

**CITY OF MARATHON, FLORIDA
RESOLUTION 2016-19**

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MARATHON, FLORIDA, APPROVING CHANGE ORDER NO. 5 TO CONTRACT BETWEEN THE CITY AND PEDRO FALCON ELECTRICAL CONTRACTORS IN THE ORIGINAL AMOUNT OF \$4,376,514.00 FOR THE CONSTRUCTION OF CITY HALL AND COUNCIL CHAMBERS; INCREASING THE CONTRACT IN AN AMOUNT NOT TO EXCEED \$285,000.00 FOR MODIFICATIONS TO THE FLOOR PLAN, FLOORING, SECURITY COMPONENTS, AND VARIOUS OTHER ITEMS; EXTENDING THE SUBSTANTIAL COMPLETION DATE 90 DAYS; AUTHORIZING THE CITY MANAGER TO EXECUTE THE CHANGE ORDER AND EXPEND BUDGETED FUNDS ON BEHALF OF THE CITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Marathon, Florida (The “City”) entered into contract with Pedro Falcon Electrical Contractor, Inc. on October 29, 2014, to construct City Hall (the “Project”); and

WHEREAS, a change order is required due to several design changes and building enhancements have been incorporated into the building design and layout to insure the facility will meet the City’s needs for both the short term and long term use;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MARATHON, FLORIDA, THAT:

Section 1. The above recitals are true and correct and are incorporated herein.

Section 2. The City Council hereby approves entering into Change Order #5 with Falcon Electrical Contractor, Inc., a copy of which is attached hereto as Exhibit A, for additional work on the Project in an amount not to exceed \$285,000.00 and extends the substantial completion date 90 days.

Section 3. The City Council authorizes the City Manager to execute Change Order #5 on behalf of the City and expend budgeted funds.

Section 4. This resolution shall be effective upon adoption.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF MARATHON, FLORIDA, THIS 9TH DAY OF FEBRUARY, 2016.

THE CITY OF MARATHON, FLORIDA



Mark Senmartin, Mayor

AYES: Bartus, Coldiron, Kelly, Zieg, Senmartin
NOES: None
ABSENT: None
ABSTAIN: None

ATTEST:



Diane Clavier, City Clerk

(City Seal)

APPROVED AS TO FORM AND LEGALITY FOR THE USE AND RELIANCE OF THE CITY OF MARATHON, FLORIDA ONLY:



David Migut, City Attorney

CHANGE ORDER # 5

TO: City of Marathon
PROJECT: City of Marathon City Hall Project
ENGINEER: WP Horn, K2M
CONTRACTOR: Pedro Falcon Electrical Contractor, Inc.
DATE: February 2, 2016

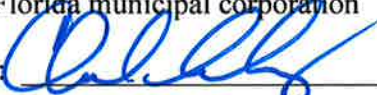
This Change Order will authorize the following change to the Agreement:

The Work as set forth in the Agreement is hereby amended to include the items set forth in Exhibits "B" attached hereto and by this reference made a part hereof.

This Change Order constitutes full, final, and complete compensation to **Pedro Falcon Electrical Contractor, Inc.** for all costs, expenses, overhead, and profit, and any damages of every kind that **Pedro Falcon Electrical Contractor, Inc.** may incur in connection with the above referenced changes in the Construction Work under this Agreement. **Pedro Falcon Electrical Contractor, Inc.** acknowledges and agrees that (a) the Guaranteed Maximum Price of \$4,512,092.64 under the Agreement will be **changed** by this Change Order. **Pedro Falcon Electrical Contractor, Inc.** expressly waives any claims for any additional compensation, damages or time extensions in connection with the above-referenced changes. Except as herein or heretofore expressly modified, all terms of the Agreement shall remain in full force and effect and shall cover the performance of, and payment for, any work authorized hereunder. Any defined terms not defined in this Change Order shall have the meanings set forth in the Agreement.

By signing below the parties indicate acceptance of this Change Order as set forth herein.

CITY OF MARATHON
A Florida municipal corporation

By: 

Name: Charles Lindsey

Title: Safety Manager

Pedro Falcon Electrical Contractor, Inc.

By: 

Name: CHRISTIAN BRISSON

Title: PRESIDENT

Exhibit "A"

CHANGE ORDER SUMMARY

Change Order No. 5
Project Title **City of Marathon City Hall Project**
Bid No. N/A
Owner: City of Marathon
Contractor: **Pedro Falcon Electrical Contractor, Inc.**
Agreement Date: October 29 2014

This Change Order is necessary to cover changes in the work to be performed under this Agreement. The GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, and STANDARD SPECIFICATIONS apply to and govern all work under this Change Order.

THE FOLLOWING CHANGES ARE MADE TO THE CONTRACT DOCUMENTS:

(1)	Original Contract Price	<u>\$4,376,514.00</u>
(2)	Current Contract Price (Adjusted by Previous C.O.)	<u>\$4,512,092.64</u>
(3)	Total Proposed Change in Contract Price	<u>\$ 253,674.05</u>
(4)	New Contract Price (Item 2 + Item 3)	<u>\$4,765,766.69</u>
(5)	Original Contract Time	<u>365 Days</u>
(6)	Proposed Change in Contract Time	<u>90 Days</u>
(6)	Current Contract Time (Adjusted by Previous C.O.)	<u>405 Days</u>
(7)	Total Proposed Change in Contract Time	<u>130 Days</u>
(8)	New Contract Time (Item 6 + Item 7)	<u>495 Days</u>
(9)	Original Contract Final Completion Date	<u>January 1, 2016</u>
(10)	New Contract Final Completion Date	<u>May 10, 2016</u>

**CITY OF MARATHON CITY HALL PROJECT CHANGE ORDER
HISTORY**

Item No.	Description	Current Contract Amount	Additive Change	Deductive Change	Net Change Contract Price	Net Change Contract Time
1.		<u>\$4,376,514.00</u>	<u>\$20,957.07</u>	\$0	<u>\$20,957.07</u>	0 Days
2		\$4,397,471.07	\$29,762.72		\$29,762.72	
3		\$4,427,233.79	\$11,649.02		\$11,649.02	
4		4,438,882.81	\$97,304.41	\$24,094.58	\$73,209.83	40 days
5		\$4,512,092.64	\$382,713.09	\$129,039.04	\$253,674.05	90 Days
Total		\$4,765,766.69	\$453,541.31	\$153,133.62	\$390,407.69	130 Days

Exhibit "B"

CHANGE ORDER JUSTIFICATION

The change order is at the request of the City to modify the floor plan, flooring, A/V system, HVAC system, exterior access, future accommodation for solar and charging station in the parking area, and other items which are itemized on the attached contractor's submittal. The major changes are described in more detail as follows:

Floor Plan Changes: The floor plan was modified to add additional offices, technical support space and storage with the accompanying electrical, data, and other components required for daily office use.

Flooring: At the request of the City, the flooring in the foyer is changed to Terrazzo Floor, which will display the City Seal at both entrances and a compass at the center of the foyer. Other changes include changes of flooring types in the offices and other work area.

HVAC System: The system is modified to eliminate various roof penetrations in particularly on the north side of the building facing US 1. The cost is for additional duct work and louvers to maintain an aesthetic appearance.

Site Work: Additional storm conduit is added to the roof down spout to eliminate the potential for erosion of the roof runoff along the steep slopes adjacent to the building. This cost is mostly offset by the elimination of curbing along the outside perimeter of the parking area.

Exterior Access Doors: Several door and hardware are revised for security reason with electronic hardware to encompass a fully automated security and access system to the facility.

Sustainability: Additional underground conduits are being installed for future charging station and possible solar panel on covered parking. The conduits are installed to eliminate costly restoration in the future if and when these amenities are developed.



Pedro Falcon Contractors, Inc.

General Contracting

31160 Avenue C, Big Pine Key, FL 33043-4516
(305) 872-2200 • Fax (305) 872-2219 • falconel@bellsouth.net
CGC1507617

Request for Change Order **Revised 22 February 2016**

Project: Marathon City Hall

Change Order Request No: PCO - 018

Description: Owner Requested Changes

Wall Revisions Thru Revision 11

Add 24 LF Metal Wall Framing – Material.....	\$90.30
Add 24 LF Metal Wall Framing – Labor.....	\$241.50
Add 24 LF Drywall Each Side – Material.....	\$387.00
Add 24 LF Drywall Each Side – Labor.....	\$579.60
Electrical Outlets Modifications – Materials.....	\$215.00
Electrical Outlets Modifications – Materials.....	\$772.80
Add 24 LF Wall Insulation – Materials.....	\$92.88
Add 24 LF Wall Insulation – Labor.....	\$193.20
Add 24 LF Wall Paint – Material.....	\$258.00
Add 24 LF Wall Paint – Labor.....	\$386.40
Add 24 LF Wall Base – Material.....	\$38.70
Add 24 LF Wall Base – Labor.....	\$96.60
Acoustical Ceilings.....	\$0.00
Delete Countertop in Layout 103.....	<\$1,750.00>
Additional Insulation at IT Room – Material.....	\$871.83
Additional Insulation at IT Room – Labor.....	\$966.00
Three Additional Data in Walls (pipe) - Materials.....	\$60.83
Three Additional Data in Walls (pipe) – Labor.....	\$338.10
Three Additional Data Drops (wire/outlet) – Subcontractor.....	\$1,176.00

Add Power Pole/Data @ Entry 3.....	\$1,208.40
Add Main Hallway Receptacles - Materials.....	\$239.79
Add Main Hallway Receptacles – Labor.....	\$1,400.70
Delete Panel Door in Rm 113/114.....	<\$4,450.00>
Transaction Window.....	\$1,570.00

SUBTOTAL.....\$4,983.63

Flooring Revisions Thru Revision 11

Credit Bath Floor Tile – 564 SF @ \$9.75.....	<\$5,499.00>
Credit Wood Flooring – 205 SF @ \$17.....	<\$3,485.00>
Credit Stain – 1,697 SF @ \$1.57.....	<\$2,664.29>
Credit Alt 6 Tile Floor – 7,621 SF @ \$9.75.....	<\$74,304.75>

Wood Floor Unchanged 1,400 SF.....	\$0.00
Stain Unchanged 657 SF.....	\$0.00
Private Restroom Tile Floor Unchanged 174 SF.....	\$0.00
Carpet Council/Conference Unchanged – 2,537 SF.....	\$0.00
Sealed Concrete 212 SF.....	\$0.00

Add Terrazzo 2,381 SF	
Includes City seal (2) and (1) Compass.....	\$63,425.00
Add New Floor Tile – 2,806 SF @ \$17.05.....	\$47,842.30
Add Carpet – 4,900 SF @ \$8.22.....	\$40,278.00
Add VCT to IT Room.....	\$500.00

SUBTOTAL.....\$66,092.26

Access Control/Storefront Thru Revision 11

Delete S5.....	<\$5,796.00>
Delete S7.....	<\$1,656.00>
Add T1/T2 - Materials.....	\$20,826.87
Add T1/T2 – Freight.....	\$537.50
Add T1/T2 – Labor.....	\$1,159.20
Revise S1 Hardware.....	\$7,476.00
Delete Storefront/Door 101.....	<\$2,236.00>
Glaze Lights T1/T2.....	\$1,950.00

Fur Out S1 Entry 2 – Materials.....	\$215.00
Fur Out S1 Entry 2 – Labor.....	\$772.80
SUBTOTAL.....	\$23,249.37

**AV Revisions Per Meeting Minutes &
AV in Paradise Revised Proposal**

Assisted Listening System.....	\$4,298.93
AT-UHD PRO3 88M.....	\$7,523.93
Altona A/V baluns	
AT-UHD EX100-CE-RX (for 6 Tv's).....	\$2,444.55
Extron Sharelink Wireless Gateway	
For BYOD Collaboration & Presentation.....	\$1,816.75
2" Conduit Under Stage – Material.....	\$193.50
2" Conduit Under Stage – Labor.....	\$772.80
SUBTOTAL.....	\$17,050.46

Future Conduit for Charging Stations

Approx. 350 LF Conduit with Pull Boxes.....	\$13,045.00
SUBTOTAL.....	\$13,045.00

Reduce Cameras

Original Cost.....	<\$14,298.00>
Revised Cost.....	\$11,893.00
SUBTOTAL.....	<2,405.00>

General Conditions

3 Months at \$15,500.00.....\$46,500.00
SUBTOTAL.....\$46,500.00

SUBTOTAL ALL OF THE ABOVE.....\$168,515.72

Overhead @ 10%.....\$16,851.57

Subtotal.....\$185,367.29

Profit @ 5%.....\$9,268.36

Subtotal.....\$194,635.65

Builders Risk Insurance Extension

Direct Cost 6 Month Extension.....\$26,266.51

SUBTOTAL.....\$26,266.51

SUBTOTAL.....\$220,902.16

Payment & Performance Bond @ 1%.....\$2,209.02

SUBTOTAL.....\$223,111.18

Exterior Stairs – Unit Cost Per Alternate (including OH & P, Bond, Etc.)

Additional Fill 122.03 CY @ \$43.12.....\$5,261.93

SUBTOTAL.....\$5,261.93

Pedro Falcon Contractors, Inc. originally submitted a time extension request of 120 calendar days for the multiple Owner Requested modifications. The City of Marathon has requested that this schedule be compressed to 90 calendar days. As a condition of this attempt to compress the schedule, liquidated damages for failure to meet the 90 calendar day schedule are hereby and forever waived by the City of Marathon, for this project as a condition of this Change Order Request. This clause has a zero dollar value.

