

## Project Order Modification (P.O.M.) #5 for Project Order 95

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PROJECT NAME: <u>Admirals Club Infrastructure &amp; New Stair</u>	PROJECT ORDER No: <u>X113A</u>
CONTRACT TITLE: <u>Miscellaneous Construction Contracts, MCC-8-10</u>	DATE: <u>3/29/21</u>
CONTRACTOR: <u>MCM Corporation</u>	PAGES: <u>1</u>

The contractor is hereby authorized to make the following changes to the current contract and perform the work subject to all contract stipulations and covenants. Except as otherwise specifically set forth herein, the terms and conditions for the Project Order remain unchanged.

<u>RWP# 19r.2</u>	<b>AMOUNT:</b>	Direct Cost: \$ 11,976.57 MCC Fee: \$ <u>953.33</u> Total: \$ 12,929.90
	<b>DESCRIPTION OF WORK:</b>	Replace existing dampers.
	<b>REASON FOR CHANGE:</b>	Unforeseeable Change
	<b>JUSTIFICATION:</b>	Some of the existing dampers were in poor condition, and others were not working. Therefore, MDAD requested this change in order to properly work for the new AHUS units in place and meet code requirements.
	<b>METHOD OF PAYMENT:</b>	Lump Sum
<u>RWP# 22</u>	<b>AMOUNT:</b>	Direct Cost: \$ 298,904.82 MCC Fee: \$ <u>23,792.82</u> Total: \$ 322,697.64
	<b>DESCRIPTION OF WORK:</b>	Install new required electrical conduits through new specified path at the fourth and fifth floors.
	<b>REASON FOR CHANGE:</b>	Unforeseeable Change
	<b>JUSTIFICATION:</b>	Original path was blocked and made it impossible for new required conduits, which a new path for conduits is necessary to meet the project scope requirements and complete the project.
	<b>METHOD OF PAYMENT:</b>	Lump Sum
<u>RWP# 24</u>	<b>AMOUNT:</b>	Direct Cost: \$ 1,358.05 MCC Fee: \$ <u>108.10</u> Total: \$ 1,466.15
	<b>DESCRIPTION OF WORK:</b>	Remove existing supply air duct.
	<b>REASON FOR CHANGE:</b>	Unforeseeable Change.
	<b>JUSTIFICATION:</b>	Supply air duct cannot cross the fire rated partition to comply with code requirements. Therefore, it is necessary to cut and remove that portion.
	<b>METHOD OF PAYMENT:</b>	Lump Sum
<u>RWP# 25</u>	<b>AMOUNT:</b>	Direct Cost: \$ 6,903.49 MCC Fee: \$ <u>549.52</u> Total: \$ 7,453.01
	<b>DESCRIPTION OF WORK:</b>	Provide pneumatic air connector to the VAV box.
	<b>REASON FOR CHANGE:</b>	Unforeseeable Change.
	<b>JUSTIFICATION:</b>	A field investigation was needed in order to find out why the VAV box was not working. The pneumatic air connector is what will allow us to see if the VAV box was properly functioning.
	<b>METHOD OF PAYMENT:</b>	Lump Sum
<u>RWP# 27r.1</u>	<b>AMOUNT:</b>	Direct Cost: \$ 13,541.11 MCC Fee: \$ <u>1,077.92</u> Total: \$ 14,619.03

**DESCRIPTION OF WORK:** Demolish and replace ceiling tiles  
**REASON FOR CHANGE:** Unforeseeable Change.  
**JUSTIFICATION:** Existing ceiling tiles are deteriorated and has fallen of the grid. It is necessary to have the ceiling in place to acquire approval of final inspection.  
**METHOD OF PAYMENT:** Lump Sum

RWP# 29 **AMOUNT:** Direct Cost: \$ 39,948.10  
MCC Fee: \$ 3,179.86  
Total: \$ 43,127.96

**DESCRIPTION OF WORK:** Replace existing ceiling lights with new.  
**REASON FOR CHANGE:** Unforeseeable Change.  
**JUSTIFICATION:** New ceiling tiles are not compatible with existing ceiling lights and new lights are to follow the airport new standard. For the completion of the new ceiling, it is necessary to install the light fixtures that comply with airport standards.  
**METHOD OF PAYMENT:** Lump Sum

RWP# 31r.1 **AMOUNT:** Direct Cost: \$ 15,434.64  
MCC Fee: \$ 1,228.60  
Total: \$ 16,663.24

**DESCRIPTION OF WORK:** Provide power to all doors with conduits, cables, and boxes.  
**REASON FOR CHANGE:** Regulatory Change.  
**JUSTIFICATION:** For proper functioning of the new doors, the existing ceiling tiles need to be removed and re-installed after all conduits are connected and powered.  
**METHOD OF PAYMENT:** Lump Sum

RWP# 32r.1 **AMOUNT:** Direct Cost: \$ 38,127.58  
MCC Fee: \$ 3,034.96  
Total: \$ 41,162.54

**DESCRIPTION OF WORK:** Installation of the matrix card readers, and devices.  
**REASON FOR CHANGE:** County Requested Change.  
**JUSTIFICATION:** New security doors require Matrix Card readers for proper security control access at the CBP area.  
**METHOD OF PAYMENT:** Lump Sum

RWP# 33 **AMOUNT:** Direct Cost: \$ 41,431.88  
MCC Fee: \$ 3,297.97  
Total: \$ 44,729.85

**DESCRIPTION OF WORK:** Connect 4<sup>th</sup> floor fire alarm to room E-1505 on the 1<sup>st</sup> floor.  
**REASON FOR CHANGE:** Regulatory Change.  
**JUSTIFICATION:** New fire door needs to be connected to the fire alarm, and It is necessary to have the new fire door fully functioning to pass inspection.  
**METHOD OF PAYMENT:** Lump Sum

RWP# 35 **AMOUNT:** Direct Cost: \$ 5,522.70  
MCC Fee: \$ 439.60  
Total: \$ 5,962.30

**DESCRIPTION OF WORK:** Connect all security doors to the fire alarm system.  
**REASON FOR CHANGE:** Regulatory Change.  
**JUSTIFICATION:** New doors need to be connected to fire alarm for safety purposes. Once doors are installed, it is necessary to have them fully functioning.  
**METHOD OF PAYMENT:** Lump Sum

**RWP# 36** AMOUNT: Direct Cost: \$ 39,792.99  
MCC Fee: \$ 3,167.53  
Total: \$ 42,960.52  
DESCRIPTION OF WORK: Provide and install breaker.  
REASON FOR CHANGE: Unforeseeable Change.  
JUSTIFICATION: Original scope calls for a new breaker that will support the new updated Admiral's club. It was to investigate the breaker and once the specs were acquired, to submit estimate to purchase.  
METHOD OF PAYMENT: Lump Sum

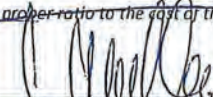
**RWP# 37** AMOUNT: Direct Cost: \$ 3,773.33  
MCC Fee: \$ 300.36  
Total: \$ 4,073.69  
DESCRIPTION OF WORK: Provide and install drywall above new fire door(E-4450-2).  
REASON FOR CHANGE: Regulatory Change.  
JUSTIFICATION: Existing door has transom VS. new door E-4450-2 (Fire Door) with no transom. Therefore, It is necessary to close the space above the door with fire rated partition wall.  
METHOD OF PAYMENT: Lump Sum

**SUMMARY OF PROJECT ORDER (P.O.) AMOUNT**

REASON FOR CHANGE:	ORIGINAL P.O. AMOUNT	\$ 1,730,240.46
Regulatory Change	COST OF CONSTRUCTION CHANGES PREVIOUSLY ORDERED	\$ 0.00
Other Agency Requested Change	ADJUSTED P.O. AMOUNT PRIOR TO THIS P.O.M.	\$ 1,730,240.46
Design Errors Change	COST OF CONSTRUCTION CHANGES THIS P.O.M.	\$ 557,845.83
Design Omission Change	ADJUSTED P.O. AMOUNT INCLUDING THIS P. O. M.	\$ 2,288,086.29
County Requested Change		
Unforeseeable Change	PERCENT INCREASE, THIS P.O. M.	33.8 %
Other	TOTAL PERCENT INCREASE TO DATE	33.8 %


EXTENSION OF TIME ALLOWED BY THIS CHANGE \_\_\_\_\_ CALENDAR DAYS TO \_\_\_\_\_


A/E CERTIFYING STATEMENT: I hereby certify that the supporting cost data included is, in my considered opinion, accurate; that the prices quoted are fair and reasonable and in proper ratio to the cost of the original work contracted for under benefit competitive bidding.

By:  3/30/21  
ACCEPTED: GENERAL CONTRACTOR DATE  
PRINT NAME: Juan Munilla

By:  3-31-2021  
APPROVED: PROJECT CONSULTANT DATE  
PRINT NAME: Andrew Silva, AIA (Silva Architects)

By:  3/31/21  
APPROVED MDAD PROJECT MANAGER DATE  
PRINT NAME: Patricia Gomez

By:  NA  
APPROVED: CONSULTING ENGINEER (HNTB) DATE  
PRINT NAME:

By:  3/31/21  
APPROVED: MDAD CHIEF OF CONSTRUCTION DATE  
PRINT NAME: Enrique Perez

By:  3/31/21  
APPROVED: MDAD AST. DIRECTOR OF FAC. DEV. DATE  
PRINT NAME: Pedro F. Hernandez, P.E.

By: Sergio San Miguel  
Digitally signed by Sergio San Miguel  
DN: cn=Sergio San Miguel, o=MDAD,  
ou=Finance, email=ssanmiguel@miami-airport.com, c=US  
Date: 2021.04.14 16:18:31 -04'00'  
APPROVED: MDAD CHIEF FINANCIAL OFFICER DATE  
PRINT NAME: Sergio San Miguel

# Purchase Order

## AVIATION DEPARTMENT

4200 NW 36TH Street  
Miami FL 33102  
United States

**Supplier:** 0000016621  
MUNILLA CONSTRUCTION MANAGEMENT, LLC  
MCM LOCK BOX ACCOUNT  
P.O. BOX 829931  
PHILADELPHIA PA 19182

### CHANGE ORDER

Dispatch via Print

<b>Purchase Order</b>	<b>Date</b>	<b>Revision</b>	<b>Page</b>
AVIAT-1000017643	08/08/2019	6 - 04/14/2021	1
<b>Payment Terms</b>	<b>Freight Terms</b>	<b>Ship Via</b>	
N30	Destination	Common Carrier	
<b>Buyer</b>	<b>Phone</b>	<b>Currency</b>	
VIVIAN Reina GONZALEZ-MD			

**Ship To:** 1C30401C  
Warehouse Bldg 3040  
4331 NW 22nd Street  
Miami FL 33122  
United States

**Attention:** Not Specified

**Bill To:** Accounts Payable  
P.O. Box 526624  
MIAMI FL 33152-6624  
United States

**Tax Exempt?** Y **Tax Exempt ID:** 59-6000573

**Replenishment Option:** Standard

Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
1- 1	Project Order 95, Project X113A - MIA AA Admiral Club Infrastructure and New Stairs POMs 1 - 5, EA301 AV1499 Acct 724448		1.00	EA	2,288,086.29	2,288,086.29	08/08/2019

Contract ID: MCC-8-10

Contract Line: 6 Category Line: 0 Release: 267

**Item Total** 2,288,086.29

**Total PO Amount** 2,288,086.29

**Note:** All Chemical and hazardous material orders must be delivered with a copy of the most recent available MSDS for the product. Failure to do so, may result in the refusal of acceptance of the material or product.

**Authorized Signature**  
**Vivian R. Gonzalez**

Digitally signed by Vivian R. Gonzalez  
DN: cn=Vivian R. Gonzalez, o=MDAD, ou=Program  
Controls, email=vgonzalez@miami-airport.com, c=US  
Date: 2021.04.14 12:39:56 -0400

**Project No:** X113A – MIA AA Admiral Club’s Infrastructure & New Stair  
**Title:** RWP #019r2 – Replacing Dampers

**Contractor:** MCM

**Review By:** D. Adler  
**Date:** 8/27/20

**Proposed Amount** \$14,237.20\*  
**Reviewed Amount** \$11,418.35\*

*\*MCM Fee of 7.96% applied*

**Change Management:**

**RIB U.S. COST Review for cost only.**

**Air.Zone**  
**Proposed Amount** \$13,187.48  
**Reviewed Amount** \$10,576.57

The scope of work reviewed included the replacement of 4 emergency system dampers.

- See attached breakdown.
- AIR.ZONE supplied backup form CORS-AIR for the purchase of the 38" x 24" Smoke Damper with Pneumatic Actuators.
- AIR.ZONE supplied a labor hour breakdown for their labor by task using (3) men.
- AIR.ZONE included a Labor Burden of 25.41%; CM Review adjusted it to the 17.05% 2020 approved labor burden.
- CM review assumed a total 520 pounds of ductwork.
- CM review used the Miami-Dade Responsible Wages and Benefits for 2020 including benefits for Sheet Metal Worker.
- CM review split the labor between (2) Fitter 65% and (1) Foreman 35%.
- CM review included the Miami-Dade Sales Taxes @ 7% on Materials.





