

RESOLUTION NO. 14-182

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF KEY WEST, FLORIDA, AWARDED THE BID OF MINGO & COMPANY, LLC IN RESPONSE TO ITB #14-004: FIRE STATION DOOR REPLACEMENT IN THE AMOUNT OF \$101,872.00; PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, one responsive bid was received in response to ITB #14-004; Fire Station Door Replacement; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF KEY WEST, FLORIDA, AS FOLLOWS:

Section 1: That the bid of Mingo & Company, LLC in the amount of \$101,872.00 is hereby awarded, and the City Manager is authorized to enter into a contract in conformity with the bid documents upon the advice and consent of the City Attorney.

Section 2: That a budget transfer of \$1,872.00 from Infrastructure Surtax Funds Reserve (account 101-1900-519-94.00) is hereby authorized for this project.

Section 3: Funds for the project are budgeted for FY 2014 in account 101-2201-522-6200.

Section 4: That this Resolution shall go into effect immediately upon its passage and adoption and authentication by the signature of the presiding officer and the Clerk of the Commission.

Passed and adopted by the City Commission at a meeting held this 1st day of July, 2014.

Authenticated by the Presiding Officer and Clerk of the Commission on 2nd day of July, 2014.

Filed with the Clerk on July 2, 2014.

|                            |               |
|----------------------------|---------------|
| Mayor Craig Cates          | <u>Yes</u>    |
| Vice Mayor Mark Rossi      | <u>Yes</u>    |
| Commissioner Teri Johnston | <u>Yes</u>    |
| Commissioner Clayton Lopez | <u>Yes</u>    |
| Commissioner Billy Wardlow | <u>Yes</u>    |
| Commissioner Jimmy Weekley | <u>Yes</u>    |
| Commissioner Tony Yaniz    | <u>Absent</u> |

  
\_\_\_\_\_  
CRAIG CATES, MAYOR

ATTEST:

  
\_\_\_\_\_  
CHERYL SMITH, CITY CLERK



THE CITY OF KEY WEST  
3140 Flagler Ave Key West, FL 33040 (305) 809-3700

MEMORANDUM

**TO:** Bob Vitas, City Manager  
**FROM:** Janet Muccino, Project Manager  
**CC:** David Fernandez, Asst. City Manager  
Jim Bouquet, City Engineer  
**DATE:** June 12, 2014  
**SUBJECT:** Award contract and necessary budget transfers for Fire Station Door Replacement to Mingo & Company, LLC in the amount of \$101,872.

**ACTION STATEMENT:**

Approving the contract for the replacement of three roll-up doors at Fire Station #3 & six roll-up doors at Fire Station #1 to Mingo & Company.

This project falls under Infrastructure Goal # 4 of the 2011 Strategic Plan which is the long term sustainability of the City's hard assets.

**BACKGROUND:**

The Fire Station Door Replacement was competitively bid and the City received one (1) bid from Mingo Construction. The Invitation to Bid included two alternates to the base bid roll-up doors. Alternates included- overhead doors and bi-fold doors. Roll-up doors are currently installed at both stations. The base bid for roll-up doors was \$101,872. The overheads door alternate was bid at \$94,645, No bid was provide for the bi-fold alternate.

**FINANCIAL IMPACT:**

The Fire Station Door replacement was budgeted in FY 13/14 at \$100,000 from the Infrastructure Surtax Fund (account #101-2201-522-6200). The bid amount of \$101,872 for roll-up doors will require a budget transfer of \$1,872 from the- Infrastructure Surtax Fund Reserves (account # 101-1900-519.94).

**PURPOSE & JUSTIFICATION:**

The purposes of replacing the existing roll-up doors are:

1. The door motors are old and not functioning properly.
2. Some doors are twisted and do not roll properly.

The justification for replacing the existing doors with roll-up vs. overhead doors

1. Fire Department has requested roll-up doors based on past operational experience.
2. Upon further research by the Engineering Department, overhead (sectional) doors will not meet wind load requirements and have a shorter life expectancy than roll-up doors.

**OPTIONS:**

1. Approve award for roll-up doors at \$101,872; doors meet win load requirements.
2. Approve award for overhead doors for \$94,645; doors cannot meet wind load.
3. Reject the bid by Mingo Construction and rebid.

**RECOMMENDATION:**

Engineering staff and the Fire Department recommend awarding the contract to Mingo for roll- up doors at Fire Stations 1 & 3 for \$101,872.

Notice to Bidder: Use Black Ink or Type For Completing the Form.

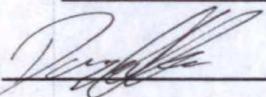
**BID**

To: The City of Key West  
Address: 3126 Flagler Ave, Key West, Florida 33040  
Project Title: FIRE STATION DOOR REPLACEMENT  
Project: ITB #14-004

**BIDDER'S INFORMATION**

Name: MINGO AND COMPANY, LLC  
Address: 5580 1<sup>ST</sup> AVE.  
KEY WEST, FL 33040

Contact Name: DOMINGO CASTELLANOS  
Email: mingo@mingoandco.llc.com  
Telephone: 305-293-0442  
Fax: 305-293-0443

Signature:  Date: 5/14/2014

**BIDDER'S DECLARATION AND UNDERSTANDING**

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

The Bidder further declares that he/she has carefully examined the Contract Documents for the construction of the project, that he/she has personally inspected the site, that he/she has satisfied himself/herself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that

this Bid is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Bid.

The Bidder further agrees that he/she has exercised his/her own judgment regarding the interpretation of job conditions and has utilized all data, which he/she believes pertinent from the Project Manager, Owner, and other sources in arriving at his/her conclusions.

The intent of the Bid Documents is to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any work, materials, or equipment that may reasonably be inferred from the Contract Documents, as being required to produce the intended result shall be supplied whether or not specifically called for.

#### **CONTRACT EXECUTION AND BONDS**

The Bidder agrees that if this BID is accepted, he/she will, within ten (10) calendar days after Notice of Award, sign the Contract in the form annexed hereto, will attach all required licenses and certificates, and will, to the extent of his BID, furnish all equipment, materials, and labor necessary to complete all work as specified or indicated in the Contract Documents. Performance and Payment Bonds in an amount equal to 100% of contract value will be required as part of this contract.

#### **CERTIFICATES OF INSURANCE**

Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

#### **START OF CONSTRUCTION AND CONTRACT COMPLETION TIME**

The Bidder further agrees to begin work within twenty (20) calendar days after the date of the Notice to Proceed and to complete the construction of all items in the lump sum base Bid, in all respects, for this particular project, within ninety (90) calendar days after the date of the Notice to Proceed.