TOTAL ALL OF THE ABOVE:.....\$228,373.11

Net Amount of Request for Change Order:.....\$228,373.11

Additional Time Requested for Change:

- A. If Modification is issued within (3) Three Calendar Days from the Date of the Request for Change Order then a (90) Ninety Calendar Day Time Extension is requested.

- B. If Modification is to be issued later than (3) Three Calendar Days from the Date of the Request for Change Order then both the time extension and cost proposal will need to be evaluated at that time, this proposal may be withdrawn, and a modified proposal may be submitted reflecting required time extension and cost increase for any and all items affecting the delay. Any additional costs will be added to the requested modification costs above.

This proposal only encompasses the item(s) specifically outlined above and does not include any other items, whether stated or inferred, in any other documents. The terms set forth in this proposal shall have precedence over any other agreement and this proposal shall be included in any modification agreement.

Noteworthy Items That Are Specifically Not Included At This Time and are Pending Receipt of Additional Information Needed to Evaluate Cost:

- **Revisions to Interior Doors Other Than Noted as Included Above Including Access Control Requirements at 102A, 149A & 149B**
- **Generator Tank Revisions**
- **Sprinkler Revision Under Stairs Per Fire Marshal**
- **All Revisions Associated with Adding Stove in Breakroom**
- **Signage Affected by Room Revisions**

Respectfully Submitted,



Ken Bygler
Project Manager

Universal Cabling Systems, Inc.



014 Fern Street
West Palm Beach,
FL 33401

Phone (561) 659-6224
Fax (561) 659-6308
Email: info@ucscable.com

Proposal

Customer Name / Address
Pedro Falcon Electrical 31160 Avenue "C" Big Pine Key, Florida 33043-4516

Date	Proposal #
1/20/2016	R5445-RVSD

Project		Estimator	
Marathon City Hall - CO Revision 7-11		RV	
Description	Qty	Cost	Total
<p>Attention: Ken</p> <p>Ref: Marathon City Hall - Change Order Revision 7-11- REVISED</p> <p>Universal Cabling Systems, Inc. will provide labor and materials for the following structured cabling scope of work:</p> <p>1. Supply and installation of (6) CAT6 CMP cables, including faceplates, CAT6 jacks, and patch panel.</p> <p>NOTE: All conduit, stub-ups, and back boxes to be done by others.</p> <p>2. All testing and labeling will be performed by Universal Cabling Systems, Inc., along with a 1 year warranty on work performed, and as-built drawings.</p>			
Total Cost	1	1,176.00	1,176.00
<p>This Proposal is valid for (30) days from this date: 1/20/2016 All drawings, specifications and related documents are the copyright property of the Contractor and must be returned upon request. Reproduction of drawings, specifications, and related documents in part or whole is forbidden without the Contractor's written permission.</p>		<p>Total \$1,176.00</p>	



ACOUSTI
ENGINEERING
COMPANY OF FLORIDA
www.acousti.com

11700 N.W. 101st Rd., Suite 1
Miami, FL 33178
Ph. (305) 887-1007
Fx. (305) 884-4175

- INTERIOR CONSTRUCTION SYSTEMS -
CEILINGS WALLS FLOORS

To: Pedro Falcon Contractors, Inc.
Phone: 305-872-2200
Email: kenb@pedrofalcon.com

Date: September 21, 2015
Project: Marathon City Hall
Location: Marathon, FL 33050

Attention: Ken Bygler

Subject: DELETED-Panelfold Operable Wall @ Meeting Room 113 (Door #114B)

This is a **CHANGE ORDER** to "CREDIT" LABOR & MATERIAL for the above named project as herein described, per your request and conditions herein.

ACTION REQUIRED

DELETED-Panelfold Operable Wall @ Meeting Room 113 - Door #114B

CREDIT:\$4,450.00

ACCEPTANCE

This proposal is subject to final approval by an authorized agent or officer of Acousti Engineering Company of Florida following acceptance by purchaser. Only when so accepted and finally approved shall this proposal constitute a contract between us.

ACCEPTED:

APPROVED:

Name of Company

Acousti Engineering Company of Florida

Signature & Title

Signature & Title

Date

Date

Respectfully submitted
Acousti Engineering Company of Florida

Aldo Goicoechea | Project Manager

ORLANDO, FL • WEST PALM BEACH, FL • MIAMI, FL • FT. LAUDERDALE, FL • PENSACOLA, FL • GAINESVILLE, FL • TAMPA, FL
• CHARLOTTE, NC • JACKSONVILLE, FL • COCOA, FL • FT. MYERS, FL • RALEIGH, NC • HOUSTON, TX • RICHMOND, VA •
CLERMONT, FL • NASHVILLE, TN • ATLANTA, GA • DAPHNE, AL • TALLAHASSEE, FL • VENICE, FL



ACOUSTI
ENGINEERING
COMPANY OF FLORIDA
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- INTERIOR CONSTRUCTION SYSTEMS -
CEILINGS WALLS FLOORS

11700 N.W. 101st Rd., Suite 1
Miami, FL 33178
Ph. (305) 887-1007
Fx. (305) 884-4175

To: Pedro Falcon Contractors, Inc.
31160 Ave C
Big Pine Key, FL 33043

Date: 2-3-16
Project: Marathon City Hall
Location: Marathon FL
Architect: William Horn

Attention: Ken Bygler

Subject: Marathon City Hall

This is a proposal to furnish all materials and labor for the above named project as herein described, per your request and conditions herein.

This proposal includes work described in the following reviewed Specifications:

- ***Carpet Tile. Vinyl Tile, Rubber Base \$68,050.00***

Scopes, terms, conditions and qualifications as specifically outlined in the Acousti Engineering Company of Florida proposal incorporate all conditions of said proposal, with the clear understanding that they are part of the Agreement.

Purchaser's acceptance of the intent of this proposal whether by this form or otherwise, incorporates all conditions of this proposal shown. All subject to purchaser's acceptance by an authorized officer or agent, within twenty (20) days from date hereof.

Respectfully submitted
Acousti Engineering Company of Florida

Charles Bourland – Sr. Project Manager

*If your contract form is not required
kindly sign and date this proposal (below)
to signify acceptance. Thank you.*

ORLANDO, FL • WEST PALM BEACH, FL • MIAMI, FL • FT. LAUDERDALE, FL • PENSACOLA, FL • GAINESVILLE, FL • TAMPA, FL
• CHARLOTTE, NC • JACKSONVILLE, FL • COCOA, FL • FT. MYERS, FL • RALEIGH, NC • HOUSTON, TX • RICHMOND, VA •
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- INTERIOR CONSTRUCTION SYSTEMS -
CEILINGS WALLS FLOORS

11700 N.W. 101 Rd., Suite 1
Miami, FL 33178
Ph. (305) 887-1007
Fx. (305) 884-4175

QUALIFICATIONS

Marathon City Hall

General Conditions:

- a. No demolition work is included in this proposal.
- b. Dumpsters are to be provided by others for disposal of daily project debris.
- c. Protection for finished flooring work is not included in the proposal.
- d. Repair of damage to our finished work, caused by others, is not included.
- e. We include all delivery and travel expenses.
- f. Drawings by ___William Horn_____ dated ___9-5-14_____
- g. Specifications by ___Plan Page ID-616_ dated ___9-15-14_____
- h. Addenda _____1-11_____ acknowledged.

Carpet Tile, Vinyl Tile, Rubber Base

- a. Carpet tile- CPT-1 Glimmer 24" x 24", SGR41 Aqua. CPT-2 Glow 12" x 36" SGL41 Aqua
- b. Rubber Base is to be Johnsonite Millwork Reveal 8" Color 194 & 09
- c. We include floating slab at Carpet/Ceramic transitions. All other slab work is minor prep only. Grinding, leveling or skim coats are not included.
- d. Vinyl Tile and 4" rubber base in Room 202 only. Wash and wax is not included.

Stair Treads - Alternate

- e. Treads and matching risers to be Armstrong Raised Square Dot as requested. Color TBD
- f. We do not include stringers labor or materials.
- g. Based on minor patch only. Leveling or height corrections will require compensation.

End of Qualifications

ORLANDO, FL • WEST PALM BEACH, FL • MIAMI, FL • FT. LAUDERDALE, FL • PENSACOLA, FL • GAINESVILLE, FL • TAMPA, FL
• CHARLOTTE, NC • JACKSONVILLE, FL • COCOA, FL • FT. MYERS, FL • RALEIGH, NC • HOUSTON, TX • RICHMOND, VA •
CLERMONT, FL • NASHVILLE, TN • ATLANTA, GA • DAPHNE, AL • TALLAHASSEE, FL • VENICE, FL

IVAN STONE CREATIONS

6465 Overseas Hwy
 Marathon Fl 33050
 Phone: 305-743-5562
 Fax: 305-743-5572
 Email: ivantile@comcast.net

Estimate

Date	Estima...
1/14/2016	85998

Name / Address
PEDRO FALCON CONTRACTORS 31160 Ave C BIG PINE

Ship To
PEDRO FALCON CONTRACTORS 31160 Ave C BIG PINE

Special Orders can not be returned

Terms	Project

Item	Description	Qty	Rate	Total
<i>Beth</i>	Miscellane... CITY OF MARATHON Trinity Palais Lumiere 4 x 12 glossy wall tile 1 for (unisex, woman, men room walls) according to planning design	704	5.88	4,139.52T
<i>Beth</i>	Miscellane... Trinity Palais Bronzage 4 x 12 glossy wall tile 2 Bullnose for bathroom walls	240	6.60	1,584.00T
<i>Beth</i>	Miscellane... Trinity Palais Cafe matte Cove Base 6 x 12 Base3	160	12.58	2,012.80T
	Miscellane... Trinity Palais Cafe Matte 12 x 24 Floor tile	3,787	3.45	13,065.15T
	Miscellane... Trinity Palais Cafe Matte 24 x 24 for Bathroom floor	160	4.30	688.00T
<i>Beth</i>	Miscellane... Decorative wall tile 2 Bronzage 4 x 12 Glossy Breakroom, conference room, Lobby wall, breakroom backsplash, cultural room backsplash.	215	5.88	1,264.20T
	Miscellane... Laticrete Blue 92Anti-fracture two-part crack isolation	14	488.13	6,833.82T
<i>Beth</i>	Miscellane... Laticrete 252 Multipurpose thinset	118	16.09	1,898.62T
<i>Beth</i>	Miscellane... Mastik 440 for wall	20	34.17	683.40T
<i>Beth</i>	Miscellane... Sand mix	120	8.00	960.00T
<i>Beth</i>	Miscellane... Grout Sahara beige # 11 for Cove base, Bullnose area, Bathroom floor,	3	16.82	50.46T
<i>Beth</i>	Miscellane... Grout Frost # 77 for bathroom walls	4	16.82	67.28T
	Miscellane... Laticrete spectralock Epoxy Grout commercial unit cover 580 sq ft	6	273.41	1,640.46T
	Delivery Delivery Service. From Orlando Fl to Marathon Fl	1	1,780.00	1,780.00

Buyer acknowledges that stone is a natural substance, formed within the earth, and that different types of stone, as well as individual stones within any given type, may vary in texture, color, thickness, density.

Subtotal	\$36,667.71
Sales Tax (7.5%)	\$2,616.58
Total	\$39,284.29

IVAN TILE, INC.

6465 Overseas Hwy Suite #1
Marathon, FL 33050
305-743-5562

E-mail ivantile@comcast.net

Estimate

Date	Estima...
1/12/2016	891

Name / Address
PEDRO FALCON 31160 Ave C BIG PINE FL 33043

Ship To
PEDRO FALCON 31160 Ave C BIG PINE, FL 33043

Item	Description	Qty	Amount	Total
Installation	Installation of Anti-fracture Laticrete Blue 92 two partscrack isolation, this price included clean floor with special machine and install that two parts in according to specifications.	1	3,600.00	3600.00
Installation	Leveling, preparing floor to layout tile, installation tile on floor with porcelain 12 x 24 Brick Pattern included epoxy grout labor spectra luck , according to specifications.	1	23,438.00	23438.00
Installation	Installation of 24x24 diagonal pattern on bath floor included floating, preparing floor make ready to install anti fracture, tile and epoxy grout .	1	1,450.00	1450.00
Installation	Installation of tile in walls of men's, women's, unisex, Bath, lobby, cultural room, copy room , breakroom according to plans designs installations and SQ FT	1	11,500.00	11500.00
The above estimated amount does not include any permit fees, permit fes to be reimbursed to contractor			Total	

Signature _____

IVAN TILE, INC.