# Transmittal #34

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #19r.2

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**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 08/05/2020

**COPIES TO:**

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TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #19r.2	Other	08/05/ 2020	1

### Comments

Emailed 8/5/2020

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



August 5, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #19R.2**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This 2<sup>nd</sup> revision to RWP #19 is being submitted to eliminate the cost of a third party inspector which reduces the cost of the previously submitted RWP #19r.1. This proposal is being submitted because MDAD has confirmed that the dampers are required to be replaced due to very poor conditions and to meet code specification. Therefore, the need to have them tested is not required. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
Air.Zone	See Attached	\$13,187.48

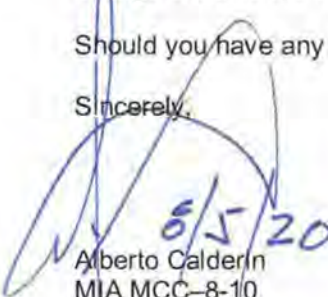
MCC Fee (.0796%): \$1,049.72  
TOTAL: \$14,237.20

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

  
Alberto Calderin  
MIA MCC-8-10  
General Manager

Cc: File



MECHANICAL CONTRACTOR

Project : MIA AA Admiral Club  
**PROPOSED CHANGE ORDER # 8 (rev-1)**  
 RWP#16R1  
 Date: 07-27-20

**BREAKDOWN**

DESCRIPTION	UNIT	QTY.	MATERIAL	LABOR	SUBCONT.	TOTAL	O& PROFIT	TOT. INC. O & PROFIT
Delolition of (4) smoke dampers	Ea	1	\$ -	\$ 960.00	\$ -	\$ 960.00	\$ 154.08	\$ 1,114.08
Intall (4) new smoke dampers	Ea	1	\$ 3,020.00	\$ 1,920.00		\$ 4,940.00	\$ 741.00	\$ 5,681.00
New sheet metal ductworks	Ea	1	\$ 650.00	\$ 1,920.00	\$ -	\$ 2,570.00	\$ 385.50	\$ 2,955.50
Test (4) new smoke dampers	Ea	1	\$ -	\$ 1,200.00		\$ 1,200.00	\$ 180.00	\$ 1,380.00
Smoke system third party inspection	Ea	1	\$ -	\$ -		\$ -	\$ -	\$ -
				\$ -		\$ -	\$ -	\$ -
<b>SUB TOTAL</b>			<b>\$ 3,670.00</b>	<b>\$ 6,000.00</b>	<b>\$ -</b>	<b>\$ 9,670.00</b>	<b>\$ 1,460.58</b>	<b>\$ 11,130.58</b>

**NOTE:** Pneumatin controls by honeywell

Third Party inspection not included

Approved by:

Date:

Labor Burden	\$ 1,800.00
Insurance	\$ -
Supervision	\$ -
Material Tax	\$ 256.90
<b>SUB TOTAL</b>	<b>\$ 2,056.90</b>
<b>TOTAL</b>	<b>\$ 13,187.48</b>

7/27/20

**COMPANY: Air Zone Inc.**  
**REFERENCE: MIA - Admiral Club**  
**Location:**  
**Description:**

**DATE: 5/12/2020**

LABOR							
CLASIFICATION	Days	HOURS	Reg. Rate	Burden %	Uniforms	RATE	TOTAL
<b>Demolition</b>							
Foreman	8		\$ 41.98	30.00%	\$ 54.57	\$ -	\$ 436.56
Mechanic	8		\$ 39.31	30.00%	\$ 51.10	\$	\$ 408.80
Mechanic	8		\$ 39.31	30.00%	\$ 51.10	\$	\$ 408.80
<b>Install (4) new smoke dampers</b>							
Foreman	16		\$ 41.98	30.00%	\$ 54.57	\$	\$ 873.12
Mechanic	16		\$ 39.31	30.00%	\$ 51.10	\$	\$ 817.60
Mechanic	16		\$ 39.31	30.00%	\$ 51.10	\$	\$ 817.60
<b>New Sheet metal duct</b>							
Foreman	16		\$ 41.98	30.00%	\$ 54.57	\$	\$ 873.12
Mechanic	16		\$ 39.31	30.00%	\$ 51.10	\$	\$ 817.60
Mechanic	16		\$ 39.31	30.00%	\$ 51.10	\$	\$ 817.60
<b>Test (4) new smoke dampers</b>							
Foreman	8		\$ 41.98	30.00%	\$ 54.57	\$	\$ 436.56
Mechanic	8		\$ 39.31	30.00%	\$ 51.10	\$	\$ 408.80
Mechanic	8		\$ 39.31	30.00%	\$ 51.10	\$	\$ 408.80
<b>Third party inspection</b>							
Foreman			\$ 41.98	30.00%	\$ 54.57	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -

**TOTAL LABOR \$ 7,524.96**

MATERIAL			
CLASIFICATION	HOURS / QTY	RATE	TOTAL
New smoke dampers	4	\$ 755.00	\$ 3,020.00
New sheet metal duct	1	\$ 650.00	\$ 650.00
Micelaneos materials	1	\$ 14.50	\$ 14.50
			\$ -
			\$ -
			\$ -

**MATERIAL TOTAL \$ 3,684.50**

**TAX 7% \$ 257.92**

**TOTAL MATERIAL \$ 3,942.42**

**TOTAL \$ 11,467.38**

LABOR	\$ 7,524.96
MATERIAL	\$ 3,942.42
SUBTOTAL	\$ 11,467.38
O&P 15 %	\$ 1,720.11
TOTAL	\$ 13,187.48

RWP #19.R2

**Ruben DaGama**

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**From:** Ruben DaGama  
**Sent:** Tuesday, July 28, 2020 10:46 AM  
**To:** Leticia Green  
**Cc:** Ginny Mirabal  
**Subject:** MCC-8-10 Admiral Club's = RWP #19r.1 Replacing Dampers  
**Attachments:** CO -8 (rev-1).pdf; Model C.O. verification Excell.xlsx; ADM - Air Zone CO #8 - Replacement of Fire Dampers -verification2.xlsx

**Categories:** Verde

Leticia,

This is a new revision (2<sup>nd</sup>) for RWP #19r.1 that changes the final value from the previous \$ 13,613.12 to revised \$13,187.48, after the contractor removed the third party inspector as requested by MDAD and corrected the hours.

I am schedule to the office tomorrow.

Greetings,

Ruben DaGama  
PH: 305-541-0000

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**From:** Alberto Garcia [mailto:alberto@air.zone]  
**Sent:** Monday, July 27, 2020 5:02 PM  
**To:** Ruben DaGama  
**Subject:** RE: MCC-8-10 Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

Hi Ruben,

As per your request, please see attached.

If you have any questions or concerns please don't hesitate to call me.

Thank you,

**Alberto Garcia**  
**AIR.ZONE, INC.**

P: 877-7000-AIR M: 786-930-8749  
F: 877-700-1915 E: alberto@air.zone  
W: www.air.zone  
A: 27681 SW 139th Pl. Homestead, FL 33032

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**From:** Ruben DaGama <rdagama@mcm-us.com>  
**Sent:** Monday, July 27, 2020 3:27 PM  
**To:** Alberto Garcia <alberto@air.zone>  
**Cc:** 'Gomez, Patricia (Aviation)' <PGomez@miami-airport.com>  
**Subject:** FW: MCC-8-10 Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

Alberto,

I had a phone conversation with Patricia and we need to confirm you made and send the changes at your revision to the RWP #19r1.

going to remove the third party inspection from the Air Zone RCD No. 8

The correct hours amount is 150 hours, sorry

Please inform.

Greetings,

Ruben DaGama  
PH: 305-541-0000

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**From:** Ruben DaGama  
**Sent:** Tuesday, June 30, 2020 12:20 PM  
**To:** 'Alberto Garcia'  
**Cc:** 'Gomez, Patricia (Aviation)'; Juan Carlos Llanes; Ginny Mirabal; Leticia Green  
**Subject:** MCC-8-10 Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

Alberto,

Please confirm the changes bellow [\(in blue\)](#) at your proposal for the replacement of the Purge System Dampers.

Also the new submittal for the louvers to be approved by the engineer, if it impacts the proposal.

Thank you.

Greetings,

Ruben DaGama  
PH: 305-541-0000

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**From:** Gomez, Patricia (Aviation) [<mailto:PGomez@miami-airport.com>]  
**Sent:** Tuesday, June 30, 2020 12:06 PM  
**To:** Ruben DaGama  
**Subject:** Fw: X113A - MIA - AA Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

Good afternoon Ruben,

As per our conversation please provide revised RWP 19.

Thank you,

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**From:** Adler, Dave <[dave.adler@RIB-UScost.com](mailto:dave.adler@RIB-UScost.com)>  
**Sent:** Monday, June 29, 2020 2:25 PM  
**To:** Gomez, Patricia (Aviation) <[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)>  
**Cc:** Chardiet-Medina, Maite <[maite.chardiet-medina@rib-uscost.com](mailto:maite.chardiet-medina@rib-uscost.com)>  
**Subject:** RE: X113A - MIA - AA Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

This is an EXTERNAL email. **Exercise Caution.** DO NOT open attachments or click links from unknown senders or unexpected emails. Please use your Report Spam button if this is a suspicious message.

Good Afternoon Patricia,

Thank you for this information.

Based on air.zone's comments below, will they be resubmitting this RWP #19r.1 showing the revised total less the third party inspection?

The reason I ask is that air.zone also has labor hours charged against the testing and the third party inspections. And also the bottom line markups for both air.zone and MCM are based on the total installed labor and material costs. Best Regards,

**David Adler** | Senior Estimator  
T: 1 (561) 966-5552 C: 1 (973) 725-2021

[www.rib-uscost.com](http://www.rib-uscost.com)  
RIB U.S. COST

[www.rib-software.com](http://www.rib-software.com)

**From:** Gomez, Patricia (Aviation) <[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)>  
**Sent:** Monday, June 29, 2020 2:21 PM  
**To:** Chardiet-Medina, Maite <[maite.chardiet-medina@rib-uscost.com](mailto:maite.chardiet-medina@rib-uscost.com)>; Adler, Dave <[dave.adler@RIB-UScost.com](mailto:dave.adler@RIB-UScost.com)>  
**Subject:** FW: X113A - MIA - AA Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

Good afternoon Maite/Dave,

See below responses and the attached plan is all I could get from them.  
Thank you,

**From:** Ruben DaGama <[rdagama@mcm-us.com](mailto:rdagama@mcm-us.com)>  
**Sent:** Monday, June 29, 2020 2:06 PM  
**To:** Gomez, Patricia (Aviation) <[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)>  
**Cc:** 'Alberto Garcia' <[alberto@air.zone](mailto:alberto@air.zone)>; Juan Carlos Llanes <[jllanes@mcm-us.com](mailto:jllanes@mcm-us.com)>  
**Subject:** X113A - MIA - AA Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

This is an EXTERNAL email. **Exercise Caution.** DO NOT open attachments or click links from unknown senders or unexpected emails. Please use your Report Spam button if this is a suspicious message.

Patricia,

I attached a drawing in JPG with the Dampers location at the electric rooms on the 5<sup>th</sup> floor.

Greetings,

Ruben DaGama  
PH: 305-541-0000

---

**From:** Alberto Garcia [<mailto:alberto@air.zone>]  
**Sent:** Thursday, June 25, 2020 8:45 AM  
**To:** Gomez, Patricia (Aviation); Ruben DaGama  
**Subject:** RE: X113A - MIA - AA Admiral Club's Infrastructure & New Stair - RWP #19r.1 Replacing Dampers

Good morning team,

As per your request, please see below:

Air.Zone still has not supplied sketches or drawings for the installation location.

That will help determine if the labor hour are reasonable for this location.

We do not have drawing for this area, the job will be on Terminal E/5<sup>th</sup> floor/Admiral Club hotel/mechanical rooms.

Air.Zone did not supply backup for the sub-contactor for testing and they have two different costs,

One place they have \$3,500.00 and the emails it is listed at \$4,393.00

If Honeywell will be certifying the operation of the dampers then that cost should be Honeywell's

Would Air.Zone also be supervising the testing or would it be only Honeywell?

Will Honeywell be submitting an RWP for this work also?

going to remove the third party inspection from the Air.Zone RCO No. 8

Air.Zone labor breakdown has in one place 150 hours for three people and if you back into the by dividing the cost it equals 88 hours.

Which labor hours are correct?

150 hours seem to be excessive to remove and reinstall replacement smoke dampers, but 88 hours might reasonable.

The correct hours amount is 150 hours, sorry.

Air.Zone used the MDRW 2020 wage table for Sheet Metal Worker which correct for this type of work.

Wages:

Foreman --- \$41.98

Mechanic -- \$39.31

If you have any questions or concerns please don't hesitate to call me.

Thank you,

**Alberto Garcia**  
**AIR.ZONE, INC.**

P: 877-7000-AIR M: 786-930-8749

F: 877-700-1915 E: alberto@air.zone

W: www.air.zone

A: 27681 SW 139th Pl. Homestead, FL 33032



# Transmittal #27

MCM  
6201 SW 70th Street 2nd Floor  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #22

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**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 05/15/2020

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #22	Other	05/15/ 2020	1

### Comments

Emailed 5/15/2020

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



May 12, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club’s Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #22**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal refers to the changes necessary to the electrical conduits of the project at the Forth and Fifth floors. Initially, the three bid set drawings (attached) showed the conduits were much longer than the floor plans and the existing condition of the ceilings made it impossible for new conduits required. A walkthrough took place with the presence of MDAD representatives and a new path was approved. The new path shows the conduits going down from the second floor to the first floor before the run could go back up again to the fifth floor, as it shows in the five set Drawings - CO#6. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
ARO Electrical	See Attached	\$298,904.82

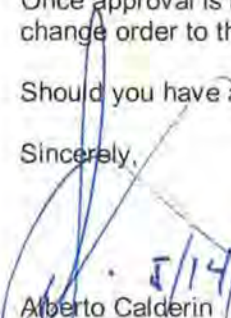
MCC Fee (.0796%):	\$23,792.82
<b>TOTAL:</b>	<b>\$322,697.64</b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

  
5/14/20  
Alberto Calderin  
MIA MCC-8-10  
General Manager

Cc: File

COMPANY: ARO Electrical Contractor, Inc

DATE: 5/2/2020

REFERENCE: MIA - AA Admiral's Club MDAD Infrastructure and New Stair X113A

Location: Multiple

Description: Additional conduit length of new conduit route.

a) Additional costs for installing (2) two 4" conduits, pull rope, and cable according to new conduit route between Switchgear Room and AA Amiral's Club.

b) Install (9) nine additional pull boxes.

c) Rental costs for Cable Puller, Cable Wheel Stands, and Material Lift.

d) 80 LF THHN #600 and 20 LF THHN #1/0 per pull box added.

e) 5% Conduit length added for Cut Waste.

f) Credit for pull boxes of Bid Set added.

