply:

No concrete repairs or restorations are included in this project.

J. Questions/comments:

Drawing Vol III – S4.1 & 4.2 - Under every photo there is note which states "*Cracked or delaminated concrete to be repaired using repair procedure 2*". During the pre-bid meeting WGI stated those were misprints and no concrete repairs were required. Please confirm if any repairs are required

Reply:

No concrete repairs or restorations are included in this project.

K. Questions/Comments:

Drawing Vol III – Sheet S6.1 & 7.1 - Under every photo there is note which states "*Cracked or delaminated concrete to be repaired using repair procedure 2*". During the pre-bid meeting WGI stated those were misprints and no concrete repairs were required. Please confirm if any repairs are required.

Reply:

No concrete repairs or restorations are included in this project.

L. Questions/Comments:

Drawing Vol III Sheet S6.1 – Please provide the name and contact info for the existing FRP grating manufacturer. Additionally, would placing I beam, uncovered grating be acceptable? It would be more readily available given the small quantity required.

Reply:

Open aluminum grating would be acceptable in lieu of FRP. Grating shall be designed to carry a 125 psf live load capacity.

M. Questions/Comments:

Drawing Vol III – Sheet 9.2 (section 3) – Because there isn't any risk of water intrusion, if a top mounted railing system could fit on the existing curb, would it be acceptable to be used in lieu of a side mounted system? Additionally, would utilizing a mechanically fastened system in lieu of a welded system be acceptable.

Reply:

A top mounted railing system would be acceptable provided the anchorage is embedded into the structural slab below the curb. A mechanically fastened system would be acceptable in lieu of a welded system.

N. Questions/Comments:
Drawing S1.0 in Volume 2, Lime Basin Safety Improvements, has two similar notes. One reads "Pipe Plus H2O Shut-Off Valve 2'-3" Open". The other note has the word "Existing" in front of the word "Pipe". Please indicate what work, if any, is to occur at these locations.

Reply:

No work associated with the pipe or valves is required within the lime basin area. The work to be performed includes grating and supplementary handrail work, only.

O. Questions/Comments:
On Drawing M-1, Volume 1, all of the existing Duall equipment, duct, electrical items and supports are shown to be demolished except the bases under the scrubber equipment. Should these bases also be demolished and the roof repaired at these locations?

Reply:

In order to complete the work, as shown on the Drawings, including the installation of the structural mainframe, stairs and access platforms the existing equipment bases beneath the scrubber equipment will need to be demolished. Contractor shall complete all demolition work as required and make the necessary repairs to the existing roofing system.

END OF ADDENDA ITEMS

ATTACHMENT A

PRE-BID MEETING MINUTES

CITY OF LAKE WORTH

WATER TREATMENT PLANT UPGRADES AND IMPROVEMENTS NON-MANDATORY PRE-BID CONFERENCE MINUTES CITY IFB NO. 16-130 October 28, 2016

1. Purpose of the Pre-Bid Conference:

This pre-bid conference has been scheduled to acquaint the prime contractors and others with the bid documents for the Water Treatment Plant Upgrades and Improvements Project. The City of Lake Worth is the Owner. Mathews Consulting (MC) is the Engineer of Record for the project.

The City of Lake Worth and MC will provide construction management and inspection services for the Project and MC will certify the completion of construction.

2. City Procurement Requirements:

City Purchasing will address this topic.

3. Scope of Project:

The project generally includes upgrades to the existing lime system and specific facility safety improvements. The Contract specifications were developed to include all information required for all of the project work. The Contract Drawings are divided into a total of three (3) volumes which are divided into the following work groupings:

Volume No. 1 - Lime System Upgrades and Improvements

- Demolition and replacement of the existing lime bin dust scrubber unit with a dry-type dust collector unit.
- Modification of the existing volumetric lime feeder units (Total of 3) to provide increased lime feed rate turndown capabilities. Increased turndown shall be achieved by replacing the existing drive motor and by integrating a new direct current, variable speed drive at each of the existing feeder units. The proposed improvements shall allow the City to flow pace the addition of lime.
- Demolition and replacement of the existing gravity type coagulant feed unit with a duplex, solenoid driven diaphragm metering pump skid including all interconnecting and conveyance piping.
- Demolition and replacement of the existing lime bin vibratory shaker units.
- Construction of a steel bulkhead wall to completely isolate Lime Storage Bin No's 3 and 4. Upon construction of the bulkhead wall each lime storage bin shall be capable of storing lime at varying levels.

- Specific structural improvements including the modification of the existing lime bin access hatches and installation of permanent aluminum, bin access stairs.
- Specific instrumentation and control (I&C) system upgrades required to facilitate remote monitoring, fault indication and reset/restart of the existing lime slaker units (Total of 3) through the existing plant SCADA system.

Volume No. 2 - Lime Basin Safety Improvements

- The Work includes specific safety improvements within the limits of the lime basin structure at the City of Lake Worth Water Treatment Plant including:
 - Removal, cleaning and reinstallation of walkway grating sections using hold down clips.
 - Surface preparation and recoating of specific structural support members as shown on the Drawings.
 - Demolition and disposal of existing ship ladders as well as the supply and installation of railing system closure components.
 - Upgrade of specific sections of railing systems to three (3) rail type hand/guard rail systems.
 - Installation of self-closing type swing gates at specific locations shown on the Drawings.

Volume No. 3 - Plant Safety Improvements

- The Work includes specific safety improvements within the limits of the City of Lake Worth WTP, excluding the lime basin structure, as generally described below:
 - Installation of self-closing type swing gates at specific locations shown on the Drawings.
 - Installation of an adjustable safety netting system around each of the R.O. process skid units.
 - Replacement of the existing stairways and railings at the access point to the lime dust collector roof.
 - Installation of new trench covers adjacent to the existing degasifier units.
 - Installation of new overpipe access ladders and platforms within the Pipe Gallery-Pump Room.
 - Replacement of the existing hand/guardrail system located on the Mezzanine Level of the Pipe Gallery-Pump Room as well as an existing ship ladder. Work will also include the installation of a new self-closing type swing gate.