6465 Overseas Hwy Suite #1
Marathon, FL 33050
305-743-5562

E-mail ivantile@comcast.net

Estimate

Date	Estima...
1/12/2016	891

Name / Address
PEDRO FALCON 31160 Ave C BIG PINE FL 33043

Ship To
PEDRO FALCON 31160 Ave C BIG PINE, FL 33043

Item	Description	Qty	Amount	Total
	Note: The epoxy grout color for to the entire floor must be change for another color Laticrete not have Sahara Beige # 11.			
The above estimated amount does not include any permit fees, permit fes to be reimbursed to contractor			Total	\$39,988.00

Signature _____



Horizon Surface Systems

CBC058989

P.O. Box 2046

310 Scarlet Blvd.

Oldsmar, Florida 34677-3018

Ph: 813-854-3231

Fax: 813-855-2349

www.horizonsurfacesystems.com

Revised Project Pricing

TO: Ken Bygler

Company: Pedro Falcon

Phone: 305-872-2200

Email:

Project: Marathon City Hall

Project Site: Marathon FL

FROM: Ed Carnegie

Date: 1/20/2016

Bid Date: NA

Section: N/A

Description: Terrazzo

Please accept our bid to perform the following scope of work:

Prepare substrate and install 3/8" Plastic Matrix Terrazzo according to Manufacture Base Bid: specification and NTMA Guidelines using standard domestic marble chip approximately 2230 s/f Including (2) 3' Inlays.....	\$ 51,750
Alt 1: Install 1 1/2" of fill material in restroom area approximately 530 sf	\$ 2,750
Alt 2: Add Terazzo Flooring to Room 102 approximately 250 sf.....	\$ 4,975

INCLUSIONS (Horizon Surface Systems' Responsibilities)

- Supply necessary product, equipment and trained applicators.
- Field measure project and review scope with Company Representative.
- Call in any changes in job for price adjustment.

(This is a bid only. Work will be performed with the issuance of a P.O. or Contract.)

- **Bonding and/or additional insurance (i.e., above \$2million) NOT included unless specifically stated.**
- **Quoted prices guaranteed for 30 days.**
- **This company is a Drug-Free Workplace.**

Revision Proposal Through Revision 11

Ace Aluminum And Glass, Corp

7747 SW 86 St. D-412
Miami, FL 33143
(305)381-2806
acewindow@gmail.com



INVOICE

BILL TO
Nicholas Brisson
Pedro Falcon Contractors Inc.
31160 Avenue C
Big Pine Key, FL 33043

SHIP TO
Nicholas Brisson
Pedro Falcon Contractors Inc.
31160 Avenue C
Big Pine Key, FL 33043

INVOICE # 1030
DATE 11/16/2015
DUE DATE 11/16/2015

ACTIVITY	DATE	QUANTITY	RATE	AMOUNT
Impact Window 3'-0" X 6'-0" NEW IMPACT WINDOW SYSTEM /ANODIZED COLOR WITH A 7/16" CLEAR IMPACT GLASS LARGE MISSILE *DONE	09/17/2015	26	1,340.00	34,840.00
			<i>No Change</i>	
Impact system ESTIMATE TO ORDER A NEW IMPACT STORE FRONT WINDOW AND DOOR, PLUS IMPACT WINDOW.	11/16/2015	1	0.00	0.00
			<i>No Change</i>	
Specs 13'-3" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS. WITH A DOUBLE DOOR INCLUDING A COMPLETE HARDWARE. S-1	11/16/2015	2	9,884.00	19,768.00
			<i>Add \$ 4,176.00</i>	
Specs 8'-8" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-2	11/16/2015	1	3,726.00	3,726.00
			<i>No Change</i>	
Specs 8'-0" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-3	11/16/2015	4	3,726.00	14,904.00
			<i>No Change</i>	
Specs 17'-4" X 8'-8" STORE FRONT INTERIOR WINDOW W/ A DOUBLE DOOR FRAME W/ 1/4" TEMPERED SAFETY GLASS. #101 *CREDIT	11/16/2015	1	0.00	0.00
			<i>Deduct \$ 2,236.00</i>	
Specs 6'-5" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-5 *CREDIT	11/16/2015	2	0.00	0.00
			<i>Deduct \$ 5,796.00</i>	
Specs 2'-8" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-6	11/16/2015	2	1,525.00	3,050.00
			<i>No change</i>	
Specs 3'-5" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-7 *CREDIT	11/16/2015	1	0.00	0.00
			<i>Deduct \$ 1656.00</i>	
Deposit 50% DEPOSIT REQUIRE WHEN CONTRACT IS SIGN, 30% WHEN IS DELIVERED AND 20% WHEN THE JOB IS COMPLETE.	11/16/2015	1	0.00	0.00
			<i>No Change</i>	

ACTIVITY	DATE	QUANTITY	RATE	AMOUNT
Note. TOTAL INCLUDES MATERIALS AND INSTALLATION. EXCLUSION: ANY PAINT, WOOD OR PLASTER WORK, STEEL, BRAKE METAL, PERMIT OR ANYTHING NOT MENTIONED ON ABOVE PROPOSAL.	11/16/2015	1	0.00	0.00
Project CITY HALL (MARATHON KEY)	11/16/2015	1	0.00	0.00
Specs 9/16" CLEAR IMPACT GLASS FOR TRANSOM FRAME AND GLASS DOOR T1 & T2	11/16/2015	1	1,950.00	1,950.00T
Hardware Additional for electric system for panic hardware Approved by Ken Bygler : Dor-o-Matic EL 1490 electric panic	11/16/2015	2	1,650.00	3,300.00T

no change

Added \$1,950.00

Added \$3,300.00

Hardware Revised for S-1 to work with specs.

Thank's for your Business.

SUBTOTAL		81,538.00
TAX (7%)	<i>Included</i>	367.50
TOTAL		81,905.50
DEPOSIT		31,771.56
BALANCE DUE		\$50,133.94

Original Contract Cost: \$81,800.00
Revised Contract Cost: \$81,538.00

CO Amount: < 262.00 >

7747 SW 86 St. D-412
 Miami, FL 33143
 (305)381-2806
 acewindow@gmail.com

Original Proposal

ADDRESS
 Nicholas Brisson
 Pedro Falcon Contractors Inc.
 31160 Avenue C
 Big Pine Key, Fl 33043

ESTIMATE # 1038
 DATE 03/02/2015
 EXPIRATION DATE 04/02/2015

ACTIVITY	QUANTITY	RATE	AMOUNT
Impact system ESTIMATE TO ORDER A NEW IMPACT STORE FRONT WINDOW AND DOOR, PLUS IMPACT WINDOW.	1	0.00	0.00
Impact Window 3'-0" X 6'-0" NEW IMPACT WINDOW SYSTEM /ANODIZED COLOR WITH A 7/16" CLEAR IMPACT GLASS. LARGE MISSILE CGI #NOA 13-0606.05	26	1,340.00	34,840.00
Specs 13'-3" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS. WITH A DOUBLE DOOR INCLUDING A COMPLETE HARDWARE. S-1	2	7,796.00	15,592.00
Specs 8'-8" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-2	1	3,726.00	3,726.00
Specs 8'-0" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-3	4	3,726.00	14,904.00
Specs 17'-4" X 8'-8" STORE FRONT INTERIOR WINDOW W/ A DOUBLE DOOR FRAME W/ 1/4" TEMPERED SAFETY GLASS. #101	1	2,236.00	2,236.00
Specs 6'-5" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-5	2	2,898.00	5,796.00
Specs 2'-8" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS S-6	2	1,525.00	3,050.00
Specs 3'-5" X 8'-8" STORE FRONT WINDOW SYSTEM W/ A 9/16" CLEAR IMPACT LAMINATED GLASS	1	1,656.00	1,656.00

ACTIVITY	QUANTITY	RATE	AMOUNT
Deposit 50% DEPOSIT REQUIRE WHEN CONTRACT IS SIGN, 30% WHEN IS DELIVERED AND 20% WHEN THE JOB IS COMPLETE.	1	0.00	0.00
Note. TOTAL INCLUDES MATERIALS AND INSTALLATION. EXCLUSION: ANY PAINT , WOOD OR PLASTER WORK, STEEL, BRAKE METAL, PERMIT OR ANYTHING NOT MENTIONED ON ABOVE PROPOSAL.	1	0.00	0.00
Project CITY HALL (MARATHON KEY)	1	0.00	0.00

Thank's for your Business.

TOTAL

\$81,800.00

Accepted By

Accepted Date

NEXT DOOR DISTRIBUTION LLC

Where customer partnering is our promise



POTENTIAL CHANGE ORDER

TRANSMITTED VIA EMAIL

Pedro Falcon Electrical Contracting
31160 Avenue C
Big Pine Key, FL 33043

Date: January 4, 2016
Job Number: 552971
Job Name: Marathon City Hall
Job Location: Marathon, FL
PCO # 2

Attn: Ken Bygler

In accordance with requested changes, we quote you to revise our scope of work per the following:

- Furnish (3) HM frames #T1, T2	ADD: \$ 3,439.25
Furnish (5) HM doors #T1, T2	ADD: \$ 3,981.31
3 sets finish hardware	ADD: \$11,953.27

NOTE:-Excludes all glass and glazing.

-Per NOA #14-0827.04 +/- 60 psf without water infiltration.

Price:	\$19,373.83	
6% tax:	\$ 1,162.43	
Freight:	\$ 500.00	
Total:	\$21,036.26	\$ 21,326.87
ADD 15% Local	290.61	

This PCO is for materials only. Installation, if applicable, will be covered under a separate PCO.

We will not proceed with this extra work until we receive written authorization from your office. If you wish us to proceed, kindly return one signed copy for our records.

Total Amount of this Proposed Change Order \$21,036.26 Tax Included

This price is valid for 30 days and is subject to the Terms and Conditions of the base contract, which include payment of net 30 days, no retainage.

Sincerely,

Acceptance:

Julio H. Marino
President

By: _____

Signature: _____

Date: _____ Title: _____

Ken Bygler

From: Peter Llanes <pllanes@nextdoordistribution.com>
Sent: Friday, January 29, 2016 8:20 AM
To: Ken Bygler
Cc: 'Phill Badalamenti'
Subject: RE: Marathon City Hall - SO#552971 - Tags T1, T2 - PCO#02

Ken, The following pricing was obtained from Internet Search done on 2-1-16 from multiple internet vendors.

The computer prices all items in bulk. I do not have a price breakdown at this time. I have to do this manually and it will take me some time to do it. This is what I priced based on the NOA provided on the plans:

Tags T1 - 2 openings - Hardware per opening:

6 ea. Hinges BB1191 4 1/2 x 4 1/2 NRP US32D	6 @ \$34.05	\$204.30
2 ea. SVR Exit Devices HH9827 EO-F US32D (Exit Only-No Outside Trim)	2 @ \$1,392.24	\$2,784.48
2 ea. Closers 4040 XP SCUSH TBSRT AL	2 @ \$331.25	\$662.50
1 ea. Rain Drip 346 C 76"	1 @ \$26.68	\$26.68
2 ea. Meeting Stile Astragals 303 AVTST 84"	2 @ \$31.68	\$63.36
1 ea. Weatherstripping 303 AS 1 x 72" 2 x84"	1 @ \$15.00	\$15.00
2 ea. Door Bottoms 307 APK 36"	2 @ \$7.95	\$15.90
1 ea. Threshold 2005 AT 72"	1 @ \$74.96	\$74.96
1 ea. Jamb Weatherstripping PS-074 300"	1 @ \$300.00	\$300.00
2 ea. Door Sweeps FAS-SEAL 36"	2 @ \$18.99	\$37.98
		<hr/>
		\$4,185.16 Each

Tag T2 - 1 opening:

1 ea. Electric Hinge BB1191 4 1/2 X 4 1/2 ETW4 NRP US32D	\$479.14	
2 ea. Hinges BB1191 4 1/2 X 4 1/2 NRP US32D	2 @ \$34.05	\$68.10
1 ea. Rim Exit Device HH 98L-F X E996L-R&V 24VDC SNB US26D,US32D		\$1,518.00
1 ea. Closer 4040XP SCUSH TBSRT AL	\$331.25	
1 ea. Power Supply PS914 900-RS-FA +/-	\$700.00	
1 ea. Rain Drip 346 C 40"	\$26.68	
1 ea. Weatherstripping 303 AS 1 x 36" 2 x84"	\$15.00	
1 ea. Door Bottom 307 APK 36"	\$7.95	
1 ea. Threshold 2005 AT 36"	\$50.00	
1 ea. Jamb Weatherstripping PS-074 204"	\$200.00	
1 ea. Door Sweep FAS-SEAL 36"	19.99	
		<hr/>
		\$3,416.11

\$4,185.16 Each
 x2
 \$8,370.32

Also, I have been asked several times about the doors and hardware that was ordered for this project per your approved submittals. I need to ship this material to you or bill for stored materials.

Please let me know by Monday, February 1st.

Thanks,

Proposed Hardware Cost
 from Next Door

\$11,953.27

Total Internet Pricing
 Hardware @ 3 openings
 sales Tax
 \$11,786.43
 \$883.98
 \$12,670.41
 Est shipping
 \$500.00
 \$13,170.41



Peter Llanes
 Project Manager
Next Door Distribution
An Affiliate of
Unified Door & Hardware Group, LLC
 2705 N. Commerce Parkway
 Miramar, FL 33025
 Email: pllanes@nextdoordistribution.com
 Main Tele: (305) 691-1589 Ext 128
 Facsimile: (305) 403-7309
 Web: WWW.UDHGroup.com



PHILADELPHIA METRO ♦ METRO DC ♦ DALLAS ♦ MIAMI ♦ NASSAU ♦ NY METRO

Please consider the environment before printing this e-mail

From: Ken Bygler [<mailto:kenb@pedrofalcon.com>]
Sent: Thursday, January 28, 2016 3:55 PM
To: Peter Llanes <pllanes@nextdoordistribution.com>
Cc: 'Phill Badalamenti' <pbadalamenti@k2mdesign.com>
Subject: RE: Marathon City Hall - SO#552971 - Tags T1, T2 - PCO#02

Peter,

I met with the City today regarding this and we need to know what hardware you are including for each door. In discussion with the City and their security contractor what was specified by the Architect and/or priced by you may not be exactly what they need.