LABOR							
CLASSIFICATION	Days	HOURS	Reg. Rate	Burden %	Uniforms	RATE	TOTAL
Foreman Electrician		618	\$ 50.79	22.59%	\$ 11.47	\$ 0.20	\$ 38,600.28
Electrician #1		618	\$ 46.73	22.59%	\$ 10.56	\$ 0.20	\$ 35,528.82
Electrician #2		618	\$ 46.73	22.59%	\$ 10.56	\$ 0.20	\$ 35,528.82
Electrician #3		618	\$ 46.73	22.59%	\$ 10.56	\$ 0.20	\$ 35,528.82
<b>TOTAL LABOR</b>							<b>\$ 145,186.74</b>

MATERIAL					
CLASSIFICATION	Unit	HOURS / QTY	RATE		TOTAL
6" Fire Proofing		12	\$ 74.92		\$ 899.04
St Stl 12Ga 1-1/2" Solid Channel	LF	690	\$ 3.34		\$ 2,304.60
1/2" Threaded Rod	LF	880	\$ 0.76		\$ 668.80
1/2" Rod Hanger Concrete Anchor		200	\$ 0.97		\$ 194.00
1/2"x2" Fender Washer		800	\$ 0.27		\$ 216.00
Copper Wire #1/0 THHN Green	LF	1022	\$ 2.00		\$ 2,044.00
Copper Wire #600 THHN	LF	3848	\$ 12.29		\$ 47,291.92
4" Grounding Locknut		16	\$ 9.21		\$ 147.36
4" Insulated Grounding Bushing		44	\$ 23.86		\$ 1,049.84
4" Conduit Hanger w/Bolt	LF	99	\$ 1.52		\$ 150.48
4" GRC Conduit	LF	168	\$ 22.07		\$ 3,707.76
4" EMT Conduit	LF	664	\$ 12.22		\$ 8,114.08
4" GRC Elbow		8	\$ 199.84		\$ 1,598.72
4" EMT Elbow		112	\$ 49.24		\$ 5,514.88
4" EMT Steel Compression Conn		36	\$ 22.62		\$ 814.32
4" EMT Steel Compression Coup		195	\$ 24.40		\$ 4,758.00
4" 2 Hole Steel Strap		99	\$ 0.74		\$ 73.26
4" Clamp Back		99	\$ 31.79		\$ 3,147.21
48x42x12 Metal PB		1	\$ 894.58		\$ 894.58
40x40x12 Metal PB		8	\$ 694.58		\$ 5,556.64
4" Channel Clamp		99	\$ 2.72		\$ 269.28
4" Right Angle Conduit Clamp		35	\$ 9.60		\$ 336.00
Average Fastener		198	\$ 0.74		\$ 146.52
8-10 x 7/8" Bantam Screw Anchor		212	\$ 0.74		\$ 156.88
Pull Rope	LF	350	\$ 1.65		\$ 1,402.50
1/2-13 SS 1-1/2" Channel Spring Nut		120	\$ 4.85		\$ 582.00
1/2-13 B11/12 Channel Nut		500	\$ 0.83		\$ 415.00
1/2"x2" Hex Head Screw		500	\$ 0.40		\$ 200.00
18" Single Channel Bracket		32	\$ 19.20		\$ 614.40
3/4"x66FT Plastick Electrical Tape		5	\$ 4.89		\$ 24.45
1.88"x60yds Multi-Use Duct Tape		5	\$ 5.97		\$ 29.85
Cable Marker		96	\$ 1.13		\$ 108.48
Wire Pulling Compound/5 Gallon		2	\$ 65.82		\$ 131.64
3/0-6 Polaris Connector 4 Port		7	\$ 32.81		\$ 229.67
750-250 Polaris Connector 4 Port		28	\$ 100.75		\$ 2,821.00
4" GRC Coupling		12	\$ 19.18		\$ 230.16
4" GRC Threadless Connector		12	\$ 171.96		\$ 2,063.52
4" GRC Threadless Coupling		12	\$ 153.16		\$ 1,837.92
Cabel Puller Rental		1	\$ 4,800.00		\$ 4,800.00
Cable Wheel Stand Rental		1	\$ 900.00		\$ 900.00
Material Lift Rental		9	\$ 160.00		\$ 1,440.00
Credit					
Pull Box 24"x16"x10"		-2	\$ 117.00		\$ (234.00)

Pull Box 30"x30"x8"

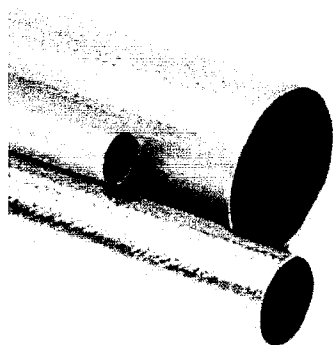
-2 \$ 213.00

\$ (426.00)

MATERIAL TOTAL \$ 107,224.76  
TAX 7% \$ 7,505.73  
TOTAL MATERIAL \$ 114,730.49

TOTAL \$ 259,917.23

LABOR	\$	145,186.74
MATERIAL	\$	114,730.49
SUBTOTAL	\$	259,917.23
O&P 15 %	\$	38,987.58
TOTAL	\$	298,904.82



### Metallic True Color& Tubing EMT Conduit, 4 in.

Manufacturer: **Allied Tube and Conduit**

Manufacturer #: **4-EMT (ALLIED TUBE)**

SKU: **25217705**

**\$1,221.13 / 100 ft**

Items sold in feet or each.  
Minimum order 10 feet.

**OUT OF STOCK** | Confirm your Zip Code above for accurate item availability.  
For additional assistance or price and availability: [Contact Us](#)

Add to Favorites

Availability in Zip Code:

Ship: **Call Us**  
Pick Up: **0 In Stock**

#### Product Detail:

Manufacturer	Allied Tube and Conduit
Manufacturer #	4-EMT (ALLIED TUBE)
Color	Silver
Construction	Mechanical Protection for Conductors
Size	4 in.
Application	Reducing Electromagnetic Field Levels for Encased Power Distribution Circuits, Shielding Computers and Other Sensitive Electronic Equipment from the Effects of Electromagnetic Interference
UNSPSC	39131706
Length	10 ft.
Material	Hot Galvanized Steel
ECCN	EAR99
Country of Origin	US - USA

#### Product Overview:

EMT 4 inch electrical metallic tubing, 10 ft length.

EMT 4in. 10 FT ELECTRICAL METALLIC TUBING Material: EMT Tubing

home / other / voltage drop calculator

# Voltage Drop Calculator

Result

Voltage drop: **13.08**  
 Voltage drop percentage: **2.72%**  
 Voltage at the end: **466.92**

Please note that the result is an estimation based on normal conditions. The actual voltage drop can vary depending on the condition of the wire, the conduit being used, the temperature, the connector, the frequency etc. But, in most cases, it will be very close.

Wire Material	Copper	
Wire Size	250 kcmil	
Voltage	480	
Phase	AC 3-phase	
Number of conductors	2 conductors per phase in parallel	
Distance*	910	feet
Load current	400	Amps

**Calculate**

\* Please use one-way distance to the load. Not round trip distance.

## Basic Voltage Drop Law

$$V_{drop} = IR$$

where:

- I : the current through the object, measured in amperes
- R : the resistance of the wires, measured in ohms

## Typical AWG wire sizes

AWG	Diameter		Turns of wire		Area		Copper resistance		NEC copper wire ampacity with 60/75/90 °C insulation (A)	Approx strd metric equiv
	inch	mm	per inch	per cm	kcmil	mm <sup>2</sup>	O/km	O/kFT		
0000 (4/0)	0.4600	11.684	2.17	0.856	212	107	0.1608	0.04901	195 / 230 / 260	
000 (3/0)	0.4096	10.404	2.44	0.961	168	85.0	0.2028	0.06180	165 / 200 / 225	
00 (2/0)	0.3648	9.266	2.74	1.08	133	67.4	0.2557	0.07793	145 / 175 / 195	
0 (1/0)	0.3249	8.252	3.08	1.21	106	53.5	0.3224	0.09827	125 / 150 / 170	
1	0.2893	7.348	3.46	1.36	83.7	42.4	0.4066	0.1239	110 / 130 / 150	
2	0.2576	6.544	3.88	1.53	66.4	33.6	0.5127	0.1563	95 / 115 / 130	
3	0.2294	5.827	4.36	1.72	52.6	26.7	0.6465	0.1970	85 / 100 / 110	196/0.4
4	0.2043	5.189	4.89	1.93	41.7	21.2	0.8152	0.2485	70 / 85 / 95	
5	0.1819	4.621	5.50	2.16	33.1	16.8	1.028	0.3133		126/0.4
6	0.1620	4.115	6.17	2.43	26.3	13.3	1.296	0.3951	55 / 65 / 75	
7	0.1443	3.665	6.93	2.73	20.8	10.5	1.634	0.4982		80/0.4
8	0.1285	3.264	7.78	3.06	16.5	8.37	2.061	0.6282	40 / 50 / 55	
9	0.1144	2.906	8.74	3.44	13.1	6.63	2.599	0.7921		84/0.3
10	0.1019	2.588	9.81	3.86	10.4	5.26	3.277	0.9989	30 / 35 / 40	
11	0.0907	2.305	11.0	4.34	8.23	4.17	4.132	1.260		56/0.3
12	0.0808	2.053	12.4	4.87	6.53	3.31	5.211	1.588	25 / 25 / 30 (20)	

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13	0.0720	1.828	13.9	5.47	5.18	2.62	6.571	2.003		50/0.25
14	0.0641	1.628	15.6	6.14	4.11	2.08	8.286	2.525	20 / 20 / 25 (15)	
15	0.0571	1.450	17.5	6.90	3.26	1.65	10.45	3.184		30/0.25
16	0.0508	1.291	19.7	7.75	2.58	1.31	13.17	4.016	- / - / 18 (10)	
17	0.0453	1.150	22.1	8.70	2.05	1.04	16.61	5.064		32/0.2
18	0.0403	1.024	24.8	9.77	1.62	0.823	20.95	6.385	- / - / 14 (7)	24/0.2
19	0.0359	0.912	27.9	11.0	1.29	0.653	26.42	8.051		
20	0.0320	0.812	31.3	12.3	1.02	0.518	33.31	10.15		16/0.2
21	0.0285	0.723	35.1	13.8	0.810	0.410	42.00	12.80		13/0.2
22	0.0253	0.644	39.5	15.5	0.642	0.326	52.96	16.14		7/0.25
23	0.0226	0.573	44.3	17.4	0.509	0.258	66.79	20.36		
24	0.0201	0.511	49.7	19.6	0.404	0.205	84.22	25.67		1/0.5, 7/0.2, 30/0.1
25	0.0179	0.455	55.9	22.0	0.320	0.162	106.2	32.37		
26	0.0159	0.405	62.7	24.7	0.254	0.129	133.9	40.81		7/0.15
27	0.0142	0.361	70.4	27.7	0.202	0.102	168.9	51.47		
28	0.0126	0.321	79.1	31.1	0.160	0.0810	212.9	64.90		
29	0.0113	0.286	88.8	35.0	0.127	0.0642	268.5	81.84		
30	0.0100	0.255	99.7	39.3	0.101	0.0509	338.6	103.2		1/0.25, 7/0.1
31	0.00893	0.227	112	44.1	0.0797	0.0404	426.9	130.1		
32	0.00795	0.202	126	49.5	0.0632	0.0320	538.3	164.1		1/0.2, 7/0.08
33	0.00708	0.180	141	55.6	0.0501	0.0254	678.8	206.9		
34	0.00630	0.160	159	62.4	0.0398	0.0201	856.0	260.9		
35	0.00561	0.143	178	70.1	0.0315	0.0160	1079	329.0		
36	0.00500	0.127	200	78.7	0.0250	0.0127	1361	414.8		
37	0.00445	0.113	225	88.4	0.0198	0.0100	1716	523.1		
38	0.00397	0.101	252	99.3	0.0157	0.00797	2164	659.6		
39	0.00353	0.0897	283	111	0.0125	0.00632	2729	831.8		
40	0.00314	0.0799	318	125	0.00989	0.00501	3441	1049		

When electrical current moves through a wire it must surpass a certain level of contrary pressure. If the current is alternating, such pressure is called impedance. Impedance is a vector, or two-dimensional quantity, consisting of resistance and reactance (reaction of a built up electric field to a change of current). If the current is direct, the pressure is called resistance.

All this sounds terribly abstract, but it's really not much different from water running through a garden hose. It takes a certain amount of pressure to push the water through the hose, which is like voltage for electricity. Current is like the water flowing through the hose. And the hose causes a certain level of resistance, depending on its thickness, shape, etc. The same kind of thing is true for wires, as their type and size determines the level of resistance.

Excessive voltage drop in a circuit can cause lights to flicker or burn dimly, heaters to heat poorly, and motors to run hotter than normal and burn out. This condition causes the load to work harder with less voltage pushing the current.

Experts say that voltage drop should never be greater than 3 percent. This is done by selecting the right size of wire, and by taking care in the use of extension cords and similar devices.

There are four basic causes of voltage drop.

The first is the choice of material used for the wire. Copper is a better conductor than aluminum and will have less voltage drop than aluminum for a given length and wire size. The electricity that moves through a copper wire is actually a group of electrons being pushed by voltage. The higher the voltage, the more electrons that can be sent flowing through the wire.