- Installation of a new hand/guardrail system around the northeast corner of the clearwell structure.
- Installation of new coiling rollup shutter systems along the second floor pedestrian bridge which connects the R.O. Water Treatment Plant building to the Filter Control/Pipe Gallery building.

4. **Project Schedule:**

Bids will be opened on **Thursday, November 17, 2016 at 3:00 PM** at the City of Lake Worth Financial Services, City Hall, 2nd Floor, 7 North Dixie Highway, Lake Worth, Florida 33460.

The work shall be substantially completed as shown on the Contract Documents within **210** calendar days and fully complete within **240** calendar days of the Notice to Proceed.

The Contractor shall pay the Owner **\$500.00** for each consecutive calendar day that the work is not substantially completed and the sum of **\$500.00** for each consecutive calendar day thereafter that the work is not fully completed.

5. **Permits:**

Permits to be secured by the Contractor:

- City of Lake Worth Building Department Permit
- City of Lake Worth Building Department Sub-discipline Permits

The City's front end documents (SC-7.08) require the Contractor to include in the bid amount a 3 percent (3%) of appropriate items permit fee based on the bid cost. This permit fee amount will be adjusted on the actual fee charged and the difference credited, as applicable.

Permits to be secured by the City of Lake Worth:

- Palm Beach County Health Department (PBCHD) "*Specific Permit to Construct Public Water System Components*". (**Appendix A**)

6. **References:**

Bidder is required to have similar work experience by providing a minimum of (5) satisfactory references for work which involved modifications to critical components within a municipal water treatment plant within the last five (5) years.

References provided shall be for the "Owner" of the project, not the Project Engineer or Contractor. If this information is not provided at time of Bid, the Bid may be considered non-responsive.

7. Examination of Site:

Each bidder is responsible for necessary site investigations to determine all conditions and the facilities needed to execute the Work in accordance with the Contract Documents. Bidder shall visit the site to ascertain pertinent local conditions by inspection and inquiry, such as the location, accessibility, surface and sub-surface conditions and general character of the site, labor conditions and character and extent of existing work within or adjacent thereto, and any other work being performed thereon.

8. Interpretation of Addenda:

When questions raised are deemed appropriate by the Engineer, in its sole discretion, they shall be answered in the form of Addenda. No oral answers to questions will be given. All Addenda so issued shall become a part of the Contract Documents, and receipt must be acknowledged by each responsive bidder.

To receive consideration, such questions shall be submitted in writing to the Engineer not less than five (5) business days before the established date for the opening of Bids. The deadline for submitting questions for this project is **3:00 p.m. on Thursday, November 10, 2016.**

9. Bid Package Requirements:

Refer to Section 00300 entitled "Bid Form" for the bid submission requirements including the specific documentation required to be included in the bid package.

10. Schedule of Bid Items:

The total Base Bid price of the project shall be based on the sum of the Schedule of Bid Items as presented in Section 00300 entitled "Bid Form". All Bid Pricing shall be based on the individual work tasks presented therein and as presented in the Contract Documents.

11. Pre-Construction Conference:

Pre-construction meeting will be held immediately upon execution of the Contract by the City. Contractor shall submit proposed completion schedule at this meeting, schedule of values, and shop drawing schedule.

12. Existing Utilities and Infrastructure:

Contractor is fully responsible for coordination with the utility (City of Lake Worth Utilities Department) and for repairing, at no expense to this Owner, utilities or infrastructure damaged during construction. This includes but may not necessarily be limited to above ground piping, electrical and instrumentation conduits, and mechanical systems, etc.

13. Key Concerns:

- The City of Lake Worth Water Treatment Plant is an active facility which will need to maintain operation and production throughout the completion of the project work. The selected Contractor will be required to coordinate all work with the Owner to mitigate any potential construction impacts.
- The selected Contractor will be required to sequence the work such that at least two (2) lime storage bins are available for use at all time.
- City staff reiterated that all prospective bidders are required to register via DemandStar. Failure to register will be grounds for bid rejection.

14. Contractor's Questions:

All specific questions discussed during the pre-bid conference were submitted for clarification via email by the respective bidders. A summary of the questions and appropriate responses from the Engineer are included within Addendum No. 1

SIGN-IN SHEET

IPB 16-130

CITY OF LAKE WORTH
 WATER TREATMENT PLANT UPGRADES AND IMPROVEMENTS
 NON-MANDATORY PRE-BID MEETING

October 28, 2016

Name	Company	Phone (office)	E-mail
MICKEY BARTLET	G+G INDUSTRIAL SVCS	561-262-2515	MDBART68 @ GMAIL.COM
JASON BUCKWALTER	R.J. SULLIVAN CORP	954-975-0388	Ⓢ bidding @ rjsullivancorp.com
Ralph	Florida Design Contractors		
Cosme	Intercountry Engineering, Inc	954-972-9800 x212	msw@swenyc.com INTERCOUNTRYENGINEERING.COM
Mike			
Jump	TRC DIVERSIFIED	561-442-2025	JMPCO@TRC.COM
Matthew	MATTHEWS CONSULTING	561-655-6175	j.pugsley@mathewscounselinginc.com
JASON PUGSLEY	Lake Worth	561-586-1640	grhoads@lakeworth.org
Giles Rhoads	City Lake Worth	561-586-1798	jparham@lakemwa.org
Julie Parham	Prime Tech Coatings	561-844-2312	pete@primetechcoatings.com
Pete Luther	Energy Efficient Etc.	561-655-7211	rene@energyeff.com
Rene Vign	FL DRILLING	561-844-2966	JEFF@FLDRILLING.COM
JEFF HAST	EDA	561-819-5556	LJE/ESC@EDA.COM
LILLIAN TOYES	kgi	561-639-1721	jeffrey.berman@kgi.com
JEFF BERGMAN	AM Construction Group Inc	561-262-7833	amconstruction@bellsouth.net
ABEL MENDER	CLW	561-586-1651	hdarse@lakeworth.org
HUBERT DARGÉ			

ATTACHMENT B

REVISED SECTION 00300

“BID FORM”

BIDDER: _____

PROJECT: City of Lake Worth WTP Upgrades and Improvements

DATE: _____
(Bid Submitted on)

**00300
BID FORM**

THIS BID IS SUBMITTED TO:

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the day of Bid opening. BIDDER will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within 15 days after the date of OWNER's Notice of Award.