#### **LIQUIDATED DAMAGES**

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time limit or extended time limit agreed upon as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the Owner at the rate of five hundred dollars (\$500.00) per day for all work awarded under this contract until the work has been satisfactorily completed as provided by the Contract Documents. Sundays and legal holidays shall be included in determining days in default.

#### **ADDENDA**

The Bidder hereby acknowledges that he has received Addenda No's. 1  
           (Bidder shall insert No. of each Addendum received) and agrees that all addenda issued



**THE CITY OF KEY WEST**

Post Office Box 1409  
Key West, FL 33041-1409

**ADDENDUM NO. 1 – FIRE STATION DOOR REPLACEMENT/ ITB 14-004**

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is hereby addended in accordance with the following items:

**RFI Questions Submitted**

I. Should all operations of doors, such as openers, electrical low voltage, and emergency shut offs be included?

**Yes, as stated in the "Invitation to Bid", page 6, The project contemplates consists of providing all materials, equipment and labor necessary .....**

II. There's no preferred manufacture for doors so we are assuming the proposal should include manufacture specs, engineering, and sealed drawings correct?

**Yes , as stated in the "Scope of Work" , page 85.**

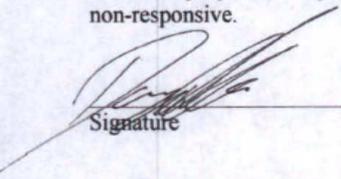
III. This project is small but is the local vendors or contractors advantage to hire local part of this bid submission.

**Yes, as sated on page 50, # 14 a. "Local Preference" of the bid documents.**

IV. The time frame of 90 days may be dependent on manufacturing by door supplier. Some have 6-8 week lead times. Something we should include in contract docs.

**Please submit a work schedule with your bid including manufacturers lead time.**

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

  
Signature

MINGO AND COMPANY, LLC  
Name of Business

**BID FORM**

**ITB #14-004: FIRE STATION DOOR REPLACEMENT**

**FIRE STATION # 1 @ 1600 NORTH ROOSEVELT BOULEVARD**

**LUMP SUM BASE BID PRICE for SIX (6) ROLL-UP DOORS 12' w x 16' h**  
**(MEASUREMENTS TO BE VERIFIED BY BIDDER)**

\$ 61,912.00

SIXTY-ONE THOUSAND NINE HUNDRED TWELVE AND NO CENTS  
Bid Total in Words

**BID ALTERNATIVES FOR FIRE STATION #1**

**ALTERNATE 1 for SIX (6) OVERHEAD DOORS**

\$ 58,320.00

FIFTY EIGHT THOUSAND THREE HUNDRED TWENTY AND NO CENTS  
Bid Total in Words

**ALTERNATE 2 for SIX (6) BI-FOLD DOORS**

\$ N/A

N/A  
Bid Total in Words

**\*ALL BIDS INCLUDE REMOVAL & DISPOSAL of ALL ELEMENTS of EXISTING DOORS**

**FIRE STATION # 3 @ 1525 KENNEDY DRIVE**

**LUMP SUM BASE BID PRICE for THREE (3) ROLL-UP DOORS 12'w x 12' h  
(MEASUREMENTS TO BE VERIFIED BY BIDDER)**

\$ 39,960.00

THIRTY-NINE THOUSAND NINE HUNDRED SIXTY AND NO CENTS

Bid Total in Words

**BID ALTERNATIVES FOR FIRE STATION #3**

**ALTERNATE 1 for THREE (3) OVERHEAD DOORS**

\$ 36,325.00

THIRTY-SIX THOUSAND THREE HUNDRED TWENTY-FIVE AND NO CENTS

Bid Total in Words

**ALTERNATE 2 for THREE (3) BI-FOLD DOORS**

\$ N/A

N/A  
Bid Total in Words

**\*ALL BIDS INCLUDE REMOVAL & DISPOSAL of ALL ELEMENTS of EXISTING DOORS**

**BID BREAKDOWN\***

The Bidder shall provide a Schedule of Values for all aspects of the project including mobilization/demobilization, labor and materials, permitting, etc. required or to be used for the project. The schedule of values shall be in sufficient detail to allow the owner to understand how the Bidder arrived at said Base Bid and Alternate Bid prices and shall become part of the contract for basis of payment. The City may ask for a more detailed schedule of values if one submitted is not sufficient.

**\*FINAL PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD AND APPROVED BY CITY STAFF**

**SUBCONTRACTORS**

The Bidder further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the work in the event that the Bidder is awarded the Contract:

Portion of Work: SUPPLY DOORS AND INSTALLATION

Name: ROLLING DOOR MANUFACTURING

Address: 8214 N.W. 64 ST. MIAMI, FL 33166

Portion of Work: ELECTRICAL SERVICES

Name: FLORIDA KEYS ELECTRIC

Address: 5730 2ND AVE KEY WEST, FL 33040

Portion of Work: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

BIDDER

The name of the Bidder submitting this Bid is: MINGO AND COMPANY, LLC

Doing business at 5580 1<sup>ST</sup> AVE.

City KEY WEST State FL Zip 33040

Telephone No. 305-293-0442

This address is where all communications concerning this Bid shall be sent.

The names of the principal officers of the Corporation submitting this Bid, or of the Partnership, or of all persons interested in this Bid as Principals are as follows:

| Name                       | Title        |
|----------------------------|--------------|
| <u>DOMINGO CASTELLANOS</u> | <u>OWNER</u> |
|                            |              |
|                            |              |

**If Corporation**

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this 14<sup>TH</sup> day of MAY, 2014.

(SEAL)

Name of Corporation

By: [Signature]

Title: OWNER

Attest: [Signature]

Secretary

**If Sole Proprietor or Partnership**

IN WITNESS hereto the undersigned has set his/her/its hand this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

Signature of Bidder \_\_\_\_\_

Title \_\_\_\_\_

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

**PROJECT ITB #14-004: FIRE STATION DOOR REPLACEMENT**

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 14-004 for FIRE STATION DOOR REPLACEMENT
  
2. This sworn statement is submitted by MINGO AND COMPANY, LLC  
(Name of entity submitting sworn statement)  
whose business address is 5580 1<sup>ST</sup> AVE. KEY WEST, FL 33040  
and (if applicable) its Federal  
Employer Identification Number (FEIN) is 20-4529951 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement)
  
3. My name is DOMINGO CASTELLANOS and my relationship to  
(Please print name of individual signing)  
the entity named above is OWNER
  
4. 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 with 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, material misrepresentation.
  