Can you shoot me an e-mail that details the hardware you are supplying in your proposal and the cost for each hardware line item. We are trying to get this resolved by tomorrow afternoon.

I also understand you have been in discussion with Phil Badalamenti (K2M Design) regarding hardware changes on some of the interior openings that are being affected by the inclusion of an access control system. As soon as that is resolved we can finalize that change and request pricing on those items as well.

Thanks,

Pedro Falcon Contractors, Inc.
31160 Ave C
Big Pine Key, Florida 33043

Office: 305-872-2200 Ext. 28
Fax: 305-872-2219
Cell: 305-731-6978
E-mail: kenb@pedrofalcon.com

From: Peter Llanes [<mailto:pllanes@nextdoordistribution.com>]
Sent: Monday, January 04, 2016 11:57 AM
To: Ken Bygler
Subject: Marathon City Hall - SO#552971 - Tags T1, T2 - PCO#02

Hi Ken,

Please see the attached PCO #02 for Tags T1 & T2, per NOA #14-0827.04, +/-60 PSF.

Thanks,

Peter Llanes

REVISED FF&E ADDITIONAL A/V EQUIPMENT:

Marathon City Hall

1 ea) Atlona 8x8 Matrix AT- UHD PRO3 88M	\$6,999
6 ea) Atlona balun receivers AT-UHD EX100-CE-RX (\$379/295?)	2,274
Assisted listening system: 4 ADA Signs (need one by each door) 7 Receivers 7 Ear Speakers 7 Rechargeable Battery Sets (2 ea.) 2 Inductive Neck Loops Storage Case / Charger Remote Antenna	3,999
Extron ShareLink Wireless Gateway for BYOD Collaboration & Presentation	1,690

Components Total

\$14,962.00

-- Kelly

PROTECTION PLUS

NAME / ADDRESS
City of Marathon 9805 Overseas Highway Marathon, FL 33050

DATE
10/6/2014

PROPOSAL

DESCRIPTION	QTY	COST	TOTAL
VIDEO SURVEILLANCE - CITY HALL - Per plans dated 09/05/14		14,298.00	14,298.00
OpenEye OE5-N3U, Network Video Recorder, 16 Channel, 4TB Storage	1		0.00
Ditek Surge Protection, 12 Channel, CAT5	1		0.00
Trendnet Switch, POE, 24 port, GBIC	1		0.00
Open Eye CM-611 High Resolution Indoor IP Dome Camera, 2MP, 1080p HD, 4mm Fixed Lens	9		0.00
Open Eye CM-722AI High Resolution Outdoor Camera, 2MP, 1080p HD, 3-9mm Varifocal Lens, IR	3		0.00
Wire, CAT5E, White			0.00
Technical Labor			0.00

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from the above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control.

TOTAL \$14,298.00

SIGNATURE _____

Phone Number	Fax Number	Address	E-mail	Web Site
305-295-8862	305-295-2797	529 Southard Street Key West, FL 33040-6871	brad@protectionplus.com	www.protectionplus.com

Revised Proposal

PROTECTION PLUS

NAME / ADDRESS
City of Marathon 9805 Overseas Highway Marathon, FL 33050

DATE
12/17/2015

PROPOSAL

DESCRIPTION	QTY	COST	TOTAL
VIDEO SURVEILLANCE - CITY HALL - Per plans dated 10/01/14 Revision			
16CH Embedded PoE NVR, 6TB, Plug-n-Play with OpenEye IP Cameras, Linux OS, HDMI Output, 2 USB, ONVIF, 3 Yr Warranty, ReportStar Ready	1	2,735.00	2,735.00
Ditek Surge Protection, 12 Channel, CAT5	1	760.00	760.00
Tripp-Lite Back-UPS, 1500 VA, Smart AVR System	1	263.00	263.00
Indoor/outdoor 2MP IP dome camera, white, 2.8 mm fixed lens, PoE Only, 30ips@1080p, ONVIF, H.264/MJPEG, CMOS, IR, Quad Streaming, Motion Detection, Micro SD, 3-axis, IP66	5	333.00	1,665.00
OpenEye, 2MP Outdoor IR Bullet Camera	3	872.00	2,616.00
Wire, CAT5E, White		712.00	712.00
Technical Labor		3,142.00	3,142.00
Any required conduit by EC. All conduits to have pull strings. All conduit to be home runs to 2nd Floor IT Room. No conduit runs over 275'. NVR and UPS to be rack mounted in racks provided by others.			
		TOTAL	\$11,893.00

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from the above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon delays beyond our control. Florida State License EY-0000154

SIGNATURE _____

Phone Number	Fax Number	Address	E-mail	Web Site
305-295-8862	305-295-2797	529 Southard Street Key West, FL 33040-6871	brad@protectionplus.com	www.protectionplus.com



Pedro Falcon Contractors

General & Electrical Contracting

31160 Avenue C, Big Pine Key, FL 33043-4516
(305) 872-2200 • Fax (305) 872-2219 • falconel@bellsouth.net
CGC 1507617 / EC 13003416

Request for Change Order

04 December 2015

Project: Marathon City Hall

Change Order Request No: PCO - 021

Description: Owner Requested HVAC Revisions Thru Rev 11

- Motorized Dampers, CO2 Sensors, Make-up Air Duct, Wall Louvers

Subcontractor – Cool Breeze Air Conditioning Corp.

Material (including sales tax).....	\$12,252.32
Labor.....	\$3,413.06
Subtotal.....	\$15,665.38
10% Overhead.....	\$1,566.54
5% Profit.....	\$783.27
Total Cool Breeze.....	\$18,015.19

Pedro Falcon Contractors

Cut and Prepare Openings

Material and Equipment.....\$100.00
Labor.....\$1,104.00

Repair Stucco

Material and Equipment.....\$100.00
Labor.....\$414.00

Pedro Falcon Field Coordination:

8 Hours @ \$55.00.....\$440.00

Pedro Falcon Site General Conditions

\$50 Per Calendar Day.....\$0.00

Total PFC.....\$2,158.00

Total All.....\$20,173.19

Overhead @ 10%.....\$2,017.32

Subtotal.....\$22,190.51

Profit @ 5%.....\$1,109.53

Subtotal.....\$23,300.04

Payment & Performance Bond @ 1%.....\$233.00

TOTAL ALL OF THE ABOVE:.....\$23,533.04

Net Amount of Request for Change Order:.....\$23,533.04

Additional Time Requested for Change:

Additional Time Extension for this work is expected to fall within timeframe for pending modifications therefore no time extension is requested at this time.

This proposal only encompasses the item(s) specifically outlined above and does not include any other items, whether stated or inferred, in any other documents. The terms set forth in this proposal shall have precedence over any other agreement and this proposal shall be included in any modification agreement.

Respectfully Submitted,



Ken Bygler
Project Manager

Marathon City Hall. RCO# 3 HVAC Revisions 3 thru 11 Changes.					
QTY	DESCRIPTION	UNIT	MATERIALS	HRS	SUPPLIER
ITEM I	EQUIPMENT CHANGES (SEE ATTACHED BREAKDOWN)		\$1,581.87	16.00	
ITEM II	DUCTWORK CHANGES (SEE ATTACHED BREAKDOWN)		\$9,868.90	34.00	
ITEM III	AIR DISTRIBUTION CHANGES (SEE ATTACHED BREAKDOWN)		\$0.00	0.00	
ITEM IV	PIPING CHANGES (SEE ATTACHED BREAKDOWN)		\$0.00	0.00	
HRS	FIELD WORK ADJUSTMENT			0.00	
	SUBTOTAL		\$11,450.77	50.00	
	SALES TAX 7.0%		\$801.55		
	CONTROLS SUBCONTRACTOR (SEE ATTACHED BREKDOWN)		\$0.00	0.00	
	TEST AND BALANCE SUBCONTRACTOR (SEE ATTACHED BREAKDOWN)		\$0.00	0.00	
	INSULATION SUBCONTRACTOR (SEE ATTACHED BREAKDOWN)		\$0.00	0.00	
HRS	DIRECT LABOR COST				
50.00	TOTAL CREW HRS				
6.00	FOREMAN HRS @ 74.91		\$449.46		
22.00	JOURNEYMEN HRS @ 60.03		\$1,320.66		
22.00	APPRENTICE HRS @ 40.82		\$898.04		
	OTHER				
0.00	CLEAN UP HRS @ 16.91		\$0.00		
0.00	DELIVERY HRS @ 18.91		\$0.00		
0.00	GENERAL FOREMAN @ 77.02		\$0.00		
2.00	ESTIMATING HRS @ 67.68		\$135.36		
2.00	FIELD ENG./ENG. SKETCHING @ 63.00		\$126.00		
6.00	PROJECT MANAGER HRS @ 80.59		\$483.54		
	SUBTOTAL		\$15,665.38		
	TOTAL COST(MAT & LAB)		\$15,665.38		
	10% OVERHEAD		\$1,566.54		
	5% PROFIT		\$783.27		
	TOTAL COST		\$18,015.19		

ITEM I EQUIPMENT CHANGES BREAKDOWN.

QTY	DESCRIPTION	MAT	EXT	LABOR	EXT (hrs)
	<u>NEW/ADDITIONAL EQUIPMENT</u>				
3	M-1 ADDED 12" ROUND MA MOT. DAMPERS (LOT)		\$790.00	4	8
80	M-1 ADDED ERV - CO2 SENSOR 18/2 CABLE (FT.)		\$150.74	4	8
1	M-1 ADDED ERV - LG CO2 SENSOR (EA.)		\$507.00	2	4
1	ADDED 100VA 120, ETC.-24V TRANSFORMER (EA.)		\$74.13	1	2
-3	M-1 DELETED 10" ROUND MA MOT. DAMP. (LOT)		At the jobsite	-3	-6
1	SUPPORTS (LOT)		\$60.00	0	0
	MISCELLANEOUS				
	SUBTOTAL		\$1,581.87	8	16

New 12" ϕ MA 24V. Motorized Dampers.

From: Pedro Alonso <pedro@tse-corp.com>
Sent: Wednesday, November 11, 2015 8:56 AM
To: Raul Torralbas
Subject: Emailing: MARATHON=CITY H.
Attachments: MARATHON=CITY H..pdf

SEE ATTACHED SHIP ON 3 WORKING DAYS---\$790.00. ✓

Your message is ready to be sent with the following file or link attachments:

MARATHON=CITY H.

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

New 12" ϕ MA 24V. Motorized Dampers.
Submittal



Date/Time: 11/11/2015 08:52:28
Created By: pedro@tse-corp.com
Current Version: 2014.0.310
Project Name:
Job Name: MARATHON

Commercial Round/Oval

Model: CDRS25

SIZE: Deduct 1/8

BLADE SEALS: STD MATERIAL

CONSTRUCTION: STANDARD
GALV

DRAWING
NUMBER:
DRAWING
REVISION:
DRAWING
DETAIL:

ACT TYPE: ELECTRIC/24
VOLT

AXLE MAT.: STANDARD

ACTUATOR: FSLF24

FRAME GAUGE: 20 GA.

FAIL POS.: CLOSE

Qty	DIAMETER	Act Qty
<u>3</u>	<u>12</u>	1

RUSKIN®

New 12" ϕ MA 24V. Motorized Dampers.

3900 Dr. Greaves Rd.

Kansas City, MO 64030

(816) 761-7476

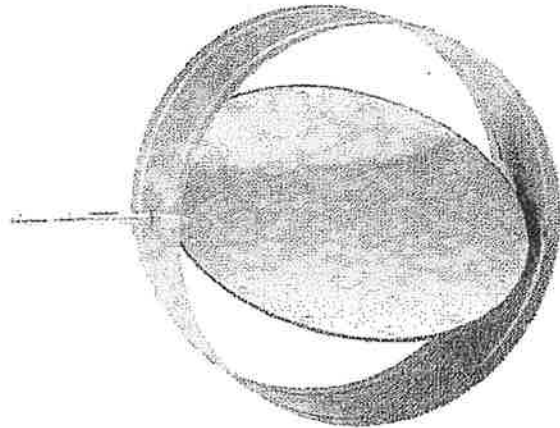
FAX (816) 765-8955

CDRS25 ROUND CONTROL DAMPER

APPLICATION

The CDRS25 is an ultra low leak "true" round control damper that easily installs in round spiral ductwork. The ultra low leak feature is a result of the specially designed blade-to-frame neoprene seal sandwiched between two round blades and fully encompassing the blade edge.

DAMPER DIA. INCHES	MAXIMUM SYSTEM PRESSURE
24" (610)	6.0" w.g.
18" (457)	6.0" w.g.
12" (305)	8.0" w.g.
6" (152)	10.0" w.g.



STANDARD CONSTRUCTION

FRAME

20 gage (1.0) galvanized steel up to 24" (610) diameter. 6" (152) long.

BLADE

Two layers of galvanized steel; 14 gage (2.0) equivalent thickness.

BLADE SEAL

Neoprene seal sandwiched between two sides of blades. Seal fully encompasses blade edge.

AXLE

1/2" (13) diameter.

BEARING

Stainless steel sleeve pressed into frame.

CONTROL SHAFT

Axle extends 6" (152) beyond frame exterior.

FINISH

Mill galvanized.