3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

Date	Number
------	--------

(b) BIDDER has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.

(c) BIDDER has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which are identified in the Division 1: General Requirements as provided in paragraph 5.03 of the Supplementary Conditions, and accepts the determination set forth in Division 1: General Conditions of the extent of the technical data contained in such reports and drawings upon which BIDDER is entitled to rely.

(d) BIDDER has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the Work as BIDDER considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 5.03 of the General Conditions, as amended by the Supplementary Conditions; and no additional examinations, investigations, explorations, tests, reports or similar information or data are or will be required by BIDDER for such purposes.

(e) BIDDER has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations,

investigations, explorations, tests, reports or similar information or data in respect of said Underground Facilities are or will be required by BIDDER in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 5.05 of the General Conditions.

- (f) BIDDER has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.
- (g) BIDDER has given ENGINEER written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to BIDDER.
- (h) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

4. BIDDER agrees to perform all the Work described in Contract Documents, subject to adjustments as provided therein, for the Prices BIDDER provides on the Unit Price Schedule (Page 00300- 5 thru 00300-7):

~~5. BIDDER declares it understands that the unit quantities shown on the Bid Form Unit Price Schedule are approximate only and not guaranteed and are subject to either increase or decrease; and that should the quantities of any of the items of Work be increased, the BIDDER agrees to do the additional Work at the unit prices set out herein, and should the quantities be decreased, BIDDER also understands that final payment shall be made on actual quantities completed at the unit prices, and shall make no claims for anticipated profits for any decrease in the quantities. — NOT USED FOR LUMP SUM CONTRACT.~~

6. The BIDDER further declares it understands the OWNER may elect to construct only a portion of the Work covered by these Documents and BIDDER agrees to perform that portion of the Work for which BIDDER is awarded a Contract at the unit prices quoted herein.

7. BIDDER agrees that the Work:

will be substantially complete within 210 calendar days after the date when the Contract Time commences to run as provided in paragraph 4.01 of the General Conditions, and completed and ready for final payment within 240 calendar days after the date when the Contract Time commences to run.

BIDDER accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work on time.

8. The following documents are attached to and made a condition of this Bid:

- (a) Required Bid Security in the form of a Bid Bond.
- (b) Schedule of Bid Items (Page(s) 00300-5 and 00300-7).
- (c) Trench Safety Affidavit (Page(s) 00300-8).
- (d) Schedule of Subcontractors (Page(s) 00300-9).
- (e) Schedule of Suppliers, Equipment and Materials (Page(s) 00300-10)
- (f) Sworn Statements Under Section 287.133(3)(a), Florida Statutes, on Public Entity Crimes (Page(s) 00300-11 and 00300-12).
- (g) (List other documents as pertinent): Certification of Drug Free Workplace Program (Page(s) 00300-13).

9. Communications concerning this Bid shall be telephoned or addressed to:

The phone number and address of BIDDER indicated below.

10. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

11. BIDDER's Florida Contractor's License No. _____.

12. BIDDER covenants that it is qualified to do business in the State of Florida and has attached evidence of BIDDER's qualification to do business in the State of Florida, or if not attached, BIDDER covenants to obtain such evidence within five days of request by OWNER to provide evidence.

13. BIDDER represents that it is financially solvent and sufficiently experienced and competent to provide all goods and services required under this IFB and that all information provided in the Bid is true and correct in all respects.

14. If BIDDER is:

An Individual

By _____ (SEAL)
(Individual's Name)

(Signature)

doing business as _____

Business address: _____

Phone No. : _____

A Partnership

By _____ (SEAL)
(Firm Name)

(General Partner) (Signature)

Business address: _____

Phone No. : _____

A Corporation

By _____ (SEAL)
(Corporation Name)

(State of Incorporation)

By _____
(Name of Person Authorized to Sign)

(Title)

(Signature)

(Corporate Seal)

Attest _____
(Secretary)

(Signature)

Business address: _____

Phone No. : _____

SCHEDULE OF BID ITEMS

All bid items shall include prices for furnishing, to the City, all materials, equipment, supplies, and all costs incurred in providing all work shown on the plans and specifications for **City of Lake Worth WTP Upgrades and Improvements**. Said costs shall be complete and inclusive of all labor, inspection, taxes, bond(s), insurance, miscellaneous costs, record drawings, warranty, overhead and profit.