5. 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 information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
  
6. 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 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.
  
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), 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.

8. 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 have 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, AND (Please indicate which additional statement applies.)

There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

[Signature]  
(Signature)

5-14-14  
(Date)

STATE OF FLORIDA

COUNTY OF MONROE

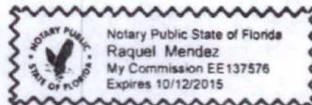
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Domingo Castellanos who, after first being sworn by me, affixed his/her signature in the  
(Name of individual signing)

space provided above on this 14 day of May, 2014.

My commission expires:

[Signature]  
NOTARY PUBLIC





**CITY OF KEY WEST INDEMNIFICATION FORM**

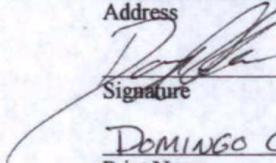
To the fullest extent permitted by law, the Contractor expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnities") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Contractor its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnities for indemnification shall be limited to the amount of Contractor's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the Contractor or of any third party to whom Contractor may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

CONTRACTOR: MINGO AND COMPANY, LLC

SEAL:

5580 1<sup>ST</sup> AVE, KEYWEST, FL 33040  
Address

  
Signature

DOMINGO CASTELLANOS  
Print Name

OWNER  
Title

5/14/2014  
Date

**LOCAL VENDOR CERTIFICATION PURSUANT TO CKW ORDINANCE 09-22  
SECTION 2-798  
PROJECT ITB #14-004: FIRE STATION DOOR REPLACEMENT**

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.
- b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.
- c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for proposals.
  - Not a local vendor pursuant to Ordinance 09-22 Section 2-798
  - Qualifies as a local vendor pursuant to Ordinance 09-22 Section 2-798

If you qualify, please complete the following in support of the self certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name MINGO AND COMPANY, LLC Phone: 305-293-0442

Current Local Address: 5580 1<sup>ST</sup> AVE KEY WEST, FL 33040 Fax: 305-293-0443  
(P.O Box numbers may not be used to establish status)

Length of time at this address: 9 MONTHS

[Signature] Date: 5-14-14  
Signature of Authorized Representative

STATE OF FLORIDA COUNTY OF MONROE

The foregoing instrument was acknowledged before me this 14 day of May, 2014.

By Domingo Castellanos, of Mingo and Company  
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

or has produced \_\_\_\_\_ as identification  
(Type of identification)

Return Completed form with  
Supporting documents to:  
City of Key West Purchasing

[Signature]  
Signature of Notary  
Notary Public State of Florida  
Raquel Mendez  
My Commission EE 132576  
Print Name of Notary  
Asst Branch Manager  
Title or Rank



**CONE OF SILENCE AFFIDAVIT**

STATE OF FLORIDA )  
  : SS  
COUNTY OF MONROE )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of MINGO AND COMPANY, LLC have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).

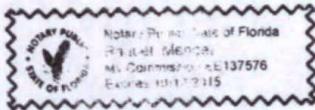
Sworn and subscribed before me this

14 day of NOV, 2014.

[Signature]

NOTARY PUBLIC, State of FL at Large

My Commission Expires: 10/12/2015



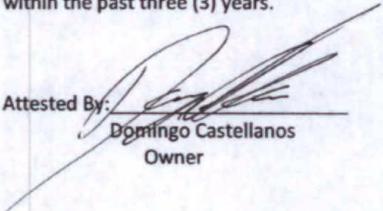


2619 STAPLES AVE. KEY WEST, FLORIDA 33040 • OFFICE: 305.293.0442 • FAX: 305.293.0443

5/14/2014

Mingo and Company, LLC does not have any previous or existing legal action against said company within the past three (3) years.

Attested By:

  
Domingo Castellanos  
Owner



2819 STAPLES AVE., KEY WEST, FLORIDA 33040 • OFFICE: 305.293.0442 • FAX: 305.293.0443

#### SCHEDULE OF WORK

Permitting and Shop Drawings for Doors – Two Weeks

Manufacturing of Doors – Four Weeks

Delivery of Doors – One Week

Demo and Installation of Doors Including Electrical – Three Weeks

Inspection and Sign Off – One Week



2819 STAPLES AVE., KEY WEST, FLORIDA 33040 • OFFICE: 305.293.0442 • FAX: 305.293.0443

### References

**Southernmost Beach Motel Limited Partnership**

121 W. Long Lake Road

Bloomfield Hills, MI 48304

Mr. Stuart Kaufman

248-568-6643

Project: Simonton & Duval Buildings 6/2012 – 10/2012

**Conch Harbor Marina**

951 Caroline Street

Key West, FL 33040

Mr. Craig Hunt

305-294-2933

Project: West Marine Store 2/2013 – 8/2013

**BurgerFi International, LLC**

105 US Highway 1

North Palm Beach, FL 33408

Ms. Sandy Karp

561-844-5528

Project: 221 Duval Street 4/2013 – 7/2013

See attached letters

**Southernmost Beach Motel Limited Partnership**

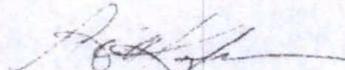
121 W. Long Lake Rd.  
Suite 310  
Bloomfield Hills, Mi. 48304

November 16, 2013

To Whom It May Concern:

As managing member of Southernmost Beach Motel Limited Partnership, The former owner and operator of the Southernmost Hotel Collection we have, over the last several years, used Mingo Castellanos exclusively for all our construction projects at the hotel. We have use Mingo exclusively because he consistently finished on time and on budget, and finishing on time in our business, where every day a room is out of service represents revenue that can't be recouped, is critically important. Equally importantly, the quality of Mingo's work always met our high standards and when unexpected field conditions arose Mingo was very resourceful un coming up with a good fix or work around to keep the job moving without sacrificing quality.

The work done by Mingo over the years ranged from simple bathroom remodels to complete renovations of entire buildings including correcting structural issues and building all new rooms.



Stuart Kaufman



January 17, 2014

Mr. Domingo Castellanos  
Mingo & Company  
5580 1<sup>st</sup> Ave.  
Key West, FL 33040

Dear Mingo,

I would like to offer my appreciation for a job well done. The new 13,500 sq ft commercial space that you have constructed for us shows an excellent quality of work. I was impressed that you were able to meet our tight time frame. I truly believe that the communication level that was kept during the construction process was paramount. The weekly meetings with the sub contractors and your team were essential to us being informed every step of the way. I am certain that anyone else you work with in the future will be pleased with you and your team.