DAMPER SIZES

Minimum 4" (102)
Maximum 24" (610)

MAXIMUM VELOCITY

4000 FPM (1219 MPM)

LEAKAGE

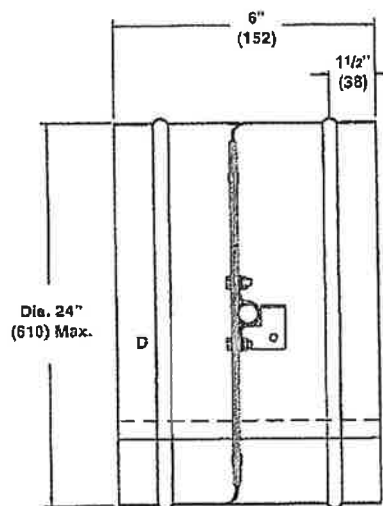
.15 cfm per inch of perimeter at 4 in. w.g.

MAXIMUM TEMPERATURE

200°F (93°C)

OPTIONS

- Enamel, Epoxy and Kynar finishes
- Silicone rubber blade seal
- Stainless steel construction
- Factory installed electric and pneumatic actuators.



SUGGESTED SPECIFICATION

Furnish and install, at locations shown on plans or in accordance with schedules, round control dampers meeting the following specifications:

Dampers shall consist of a single circular blade mounted to a shaft. Inside frame surface shall be clean and smooth with no full circumference blade stops or similar inward projections.

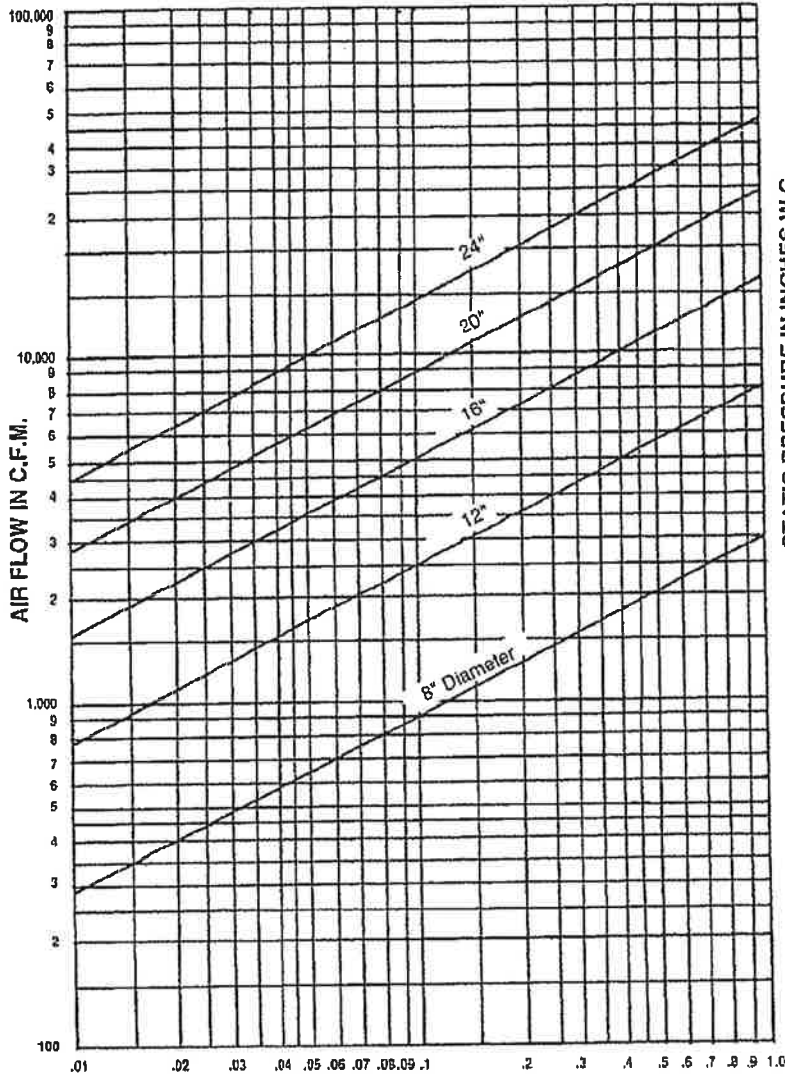
Frames shall be 20 gage galvanized steel and shall include rolled stiffener beads to allow easy seating of spiral ductwork joints. Damper blade shall be double skin equivalent to 14 gage and shall include a neoprene seal sandwiched between the two sides. Leakage through the damper in the closed position shall not exceed .15 cfm per inch of blade circumference at a pressure differential of 4" w.g. Leakage through the bearings shall be less than 1/4" cfm at 4" static pressure. Dampers shall be in all respects equivalent to Ruskin Model CDRS25.

Dimensions in parenthesis () indicate millimeters.*

Units furnished approximately 1/8" (3) smaller than D diameter dimensions.

CDRS25 PERFORMANCE DATA

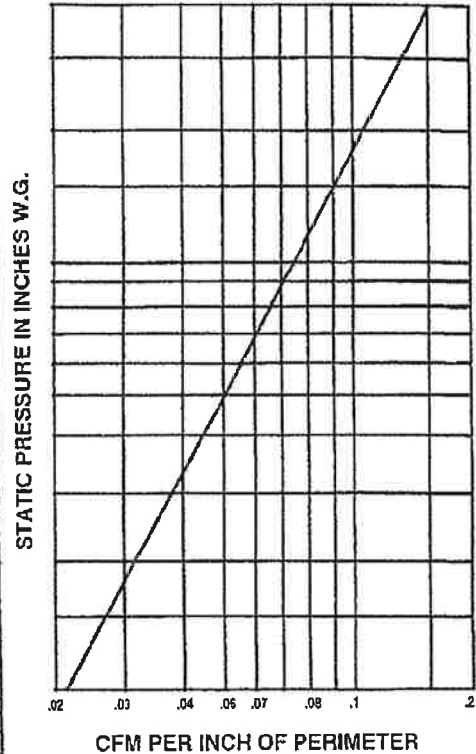
Static Pressure Drop Chart



STATIC PRESSURE IN INCHES W.G.

DIMENSION D (Diameter)	MIN. IN. LBS. TORQUE AT 2" w.g. OR LESS STATIC PRESSURE
4"	36
5"	40
6"	44
7"	48
8"	52
9"	56
10"	60
12"	68
14"	76
16"	84
18"	92
20"	100
22"	108
24"	116

Leakage Chart



DETERMINING LEAKAGE

To determine damper leakage, enter Damper Leakage chart from the left side. Given the static pressure the damper will encounter in closed position, move horizontally to diagonal line, then go straight down the chart to CFM of leakage per inch of perimeter.

Example: Damper operating at 1.5" w.g. static pressure will leak .09 CFM per inch of perimeter. Total leakage on an 8" round will be $8 \times 3.14 \times .09$ CFM per inch perimeter = 2.26 CFM leakage.

NOTES:

1. Ratings are based on AMCA Standard 500 using Test Set-up Apparatus Figure 5.3 (damper installed with duct upstream and downstream).
2. Static pressure and CFM are corrected to .075 lb./cu. ft. air density.

DETERMINING STATIC PRESSURE DROP

To determine static pressure drop through an open damper, enter the Damper Pressure Drop chart from the left side. Given the CFM of air flow through the damper, follow the CFM line to the diagonal line with the damper size required, then down to the static pressure drop of the unit.

Example: The pressure drop of an 8" damper with 700 CFM flow is .06 inches w.g.

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INTEGRATEDCOOLINGSOLUTIONS

Added CO2 Sensor for the ERV.

PROPOSAL

INTEGRATED COOLING SOLUTIONS LLC

8135 NW 33rd STREET MIAMI, FL 33122 United States

Email: agarcia@integratedcooling.com
Phone: 305/406-9758 Fax: 305/406-9759

ICS Quote # B15MM

Project: Marathon City Hall

Date: 11/10/2015

Expiration Date: Quote expires 30 days from date issued

TO:

Cool-Breeze Air Conditioning
Attn: Raul Torralbas



ITEM A: LG Air Cooled Variable Refrigerant Flow Heat Pump Systems - As Specified

QTY	TAG	DESCRIPTION
1	CO2 Sensor	LG CO2 Sensor for ERV

NOT Included: Access panels, electric heat, disconnect, MERV 8 filters, return air grille, auxiliary drain pan, condensate float switch, refrigerant isolation valves, wiring of any kind or any items mentioned above.

Total Net Price (excluding tax)..... \$ 507.00 ✓

ICS will do its best to meet or improve the scheduled ship date. However, circumstances beyond our control may cause this ship date to change. In the event that it does change, ICS will not be held liable for any damages that may occur. ICS's standard "Terms and Conditions of Sale" apply to this order.

Notes:

- Prices are quoted in USD currency.
- The Quote number is required to place an order.
- A Purchase Order with Ship To Address, Bill To Address, and Signature must be sent to the above location.
- Sales Tax will be added to the final invoice -- if the project is tax exempt, a Certificate will be required.
- CUSTOMER AGREES TO PAY ALL COSTS AND EXPENSES INCURRED COLLECTING ANY AMOUNT DUE UNDER THIS PROPOSAL AND/OR INVOICE, INCLUDING REASONABLE ATTORNEYS FEED AND ALL INCURRED COSTS AND ASSOCIATED EXPENSES.

THANK YOU FOR YOUR BUSINESS!



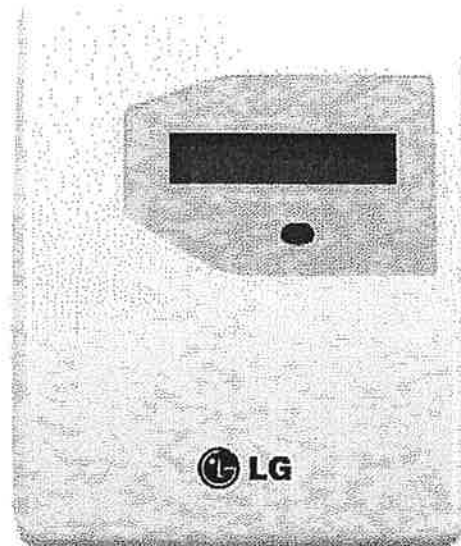
LG

Life's Good

Added CO2 Sensor for the ERV.

Installation Manual for LG CO2 Sensor

Model Number: PESC0RV0



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This document, as well as all reports, illustrations, data, information, and other materials are the property of LG Electronics U.S.A., Inc., and are disclosed by LG Electronics U.S.A., Inc. only in confidence.

**Do not throw away, destroy, or lose this manual.
Please read carefully and store in a safe place for future reference.
Content familiarity required for proper installation.**

The instructions included in this manual must be followed to prevent product malfunction, property damage, injury, or death to the user or other people. Incorrect operation due to ignoring any instructions will cause harm or damage. The level of seriousness is classified by the symbols described by the summary list of safety precautions on page 3.

For more materials such as submittals, catalogs, engineering, installation, owner's, and service manuals, visit www.lghvac.com.





For continual product development, LG Electronics U.S.A., Inc. reserves the right to change specifications without notice.

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SAFETY PRECAUTIONS

The instructions below must be followed to prevent product malfunction, property damage, injury or death to the user or other people. Incorrect operation due to ignoring any instructions will cause harm or damage. The level of seriousness is classified by the symbols described below.

TABLE OF SYMBOLS

 DANGER	<i>This symbol indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.</i>
 WARNING	<i>This symbol indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</i>
 CAUTION	<i>This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.</i>
Note	<i>This symbol indicates situations that may result in equipment or property damage accidents only.</i>
	<i>This symbol indicates an action should not be completed.</i>

INSTALLATION

WARNING

All electrical work must be performed by a licensed electrician and conform to local building codes or, in the absence of local codes, with the National Electrical Code, and the instructions given in this manual.

If the power source capacity is inadequate or the electric work is not performed properly, it may result in fire, electric shock, physical injury or death.

Do not touch the CO2 sensor's PCB, any exposed wiring, terminals, or other electrical components with tools or exposed skin when the power is connected. Only qualified technicians should install, remove, or re-install the sensor.

Improper installation or use may result in fire, electric shock, physical injury or death.

Do not install, remove, or re-install the unit by yourself (end user). Ask the dealer or an authorized technician to install the unit.

Improper installation by the user may result in fire, electric shock, physical injury or death.

For replacement of an installed sensor, always contact an authorized LG service provider.

There is risk of fire, electric shock, and physical injury or death.

Do not install the sensor in a highly humid environment or where it can be exposed to rain.

There is risk of physical injury or death due to electric shock.

Safely dispose of the packing materials.

Tear apart and throw away plastic packaging bags so that children may not play with them and risk suffocation and death.

Note

Only qualified technicians should install, remove, or re-install the sensor.

Improper installation or use may result in product malfunction.

Do not drop the sensor.

It may damage the case.

Do not install the sensor in a highly humid environment or where it can be exposed to rain.

There is risk of product malfunction.



SAFETY PRECAUTIONS

OPERATION

⚠ DANGER

Do not provide power to or operate the sensor if it is flooded or submerged. Always have the dealer or an authorized technician to service the sensor.

There is risk of fire, electric shock, physical injury or death.

Do not store or use flammable gas or combustibles near the sensor.

There is risk of fire, explosion, and physical injury or death.

⚠ WARNING

Do not install the CO₂ sensor (or its hard-wired and extension cables) in a location exposed to open flame or extreme heat. Do not touch the sensor with wet hands.

There is risk of fire, electric shock, physical injury or death.

Do not modify or extend the power supply cord.

There is risk of fire, electric shock, physical injury or death.

⚠ CAUTION

Only authorized persons should operate the product.