ITEM NO.	DESCRIPTION	EST. QUANT.	UNIT	UNIT PRICE	AMOUNT
VOLUME NO. 1 – LIME SYSTEM UPGRADES AND IMPROVEMENTS					
1.	Mobilization and demobilization of personnel and equipment to the site including all set ups and site preparation as required to complete all Work associated with Project Plan Volume No's. 1, 2 and 3.	1	L.S.	\$	\$
2.	All costs to demolish the existing lime dust scrubber unit as well as all costs to supply, install, start-up, test and place into service the new dry-type lime dust collector unit. Item shall include all mechanical, structural, electrical and I&C work tasks as shown on the Drawings.	1	L.S.	\$	\$
3.	All costs to modify the existing volumetric lime feeder units (Total of 3) to provide additional feed rate turndown capabilities as indicated on the Drawings. Item shall include all mechanical, structural, electrical and I&C work tasks. The I&C tasks shall include all required modifications to facilitate remote monitoring, fault indication and restart/reset capabilities for the existing lime slaker units via the existing facility SCADA system.	1	L.S.	\$	\$
4.	All costs to demolish the existing gravity type coagulant feed system and interconnecting inlet and discharge piping. This item also includes the supply, install, start-up, testing and placing into service a new duplex, solenoid driven diaphragm feed pump skid as well as the replacement of all interconnection piping. Item shall include all mechanical, structural, electrical and I&C work tasks.	1	L.S.	\$	\$
5.	All costs to demolish the existing lime bin vibratory shaker units and to supply and install, start-up, test and place into service new vibratory units on each lime storage bin as shown on the Drawings. This Item also includes all mechanical, structural, electrical and I&C work tasks.	1	L.S.	\$	\$
6.	All costs to complete the specific structural modifications indicated on the Drawings including construction of a bulkhead wall between Lime Storage Bin No's 3 and 4, modification of the access hatches on three of the four lime storage bins as well as to supply and install new access stairs at each of the bins as shown on the Drawings.	1	L.S.	\$	\$
VOLUME NO. 2 – LIME BASIN SAFETY IMPROVEMENTS					
7.	All costs to remove the existing walkway grating, clean the existing steel members for the angle seat and re-install the grating using hold down clips as shown on the Drawings.	1	L.S.	\$	\$

8.	All costs to clean and properly repair the surface of all steel members prior to the application of the specified coating system as shown on the Drawings.	1	L.S.	\$	\$
9.	All costs to demolish and properly dispose of the existing ship ladders as well as to supply and install the railing closure components as shown on the Drawings.	1	L.S.	\$	\$
10.	All costs to modify the existing railing systems, where indicated on the Drawings, including the removal of the temporary intermediate rail and the supply and install of a new permanent intermediate rail and kick plate.	1	L.S.	\$	\$
11.	All costs to supply and install self-closing type swing gates where indicated on the Drawings.	1	L.S.	\$	\$
12.	All costs to supply and install safety signage at the locations indicated on the Drawings.	1	L.S.	\$	\$

VOLUME NO. 3 – PLANT SAFETY IMPROVEMENTS

13.	All costs to supply and install the anchorage components and fixtures as well as adjustable safety netting around the existing reverse osmosis skid units as shown on the Drawings.	1	L.S.	\$	\$
14.	All costs to demolish and properly dispose of the existing stairway and railing systems located at the access point to the lime dust collector roof. Cost shall also include the supply and install of the proposed access stairways, railings and platform as shown on the Drawings.	1	L.S.	\$	\$
15.	All costs to supply and install new covers over the existing pipe trench located adjacent to the degasifier units as shown on the Drawings. Cost shall also include the surface preparation and re-coating of the existing process piping where specified.	1	L.S.	\$	\$
16.	All costs to supply and install new overpipe access ladders and platforms within the Pipe Gallery – Pump Room as shown on the Drawings.	1	L.S.	\$	\$
17.	All costs to demolish the existing railing system located on the Mezzanine Level within the Pipe Gallery – Pump Room as well as an existing ship ladder. Cost shall also include the supply and install of a new side mounted hand/guardrail system with self-closing type swing gate as shown on the Drawings.	1	L.S.	\$	\$
18.	All costs to supply and install a new handrail system around the northeast corner of the clearwell structure as shown on the Drawings.	1	L.S.	\$	\$

19.	All costs associated with the supply and installation of the proposed coiling rollup shutter systems within the limits of the second floor pedestrian bridge which connects the R.O Water Treatment Plant Building and the Filter Control/Pipe Gallery Building as shown on the Drawings.	1	L.S.	\$	\$
20.	All costs associated with the supply and installation of the aluminum structural components and storm panels for the proposed louver protection walls as shown on the Drawings.	1	L.S.	\$	\$
21.	Miscellaneous Allowance Items	1	AL	\$ 20,000.00	\$ 20,000.00
22.	Permit Fee Allowance (3% of Item No's 1 through 21)	1	%	\$	\$
TOTAL BASE BID (Items 1 thru 22)					\$

PROJECT NO:

TRENCH SAFETY AFFIDAVIT

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

_____ (NAME OF CONTRACTOR) hereby provides written assurance that compliance with applicable Trench Safety Standards identified in the Occupational Safety & Health Administration's Excavation Safety Standards, (OSHA) 29 C.F.R.S. 1926.650 Subpart P will be adhered to during trench excavation in accordance with Florida Statutes 553.60 through 553.64 inclusive (1990), "Trench Safety Act".

The undersigned acknowledges that included in the various items of the proposal and in the Total Bid Price are costs for complying with the Florida "Trench Safety Act" as summarized below: (Attach additional sheets as necessary)

Schedule Item	Trench Safety Measure (Slope, Trench Shield, etc.	Cost
		\$
		\$
		\$
		\$
		\$
		\$
		\$
	Total	\$

_____ (Signature)

_____ (date)

STATE OF _____

COUNTY OF _____

Subscribed and Sworn to (or affirmed) before me on _____ (date) by

_____ (name). He/she is personally known to me or has

presented _____ (type of identification) as identification.

Notary Public Signature and Seal

Print Notary Name and Commission No.

SCHEDULE OF MAJOR SUBCONTRACTORS

List Proposed Major Subcontractors

Category of Work

<hr/>	<hr/>

SCHEDULE OF MAJOR EQUIPMENT AND MATERIALS

Description	Manufacturer	Model
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**SWORN STATEMENT UNDER SECTION 287.133(3)(a),
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to _____
by _____ [print name of the public entity]
by _____ [print individual's name and title]
for _____ [print name of entity submitting sworn statement]

whose business address is _____

and (if applicable) its Federal Employer Identification Number (FEIN) is _____

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____.)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
1. A predecessor or successor of a person convicted of a public entity crime; or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
5. I understand that a "person" as defined in Paragraph 287.133(1)(c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. [Please indicate which statement applies.]