Sincerely,

Craig Hunt



NATURAL BURGERS • FRIES • DOGS • CUSTARD • CRAFT BEERS • WINE

LETTER OF RECOMMENDATION

December 14, 2014

To whom it may concern:

It is my pleasure to write this unsolicited letter of recommendation on behalf of Domingo "Mingo" Castellanos and the Mingo Construction Team. Mingo was the general contractor for a remodeling project for BurgerFi International located at 221 Duval Street. I had no prior relationship with Mingo, who was recommended by the Landlord's Attorney and the Landlord. The scope of the work was to be contracted as a Design/Build.

While major remodeling of a historic building is stressful in itself, Mingo's services as a general contractor were invaluable, and I am extremely pleased with the final result. Specifically, I would give Mingo top marks in the following areas:

1. Quality of work performed.
2. Quality of work crews. The workmen whom Mingo utilized were professional, reliable, courteous, and respectful of our schedule. They had an old school work ethic (often 10-hour days, 7 days per week). Their pride in their work was evident. I also found them to be trustworthy.
3. Project management and coordination. Bob's prior experience working in construction really paid off. His excellent attention to detail, strong organizational skills and commitment to follow-through are assets which enabled him to juggle the extensive details involved in our project without missing a beat. Mingo's familiarity with building codes and dealing with city hall also facilitated a smooth and process when it came to building permits and inspections.

In closing, I most definitely recommend Mingo Construction for any project in the Keys and would use them again if I am ever building in this area again.

Sincerely,

*Sandy Karp*

Sandy Karp  
Director of Construction  
BurgerFi International LLC

**BurgerFi® International, LLC**  
105 US Highway 1  
North Palm Beach, Florida 33408  
(561)844-5528

AC# 6120539

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L12050700928

| DATE       | BATCH NUMBER | LICENSE NBR |
|------------|--------------|-------------|
| 05/07/2012 | 110373111    | CGC1520559  |

The GENERAL CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2014

CASTELLANOS, DOMINGO G  
MINGO & COMPANY LLC  
2819 STAPLES AVENUE  
KEY WEST FL 33040

RICK SCOTT  
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON  
SECRETARY

# CITY OF KEY WEST, FLORIDA

## Business Tax Receipt

This Document is a business tax receipt  
Holder must meet all City zoning and use provisions.  
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

|               |  |                                    |
|---------------|--|------------------------------------|
| Business Name | MINGO & COMPANY LLC                              | CtlNbr:0016524                     |
| Location Addr | 5580 1ST AVE                                     |                                    |
| Lic NBR/Class | 14-00020184 CONTRACTOR - CERT GENERAL CONTRACTOR |                                    |
| Issue Date:   | September 24, 2013                               | Expiration Date:September 30, 2014 |
| License Fee   | \$309.75   |                                    |
| Add. Charges  | \$0.00   |                                    |
| Penalty       | \$0.00   |                                    |
| Total         | \$0.00   |                                    |
| Comments:     | _____  |                                    |

\_\_\_\_\_  
This document must be prominently displayed.

MINGO & COMPANY LLC

MINGO & COMPANY LLC  
2819 STAPLES AVE

KEY WEST FL 33040



**ROLLING DOOR  
MANUFACTURING**



## **Rolling Overhead Doors**

**A proven performer that provides quality and security, our overhead doors create a high strength barrier, showcase your property and discourage forced entry.**

Rolling Door Manufacturing is a leading provider of door solutions for any application. This door provides a great value and a fast return on your investment, with low maintenance costs and a smooth operation.

Our rolling door is laboratory tested and approved by the State of Florida to withstand hurricane winds of up to 150 MPH (3-sec gusts) and missile impacts with a pressure rating of 65 pounds per sq. foot (PSF).

Our line of Rolling Doors come with:

- One Year Warranty.
- High Strength 22 Gauge Galvanized Steel with a Baked on White Finish for Extra Protection.



**Product Approval No.  
FL 14444  
(For High Velocity  
Hurricane Zones)**

**Benefits:**

- Unclutter your space! This door has been designed to make the most out of the available space. The curtain rolls into a compact box at the top, creating extra space and providing a clean look.
- Lower your maintenance costs! the parts are built for a heavy duty use and are tested to perform in the toughest environments.
- Protect your place from mother nature! Our High Velocity doors are tested to perform to their rated windspeed and pressure by an independent engineering firm.
- Capable of withstanding hurricane force winds and object impact.
- Available for custom wind load designs.
- Provides reliable protection against robbery and vandalism.



- Heavy Duty Rolling Door installed with motor operation in the NOAA Headquarters in Miami, Florida.



Our Rolling Doors offer heavy duty protection but maintain a compact design that works great in reduced spaces.



Our Rolling Doors are offered in a custom design for residential applications, we give the customer a range of options to choose from to enhance their home.



The Fire Station No. 6 in the City of Hialeah installed Stormproof rolling doors for their renovation improvements in 2009.



## Components

### Hood

*Protective sheet metal (24 gauge steel galvanized) enclosure for the curtain. Enclosure is hexagonal or square depending on door dimensions.*

### Counterbalance Shaft

*Supports curtain and contains counterbalance torsion springs for assisting operation. High-cycle torsion spring designs available for special uses.*

### Brackets

*Holds the counterbalance shaft and the chain/motor mechanisms for door operation. 3/16" or 1/4" steel plates to support hood and torsion springs.*

### Guides

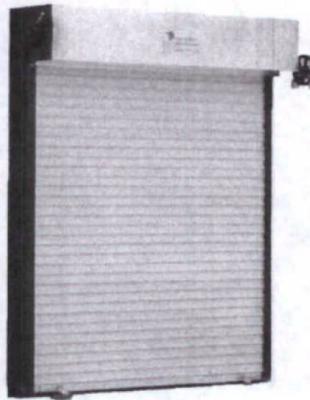
*The guides are railings on which the curtain rolls up and down. Structural Steel Galvanized Angles of 3/16" guides that support entire door weight.*

### Curtain

*The curtain has a series of interconnected 20 gauge or 22 gauge steel galvanized flat slats fitted with windlocks. Optional finish: Range of Dura-Color powdercoat finishes and a white/brown standard finish.*

### Bottom Bar

*The lower part of the curtain that holds the locking mechanisms. Two steel galvanized angles with a weather-proof strip for protection.*



## Operation:

Chain Hoist



Central Electric Motor

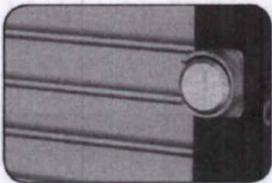


Electric Motor

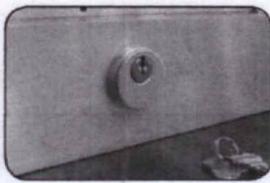


## Locking Mechanisms:

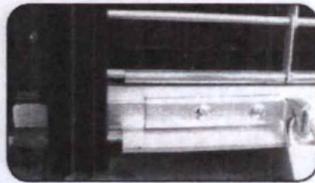
Round Locks



Central Locks



Slide Locks

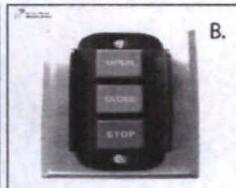


## Accessories for motor operated rolling doors:

- A. Key switch
- B. Push button station
- C. Remote control units
- D. Photocells



A.