If the sensor is not operated properly, there is a risk of physical injury.

Note

Do not the sensor to get wet.

There is risk of unit failure or malfunction.

Do not drop the CO₂ sensor.

There is risk of unit failure or malfunction.

Only authorized persons should operate the CO₂ sensor.

There is risk of unit failure or malfunction.

INTRODUCTION, PARTS LIST, AND SPECIFICATIONS

Introduction

The CO2 sensor is especially designed to work in conjunction with LG Energy Recovery Ventilators (ERVs). Real-time CO2 levels are detected and displayed on the sensor's LCD. The CO2 sensor then sends the data to the LG ERV via the hard-wired connection cable coupled with the supplied 33-foot extension cable. LG ERVs, using stand-alone embedded logic, will respond to CO2 changes in the surrounding ambient air by applying demand control ventilation when its fan is set to Auto mode. Energy efficiency is increased, and indoor air quality can be improved when ventilation air is introduced to the monitored space only as necessary.

Note

The CO2 sensor does not work with interlock or slave operation with indoor units.

Factory-Supplied Parts

Figure 1: CO2 Sensor (Model No. PES-C0RV0).

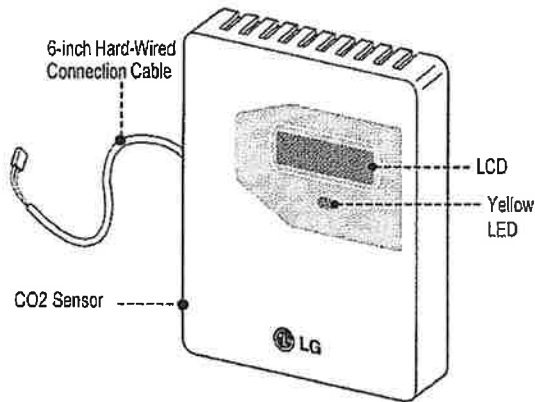
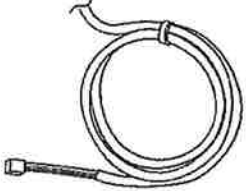
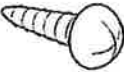



Table 1: Factory-Supplied Parts Table.

Part	Quantity	Image
33-foot Extension Cable	One (1)	
Mounting Screws	Three (3)	
Installation Manual	One (1)	

Installation

Specifications

Table 2: Specifications Table.

Specifications	
For Use With	ARVU053-063ZEA2 and ARVU093-123ZFA2 LG Energy Recovery Ventilators (ERV)
Power Supply	12V DC \pm 5%
Analog Output	0 to 5V DC
Measuring Range	0 to 2,000 ppm
Dimensions	4-1/16" H x 3-1/4" W x 1-1/4" D
Net Weight	4 oz. (CO2 Sensor with its 6-inch Hard-Wired Cable Only)
Shipping Weight	Approximately 1 lb.

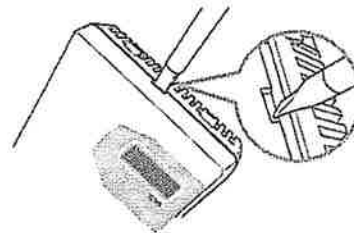


INSTALLATION AND WIRING

1. Open the Case.

To open CO2 sensor case, insert a flat-head screwdriver in the slot (see right), and gently twist.

Figure 2: Removing the Cover.



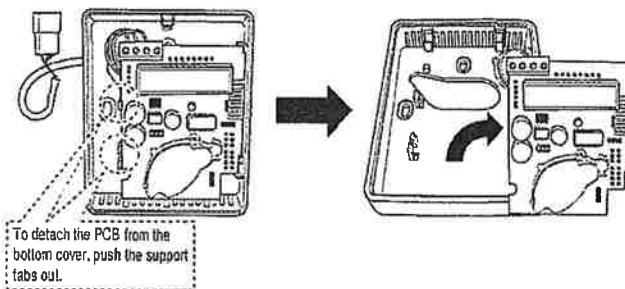
2. Remove the CO2 sensor Printed Circuit Board (PCB).

The installer needs to remove the PCB attached to the bottom part of the case before wall-mounting the CO2 sensor. To detach, push the support tabs out that are holding the PCB, lift the PCB up, and remove.

Note

To avoid damaging the CO2 sensor PCB, place it in a clean secure location while the backplate is being installed.

Figure 3: Push the Support Tabs Out.



3. Choose an installation location for the CO2 sensor.

General Dos

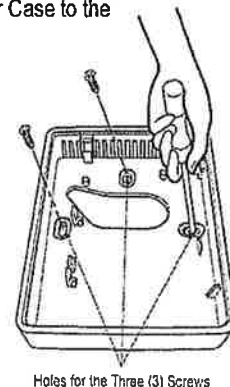
The CO2 sensor should be installed:

- In an occupied space that has air exchange from the ERV
- Where it can accurately detect the CO2 level of the space
- Four (4) to five (5) feet above the floor where its LED display can be read easily (if CO2 sensor monitoring is required; possibly near the zone controller)
- In an area with good air circulation
- Where the CO2 sensor is within reach of the ERV with the one (1) factory-supplied 33-foot extension cable

General Don'ts

- Do not install the CO2 sensor near or in:
 - Drafts or dead spots behind doors and in corners
 - An open window

Figure 4: Attaching the CO2 Sensor Case to the Wall.



4. Wall-mount the CO2 sensor.

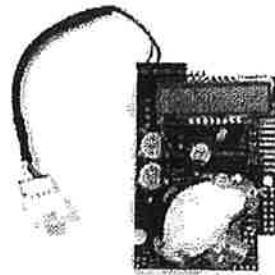
Using the bottom part of the case as a template, mark the area on the wall where the three (3) factory-supplied screws and the access hole for the hard-wired connection cable should go. Drill the holes, then attach the bottom of the CO2 sensor case securely to the wall.

5. Reinsert the PCB and reattach the cover.

After wiring is complete (see Wiring), place the right side of the PCB under the guides on the case. Gently push the left side of the PCB under the support tabs until it snaps in place, indicating it is secure.

Position the three guides (on the cover) at the bottom of the case, then push down on the top until the two hooks snap in place.

Figure 5: CO2 Sensor PCB.



Wiring

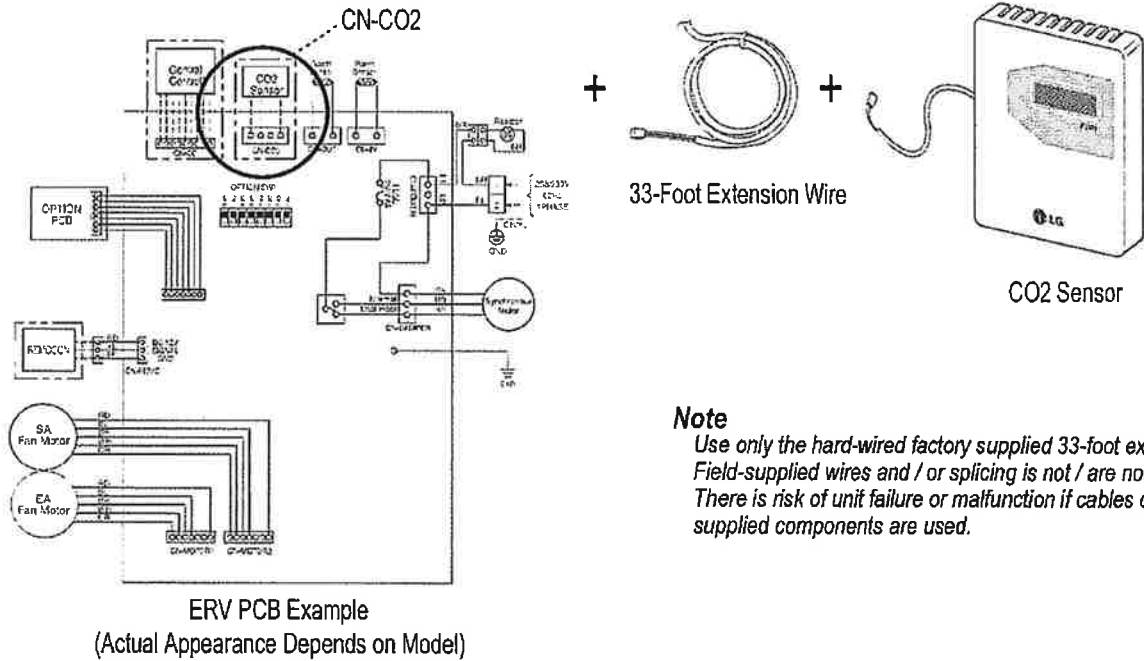
The CO2 sensor PCB has a hard-wired connection cable ending in a female terminal. The factory-supplied 33-foot male extension cable connects this cable to the CN-CO2 terminal on the ERV PCB. No splicing or additional connections are required.

WIRING PROCEDURE, OPERATION, AND TROUBLESHOOTING

Wiring Procedure

1. Power down the ERV.
2. Attach one male end of the extension cable to the female connection on the hard-wired cable.
3. Attach the other male end of the extension cable to the CN-CO2 terminal on the ERV Main PCB.
4. Reattach the CO2 sensor PCB to the bottom of the case (that has already been wall-mounted).

Figure 6: Wiring from ERV PCB to CO2 Sensor.



Operation

1. At initial power up, a wrench symbol will appear on the LCD and the yellow LED on the CO2 sensor PCB lights up for two (2) to three (3) seconds.
2. Turn ERV on at the zone controller or central controller. Set the ERV fan mode to Auto.
3. The ambient CO2 concentration in parts per million (ppm) will then appear on the LCD. Permit the system to operate for about five [5] minutes before obtaining an accurate reading.
4. The CO2 reading will update every three (3) seconds, using data from the CO2 infrared sensor.
5. ERV fans will automatically operate according to CO2 sensor readings (see table at right).

Table 3: ERV Operation Sequence with CO2 Sensor.

CO2 Sensor Reading	ERV Fan Operation
<500 ppm	Off
500-700 ppm	Low Speed
700-900 ppm	High Speed
>900 ppm	Super High Speed

Troubleshooting

- The wrench symbol displays on the LCD and the yellow LED on the CO2 sensor PCB turns on if there is an error and / or if the reading is outside the measuring range (0 to 2,000 ppm).
- Both the wrench symbol and the yellow LED will turn off when the CO2 sensor returns to normal operation.
- If CO2 readings fluctuate ± 200 ppm, the reading may be unstable.
- If the system has been operating for more than five (5) minutes, and readings continue to be unstable, verify that the CO2 sensor's connections are properly secured.



Contact your local sales representative if you have any questions about the CO2 sensor or its installation.



LG Electronics, U.S.A., Inc.
Commercial Air Conditioning Division
11405 Old Roswell Road
Alpharetta, Georgia 30009
www.lg-vrf.com

LG Customer Information Center, Commercial Products
1-888-865-3026 USA
Follow the prompts for commercial A/C products.

IM-CO2-Sensor-PESC0RV0-3-15

ITEM II DUCTWORK CHANGES BREAKDOWN

QTY	DESCRIPTION	MAT	EXT	LABOR	EXT (hrs)
	<u>NEW/ADDITIONAL DUCTWORK CHANGES</u>				
4	M-1 ADDED NEW WALL LOUVERS (LOT)		\$2,160.00	20	40
1	M-1 ADDED 10" FLEX DUCTWORK & BOOTH (LOT)		\$424.00	5	10
-111	M-1 DELETE 10" ROUND MA DUCT (LBS.)		Duct on site	-12	-24
-127.65	M-1 DELETED 10" ROUND DUCT INSULATION (SQFT.)	\$5.25	-\$670.16	Included	Included
621	M-1 ADDED NEW SIZE, 12" ROUND, MA DUCT (LBS.)	\$6.50	\$4,036.50	Included	Included
716.83	M-1 ADDED 12" ROUND DUCT INSULATION (SQFT.)	\$5.25	\$3,763.36	Included	Included
2	GALLON OF MASTIC SEALANT FOR MA DUCT (EA.)	\$37.60	\$75.20	4	8
	SUPPORTS		\$80.00	0	0
	MISCELLANEOUS		\$0.00	0	0
	SUBTOTAL		\$9,868.90	17	34

SUBMITTAL

Job Title: MARATHON CITY HALL OPTION 1 - #50738

Engineer: K2M DESIGN

Contractor: COOL-BREEZE A/C CORP.

Elevation: (ft) 10

Date: 11/09/15

Submitted By: Chris Tharp

2015 11 10

11/09/2015

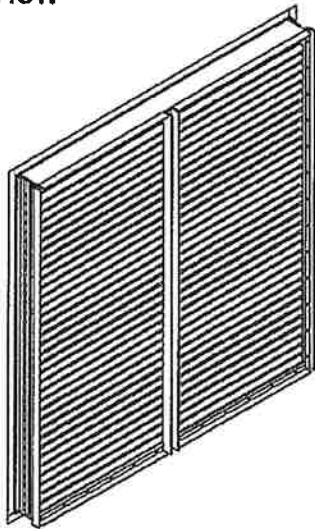
CORS-AIR
2865 SW 30TH AVENUE
PEMBROKE PARK , FL 33009-3801
US
Phone: (954)456-4300
Fax: (954)458-3702
Email Address: chris@cors-air.com

Added Ventilation Louvers.