_____ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. [attach a copy of the final order]

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

[signature]

[date]

STATE OF _____

COUNTY OF _____

Subscribed and Sworn to (or affirmed) before me on _____ by
[date]

_____. He/she is personally known to me or has presented
[name]

_____ as identification.
[type of identification]

[Notary's Signature and Seal]

Print Notary Name and Commission No.

Form PUR 7068 (Rev. 04/10/91)
M/R 03/06/92

CERTIFICATION OF DRUG FREE WORKPLACE PROGRAM

I certify the firm of _____ maintains a drug-free workplace program, and that the following conditions are met:

1. We publish a statement notifying employees that the unlawful manufacturer, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying that actions will be taken against employees for violations of such prohibitions.
2. We inform employees about the dangers of drug abuse in the workplace, the company's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. We give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection one (1).
4. In the statement specified subsection one (1) we notify the employee that; a condition of working in the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty nolo contendere to any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. We impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is convicted.
6. We make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Contractor's Signature

ATTACHMENT C

REVISED SECTION 00310

BIDDER'S QUALIFICATION QUESTIONNAIRE

PROJECT: City of Lake Worth WTP Upgrades and Improvements

BIDDERS'S QUALIFICATION QUESTIONNAIRE

(Include in Bid Envelope)

THE UNDERSIGNED GUARANTEES THE TRUTH AND ACCURACY OF ALL STATEMENTS AND ANSWERS HEREIN CONTAINED:

- A. Any information judged by OWNER OR ENGINEER to be false is grounds for rejection of Bid and Cost Proposal. (Use additional sheets as required to provide the required information.)

- B. The individual who holds the General Contractor's License certified in Florida shall be active in the management and ownership of the firm awarded the work and be available to provide their expertise for the project on an ongoing-basis. Provide the name of this individual for the complete duration of this project.

- C. State the numbers of years your organization has been doing business in Florida.

- D. State the numbers of years your organization has been doing business as a Licensed General Contractor in Florida.

- E. We normally perform _____% of the work with our own forces.

List trades below: _____

- F. Have you ever failed to complete work awarded to you? If so, state where when and why

G. BIDDER shall have performed at least five (5) similar projects which involved modifications to critical components within an active municipal water treatment plant within the past five years. Provide references below:

Project #1 Name: _____

Contract Amount: _____

Owner: _____

Owner Contact: _____ Phone No. _____

Consultant /Engineer _____ Phone No. _____

Type of Work Completed: _____

Date Completed: _____

Contract Schedule (days): _____

Project #2 Name: _____

Contract Amount: _____

Owner: _____

Owner Contact: _____ Phone No. _____

Consultant /Engineer _____ Phone No. _____

Type of Work Completed: _____

Date Completed: _____

Contract Schedule (days): _____

Actual Completion Schedule: _____

Project #3 Name: _____

Contract Amount: _____

Owner: _____

Owner Contact: _____ Phone No. _____

Consultant /Engineer _____ Phone No. _____

Type of Work Completed: _____

Date Completed: _____

Contract Schedule (days): _____

Actual Completion Schedule: _____

Project #4 Name: _____

Contract Amount: _____

Owner: _____

Owner Contact: _____ Phone No. _____

Consultant /Engineer _____ Phone No. _____

Type of Work Completed: _____

Date Completed: _____

Contract Schedule (days): _____

Actual Completion Schedule: _____

Project #5 Name: _____

Contract Amount: _____

Owner: _____

Owner Contact: _____ Phone No. _____

Consultant /Engineer _____ Phone No. _____

Type of Work Completed: _____

Date Completed: _____

Contract Schedule (days): _____

Actual Completion Schedule: _____

- H. List ALL projects within the past five years (started, underway, or completed) in which liquidated damages (LD) were incurred, either directly or indirectly (attach additional sheets as required):

Project: _____

LD Amount: _____

LD Unit Price: _____

- I. BIDDER shall specifically name their proposed superintendent to be utilized on this project and shall identify the years of water treatment plant construction experience completed by the proposed superintendents within the previous five years. It must be demonstrated that the experience is with the current bidder.

Name: _____

Position: _____

Years of Experience with BIDDER: _____

Type of Work Responsible For: _____

License: _____

- J. BIDDER shall provide information related to the job safety and safety rating of the corporation:

K. Please attach copies of your most recent audited financial statement.

L. Bonding Capacity:

(a) Please state your bonding capacity per project. _____

(b) Please state your total bonding capacity. _____

(c) Please provide name, address and contact person of your bonding company.

M. State the true, exact, correct and complete name of the partnership, corporation or trade name under which you do business. (If corporation, state the name of the president and secretary. If a partnership, state the name of all partners. If a trade name, state the name of the individuals who do business under the trade name).

(a) The business is a _____

(b) The address of the principal place of business is: _____

(c) The name of the corporate officers, or partners, or individuals doing business under a trade name are as follows:

If a Corporation, attach a copy of the most recent good standing certificate issued by the Secretary of State of Florida.