B.



C.



D.





**Product Approval**  
USER: Public User

License efficiently. Regulate fairly.

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE SECRETARY

|  |  |                     |
|--|--|---------------------|
| FL #   | FL14444-R1   |                     |
| Application Type   | Revision   |                     |
| Code Version   | 2010   |                     |
| Application Status   | Approved   |                     |
| Comments   |  |                     |
| Archived   |  |                     |
| Product Manufacturer   | Rolling Door Industries, LLC   |                     |
| Address/Phone/Email  | 8214 NW 64th St<br>Miami, FL 33166<br>(305) 599-9977<br>mail@rolling-door.com  |                     |
| Authorized Signature   | Ernesto Rodriguez<br>mail@rolling-door.com   |                     |
| Technical Representative   |  |                     |
| Address/Phone/Email  |  |                     |
| Quality Assurance Representative                                       |  |                     |
| Address/Phone/Email  |  |                     |
| Category   | Exterior Doors   |                     |
| Subcategory  | Roll-Up Exterior Door Assemblies   |                     |
| Compliance Method  | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer<br>Evaluation Report - Hardcopy Received   |                     |
| Florida Engineer or Architect Name who developed the Evaluation Report | Walker A. Tilk Jr., P.E.   |                     |
| Florida License  | PE-44167   |                     |
| Quality Assurance Entity   | National Accreditation and Management Institute  |                     |
| Quality Assurance Contract Expiration Date                             | 12/31/2014   |                     |
| Validated By   | Vladimir Knezevich<br>Validation Checklist - Hardcopy Received   |                     |
| Certificate of Independence  | FL14444_R1_COI_Certificate_of_Independence_Drws.11-233.pdf<br>FL14444_R1_COI_Certificate_of_Independence_Drws.11-234.pdf<br>FL14444_R1_COI_Certificate_of_Independence_Drws.11-249.pdf |                     |
| Referenced Standard and Year (of Standard)                             | <b>Standard</b><br>TAS 201, 202 and 203  | <b>Year</b><br>1994 |
| Equivalence of Product Standards Certified By                          |  |                     |
| Sections from the Code   |  |                     |
| Product Approval Method  | Method 1 Option D  |                     |
| Date Submitted   | 12/19/2011   |                     |
| Date Validated   | 12/20/2011   |                     |
| Date Pending FBC Approval  | 01/03/2012   |                     |
| Date Approved  | 01/31/2012   |                     |

| Summary of Products  |   |  |
|--|---|--|
| FL #   | Model, Number or Name                     | Description  |
| 14444.1  | 14'2" MAX. WIDE 24 GAGE SLAT ROLL UP DOOR | COLD FORMED SLATS INTERLOCKED TOGETHER AND RETAINED BY TRACKS TO PROVIDE HURRICANE PROTECTION AND ENTRANCE CLOSURE.  |
| <b>Limits of Use</b><br>Approved for use in HVHZ: Yes<br>Approved for use outside HVHZ: Yes<br>Impact Resistant: Yes<br>Design Pressure: +60/-60<br>Other: |   | <b>Installation Instructions</b><br>FL14444_R1_IL_Drwg 11-233.pdf<br>Verified By: Fenestration Testing Lab<br>Created by Independent Third Party: Yes<br><b>Evaluation Reports</b><br>FL14444_R1_AE_Product Evaluation Report Drwg 11-233.pdf<br>Created by Independent Third Party: Yes |
| 14444.2  | 16'2" MAX. WIDE 22 GAGE SLAT ROLL UP DOOR | COLD FORMED SLATS INTERLOCKED TOGETHER AND RETAINED BY TRACKS TO PROVIDE HURRICANE PROTECTION AND ENTRANCE CLOSURE.  |
| <b>Limits of Use</b><br>Approved for use in HVHZ: Yes<br>Approved for use outside HVHZ: Yes<br>Impact Resistant: Yes<br>Design Pressure: +65/-65<br>Other: |   | <b>Installation Instructions</b><br>FL14444_R1_IL_Drwg 11-249.pdf<br>Verified By: Fenestration Testing Lab<br>Created by Independent Third Party: Yes<br><b>Evaluation Reports</b><br>FL14444_R1_AE_Product Evaluation Report Drwg 11-249.pdf<br>Created by Independent Third Party: Yes |
| 14444.3  | 26'0" MAX. WIDE 20 GAGE SLAT ROLL UP DOOR | COLD FORMED SLATS INTERLOCKED TOGETHER AND RETAINED BY TRACKS TO PROVIDE HURRICANE PROTECTION AND ENTRANCE CLOSURE.  |
| <b>Limits of Use</b><br>Approved for use in HVHZ: Yes<br>Approved for use outside HVHZ: Yes<br>Impact Resistant: Yes<br>Design Pressure: +70/-70<br>Other: |   | <b>Installation Instructions</b><br>FL14444_R1_IL_Drwg 11-234.pdf<br>Verified By: Fenestration Testing Lab<br>Created by Independent Third Party: Yes<br><b>Evaluation Reports</b><br>FL14444_R1_AE_Product Evaluation Report Drwg 11-234.pdf<br>Created by Independent Third Party: Yes |

[Back](#) [Next](#)