Ampacity refers to the maximum number of electrons that can be pushed at one time – the word ampacity is short for ampere capacity.

Wire size is another important factor in determining voltage drop. Larger wire sizes (those with a greater diameter) will have less voltage drop than smaller wire sizes of the same length. In American wire gauge, every 6 gauge decrease gives a doubling of the wire diameter, and every 3 gauge decrease doubles the wire cross sectional area. In the Metric Gauge scale, the gauge is 10 times the diameter in millimeters, so a 50 gauge metric wire would be 5 mm in diameter.

Still another critical factor in voltage drop is wire length. Shorter wires will have less voltage drop than longer wires for the same wire size (diameter). Voltage drop becomes important when the length of a run of wire or cable becomes very long. Usually this is not a problem in circuits within a house, but may become an issue when running wire to an outbuilding, well pump, etc.

Excessive voltage drop can cause loss of efficiency in operation of light, motors and appliances. This could result in lights that are dim and motors or appliances whose life is shortened. So it is important to use the right gauge of wire when running wires for a long distance.

Finally, the amount of current being carried can affect voltage drop levels. Voltage drop increases on a wire with an increase in the current flowing through the wire. Current carrying capacity is the same as ampacity.

The ampacity of a wire depends on a number of factors. Wires are covered with insulation, and this can be damaged if the temperature of the wire becomes too high. The basic material from which the wire is made is, of course, an important limiting factor. If alternating current is being sent through the

wire, the speed of alternation can affect ampacity. The temperature in which the wire is used can also affect ampacity.

Cables are often used in bundles, and when they are brought together, the total heat which they generate has an effect on ampacity and voltage drop. There are strict rules about bundling cables which must be followed for this reason.

Cable selection is guided by two main principles. First, the cable should be able to carry the current load imposed on it without overheating. It should be able to do this in the most extreme conditions of temperature it will encounter during its working life. Second, it should offer sufficiently sound earthing to (i) limit the voltage to which people are exposed to a safe level and (ii) allow the fault current to trip the fuse in a short time.

These are important safety considerations. During 2005-2009, there was an average of 373900 fires per year caused by poor electrical installations. Choosing the right cable for the job is a critical safety measure.

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## THHN Building Wire, 600 MCM Stranded Copper Conductor, Black, Cut Reel



Manufacturer: **Graybar Vendor**

Manufacturer #: **THHN-600MCM-BLK-CUT REEL**

SKU: **22061549**

**\$12,220.01** / 1000 ea

Multiple wire cuts available in checkout. Wire cuts are **non-returnable**.

Items sold in feet or each.

Minimum order 1 each.

This item is only in stock for pick up. Change your order to pick up to add this item to your cart.

For additional assistance or price and availability: [Contact Us](#)

Add to Favorites

Availability in Zip Code:

Ship: **Call Us**

Pick Up: **4,651** In Stock

Need this item? [Check Stock Detail](#)

### Product Detail:

Manufacturer	Graybar Vendor
Manufacturer #	THHN-600MCM-BLK-CUT REEL
Color	Black
No. of Conductors	1
Voltage (Volts)	600V
Application	Conduit and Cable Trays
Type	THHN
UNSPSC	26121517
Conductor Material	Bare Copper
Conductor Size	600 MCM
Insulation Material	PVC
Jacket Materials	Nylon
Outer Diameter	1024 mil
Solid/Stranded	Stranded
Temp. Rating	90°C
Packaging	Cut Reel
Standard	UL Listed, CSA Certified and RoHS Compliant

SKU Spec Sheet [THHN-600MCM-BLK-CUT REEL Spec Sheet](#)

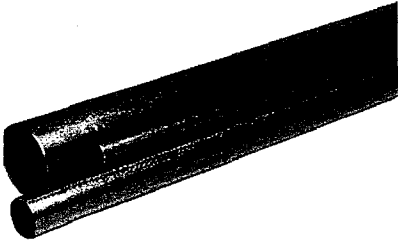
## Product Overview:

THHN building wire has a 600 MCM stranded copper conductor. Building wire is black and packaged in a cut reel.

### THHN Building Wire

- Can be used in wet or dry locations
- Made with annealed (soft) copper, compressed
- Insulation is high heat and moisture resistant polyvinyl chloride (PVC)
- Jacket is abrasion, moisture, gasoline and oil resistant nylon

# Galvanized Rigid Steel Conduit, 4 in.



Manufacturer: **Graybar Vendor**    Manufacturer #: **4-GALV**    SKU: **88272907**

**\$2,623.83** / 100 ft

Items sold in feet or each.

Minimum order 10 feet.

This item is only in stock for pick up. Change your order to pick up to add this item to your cart.

For additional assistance or price and availability: [Contact Us](#)

Add to Favorites

Availability in Zip Code:

Ship: **Call Us**  
Pick Up: **420 In Stock**

Need this item? [Check Stock Detail](#)

## Product Detail:

Manufacturer	Graybar Vendor
Manufacturer #	4-GALV
Color	Silver
Size	4 in.
UNSPSC	39131706
Length	10 ft.
Material Type	Steel
Material	Steel
ECCN	EAR99

## Product Overview:

4 in. galvanized rigid steel conduit, length 10 ft. conduit has excellent corrosion resistance with high strength ductile steel for long life and easy bending. Smooth, continuous raceways for fast wire-pulling., weight 1030 lb. per 100 ft.

- Hot-dip galvanized to inhibit white rust and increase corrosion resistance
- High strength ductile steel for long life and easy bending
- Provides smooth, continuous raceways for fast wire-pulling

## Leticia Green

---

**From:** ARO Electrical Contractor, Inc. [aroelectric@gmail.com]  
**Sent:** Monday, April 27, 2020 10:05 AM  
**To:** Ruben DaGama  
**Subject:** RE: In blue: MIA - AA Admiral Club Circuit Breaker

**Importance:** High

We scheduled a walk through with MDAD Mr. Jose Rodriguez, because the in the bid drawings marked conduit runs were impossible. We had to found a new routing.

This conduit routing was much longer. That's why the blue sentence below.

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.  
16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739  
Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)  
Web : <http://aroelectric.com>  
Florida State License: EC13004264  
Certified SBE # : 13914



---

**From:** Ruben DaGama [<mailto:rdagama@mcm-us.com>]  
**Sent:** Monday, April 27, 2020 9:09 AM  
**To:** 'ARO Electrical Contractor, Inc.'  
**Subject:** In blue: MIA - AA Admiral Club Circuit Breaker

Is this the reason for CO #6?  
In blue bellow.

Ruben DaGama  
PH: 305-541-0000

---

**From:** ARO Electrical Contractor, Inc. [<mailto:aroelectric@gmail.com>]  
**Sent:** Friday, July 26, 2019 9:09 AM  
**To:** Vilmaida Rodriguez; 'Gomez, Patricia (Aviation)'  
**Cc:** Juan Carlos Llanes; 'Rodriguez, Jose M. (Aviation)'  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs  
**Importance:** High

Vilmaida,

First I would like to thanks everybody who made the yesterday's walk through possible.

This walk through revealed, that the provided floor plans are outdated. Only with Mr. Rodriguez help and experience, we were able to find the switchgear room (2.Floor) and have now a more or less idea of our conduit runs in the second floor. Since the drawings did not match at all with the existing conditions, we had to stop the walk through in the 2. Floor. It made no sense to go further, until we will receive the correct current As-Build Floor Plans.

Please provide the newest current drawings with the conduit runs included. This has to be done by the architect, because the conduit raceway will affect different sensitive areas, like the Veterans Club, Duty Free Stores, Mechanical Rooms where our conduits pass mechanical equipment and need permission from authorities,...

Also, while the walk through, I noticed that the conduit runs are much longer than the floorplans from the Bid Set show. But this issue has to be discussed after the material take-off of the new floor plans.

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.  
16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739

Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)

Web : <http://aroelectric.com>

Florida State License: EC13004264

Certified SBE # : 13914



## Leticia Green

---

**From:** ARO Electrical Contractor, Inc. [aroelectric@gmail.com]  
**Sent:** Monday, April 27, 2020 10:16 AM  
**To:** Ruben DaGama  
**Subject:** RE: In blue: MIA - AA Admiral Club Circuit Breaker

Ruben,

The quote for CO#6 could not be done earlier, because MDAD was unable to provide a 1<sup>st</sup> floor plan. In this days, I found an overall plan, from another project, showing that area. I was able to snapshot the required section. JC provided me a CD with drawings, but the needed section could not be found.

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.  
16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739  
Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)  
Web : <http://aroelectric.com>  
Florida State License: EC13004264  
Certified SBE # : 13914



---

**From:** Ruben DaGama [<mailto:rdagama@mcm-us.com>]  
**Sent:** Monday, April 27, 2020 9:09 AM  
**To:** 'ARO Electrical Contractor, Inc.'  
**Subject:** In blue: MIA - AA Admiral Club Circuit Breaker

Is this the reason for CO #6?  
In blue bellow.

Ruben DaGama  
PH: 305-541-0000

---

**From:** ARO Electrical Contractor, Inc. [<mailto:aroelectric@gmail.com>]  
**Sent:** Friday, July 26, 2019 9:09 AM  
**To:** Vilmaida Rodriguez; 'Gomez, Patricia (Aviation)'  
**Cc:** Juan Carlos Llanes; 'Rodriguez, Jose M. (Aviation)'  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs  
**Importance:** High

Vilmaida,

First I would like to thanks everybody who made the yesterday's walk through possible.

This walk through revealed, that the provided floor plans are outdated. Only with Mr. Rodriguez help and experience, we were able to find the switchgear room (2.Floor) and have now a more or less idea of our conduit runs in the second floor. Since the drawings did not match at all with the existing conditions, we had to stop the walk through in the 2. Floor. It made no sense to go further, until we will receive the correct current As-Build Floor Plans.

Please provide the newest current drawings with the conduit runs included. This has to be done by the architect, because the conduit raceway will affect different sensitive areas, like the Veterans Club, Duty Free Stores, Mechanical Rooms where our conduits pass mechanical equipment and need permission from authorities,....

Also, while the walk through, I noticed that the conduit runs are much longer than the floorplans from the Bid Set show. But this issue has to be discussed after the material take-off of the new floor plans.

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.  
16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739  
Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)  
Web : <http://aroelectric.com>  
Florida State License: EC13004264  
Certified SBE # : 13914



## Leticia Green

---

**From:** Ruben DaGama  
**Sent:** Tuesday, May 5, 2020 8:03 PM  
**To:** Ruben DaGama  
**Subject:** FW: MIA - AA Admiral Club Circuit Breaker  
  
**Importance:** High

---

**From:** Vilmaida Rodriguez  
**Sent:** Monday, July 29, 2019 9:26 AM  
**To:** 'Gomez, Patricia (Aviation)'; Oporto, Abel (Aviation)  
**Cc:** Juan Carlos Llanes; Arezki Djerroud  
**Subject:** FW: MIA - AA Admiral Club Circuit Runs  
**Importance:** High

Patricia,  
MCM is ready to start working in the electrical scope of work, however, in the walkthrough performed last week with the electrical subcontractor, MCM's superintendant and Jose Rodriguez (MDAD), it was discovered that the information on the drawings did not match what is actually existing. Also, there are areas, that because of all the materials in the ceiling, it is difficult for the electrician to run their pipes. The electrical subcontractor is requesting the latest floor plans so that a determination can be made along with the A/E and Jose Rodriguez on how to resolve the issue. Please advise.

Vilmaida Rodriguez  
PH: 305-541-0000  
[www.mcm-us.com](http://www.mcm-us.com)

---

**From:** ARO Electrical Contractor, Inc. [mailto:aroelectric@gmail.com]  
**Sent:** Friday, July 26, 2019 9:09 AM  
**To:** Vilmaida Rodriguez; 'Gomez, Patricia (Aviation)'  
**Cc:** Juan Carlos Llanes; 'Rodriguez, Jose M. (Aviation)'  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs  
**Importance:** High

Vilmaida,

First I would like to thanks everybody who made the yesterday's walk through possible. This walk through revealed, that the provided floor plans are outdated. Only with Mr. Rodriguez help and experience, we were able to find the switchgear room (2.Floor) and have now a more or less idea of our conduit runs in the second floor. Since the drawings did not match at all with the existing conditions, we had to stop the walk through in the 2. Floor. It made no sense to go further, until we will receive the correct current As-Build Floor Plans. Please provide the newest current drawings with the conduit runs included. This has to be done by the architect, because the conduit raceway will affect different sensitive areas, like the Veterans Club, Duty Free Stores, Mechanical Rooms where our conduits pass mechanical equipment and need permission from authorities,.... Also, while the walk through, I noticed that the conduit runs are much longer than the floorplans from the Bid Set show. But this issue has to be discussed after the material take-off of the new floor plans.

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.

16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739  
Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)  
Web : <http://aroelectric.com>  
Florida State License: EC13004264  
Certified SBE # : 13914



---

**From:** Vilmaida Rodriguez [mailto:[vrodriguez@mcm-us.com](mailto:vrodriguez@mcm-us.com)]  
**Sent:** Tuesday, July 23, 2019 1:42 PM  
**To:** 'Gomez, Patricia (Aviation)'  
**Cc:** Juan Carlos Llanes; 'ARO Electrical Contractor, Inc.'; Rodriguez, Jose M. (Aviation)  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs

Patricia,  
It is okay. See attached email

Vilmaida Rodriguez  
PH: 305-541-0000  
[www.mcm-us.com](http://www.mcm-us.com)

---




**From:** Gomez, Patricia (Aviation) [mailto:[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)]  
**Sent:** Tuesday, July 23, 2019 1:37 PM  
**To:** Vilmaida Rodriguez  
**Cc:** Juan Carlos Llanes; 'ARO Electrical Contractor, Inc.'; Rodriguez, Jose M. (Aviation)  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs

Good afternoon Vilmaida,

I did mention to you yesterday that Thursday is the day Jose would be available. Please advise if Thursday at 8:30am is good.