Date _____

Bidder: _____

By: _____

Title: _____

Mailing Address: _____

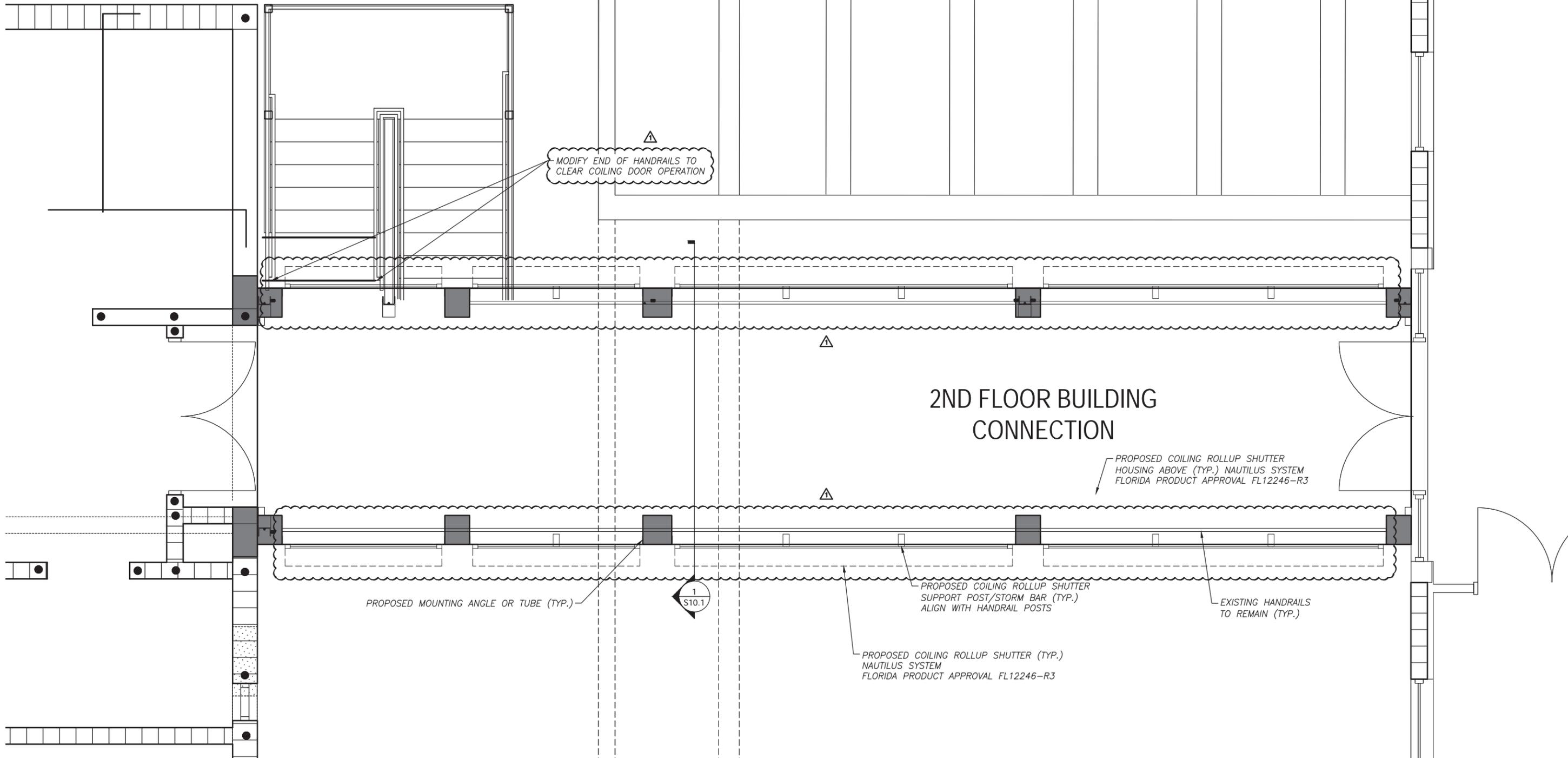
END OF BIDDER'S QUALIFICATION QUESTIONNAIRE

ATTACHMENT D

REVISED VOLUME 3 DRAWINGS

NO'S S10.0, S10.1 AND S10.2

DATE: Nov 08, 2016 - 4:18pm S:\2015-Jobs\LM-WTP Safety Upgrades - 08151929\07 Structural Drawings\07 Walkway Enclosure Plan.dwg



1 WALKWAY ENCLOSURE PLAN
S10.0

GRAPHIC SCALE IN FEET

SAFETY UPGRADES 16, 39, 46, 65, 69, 70, 79



NO.	REVISION	DATE	BY
1	CHANGE INT. TO EXT. MOUNT	11-08-2016	D.A.M.

WGI

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

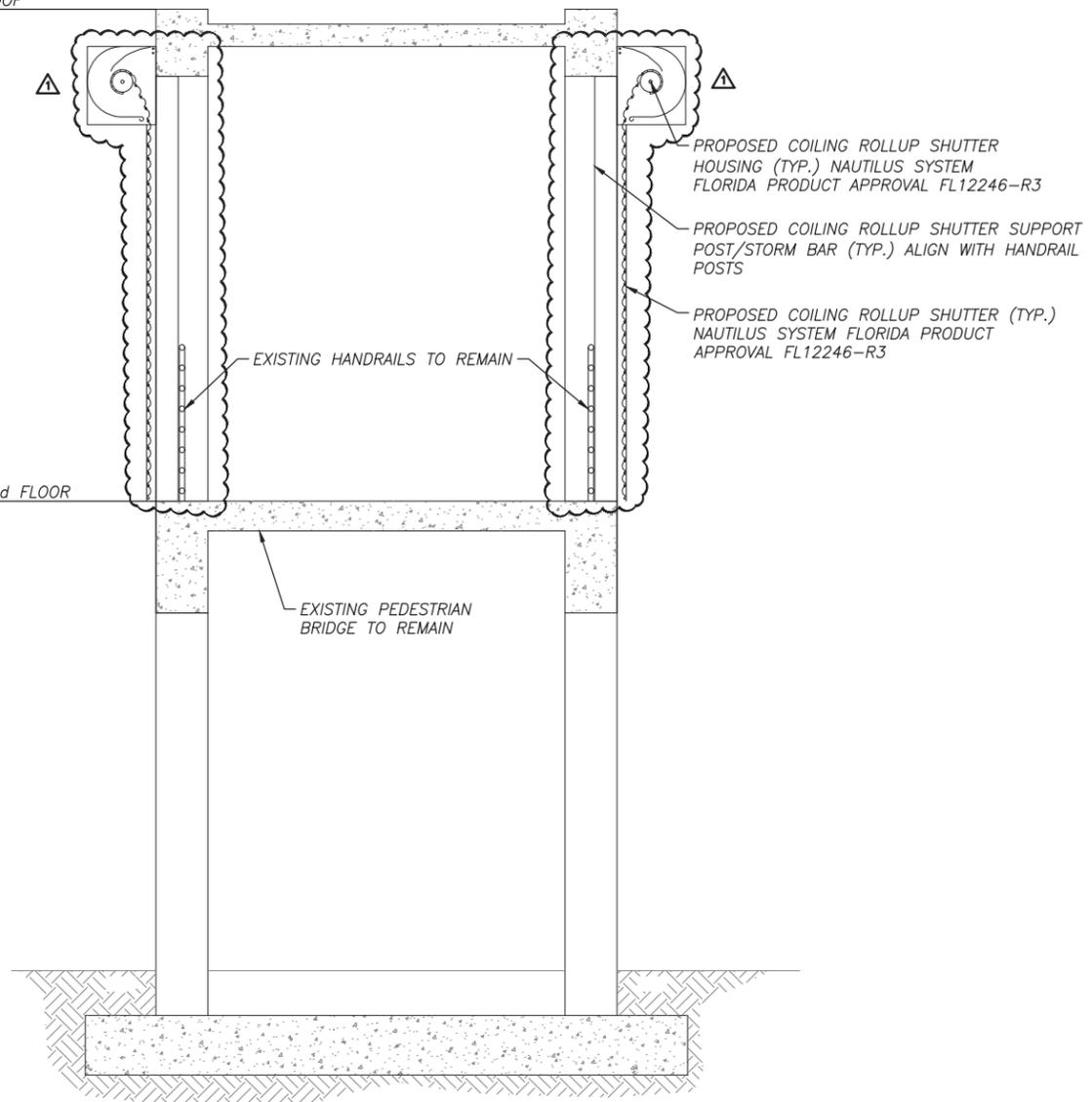
CITY OF LAKE WORTH WTP
VOLUME NO. 3
PLANT SAFETY IMPROVEMENTS