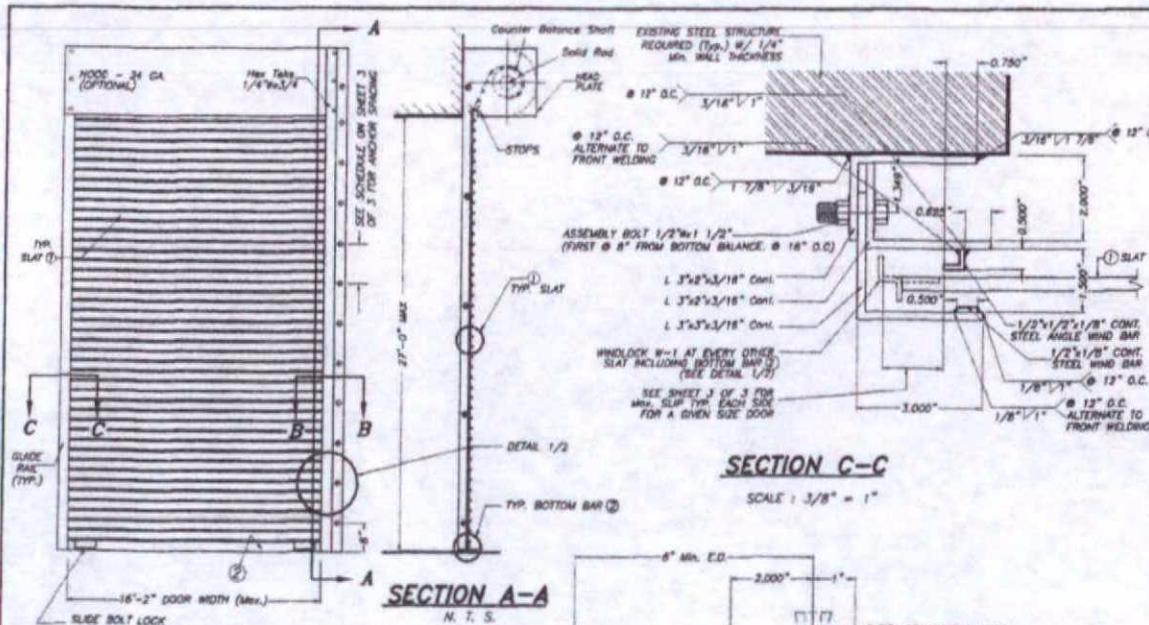
Contact Us :: 1960 North Monroe Street, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S., must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However, email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

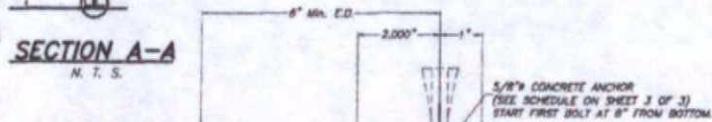
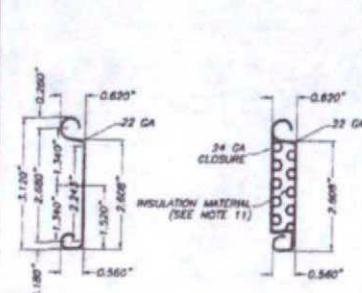
Product Approval Accepts:



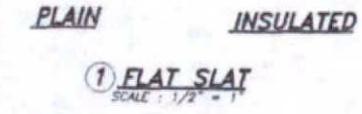


**SECTION C-C**  
SCALE: 3/8" = 1"

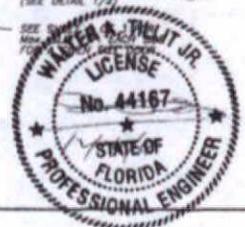
**TYPICAL DOOR ELEVATION**  
N. T. S.



**SECTION B-B**  
SCALE: 3/8" = 1"



- GENERAL NOTES:**
- ROLL-UP DOOR SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2010 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1820 OF THE ABOVE MENTIONED CODE. FOR A WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE THESE SHUTTERS WILL BE INSTALLED AND FOR A DIRECTIONALITY FACTOR  $K_d=0.85$ . USING ASCE 7-10 FOR INSTALLATIONS UNDER 2010 FBC AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS NOTE 1.
  - IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS NOTE 1.
  - ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1826 OF THE ABOVE MENTIONED CODE AS PER FENESTRATION TESTING LABORATORY, INC. REPORT # 5081, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.  
**MAX. A.S.D. DESIGN PRESSURE RATING: +65.0, -65.0 PSF**
  - SLAT TO BE A.S.T.M. A-653 OR 50 STRUCTURAL QUALITY STEEL WITH MIN  $F_y = 50.0$  ksi, AND G-90 GALVANIZING PER A.S.T.M. A-653, OR A.I.S.I. 304 SERIES STAINLESS STEEL MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF  $F_y = 50.0$  ksi
  - ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.
  - WINDLOCKS TO BE "MALLEABLE IRON"  $F_y = 42$  ksi OR A.I.S.I. DESIGNATION STEEL W/  $F_y = 40$  ksi, CHROME OR NICKEL PLATED.
  - ALL ASSEMBLY BOLTS TO BE S.A.E. GRADE 2 CADMIUM PLATED OR GALVANIZED STEEL.
  - STEEL WINDBARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION.
  - HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION G-90 FINISH TYPE COATING.
  - ALL RIVETS TO BE A.I.S.I. C1006 SPHEROIDIZED ANNEALED ALUMINUM LOW CARBON COLD HEADING QUALITY STEEL, ZINC PLATED, W/ 55.0 ksi. MINIMUM TENSILE STRENGTH, AS MANUFACTURED BY UNIVERSAL RIVET, INC.
  - CONCRETE ANCHORS TO BE AS MANUFACTURED BY HLT, INC AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
  - ALL WELDING TO CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS. USE AWS AS.1 OR AS.5 E60XX ELECTRODES MIN. 3/16" FILET SIZE.
  - INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY DYPLAST PRODUCTS LLC. W/ MIAMI DADE COUNTY PRODUCT APPROVAL.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT  $V_x$  AND  $V_y$  FORCES AT BOTH JAMBS. SEE SCHEDULE ON SHEET 3 OF 3, FOR  $V_x$  &  $V_y$  VALUES.
  - ROLL-UP MECHANISM NOT PART OF THIS APPROVAL.
  - (A) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D., (B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS P.E.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
  - (C) THIS P.E.D. WILL BE CONSIDERED INVALID IF MODIFIED.
  - (D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
  - (E) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
  - PRODUCTS MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT DOOR. ONE LABEL SHALL BE PLACED FOR EVERY OPENING, LABELING TO COMPLY WITH SECTION 1715.5.3.4 OF THE FLORIDA BUILDING CODE.



©2011 TILTECO, INC.