Thank you,

**Patricia K. Gomez**, Construction Manager 1  
**Miami-Dade Aviation Department**  
P.O. Box 025504  
Miami, FL 33102-5504  
305-869-4216 Phone  
305-794-2808 Cell  
[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)  
[www.miami-airport.com](http://www.miami-airport.com)

Connect with us:   






The award-winning Gateway of the Americas

**From:** Rodriguez, Jose M. (Aviation) <JORodriguez@miami-airport.com>  
**Sent:** Tuesday, July 23, 2019 1:02 PM  
**To:** 'Vilmaida Rodriguez' <vrodriguez@mcm-us.com>; Gomez, Patricia (Aviation) <PGomez@miami-airport.com>  
**Cc:** Juan Carlos Llanes <jllanes@mcm-us.com>; 'ARO Electrical Contractor, Inc.' <arolectric@gmail.com>; Rodriguez, Jose M. (Aviation) <JORodriguez@miami-airport.com>  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs

Hi Vilmaida,  
I sent a e-mail to Patricia yesterday about the walkthrough. See attached  
Regards,

**Jose M. Rodriguez.** Superintendent-Electrical Qualifier  
**Facilities Maintenance Division**  
**Miami-Dade Aviation Department**  
P.O. Box 025504  
Miami, FL. 33102-5504  
305-869-3613 Phone  
305-898-5360 Cell  
[jorodriguez@miami-airport.com](mailto:jorodriguez@miami-airport.com)  
[www.miami-airport.com](http://www.miami-airport.com)

Connect with us:   



The award-winning Gateway of the Americas

**From:** Vilmaida Rodriguez <vrodriguez@mcm-us.com>  
**Sent:** Tuesday, July 23, 2019 12:49 PM  
**To:** Gomez, Patricia (Aviation) <PGomez@miami-airport.com>  
**Cc:** Rodriguez, Jose M. (Aviation) <JORodriguez@miami-airport.com>; Juan Carlos Llanes <jllanes@mcm-us.com>; 'ARO Electrical Contractor, Inc.' <arolectric@gmail.com>  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs

This is an EXTERNAL email. **Exercise Caution.** DO NOT open attachments or click links from unknown senders or unexpected emails. Please use your Report Spam button if this is a suspicious message.

Patricia,  
Have you been able to get a definite date and time to schedule the walkthrough? The electrician is ready to start his scope of work?

Vilmaida Rodriguez  
PH: 305-541-0000  
[www.mcm-us.com](http://www.mcm-us.com)

---




**From:** Gomez, Patricia (Aviation) [<mailto:PGomez@miami-airport.com>]  
**Sent:** Thursday, July 18, 2019 3:07 PM  
**To:** Vilmaida Rodriguez  
**Cc:** Rodriguez, Jose M. (Aviation); Juan Carlos Llanes; 'ARO Electrical Contractor, Inc.'  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs

Good afternoon Vilmaida,

I spoke to Arturo corral and he will see if we can schedule walkthrough for Monday because Jose Rodriguez is booked on Tuesday. I will get back to you.

Thank you,

Patricia K. Gomez, Construction Manager 1  
**Miami-Dade Aviation Department**  
P.O. Box 025504  
Miami, FL 33102-5504  
305-869-4216 Phone  
305-794-2808 Cell  
[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)  
[www.miami-airport.com](http://www.miami-airport.com)

Connect with us:   



[The award-winning Gateway of the Americas](http://www.miami-airport.com)

---

**From:** Vilmaida Rodriguez <[vrodriguez@mcm-us.com](mailto:vrodriguez@mcm-us.com)>  
**Sent:** Thursday, July 18, 2019 9:22 AM  
**To:** Gomez, Patricia (Aviation) <[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)>  
**Cc:** Rodriguez, Jose M. (Aviation) <[JORodriguez@miami-airport.com](mailto:JORodriguez@miami-airport.com)>; Juan Carlos Llanes <[jllanes@mcm-us.com](mailto:jllanes@mcm-us.com)>; 'ARO Electrical Contractor, Inc.' <[aroelectric@gmail.com](mailto:aroelectric@gmail.com)>  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs

This is an EXTERNAL email. **Exercise Caution.** DO NOT open attachments or click links from unknown senders or unexpected emails. Please use your Report Spam button if this is a suspicious message.

Patricia,

The electrical subcontractor for the Admiral's Club project has requested a site walk thru visit with Jose Rodriguez, copied in this email, for assistance on locating the circuit runs. He mentioned that he spoke to Jose and that the request would have to come from MDAD. Could you please help me this coordination.

Vilmaida Rodriguez  
PH: 305-541-0000  
[www.mcm-us.com](http://www.mcm-us.com)

---

**From:** ARO Electrical Contractor, Inc. [<mailto:aroelectric@gmail.com>]  
**Sent:** Thursday, July 18, 2019 8:07 AM  
**To:** Vilmaida Rodriguez  
**Cc:** Juan Carlos Llanes; Rodriguez, Jose M. (Aviation)  
**Subject:** RE: MIA - AA Admiral Club Circuit Runs  
**Importance:** High

Vilmaida,

Is it possible to schedule a side walk through with Mr. Jose Rodriquez (MDAD).

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.  
16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739  
Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)  
Web : <http://aroelectric.com>  
Florida State License: EC13004264  
Certified SBE # : 13914



---

**From:** ARO Electrical Contractor, Inc. [<mailto:aroelectric@gmail.com>]  
**Sent:** Tuesday, July 16, 2019 5:11 PM  
**To:** Vilmaida Rodriguez  
**Cc:** Juan Carlos Llanes  
**Subject:** FW: MIA - AA Admiral Club Circuit Breakers Submittal  
**Importance:** High

\* 16300 Breakers  
\*  
\* 16720 Security Systems Matrix & Fire Alarm  
\* 16740 Telecommunication System

---

**From:** ARO Electrical Contractor, Inc. [<mailto:aroelectric@gmail.com>]  
**Sent:** Monday, July 01, 2019 2:01 PM  
**To:** Vilmaida Rodriguez  
**Subject:** FW: MIA - AA Admiral Club Circuit Breakers Submittal  
**Importance:** High

Vilmaida,

I need to see the switchgear to get the right breaker submittals. Please schedule a walk through.  
Also, who is providing the Telecom and Metrix submittals?

Sincerely

Volker Stenkewitz/Owner

ARO Electrical Contractor, Inc.  
16540 SW 97th Street  
Miami, FL 33196

Phone : (786) 259-5739

Email : [aroelectric@gmail.com](mailto:aroelectric@gmail.com)

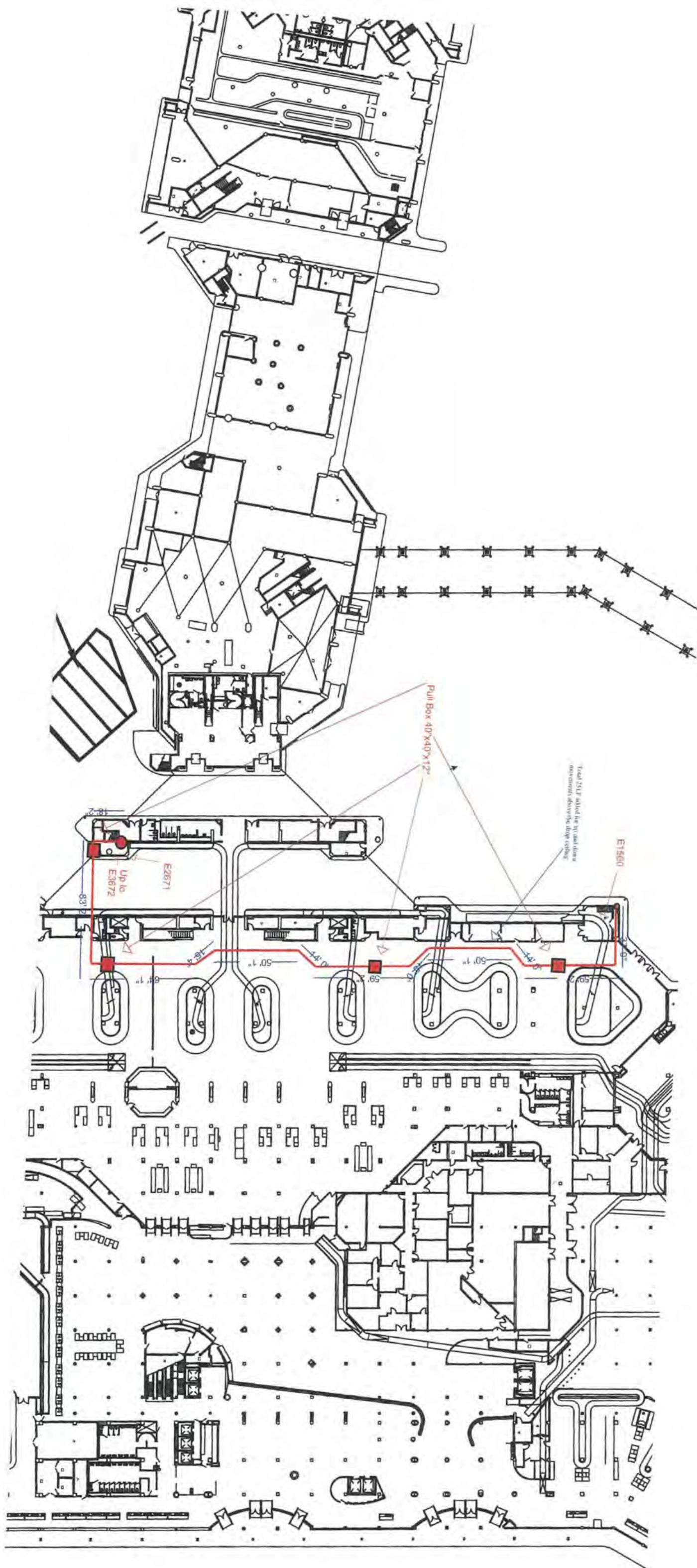
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Certified SBE # : 13914







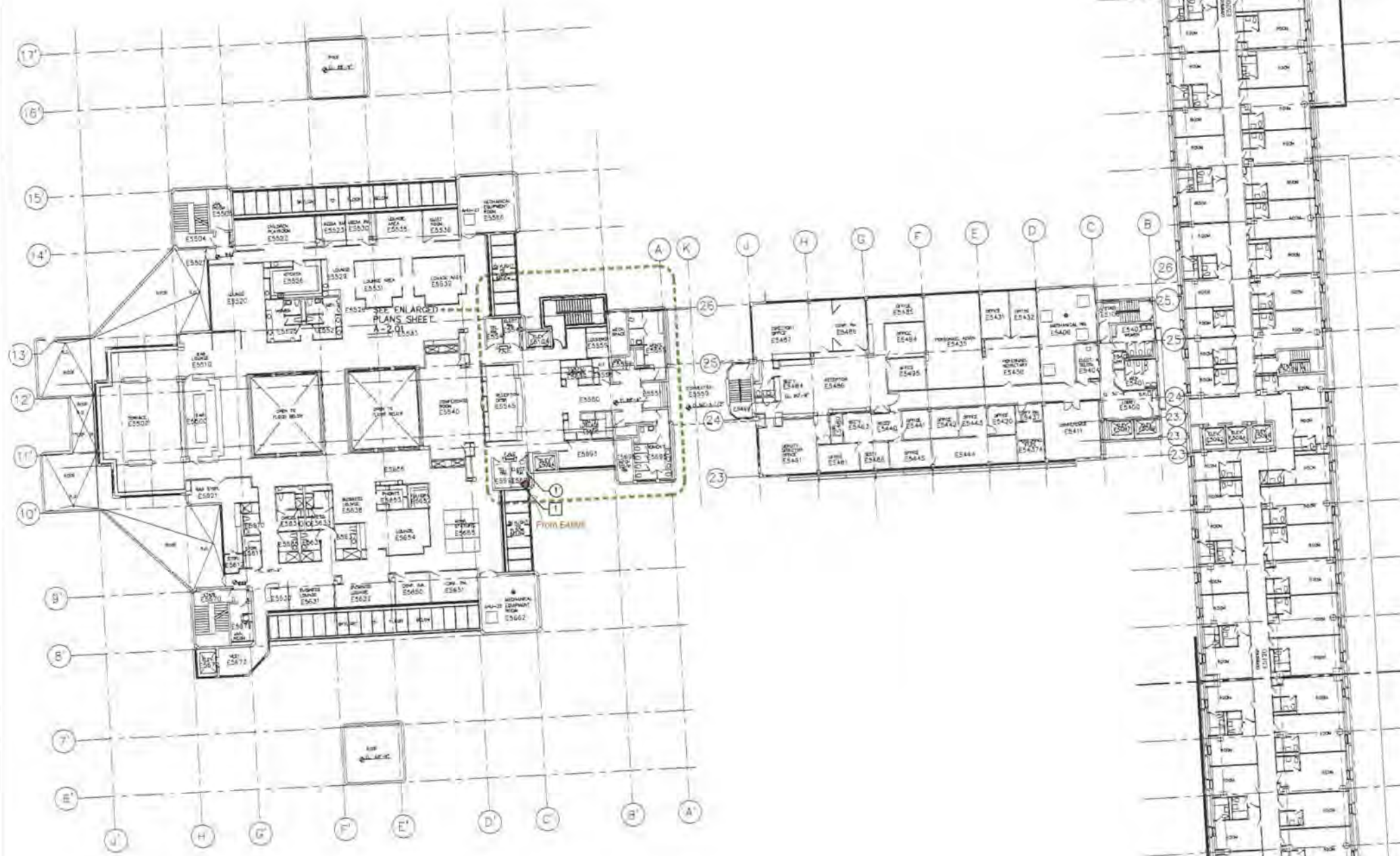












**DEMOLITION INSTRUCTIONS**

1. NEW MEP WORK TO BE INSTALLED THESE AREAS AS PER MEP DRAWINGS AND SPECIFICATIONS. TEMPORARILY REMOVE ACUSTICAL CEILINGS AS REQUIRED. REMOVE SOFFITS/CEILINGS AS REQUIRED TO ACCOMMODATE NEW WORK. SEE NOTES 01 AND 02. CORE DRILL OR PENETRATE WALLS, COUNTS, AND/OR FLOORS AS REQUIRED.