DRAWN D.A.M. CHECKED J.R.B. DATE OCTOBER 2016 SCALE AS NOTED	SEAL Jeffrey R. Bergmann-50159 FLORIDA P.E. NAME & NUMBER	SHEET S10.0 PROJECT NO. 08151929.00
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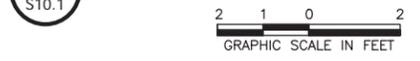
BID SET

TOP OF ROOF
EL. 22.5

TOP OF 2nd FLOOR
EL. 11.5

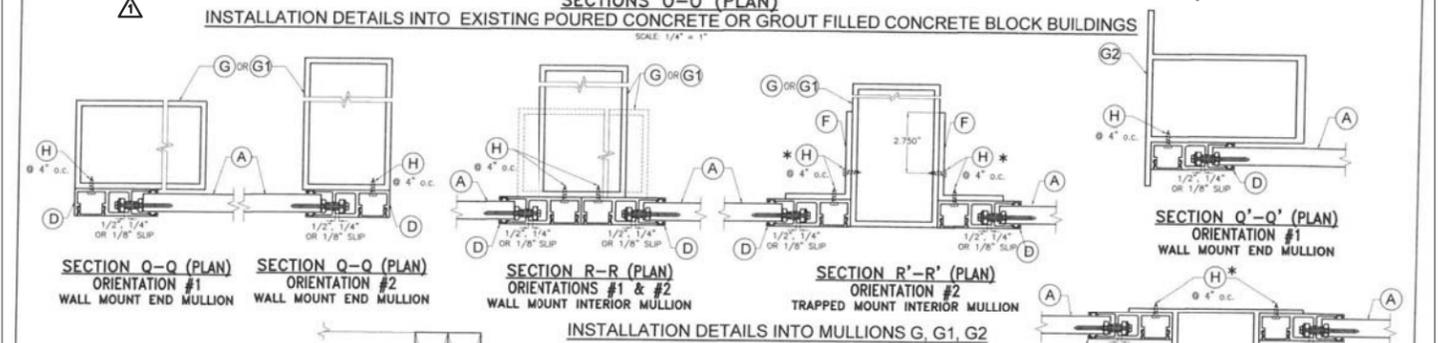
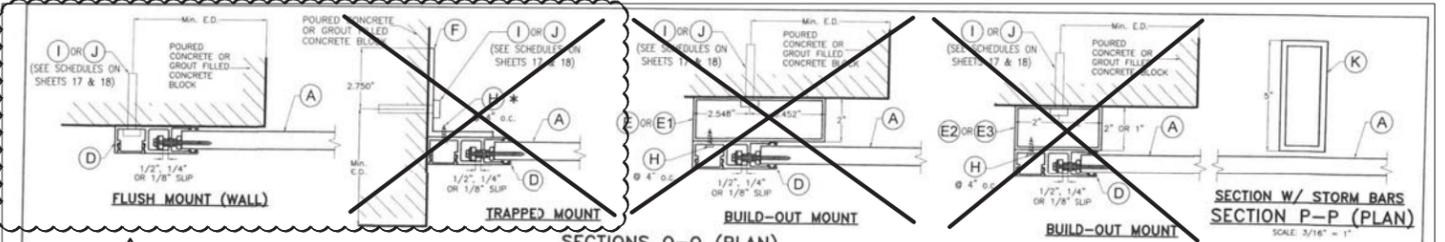
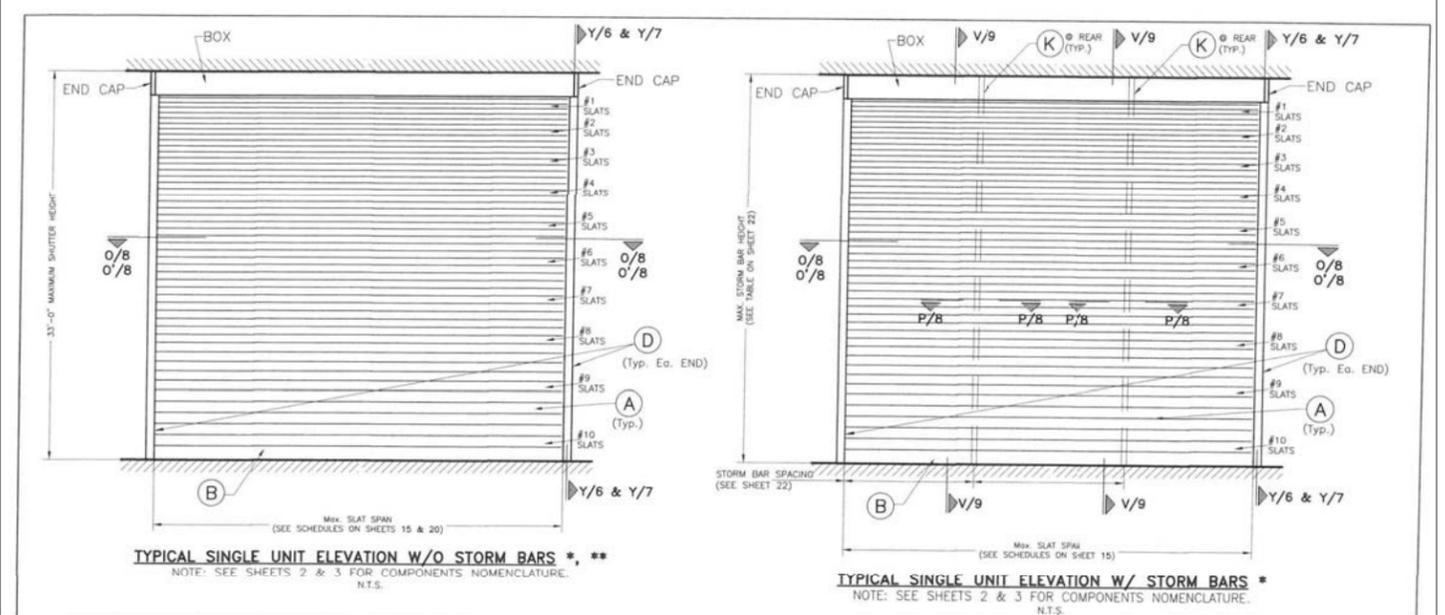