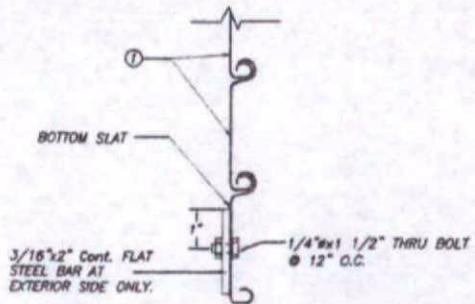
**TILTECO INC.**

TILT TESTING & ENGINEERING COMPANY  
6300 N.W. 26th St., Ste. 205, Orlando, Florida, 32818  
Phone: 1-202-841-1122 Fax: 1-202-841-1121  
e-mail: tilt@tilteco.com  
EB-0006719  
WALTER A. TILLET, P.E.  
FLORIDA Lic. # 44167

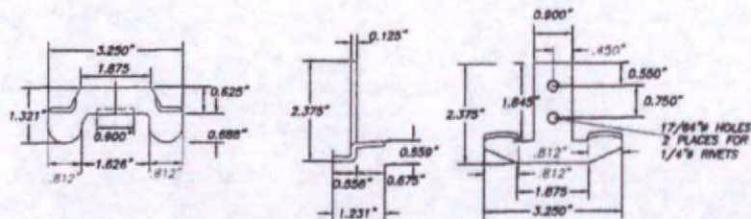
Florida Building Code (High Velocity Hurricane Zone)

|   |              |                        |
|---|--------------|------------------------|
| 16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR   |              | DESIGN BY<br>L.E./A.S. |
| ROLLING DOOR INDUSTRIES, LLC.<br>8214 NW 84 ST<br>MIAMI, FL 33148<br>Ph: 305-588-9177 FAX: 305-588-8978 |              | 12/18/11<br>DATE       |
|   |              | 11-249<br>DRAWING NO.  |
| REV. NO.  | DESCRIPTION  | DATE                   |
| 1   | REV. 10-2011 | 10/26/11               |
| 2   |              |                        |

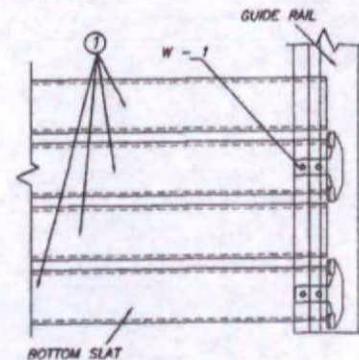
SHEET 1 OF 3



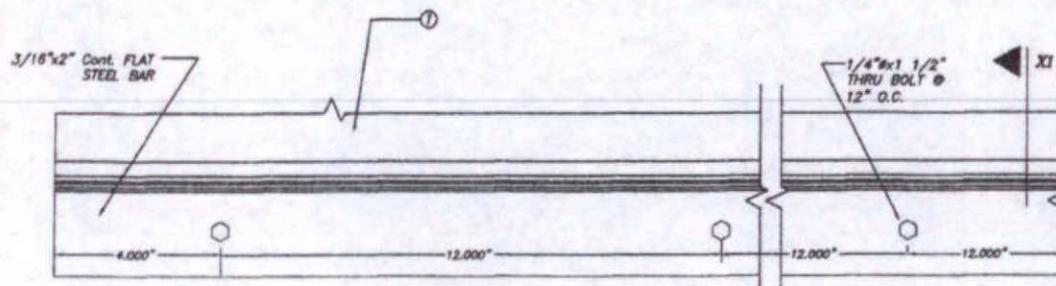
**SECTION XI**  
**② BOTTOM BAR DETAIL**  
 SCALE : 3/8" = 1"



**TYPICAL WINDLOCK W-1 DETAIL**  
 SCALE : 3/8" = 1"



**DETAIL I (elevation)**  
 N. T. S.



**ELEVATION**  
**BOTTOM BAR ②**  
 SCALE : 3/8" = 1"

*12/6/11*

Florida Building Code (High Velocity Hurricane Zone)

©2011 ILLICO, INC.

**ILLICO inc.**

ILLIY TESTING & ENGINEERING COMPANY  
 4300 S.W. 20th St. Fort Lauderdale, FL 33308  
 Phone: (754) 371-1130 Fax: (754) 371-1131  
 e-mail: illico@illico.com  
 ID-00007118

WALTER A. ILLIY, P.E.  
 FLORIDA Lic. # 44167

16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR

**ROLLING DOOR INDUSTRIES, LLC.**

8214 NW 84 ST  
 MIAMI, FL 33166  
 PH: 305-589-8977 FAX: 305-589-8978

DRWING BY  
 L.S./A.G.

12/16/11  
 DATE

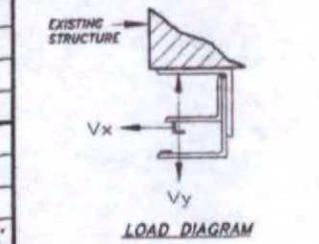
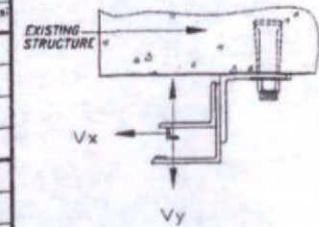
11-249  
 DRAWING No.

| REV. NO. | DESCRIPTION | DATE     | REV. BY | DESCRIPTION | DATE |
|----------|-------------|----------|---------|-------------|------|
| 1        | ISSUE       | 12/16/11 |         |             |      |
| 2        |             |          |         |             |      |