**GENERAL DEMOLITION NOTES**

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO ANY DEMOLITION OR CONSTRUCTION WORK.
  2. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLANS BEFORE COMMENCING WORK.
  3. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY CONSTRUCTION BARRIERS AND SIGNS IN THOSE AREAS WHERE WORK IS BEING PERFORMED IN ORDER TO PROVIDE SAFETY TO STAFF AND THE GENERAL PUBLIC.
  4. ANY DAMAGES TO SURFACES AND/OR FINISHES CAUSED BY REMOVAL OF MECHANICAL, PLUMBING AND/OR ELECTRICAL EQUIPMENT SHALL BE REPAIRED TO MATCH EXISTING.
  5. PRIOR TO REMOVAL OF ANY EQUIPMENT SCHEDULED TO BE REINSTALLED, THE CONTRACTOR SHALL PROVIDE AN INVENTORY OF THE CONDITION OF THE EQUIPMENT FOR THE OWNER'S APPROVAL.
  6. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EQUIPMENT OR ACCESSORIES THAT IS/ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION.
  7. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE BURIED OR ABOVE CEILING OR IN-WALL ELECTRICAL, PLUMBING, OR OTHER MEP LINES THAT ARE DAMAGED AS THE RESULT OF ANY DEMOLITION ACTIVITIES.
8. SAFELY DISCONNECT ALL EQUIPMENT BEFORE REMOVAL (TEMPORARY OR PERMANENT). REMOVE AND/OR RELOCATE/REROUTE ANY OF THE FOLLOWING AS REQUIRED TO PREPARE FOR DEMOLITION:
- SURFACE MOUNTED MEP ITEMS
  - RECESSED CEILING ITEMS INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, HVAC GRILLES, HVAC DIFFUSERS, SECURITY ITEMS, FA ITEMS AND ALL RELATED ACCESSORIES
  - RECESSED FLOOR & WALL MEP ITEMS INCLUDING BUT NOT LIMITED TO ELECTRICAL BOXES / TRAY, SECURITY ITEMS, FA ITEMS AND ALL RELATED ACCESSORIES
  - ENTIRE EXISTING CEILING, CEILING FRAMING & SUPPORTS
  - ABOVE-CEILING MEP ITEMS INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, CONDUITS, DUCTWORK, HVAC GRILLES, MEP ITEMS AND ALL RELATED ACCESSORIES TO ALLOW FOR INSTALLATION OF NEW WORK AS PER PLANS AND SPECIFICATIONS.
  - FURNITURE, FIXTURES OR EQUIPMENT (IF ANY IS PRE-EXISTING)
  - REMOVE ANY MEP ITEMS / RACEWAYS THAT WILL NOT BE USED (VERIFY REQUIREMENTS OF NEW WORK/EQUIP) AS IT FIRST ENTERS THE ROOM AND WITHIN ROOM
  - REMOVE ANY WALL OR CEILING-MOUNTED HANGERS, ALL-WHREAD ROD/MOUNTS, ETC THAT WILL NOT BE USED.
  - CAP ALL PLUMBING LINES AS REQUIRED.
9. PREPARE AREA AS REQUIRED TO ALLOW INSTALLATION OF NEW WORK. SEE CODED NOTE 01:
- TEMPORARILY REMOVE FLOOR MOUNTED EQUIPMENT (SAFELY DISCONNECT) AND STORE IN A SECURE LOCATION (ONLY IF SCHEDULED FOR RE-INSTALLATION)
  - PROTECT FLOOR & WALL FINISHES TO REMAIN
  - PROTECT ALL EQUIPMENT TO REMAIN IN PLACE DURING CONSTRUCTION FROM ANY DAMAGE
  - PROTECT ALL MEP LINES TO REMAIN

**NEW CONSTRUCTION INSTRUCTIONS**

1. THIS AREA TO RECEIVE NEW MEP WORK. REPAIR ALL FINISHES AFTER COMPLETION OF MEP WORK. SEE MEP DRAWINGS. SEE NOTES C1 AND C2.
2. PROVIDE / RE-INSTALL ANY OF THE FOLLOWING THAT WAS REQUIRED TO BE DEMOLISHED/RELOCATED/ REROUTED/ TEMPORARILY-REMOVED:
  - PROVIDE NEW PAINTED DRYWALL CEILING AND/OR WALL (IN ROOMS THAT PREVIOUSLY INCLUDED DRYWALL) AS REQUIRED TO REPAIR ANY FINISHES DAMAGED AS PART OF INSTALLATION OF NEW WORK (INCLUDING WALL REPAIRS IF REQUIRED DUE TO CONDUITS AND/OR PIPING)
  - MATCH PRE-EXISTING FINISH SUCH AS TILES, STUCCO, GYPSUM BOARD, DRYWALL ETC.
  - CEILING TILES AND CEILING GRID OR METAL SLAT CEILINGS (IN ROOMS THAT PREVIOUSLY INCLUDED TILES/GRID) (CONTRACTOR SHALL ASSUME THAT OF THE TEMPORARILY REMOVED CEILING AREA, 10% WILL NEED TO BE REPLACED TO MATCH EXISTING DUE TO BREAKAGE.)
  - PAINT AS REQUIRED FROM FLOOR TO CEILING VERTICALLY AND TO NEAREST CORNER HORIZONTALLY. PAINT ALL CONDUITS IN EXPOSED AREAS, INCLUDING WITHIN MEP ROOMS.
  - INSTALL NEW (OR REINSTALL AS APPLICABLE) CEILING-MOUNTED, WALL-MOUNTED, OR ABOVE-CEILING COMPONENTS INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, CONDUITS, DUCTWORK, HVAC GRILLES, FIRE SPRINKLER, MEP ITEMS AND ALL RELATED ACCESSORIES
  - RESTORE AREA AFTER INSTALLATION OF NEW WORK (AS APPLICABLE):
  - RE-INSTALL AND RE-CONNECT TEMPORARILY-REMOVED FURNITURE, FIXTURES, EQUIP &/OR CASEWORK
  - REMOVE PROTECTION FROM ANY ITEMS THAT REMAINED IN PLACE DURING CONSTRUCTION. REPAIR ANY DAMAGE TO ITEMS.
3. INSTALL ALL NEW WIRING AND CONDUIT FOR NEW SYSTEMS ABOVE CEILING OR BEHIND DRYWALL/TILE PARTITION AT LOCATIONS WHERE DRYWALL, TILE PARTITION OR CEILING WAS PRE-EXISTING. ALL NEW CONDUIT SHALL RUN U/G OR CONCEALED AS PER MEP DRAWINGS. AT LOCATIONS WHERE MEP DRAWINGS NOTE EXPOSED CONDUIT IS SPECIFICALLY PERMITTED, PAINT ALL NEW EXPOSED PIPING AND CONDUIT. FILL ANY HOLES OR OPENINGS IN STRUCTURAL WALLS, PARTITION WALLS AND/OR CEILINGS THAT REMAIN FROM REMOVED ITEMS. PATCH WALL AND/OR CEILING TO MATCH EXISTING FINISH AND PAINT TO NEAREST CORNER. SEE DEMOLITION NOTES FOR FURTHER CLARIFICATION. SEE CODED NOTE C1. PROVIDE NEW SLEEVES AND SEALANT AT ALL PENETRATIONS AT ALL WALLS, FLOORS, AND CEILINGS. PROVIDE UL LISTED PENETRATION AS PER DETAILS AT FIRE RATED LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING FIRE RATED LOCATIONS AS PER FIELD CONDITIONS.

**SILVA ARCHITECTS**  
 INNOVATIVE ENGINEERING GROUP, INC.  
 1000 N.W. 107th Ave., Suite 1000, Miami, FL 33177  
 PHONE: (305) 441-1111 FAX: (305) 441-1112

**MVA**  
 MIAMI INTERNATIONAL AIRPORT  
 AMERICAN AIRLINES ADMIRALS CLUB LOUNGE  
 MID-LEVEL INFRASTRUCTURE AND NEW STAIR PROJECT  
 PROJECT NO. XT13A

REVISION	DATE

NOTICE: The owner retains the right to modify the design at any time without notice. The contractor shall be responsible for the accuracy of the information provided by the owner. The contractor shall verify the accuracy of the information provided by the owner. The contractor shall be responsible for the accuracy of the information provided by the owner. The contractor shall be responsible for the accuracy of the information provided by the owner.

DATE ISSUED  
6-05-18

SHEET  
A-1.04



# Transmittal #32

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #24

---

**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 07/07/2020

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #24	Other	07/07/ 2020	1

### Comments

Emailed 7/7/2020

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



July 1, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

### REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #24

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is for the removal of the existing supply air duct on the 5<sup>th</sup> floor so that it does not cross the fire rated partition per A/E's response to RFI #48. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
Air.Zone	See Attached	\$1,358.05

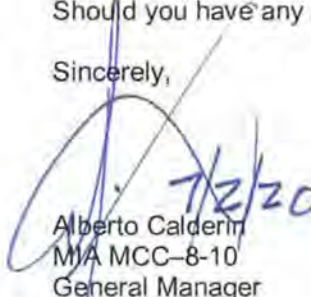
MCC Fee (.0796%):	\$108.10
TOTAL:	\$1,466.15

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

  
Alberto Calderin  
MIA MCC-8-10  
General Manager

Cc: File

**COMPANY: Air Zone Inc.**  
**REFERENCE: MIA - Admiral Club**  
**Location:**  
**Description:**

**DATE: 6/25/2020**

LABOR							
CLASSIFICATION	Days	HOURS	Reg. Rate	Burden %	Uniforms	RATE	TOTAL
Delolition/cap existing ductwork							
Foreman		1.5	\$ 41.98	30.00%	\$ 54.57	\$ -	\$ 81.86
Mechanic		2	\$ 39.31	30.00%	\$ 51.10	\$	\$ 102.20
Mechanic		2	\$ 39.31	30.00%	\$ 51.10	\$	\$ 102.20
Reconnect (1) existing S/A duct							
Foreman		2	\$ 41.98	30.00%	\$ 54.57	\$	\$ 109.14
Mechanic		4	\$ 39.31	30.00%	\$ 51.10	\$	\$ 204.40
Mechanic		4	\$ 39.31	30.00%	\$ 51.10	\$	\$ 204.40
							\$ -
Foreman			\$ 41.98	30.00%	\$ 54.57	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -
							\$ -
Foreman			\$ 41.98	30.00%	\$ 54.57	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -
							\$ -
Foreman			\$ 41.98	30.00%	\$ 54.57	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -
Mechanic			\$ 39.31	30.00%	\$ 51.10	\$	\$ -

**TOTAL LABOR \$ 804.20**

MATERIAL			
CLASSIFICATION	HOURS / QTY	RATE	TOTAL
Sheet metal duct/flex	1	\$ 300.00	\$ 300.00
Micelaneos materials	1	\$ 52.07	\$ 52.07
	0	\$ -	\$ -
			\$ -
			\$ -
			\$ -

**MATERIAL TOTAL \$ 352.07**

**TAX 7% \$ 24.64**

**TOTAL MATERIAL \$ 376.71**

**TOTAL \$ 1,180.91**

LABOR	\$ 804.20
MATERIAL	\$ 376.71
SUBTOTAL	\$ 1,180.91
O&P 15 %	\$ 177.14
TOTAL	\$ 1,358.05



MECHANICAL CONTRACTOR

Project : MIA AA Admiral Club  
**PROPOSED CHANGE ORDER # 9**  
 Date: 06-25-20

**BREAKDOWN**

DESCRIPTION	UNIT	QTY.	MATERIAL	LABOR	SUBCONT.	TOTAL	O& PROFIT	TOT. INC. O & PROFIT
Delolition/cap existing ductwork	Ea	1	\$ 50.00	\$ 240.00	\$ -	\$ 290.00	\$ 46.55	\$ 336.55
Reconnect (1) existing S/A duct	Ea	1	\$ 300.00	\$ 400.00	\$ -	\$ 700.00	\$ 105.00	\$ 805.00
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				\$ -		\$ -	\$ -	\$ -
<b>SUB TOTAL</b>			<b>\$ 350.00</b>	<b>\$ 640.00</b>	<b>\$ -</b>	<b>\$ 990.00</b>	<b>\$ 151.55</b>	<b>\$ 1,141.55</b>

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

Labor Burden	\$	192.00
Insurance	\$	-
Supervision	\$	-
Material Tax	\$	24.50
<b>SUB TOTAL</b>	<b>\$</b>	<b>216.50</b>
<b>TOTAL</b>	<b>\$</b>	<b>1,358.05</b>

## Request for Information # 6

**DATE:** 06/23/2020

**PROJECT NAME:** MIA AA Admiral Club Infrastructure & New Stair.

**FROM:** AIR ZONE, INC.  
Alberto Garcia

**TO:** MCM  
Arezki Djerroud

**LOCATION:** MIA AA Admiral Club.

Urgent  For Review  Please Comment  Please Reply  Please Recycle

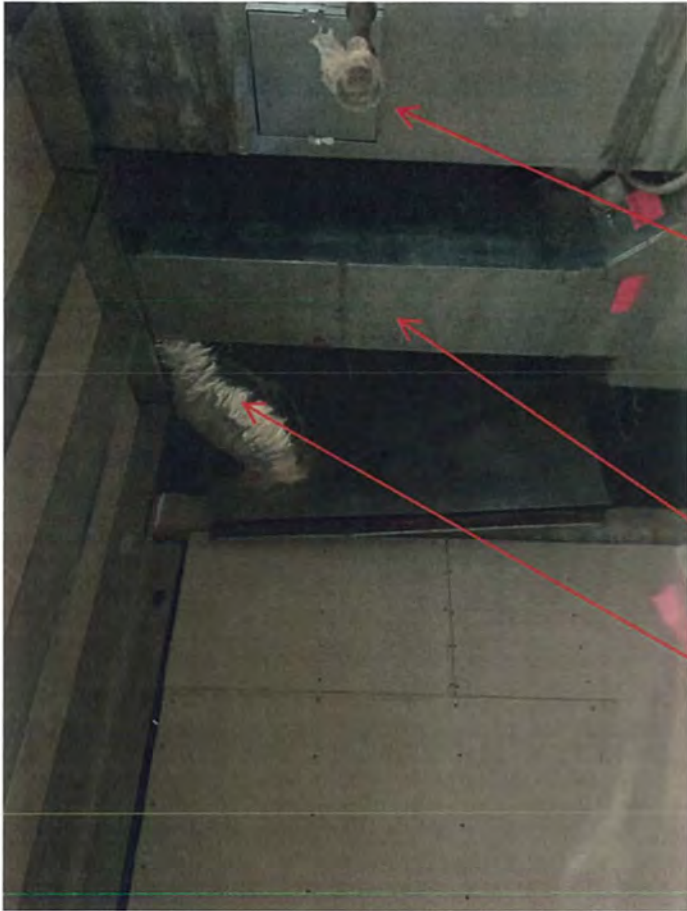
As per existing conditions, there is an existing supply air ductwork on 5<sup>th</sup> floor in a way of the new fire wall without fire damper.