1 WALKWAY ENCLOSURE SECTION



ROLLING SHUTTER SYSTEM

1. THE ROLLING SHUTTER SYSTEM SHALL BE NAUTILUS AS MANUFACTURED BY EXPERT SHUTTER SERVICES FLORIDA PRODUCT APPROVAL FL12246-R3
2. THE SYSTEM SHALL USE **FLUSH** MOUNTED INSTALLATION AS DEPICTED IN THE FL12246-R3 PRODUCT APPROVAL.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENGINEERING DESIGN OF THE ANGLE ATTACHMENT TO THE EXISTING COLUMN. THE DESIGN SHALL AVOID EXISTING LIGHTS, FIRE ALARM, PANELS AND SURFACE MOUNTED CONDUIT. DESIGN CALCULATIONS SHALL BE PROVIDED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.
4. ALL FASTENERS SHALL BE STAINLESS STEEL 316.
5. SERVICE DESIGN PRESSURE SHALL BE +/- 75 PSF.
6. ALL ALUMINUM IN CONTACT WITH CONCRETE SHALL BE COATED WITH A BITUMINOUS EPOXY.



NOTE: THE ABOVE SHEETS ARE EXCERPTS FROM THE FLORIDA PRODUCT APPROVAL FL12246-R3.

2 COILING ROLLUP SHUTTER

S10.1 NOT TO SCALE

SAFETY UPGRADES 16, 39, 46, 65, 69, 70, 79



NO.	REVISION	DATE	BY
1	CHANGE INT. TO EXT. MOUNT	11-08-2016	D.A.M.



CITY OF LAKE WORTH WTP
VOLUME NO. 3
PLANT SAFETY IMPROVEMENTS

<p>DRAWN D.A.M. CHECKED J.R.B. DATE OCTOBER 2016 SCALE AS NOTED</p>	<p>SEAL Jeffrey R. Bergmann-50159 FLORIDA P.E. NAME & NUMBER</p>	<p>SHEET S10.1 PROJECT NO. 08151929.00</p>
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DATE: Nov 08, 2016 - 4:19pm S:\2015-Jobs\16-WTP Safety Upgrades - 08151929\07 Structural Drawings\1510.1 Walkway Enclosure Section.dwg

BID SET

DATE: Nov 08, 2016 - 4:19pm S:\2015-Jobs\LM-WTP Safety Upgrades - 08151929\07 Structural Drawings\07 Structural Drawings\07 Walkway Enclosure Photo.dwg



PHOTO S10.2.1

1. CRACKED AND DELAMINATED CONCRETE TO BE REPAIRED USING REPAIR PROCEDURE 2.

SAFETY UPGRADES 16, 39, 46, 65, 69, 70, 79



NO.	REVISION	DATE	BY
1	CHANGE INT. TO EXT. MOUNT	11-08-2016	D.A.M.



CITY OF LAKE WORTH WTP
 VOLUME NO. 3
 PLANT SAFETY IMPROVEMENTS

DRAWN D.A.M.
CHECKED J.R.B.
DATE OCTOBER 2016
SCALE AS NOTED

SEAL
Jeffrey R. Bergmann-50159 FLORIDA P.E. NAME & NUMBER

SHEET S10.2
PROJECT NO. 08151929.00

BID SET

ATTACHMENT E

WINDOW OPENING DIMENSIONS

LWWTP
301 College Street
Lake Worth, Florida 33460

The Rolling Shutter System shall be Nautilus as Manufactured by Expert Shutter Services Florida Product Approval FL 12246-R3

Coiling	Door No.	Width (inches)	Height (inches)
	1	187	125
	2	177	125
	3	94	125
	4	89	125
	5	89	125
	6	94	125
	7	177	125
	8	187	125