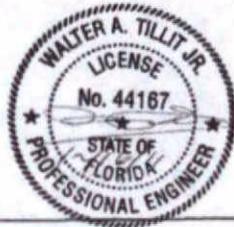
SHEET 2 OF 3

**Vx & Vy REACTIONS & ANCHOR SPACING SCHEDULE**

| MAXIMUM A.S.D. DESIGN PRESSURE RATING (PSF) | DOOR WIDTH (FT.) | SLIP (in) | Vx (Lb/Ft) | Vy (Lb/Ft) | MAX. ANCHOR SPACING TO POURED CONCRETE |                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |     |  |
|---|------------------|-----------|------------|------------|--|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|--|
|   |                  |           |            |            | A *                                    |                             |                  |                  | B *              |                  |                  |                  | C *              |                  |                  |                  | D *              |                  |     |  |
|   |                  |           |            |            | f'c = 2 ksi Min.                       | f'c = 3 ksi Min. OR GREATER | f'c = 2 ksi Min. | f'c = 3 ksi Min. | f'c = 4 ksi Min. | f'c = 8 ksi Min. | f'c = 2 ksi Min. | f'c = 3 ksi Min. | f'c = 4 ksi Min. | f'c = 6 ksi Min. | f'c = 2 ksi Min. | f'c = 3 ksi Min. | f'c = 4 ksi Min. | f'c = 8 ksi Min. |     |  |
| +50.0, -50.0                                | 10'-0"           | 7/32"     | 891        | 250        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              | 12"              |     |  |
|   | 12'-0"           | 3/8"      | 1051       | 300        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 11"              | 12"              | 12"              | 12"              | 12"              | 11"              | 12"              | 12"              | 12" |  |
|   | 14'-0"           | 5/8"      | 1125       | 350        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 10 1/2"          | 12"              | 12"              | 12"              | 10"              | 12"              | 12"              | 12"              | 12" |  |
|   | 16'-2"           | 1"        | 1179       | 404        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 9 1/2"           | 11 1/2"          | 12"              | 12"              | 9 1/2"           | 12"              | 12"              | 12"              | 12" |  |
| +55.0, -55.0                                | 10'-0"           | 7/32"     | 1017       | 275        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 11 1/2"          | 12"              | 12"              | 12"              | 11 1/2"          | 12"              | 12"              | 12"              | 12" |  |
|   | 12'-0"           | 3/8"      | 1180       | 330        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 10"              | 12"              | 12"              | 12"              | 10"              | 12"              | 12"              | 12"              | 12" |  |
|   | 14'-0"           | 5/8"      | 1254       | 385        | 12"                                    | 12"                         | 11 1/2"          | 12"              | 12"              | 12"              | 9"               | 11"              | 12"              | 12"              | 9"               | 11 1/2"          | 12"              | 12"              | 12" |  |
|   | 16'-2"           | 1"        | 1308       | 445        | 12"                                    | 12"                         | 11"              | 12"              | 12"              | 12"              | 8 1/2"           | 10 1/2"          | 12"              | 12"              | 8 1/2"           | 10 1/2"          | 12"              | 12"              | 12" |  |
| +60.0, -60.0                                | 10'-0"           | 7/32"     | 1141       | 300        | 12"                                    | 12"                         | 12"              | 12"              | 12"              | 12"              | 10 1/2"          | 12"              | 12"              | 12"              | 10 1/2"          | 12"              | 12"              | 12"              | 12" |  |
|   | 12'-0"           | 3/8"      | 1307       | 360        | 12"                                    | 12"                         | 11"              | 12"              | 12"              | 12"              | 9"               | 10 1/2"          | 12"              | 12"              | 9"               | 11"              | 12"              | 12"              | 12" |  |
|   | 14'-0"           | 5/8"      | 1381       | 420        | 11 1/2"                                | 12"                         | 10 1/2"          | 11 1/2"          | 12"              | 12"              | 8 1/2"           | 10"              | 11 1/2"          | 12"              | 8 1/2"           | 10 1/2"          | 12"              | 12"              | 12" |  |
|   | 16'-2"           | 1"        | 1436       | 485        | 11"                                    | 12"                         | 10"              | 11"              | 12"              | 12"              | 8"               | 9 1/2"           | 11"              | 12"              | 8"               | 9 1/2"           | 11 1/2"          | 12"              | 12" |  |
| +85.0, -85.0                                | 10'-0"           | 7/32"     | 1263       | 325        | 12"                                    | 12"                         | 11 1/2"          | 12"              | 12"              | 12"              | 9 1/2"           | 11"              | 12"              | 12"              | 9 1/2"           | 11 1/2"          | 12"              | 12"              | 12" |  |
|   | 12'-0"           | 3/8"      | 1432       | 390        | 11"                                    | 12"                         | 10"              | 11 1/2"          | 12"              | 12"              | 8"               | 9 1/2"           | 11 1/2"          | 12"              | 8"               | 10"              | 12"              | 12"              | 12" |  |
|   | 14'-0"           | 5/8"      | 1507       | 455        | 10 1/2"                                | 12"                         | 9 1/2"           | 10 1/2"          | 11 1/2"          | 12"              | 7' 0"            | 9"               | 10 1/2"          | 12"              | 7 1/2"           | 9 1/2"           | 11"              | 12"              | 12" |  |
|   | 16'-2"           | 1"        | 1562       | 525        | 10"                                    | 12"                         | 9"               | 10"              | 11"              | 12"              | 6 1/2' 0"        | 8 1/2"           | 10"              | 12"              | 7 1/2"           | 9"               | 10 1/2"          | 11 1/2"          | 12" |  |



- \*  
**A** - 5/8" HILTI KWIK BOLT TZ EXPANSION ANCHOR @ 10" Min. SPACING.  
**B** - 5/8" HILTI KWIK BOLT J EXPANSION ANCHOR @ 9" Min. SPACING. ONLY ALLOWED TO BE USED AT JURISDICTIONS WHERE COMPLIANCE W/ ACI 318-05 APPENDIX D IS NOT ENFORCED BY BUILDING OFFICIAL.  
**C** - 5/8" HILTI HUS-H SCREW ANCHOR @ 8" Min. SPACING EXCEPT WHERE Ø MARK 6 1/2" Min. SPACING IS ALLOWED.  
**D** - 5/8" POWER FASTENER WEDGE BOLT ANCHOR W/ 7 1/2" Min. SPACING.  
 ALL 3 ANCHORS W/ 4" MINIMUM EMBEDMENT, 6" MIN. EDGE DISTANCE & 5" MIN. WALL THICKNESS.



©2011 TILTECO, INC.  
**TILTECO INC.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 4300 N.W. 50th St., P.O. Box 1000, Miramar, FL 33166  
 Phone: (305) 897-1500 Fax: (305) 897-1501  
 e-mail: tte@tilteco.com  
 TB-0006719  
 WALTER A. TILLIT JR., P.E.  
 FLORIDA Lic. # 44167

Florida Building Code (High Velocity Hurricane Zone)

16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR

ROLLING DOOR INDUSTRIES, LLC.  
 2314 NW 89 ST  
 MIAMI, FL 33168  
 PH: 305-599-8977 FAX: 305-599-8978

DESIGN BY: L.G./A.E.  
 DATE: 12/16/11  
 DRAWING No: 11-249  
 SHEET 3 OF 3

| REV. | DESCRIPTION | DATE     | BY | CHECKED | DATE |
|------|-------------|----------|----|---------|------|
| 1    | ISSUE       | 12/16/11 |    |         |      |
| 2    |             |          |    |         |      |