Options:

- 1- Partial remove of the existing S/A ductwork.
- 2- Install a new fire damper.

For more information, please see page No. 2 and 3.

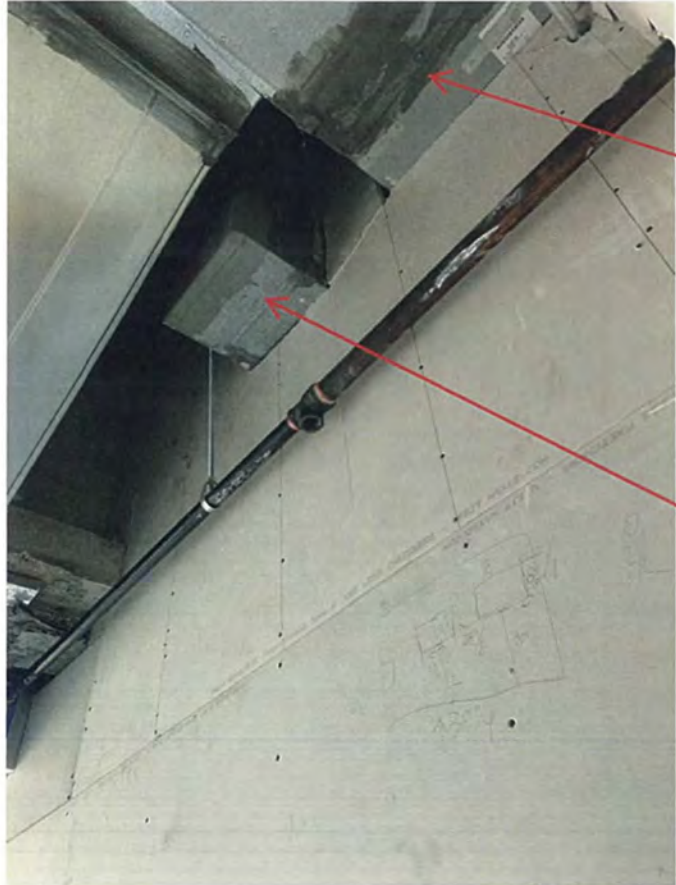
Please advise how to proceed.



New duct(it is ok)

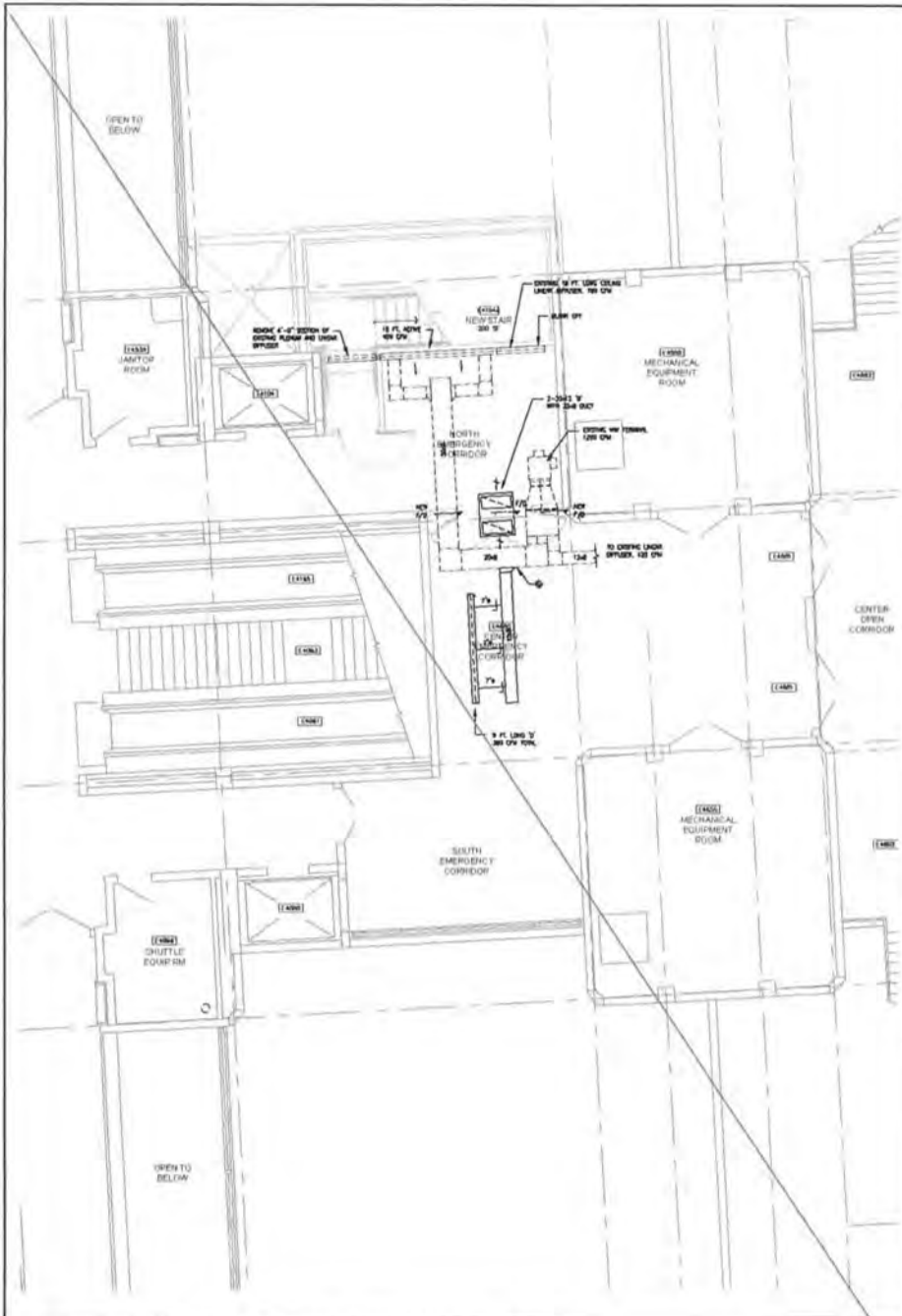
Existing S/A duct

Existing S/A outlet



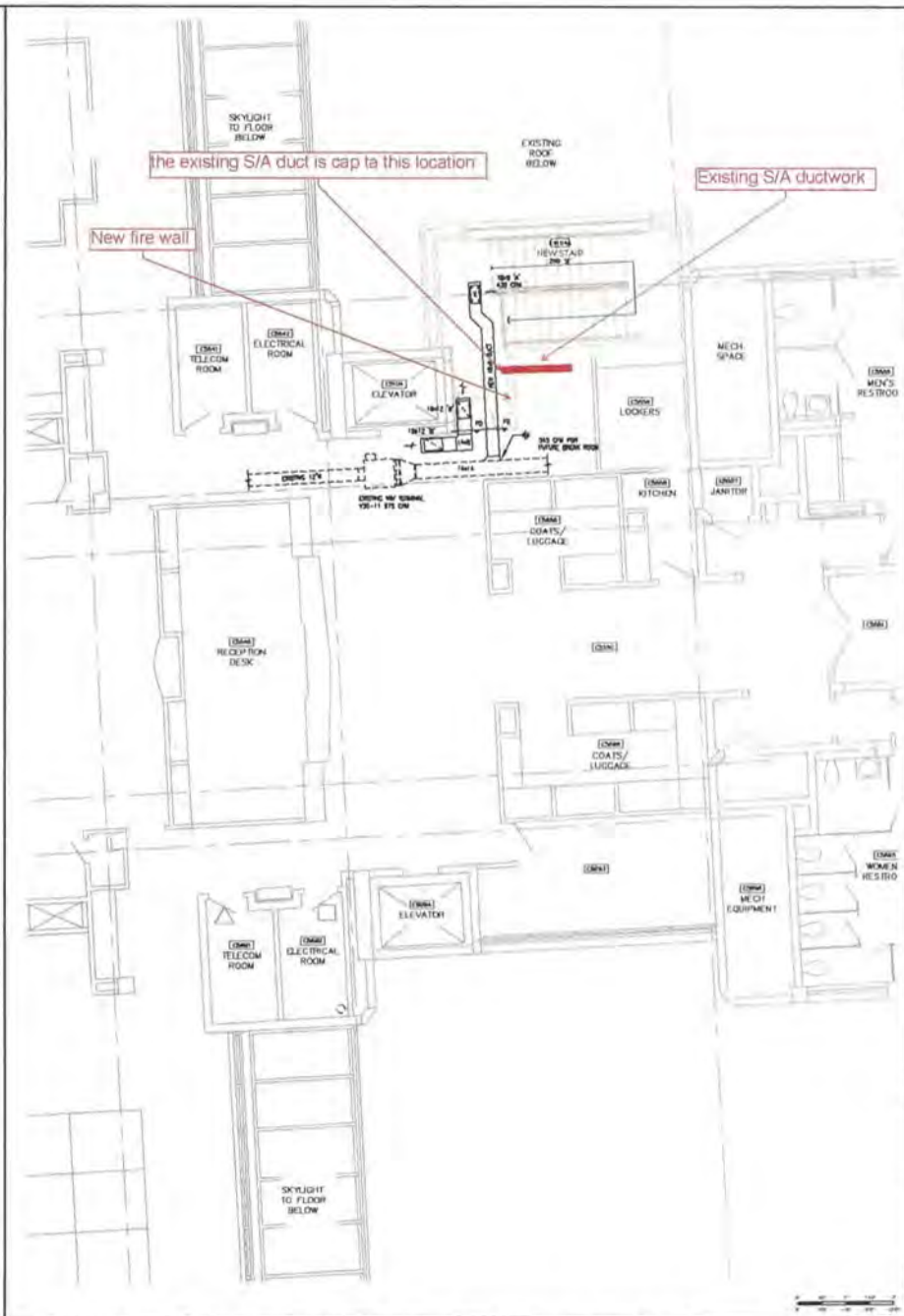
New duct(it is ok)

Existing S/A duct



ENLARGED STAIR PLAN - 4TH FLOOR - MECHANICAL PLAN

SCALE 1/4" = 1'-0"



ENLARGED STAIR & ELECTRICAL ROOM PLANS - 5TH FLOOR - MECHANICAL PLAN

SCALE 1/4" = 1'-0"