P.O. Box 410 Schofield, WI 54476 (715) 359-6171 FAX (715) 355-2399 www.greenheck.com

Internal View

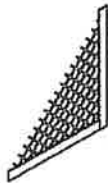


ESS-502D

5 in. Frame, Non-drainable sightproof Blade

Application & Design

ESS-502D is a 5 in. deep extruded aluminum sightproof louver designed to protect air intake and exhaust openings in building exteriors specifically for applications requiring extremely high structural design loadings. Design characteristics meet the performance criteria established by the Florida Building Code and Miami-Dade County. Tested in accordance with and passes TAS 201 (Large Missile Impact), TAS 202 (Uniform Static Air Pressure) and TAS 203 (Cyclic Wind Loading). The ESS-502D may be installed in a location where the space behind the louver is designed to accept water penetration and houses water resistant/water proof equipment, components or supplies. The maximum design wind-load shall not exceed 110 PSF. Qualified for installation within concrete/masonry, steel stud, structural steel or wood framed building conditions. Has continuous perimeter aluminum mounting angles. The ESS-502D is an AMCA Certified Louver enabling designers to select and apply with confidence.



Florida Product Approval Number: FL12941.1
 Miami-Dade NOA Number: 14-0624.16

Construction Features

Frame Depth (in.):	5	Frame Thickness (in.):	0.081	Louver Material:	Aluminum
Frame Type:	Flanged	Flange Extension:	Exterior	Flange Extension (in.):	1.5
Sizing:	Rough Opening	Fixed Blade Thick. (in.):	0.081	Shape:	Rectangular
Welded Construction:	Yes	Impact Qualified:	Enhanced Lev E		

Options and Accessories

Finish

Louver Finish Type: Mill

BirdScreen

Bird Screen: Internal Bird Screen Mat'l: Aluminum Bird Screen Type: 3/4x0.050 Flat Exp.
 Bird Screen Finish: Mill

Mounting

Build. Substrate Cond.: CMU

Warranty

Product Warranty: 1 Yr (Standard)

Summary

ID #	Tag	Qty.	W (In.)	H (In.)	Free Area (ft2)	Sect. Wide	Sect. High	Sect. Ship
2-1		2	24.000	24.000	1.54	1	1	2
2-2		2	10.000	10.000	0.08	1	1	2

The maximum design wind load is 110 PSF. Please refer to the product data submittal information for installation instructions. Any additional structural reinforcing members or materials not otherwise shown as "By Greenheck" shall be considered by others. Unless indicated otherwise the following are NOT included in the quote provided: structural steel, anchors into surrounding substrate or structure, shims, backer rod, sealant, dissimilar material isolation, field measuring, installation, flashing, trim, enclosures, blankoff panels, mullion covers, hinged frames, removable subframes, custom bird/insect screen, 3-coat, metallic and/or exotic paint finishes, bituminous paints, taxes, PE stamped structural calculations or job specific engineered submittal drawings.

Louvers Product Limited Warranty

Thank you for purchasing Greenheck louvers. Greenheck warrants this equipment to be free from defect in material and workmanship for a period of 1 year from the date of product shipment. Any units or parts, which prove defective during the warranty period, will be repaired or replaced at our option when returned to our factory, transportation prepaid. Unless agreed upon otherwise Greenheck will not be held responsible for costs associated with removal or installation of product(s).

The legal remedies described in this Limited Warranty are the sole exclusive remedy of Customer. This limited warranty will be void if payment from Customer is not received within a commercially reasonable time frame. GREENHECK MAKES NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, REGARDING ITS PRODUCTS, OR ITS SELECTION AND APPLICATION, INCLUDING, BUT NOT LIMITED TO, COMPLIANCE WITH BUILDING CODES, SAFETY CODES, LAWS, MERCHANTABILITY OR FITNESS OR A PARTICULAR PURPOSE. This limited warranty is extended solely to the Customer. It is nontransferable and non-assignable, and the Customer shall not permit or authorize its employees, agents, representatives or customers to claim, represent or imply that this limited warranty extends or is available to anyone other than the Customer.

In the event of material breach by the Customer of any of the conditions of this warranty, Greenheck shall have no liability for and product failure claims.

Failure to pay Greenheck in full for original services will automatically make this warranty null and void.

Greenheck will not be held liable for incidental or consequential damages of any kind. The limited warranty of product(s) replaced or repaired under this limited warranty shall be limited to the remainder of the original warranty period. Greenheck reserves the right to reasonable field access to diagnose and repair any product alleged to be defective. This limited warranty may not be modified by anyone and may not be changed by such things as purchase order forms or acceptance forms, unless otherwise agreed upon by Greenheck.

This limited warranty is provided in lieu of any other warranty requirements or obligations, including, but not limited to, those within project specifications.

All notices and claims given under or pursuant to this agreement shall be in writing and sent by certified or registered mail, postage prepaid, return receipt requested to: Greenheck, Attn: Louver Sales, 525 Western Road, Schofield, WI 54476.

By proceeding to use our products and services on your project, you accept the terms of these limited warranties.



Ductwork Insulation.

Johns Manville

Air Handling Systems

Microlite® XG™

Formaldehyde-free™ Fiber Glass Duct Wrap Insulation

Description

Microlite XG Formaldehyde-free™ duct wrap insulation is a white, lightweight, highly resilient, blanket-type thermal insulation. The insulation blanket is manufactured from rotary-process fiber glass bonded with a special thermosetting acrylic resin.

Available Forms

Microlite XG Formaldehyde-free™ insulation is available in a variety of densities, thicknesses and roll lengths. It is supplied with an FSK (foil-scrim-kraft) vapor barrier facing to meet installed performance requirements, with a 2" (51 mm) stapling tab.

Uses

Microlite XG insulation is recommended as thermal insulation for the exterior of HVAC systems or other spaces or surfaces where temperature control is required.

Facing Information

FSK Aluminum Foil

Reinforced with fiber glass scrim laminated to UL-rated kraft.

Permeance: 0.02 perms*

*Per ASTM E90, Procedure A for facing material prior to lamination. After lamination, permeance values may be higher.

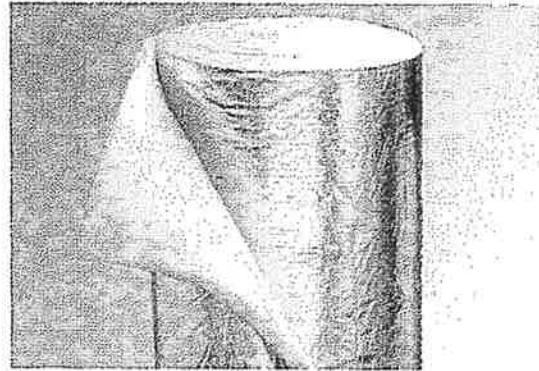
General Properties

Temperature (max.)— ASTM C411	250°F (121°C)
Water vapor sorption— ASTM C1104	<5% by weight
Corrosivity with steel— ASTM C695	Does not accelerate
Fungi resistance— ASTM C1338	Does not breed or promote

Standard Thicknesses and Packaging

Type	Thickness, in (mm)		
	100' Roll (31 m)	75' Roll (23 m)	50' Roll (15 m)
75	1½ (38)	2, 2¼ (51, 58)	3 (76)
100	1½ (38)	2 (51)	-
150	-	1½ (38)	2 (51)

Note: Additional thicknesses, widths and other lengths available on special order. Contact Regional Sales Office for availability.



Surface Burning Characteristics

Microlite XG insulation meets the Surface Burning Characteristics and Limited Combustibility of the following standards:

Standard/Test Method

- ASTM E84
- UL 723
- NFPA 90A and 90B
- UL Guide No. 40 U8.3. Card R3711
- CAN/ULC S102-1188

Maximum Flame Spread Index	25
Maximum Smoke Developed Index	50

Note: Faced materials are tested as composite products (insulation, adhesive and facing).

Specification Compliance

ASTM C1290 Type 75, 100 & 150

ASTM C553*

Type II

Type 75, 100 & 150

Type III

Type 150

*For faced material: 250°F (121°C) maximum temperature.

ASTM C1136s†

Type II

FSK Facing

†Replaces HH-B-100B, Type II.

Canada: CGSB 51-GP-11M

NYC MEA 40-75-M

Green Building Certifications

Recycled Content	SCS Certified
ES 1350	Meets Requirements
ENERGY STAR®	Yes
LEED® Credits	See JM.com/buildgreen,
LEED® New Construction	JM LEED® Credit Guide (HG-1231)



PLUS FORMALDEHYDE FREE
CERTIFIED BY GREENGUARD
113-1412-1126



50% Recycled Content
20% Postconsumer
100% Recycled Kraft
113-1412-1126

Certified JM Formaldehyde-free™ Fiber Glass Insulation

Certified JM Formaldehyde-free™ fiber glass insulation offers superior thermal and acoustical performance—and it improves indoor air quality because it's made without formaldehyde. Why is that important? Because the U.S. Environmental Protection Agency (EPA) recommends limiting exposure to formaldehyde as much as possible, and the California Air Resources Board, a division of the California EPA, recommends that builders and architects use building materials and insulation made without formaldehyde.

Microlite® XG™

Formaldehyde-free™ Fiber Glass Duct Wrap Insulation

Application Recommendations

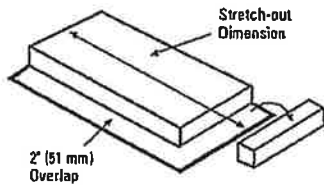
The R-value will vary depending upon how much the insulation is compressed during installation. To obtain the published installed R-values, the insulation stretch-out should be determined using the following table:

Duct Wrap Stretch-outs

Labeled Thick. (in)	Installed Compressed Thickness (in)	Stretch-out Dimension		
		Round	Square	Rectangular
1	0.75	P+ 7.0"	P+ 6.0"	P+ 5.0"
1½	1.125	P+ 9.5"	P+ 8.0"	P+ 7.0"
2	1.50	P+ 12.0"	P+ 10.0"	P+ 8.0"
2½	1.75	P+ 13.0"	P+ 11.0"	P+ 8.5"
3	2.25	P+ 17.0"	P+ 14.5"	P+ 11.5"

Stretch-outs include 2" (51 mm) for overlap. P = perimeter of duct to be insulated.

Prepare overlap by removing approximately 2" (51 mm) of insulation from facing.



Before applying duct wrap, sheet metal duct shall be clean, dry and tightly sealed at all joints and seams.

Wrap insulation around duct with facing to the outside so the 2" (51 mm) flap completely overlaps facing and insulation at the other end of stretch-out. Insulation shall be snugly butted.

Secure seams with outward clinching staples placed approximately 6" (152 mm) on center. If required, seal seam with pressure-sensitive tape designed for use with duct insulation. Insulation on the underside of ducts spanning 24" (610 mm) or greater shall be secured with mechanical fasteners and speed clips spaced approximately 18" (457 mm) on center. Fasteners should be cut off flush after the speed clips are installed, and when required, sealed with the same tape as specified above.

Adjacent sections of duct wrap insulation shall be snugly butted with the circumferential 2" (51 mm) tape flap overlapping and secured as recommended for the longitudinal seam. When a vapor seal is required, two coats of vapor retarder mastic reinforced with one layer of 4" (102 mm) wide, open-weave glass fabric may be used in lieu of pressure-sensitive tape.

Guide Specifications

Insulation for Metal Ducts. All ducts shall be insulated on the outside with a Formaldehyde-free™, flexible glass fiber blanket. Microlite XG Formaldehyde-free™ fiber glass duct wrap insulation should have a minimum installed R-value* of _____, and a Type _____ facing. Insulation shall be furnished with a factory-applied facing with a composite UL FHC rating of 25/50.

*The minimum insulation installed R-value should be determined in accordance to the duct operating and ambient conditions.

Thermal Conductivity (ASTM C518)

Type	k*		k	
	Compressed Thickness	W/m°C	Labeled Thickness	W/m°C
75	0.27	0.039	0.29	0.042
100	0.25	0.036	0.27	0.039
150	0.24	0.035	0.25	0.036

Conductivity at 75°F (24°C) mean temperature.

*Tested with material thickness compressed 25%.

Installed R-values

Type	Labeled Thickness		Installed "R"***		Out-of-Package "R"	
	in	mm	(hr-ft²°F)/Btu	m²°C/W	(hr-ft²°F)/Btu	m²°C/W
75	1½	38	4.2	0.74	5.2	0.92
	2	51	5.6	0.99	6.9	1.22
	2½	58	6.5	1.15	8.0	1.41
100	3	76	8.3	1.46	10.3	1.81
	1½	38	4.5	0.79	5.6	0.99
	2	51	6.0	1.06	7.4	1.30
150	1½	38	4.7	0.83	6.0	1.06
	2	51	6.3	1.11	8.0	1.41

***Installed R-value calculated with a material thickness compressed to a maximum of 25% following recommended duct wrap stretch-outs.



717 17th St.
Denver, CO 80202
(800) 654-3103
specJM.com

AHS-331 03/12 (Replaces 06/10)

North American Sales Offices, Insulation Systems

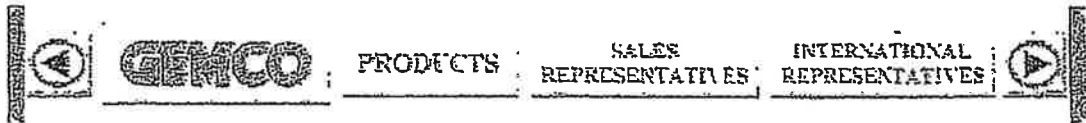
Eastern Region
P.O. Box 158
Defiance, OH 43512
(800) 334-2399
Fax: (419) 784-7866

Western Region and Canada
P.O. Box 5108
Denver, CO 80217
(800) 368-4431
Fax: (303) 978-4661

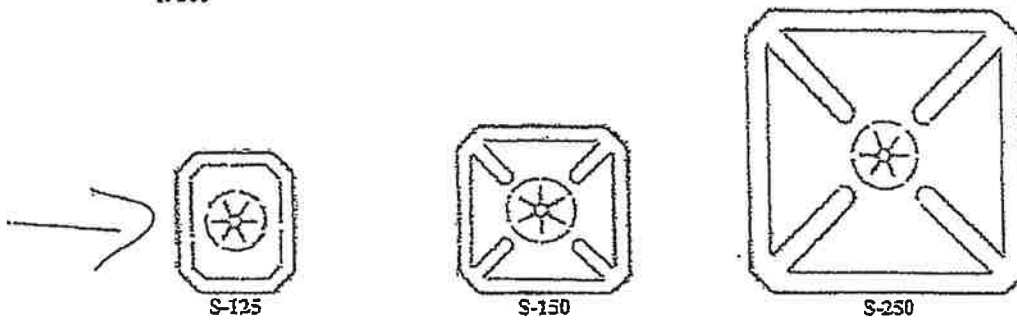
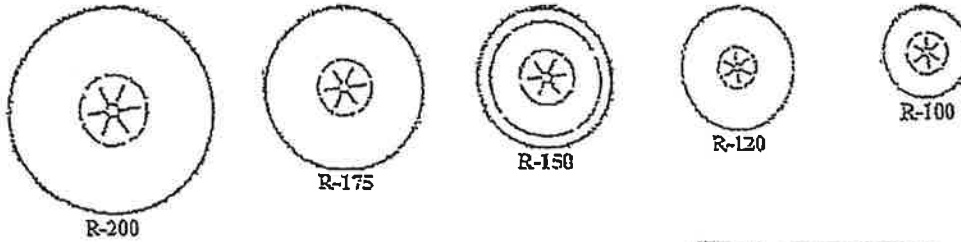
The physical and chemical properties of the Microlite® XG™ Formaldehyde-free™ fiber glass duct Wrap Insulation listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you to ensure current information. All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, including Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions, Limited Warranty and Limitation of Remedy, and information on other Johns Manville thermal insulation and systems, call (800) 654-3103.

♻️ Printed on recycled paper.

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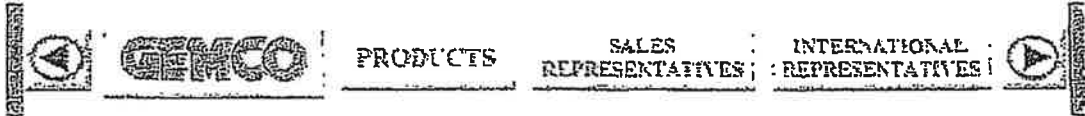
Self-Locking Washers - 10-12-14 Gauge



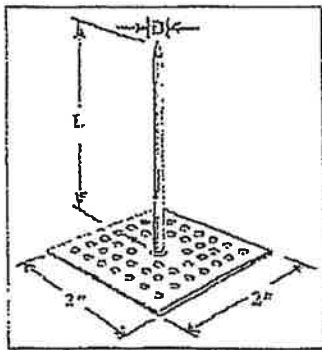
SELF LOCKING WASHERS SPECIFICATION					
Type	S-250	S-150	S-125	R-175	R-150
Size or diameter	2 1/2" x 2 1/2"	1 1/2" x 1 1/2"	1" x 1 1/4"	1 1/4"	1 1/4"
Thickness	.016	.016	.016	.016	.016
Material	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
Plating	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized
Edge	Rounded	Rounded	Rounded	Flat	Rounded
Other materials available	Alum., S.S.	Alum., S.S.	Alum., S.S.	Alum., S.S.	Alum., S.S.



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Insulation Hangers

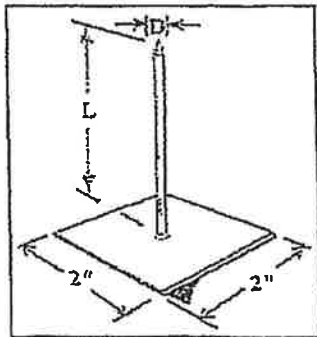


PERFORATED BASE
(ADHESIVE REQUIRED)

Perforated Base Insulation Hangers -
Instructions (PDF)

PERFORATED HANGER SPECIFICATIONS	
"D"	"L"
12 Ga. (1RS)	3/4" minimum 16" maximum

- NAIL:** Low Carbon Steel, copper coated. (Aluminum and Stainless Steel nails available on special order.)
- ANNEALING:** All steel pins are fully annealed unless otherwise specified.
- BASEPLATE:** Low Carbon Steel, galvanized.
- ACCESSORIES:** Click for self locking washers in a variety of sizes, shapes and materials.



PEEL & PRESS
(SELF-STICKING)

Peel & Press Insulation Hangers -
Instructions (PDF)

PEEL & PRESS SPECIFICATIONS	
"D"	"L"
12 Ga. (1RS)	3/4" minimum

- NAIL:** Low Carbon Steel, copper coated. (Aluminum and Stainless Steel nails available on special order.)
- ANNEALING:** All steel pins are fully annealed unless otherwise specified.
- BASEPLATE:** Low Carbon Steel, galvanized.
- ACCESSORIES:** Click for self locking washers in a variety of sizes, shapes and materials.



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PEOPLE CREATING EXCEPTIONAL VALUE

#110
FOIL SCRIM KRAFT
(FSK) TAPE
UL LISTED
TAPE DIVISION

PRODUCT:

Compac #110 Foil Scrim Kraft Tape (FSK) with Acrylic Adhesive.

PRINCIPAL USES:

Compac #110 Foil Scrim Kraft (FSK) tape with Acrylic Adhesive is UL listed and is designed to provide a high quality long lasting closure material. #110 is engineered to seam and seal fiber glass duct board and duct wrap, enhancing appearance and maintaining vapor barrier integrity. Another primary use is for patching of pre-engineered metal buildings.

FEATURES AND BENEFITS:

Compac #110 FSK Tape features an aggressive, all-temperature rated acrylic adhesive system that adheres tightly when smoothed down on work surfaces. Service temperatures of -25°F (-32°C) to 150°F (66°C) and application temperatures of 10°F (-12°C) to 150°F (66°C) are now available through Compac technology.

Compac #110 FSK Tape carries a UL 10/0 rating on flame spread and smoke generated, far exceeding the industry standard of 25/50. Compac is known for its quality and industry leadership and remains the *only* manufacturer in the world of both vapor barrier facings and pressure sensitive insulation tapes.

TECHNICAL DATA:

<u>CATEGORY</u>	<u>DATA</u>	<u>TEST METHOD</u>
Substrate	Foil/Scrim/Kraft Laminate	
Adhesive	Acrylic (clear)	
Tape thickness without liner	8 mils (0.20 mm)	
Color	Silver Metallic	
Adhesion to Steel	90 oz/inch (98N/100mm)	PSTC - 1 ASTM D3330
Tensile Strength	30 lbs/inch (525N/100mm)	PSTC-31 ASTM D3759
Elongation	1%	PSTC-31 ASTM D3759
Permeance	0.02 Perms (0.013)	ASTM E-96
UL Recognition	UL File #R6131	UL 723 ASTM E-84
Flame Spread	10	UL 723 ASTM E-84
Smoke Generated	0	UL 723 ASTM E-84

SURFACE PREPARATION: The surface to which the tape is applied should be dry, clean, and free of grease and oil.

STORAGE TEMPERATURE: Tape should be stored in cool, dry area at temperatures of 60°F (16°C) to 80°F (-27°C).

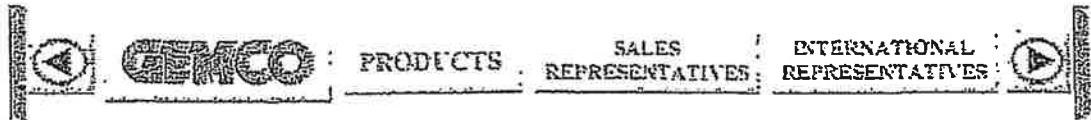
CAUTION: All physical properties listed above have been obtained from random laboratory testing and should not be used for the purpose of writing specifications. **THIS PRODUCT SHOULD BE TESTED TO DETERMINE THE SUITABILITY FOR ITS INTENDED USE.**

THESE ARE NO WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCTS DISCUSSED HEREIN.

In the event of Compac's liability, whether based on contract, tort, negligence, strict liability or otherwise, Purchaser's sole and exclusive remedy shall be limited to, at Compac's option, the replacement by Compac of any accessories or materials for which claim is made by Purchaser in accordance with these terms and conditions or to the advance of a credit for the portion of the purchase price paid by the Purchaser attributable to the nonconforming goods. Compac shall not be liable for incidental or consequential or any other losses, damages or expenses, directly or indirectly arising from the sale, manufacture, handling or use of the goods or from any other cause relating thereto. Any action brought relating to the goods must be commenced within one year from the date such cause of action arose.

DS-110 Rev # 3
Rev Date: 09/02/03

COMPAC INDUSTRIES, INC. • 150 Fieldcrest Avenue • Edison, New Jersey 08837
732/225-2080 • 800/631-5308 • Fax 732/225-2709



Tuff-Bond Adhesive

TUFF-BOND HANGER ADHESIVE

For bonding metal and nylon insulation hangers and similar clips to metal, concrete, or masonry walls and ceilings. Service temperatures from -30° F. to 250° F.

[Product Information Sheet](#) [Product Information Sheet \(PDF\)](#)

[Material Safety Data Sheet](#)

[Material Safety Data Sheet \(PDF\)](#)

Size	Coverage
Hanger Adhesive 1 Gallon	500-1000 Hangers
Hanger Adhesive 1 Quart	125-250 Hangers

IMPORTANT NOTICE:

All statements, technical information and recommendations by Goodloe E. Moore, Inc. (GEMCO) are based on information or tests that GEMCO believes to be reliable. However, GEMCO cannot guarantee their accuracy or completeness. The buyer or user should conduct his/her own tests of any adhesive product before use to determine proper preparation technique and suitability for the proposed application. GEMCO DISCLAIMS THE WARRANTIES OF FITNESS AND MERCHANTABILITY FOR A PARTICULAR PURPOSE. In no case will GEMCO be liable for direct, consequential, economic or other damages, except to replace the product or refund the buyer's purchase price. Contact your GEMCO representative for product specifications and application information.



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Pedro Falcon Contractors

General & Electrical Contracting

31160 Avenue C, Big Pine Key, FL 33043-4516
(305) 872-2200 • Fax (305) 872-2219 • falconel@bellsouth.net
CGC1507617 | EC13003416

Request for Change Order Revised 23 December 2015

Project: Marathon City Hall

Change Order Request No: PCO - 020

Description: Owner Requested Roof Drain Piping to Swales/Delete Type D Curb

- Additional Underground Piping from Roof Downspouts to Swales Per Paving, Grading and Drainage Plan Revision 11 Dated 2015.11.02 and Delete Type D Curb

Subcontractor – B & L Beneway

Material (All Material ADS).....	\$3,100.00
Labor/Equipment 40 Hours @ 225.00.....	\$9,000.00
Subtotal.....	\$12,100.00
5% Overhead.....	\$605.00
Subtotal.....	\$12,705.00
10% Profit.....	\$1,270.50
Total B & L Beneway.....	\$13,975.50

Pedro Falcon Field Coordination:

8 Hours @ \$55.00.....\$440.00

Pedro Falcon Site General Conditions

\$50 Per Calendar Day.....\$0.00

Delete Approx. 860 LF of

Type D Curb @ \$15 P/LF.....<\$12,900.00>

SUBTOTAL.....\$1,515.55

Overhead @ 10%.....\$151.55

Subtotal.....\$1,667.05

Profit @ 5%.....\$83.35

Subtotal.....\$1,750.40

Payment & Performance Bond @ 1%.....\$17.50

TOTAL ALL OF THE ABOVE:.....\$1,767.90

Net Amount of Request for Change Order:.....\$1,767.90

Additional Time Requested for Change:

Additional Time Extension for this work is expected to fall within timeframe for pending modifications therefore no time extension is requested at this time

This proposal only encompasses the item(s) specifically outlined above and does not include any other items, whether stated or inferred, in any other documents. The terms set forth in this proposal shall have precedence over any other agreement and this proposal shall be included in any modification agreement.

Respectfully Submitted,



Ken Bygler
Project Manager

B & L BENEWAY, INC.

936 CRANE BOULEVARD
SUGARLOAF, FL 33042

TELEPHONE: 305-743-4394

FAX: 305-743-4294

December 1, 2015

Pedro Falcon Electrical &
General Contractors
31160 Avenue C
Big Pine, FL 33043
Attn: Ken Bygler
Email: kenbygler@bellsouth.net
Fax (305) 872-2219

MARATHON CITY HALL ROOF DRAINS PROPOSAL

B & L Beneway, Inc. hereby proposes the following scope of work. Install roof drains as per plans.
All materials shall be ADS.

Material	\$ 3,100.00
Labor 40 Hours @ \$225.00	<u>9,000.00</u>
Sub-Total	\$12,100.00
5% Overhead	<u>605.00</u>
Sub-Total	\$12,705.00
10% Profit	<u>\$ 1,270.50</u>
TOTAL	<u>\$13,975.50</u>