NO.	DESCRIPTION	DATE

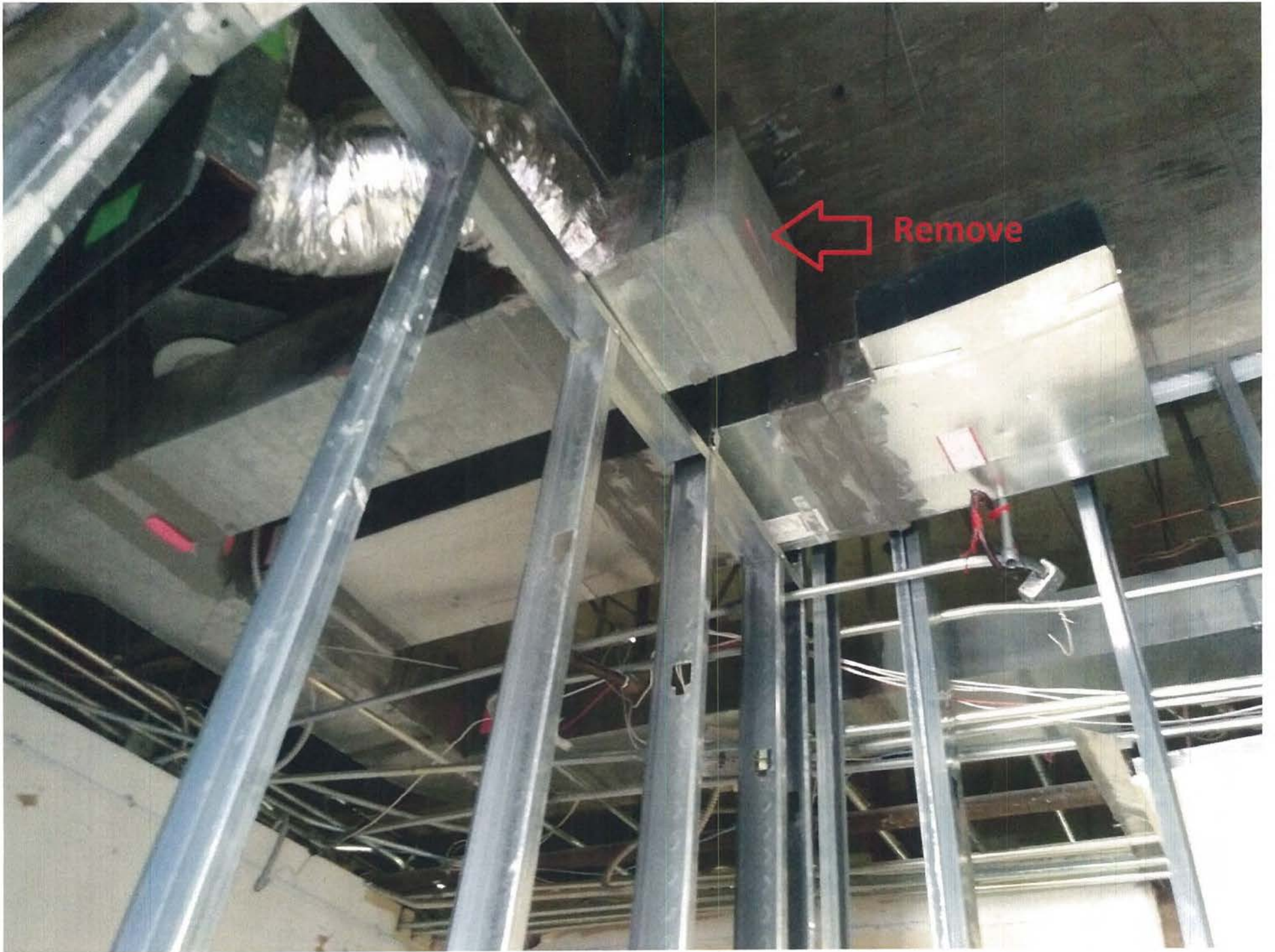
REVISIONS

DATE ISSUED

SHEET

M-3

DATE ISSUED 06-05-10





More details: [View online](#) [Open In App](#)

Arezki Djerroud (MCM) responded to Question 1 on Wednesday, June 24, 2020 at 11:17 am.

Response: **Partially please remove the existing duct so it does not cross the fire rated partition. No need for fire damper then.**  
**The duct is capped off, so I am assuming it is not serving any area beyond that point.**

Attachments: None

## RFI Details

This RFI is due on Tuesday, June 30, 2020.

### QUESTION 1

Asked By: Arezki Djerroud (MCM)  
Date: Wed Jun 24, 2020 at 08:11 am EDT  
Location: 5th Floor  
Question: **Sudhir,**

**As per existing conditions, there is an existing supply air ductwork on the 5th floor in the way of the new fire wall without fire damper. We are proposing the following options:**

1.
  1. Partial remove of the existing Supply Air Duct (S/A)
  2. Install a new fire damper.
  3. See attached subcontractor RFI # 6 for more details and location

**Note: This RFI is marked urgent. Please respond ASAP or to your earliest convenience.**

Attachments: [RFI # 6.pdf](#)

### All Replies

Answered By: Arezki Djerroud (MCM)  
Date: Wed Jun 24, 2020 at 11:17 am EDT

Response: **Partially please remove the existing duct so it does not cross the fire rated partition. No need for fire damper then.**  
**The duct is capped off, so I am assuming it is not serving any area beyond that point.**

Attachments: None

### ADDITIONAL DETAILS

Project: MIA AA Admirals Club  
Subject: Existing Supply Air Duct on 5th Floor  
Date Initiated: 06/24/20  
Created By: Arezki Djerroud (MCM)  
Assigned To: Gupta, Sudhir (Innovative Engineering)  
Responsible Contractor: Air.Zone Inc  
Received From: Alberto Garcia (Air.Zone Inc)  
Distribution List: Calderin, Alberto (MCM)  
Da Gama, Ruben (MCM)  
Garcia, Alberto (Air.Zone Inc)  
Gomez, Patricia (Miami Dade Aviation Department)  
Llanes, Juan Carlos (MCM)  
Silva, Andrew  
Schedule Impact: TBD  
Drawing Number: M-3

More details: [View online](#) [Open In App](#)

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# Transmittal #33

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

Project: 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

## RWP #25

**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 07/07/2020

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #25	Other	07/07/ 2020	1

**Comments**  
Emailed 7/7/2020

BY \_\_\_\_\_ DATE \_\_\_\_\_ COPIES TO \_\_\_\_\_



July 1, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #25**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is for the field investigation needed in order to find out why the VAV box was not working properly and to provide pneumatic air connector to the VAV box for proper function of same. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
Honeywell	See Attached	\$5,798.65
		<u>\$1,713.03</u>

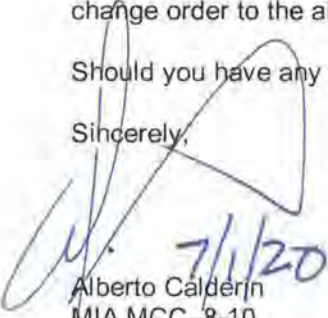
Subtotal:	\$7,511.68
MCC Fee (.0796%):	<u>\$597.92</u>
TOTAL:	\$8,109.60

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

  
Alberto Calderin  
MIA MCC-8-10  
General Manager

Cc: File

# HONEYWELL INTERNATIONAL

CHANGE ORDER # RN03 Main Pneumatic Air connection for VAV box

Project/Contract No. 752-16550-S Date: 06/15/20  
 Job No.: USB 019341  
 Customer Name: MCM  
 Reference/Customer No.: \_\_\_\_\_  
 Project Description: MIA Admirals Club  
 WBS Title/Number: \_\_\_\_\_

**From:** Honeywell International  
9315 NW 112th Ave  
Miami, FL 33178  
 \_\_\_\_\_  
 \_\_\_\_\_

**Adjustment Details:**  
 Original Contract Amount \$ \_\_\_\_\_  
 Net Previous Change \$ \_\_\_\_\_  
 Total Before This Change \$ \_\_\_\_\_  
**Amount of this change \$ 5,798.65**  
 Revised Contract Amount \$ \_\_\_\_\_

**To:** MCM Construction  
 \_\_\_\_\_  
 \_\_\_\_\_  
**Attn:** Ruben DaGamma

### **USE TAX INCLUDED**

Contract time will be:  
 increased by \_\_\_\_\_ days  
 decrease by \_\_\_\_\_ days  
 unchanged \_\_\_\_\_

#### Description of Work

**Background:**

\*Honeywell was directed to provide a price to feed from main air a VAV box on the 5th Floor AA Admirals club

\*Provide pneumatic labor and material to feed from main air one VAV box at the AA Admirals club, this price included one (1.0) direct acting Tstat .

- **SEE Details on Honeywell's labor scope breakdown**

**Exclusions:**

**VAV box not included on this price. VAV Box controller Not included on this price.** If lightweight concrete removal is needed to install Tstat, this work is not included on this price, it is to be done by others. Paint and patching is not included on this proposal.

All work to be carried out during normal working hours.

**Material will be ordered and work shall proceed upon receipt of an approved change order.**

**The work covered by this order shall be performed under the same Terms and Conditions as the original contract.**

**This proposal is for acceptance within 90 days and is subject to change and/or escalation thereafter.**

Proposal by: \_\_\_\_\_

**Acceptance of Charges:**

Customer Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Honeywell Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Customer Charge No.: \_\_\_\_\_

Copies: \_\_\_\_\_

**CHANGE ORDER PRICING TOOL**  
Page 1

<b>CONTRACT:</b>	752-16550-S Project 2019-758
<b>HWJOB NUMBER:</b>	USB 019341
<b>CUSTOMER NAME:</b>	MCM
<b>JOB NAME:</b>	MIA Admirals Club
<b>C.O. # / NAME:</b>	RN03 Main Pneumatic Air connection for VAV box
<b>DATE:</b>	6/15/2020

<b>Running Total</b>	<b>\$0</b>
----------------------	------------

LABOR	STANDARD HOURS	OVER TIME	DOUBLE TIME	TOTAL HOURS	LABOR RATE	TOTAL PRICE
PM HOURS	0				\$176.00	
FITTER HOURS	36			36.0	\$118.14	\$4,253.04
ENG HOURS	3			3.0	\$135.63	\$406.89
TECH HOURS	2			2.0	\$118.14	\$236.28
PROGRAMMER HOURS	1			1.0	\$163.58	\$163.58
EBI GRAPH PROGRAM HOURS	0				\$163.58	
AOIS GRAP PROGRAM HOURS	0				\$163.58	
DIAGNOSTIC HOURS						
ADMIN HOURS						
<b>TOTAL HOURS &amp; \$</b>	<b>42</b>			<b>42.0</b>		<b>\$5,059.79</b>

**MATERIAL & EQUIPMENT**

DESCRIPTION	PART NUMBER	QUANTITY	USERNET PRICE	TOTAL PRICE
Soft Cooper 1/4"	1/4" soft	28	3.69	\$103.32
Soft Cooper 3/16"	3/16" soft	38	4.21	\$159.98
Air Head Assembly	14001494-002	2	155.13	\$310.26
Direct Acting Tstat	TP970A2004	1	104.29	\$104.29
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>MAT. &amp; EQ. SUBTOTAL</b>				<b>\$677.85</b>
<b>FREIGHT</b>				
<b>EXT. WARRANTY</b>				
<b>USE TAX</b>				<b>\$0.00</b>
<b>MAT &amp; EQ. TOTAL</b>				<b>\$677.85</b>

**SUBCONTRACTORS**

DESCRIPTION	TOTAL COST
Florida Electric	
<b>SUBS TOTALS</b>	

**OTHER JOB EXPENSES**

DESCRIPTION	QUANTITY
TOTAL MISC. JOB EXP.	
<b>HW Bond Cost</b>	<b>\$0.00</b>

**PRICING SUBTOTAL**

COST TYPE	SUBTOTAL	TOTAL (15% Mark-Up)
Labor	\$5,059.79	\$5,059.79
Mat. Equip. & SW	\$677.85	\$677.85
Subcontract		
Other Costs		
Freight		\$13.56
Ext. Warranty		
Use Tax		\$47.45
Re-stocking Fee		

<b>TOTAL Price</b>	<b>\$5,798.65</b>
--------------------	-------------------

<b>JOB NUMBER:</b>	USB 019341
<b>JOB NAME:</b>	MIA Admirals Club
<b>CHANGE ORDER # / NAME:</b>	RN03 Main Pneumatic Air connection for VAV box
<b>DATE:</b>	6/15/2020

**SCOPE SHEET**

The work performed by Honeywell will be limited to the following:

Scope/Task	Description
VAV Box Main Air above ceiling	Install around 38 ft 1/4" cooper above installed ceiling, <b>this work includes two concrete wall penetrations</b> two guys ( eleven (11.0) Pneum Hrs) of work <b>TOTAL (22.0) Pneum Hrs</b>
VAV Box soft cooper tubing low pressure	Install around 28 ft 1/4" cooper from VAV Box to feed low pressure, two guys three (3.0) Hrs. <b>TOTAL Six (6.0) Pneum Hrs</b>
Rough in Head kit and VAV connection and testing	Two guys three(3.0) Hrs <b>TOTAL Four (6.0) Pneum Hrs</b>
VAV Commisioning	Demostration VAV is woriking Properly One guy Two Hrs <b>TOTAL Two(2.0) Pneum Hrs</b>
	<b>GRAN TOTAL (36.0) Pneum Hrs</b>

**Exclusions and Clarifications:**

This proposal is for labor hours only associated with the installation of the main air lines to feed a VAV box installed at AA Admirals Club 5th Floor



# HONEYWELL INTERNATIONAL

CHANGE ORDER # RN02 Pneumatic Troubleshooting Existing VAV Box - Tsta

Project/Contract No. 752-16550-S Date: 05/27/20

Job No.: USB 019341

Customer Name: MCM

Reference/Customer No.: \_\_\_\_\_

Project Description: MIA Admirals Club

WBS Title/Number: \_\_\_\_\_

**From:** Honeywell International  
9315 NW 112th Ave  
Miami, Fl 33178

**Adjustment Details:**  
Original Contract Amount \$ \_\_\_\_\_  
Net Previous Change \$ \_\_\_\_\_  
Total Before This Change \$ \_\_\_\_\_  
**Amount of this change \$ 1,713.03**  
Revised Contract Amount \$ \_\_\_\_\_

**To:** MCM Construction  
\_\_\_\_\_  
\_\_\_\_\_  
**Attn:** Ruben DaGamma

Contract time will be:  
increased by \_\_\_\_\_ days  
decrease by \_\_\_\_\_ days  
unchanged \_\_\_\_\_

### Description of Work

**Background:**

**\*Honeywell was directed to proceed with field investigation about the existing VAV box Pneumatic air feed .** Honeywell tested the VAV Box using manual Air pump, the VAV box not working, It was not control air at the VAV Box. Main Air lines have been traced, they were found around 40 ft away dissable and capped. This work was done with one guy the fist day two and half hours ( 2.5 Hrs) and a second day was needed to trace the main air lines, this was high work and two guys were nedded for safety requirements, two (2) guys four (4.0) Hrs total the second day eight (8.0) Hrs. **GRAN TOTAL 10.5 Hrs**

**\*Furnish .**

**Exclusions:**

Flow meter size to be apporved by mechanical contractor. Flow Meter to be installed by Mechanical contractor. This price only includes low volatge control wiring and Hardware and software Engineering for the BMS/ Controls portion of this change..

All work to be carried out during normal working hours.

**Material will be ordered and work shall proceed upon receipt of an approved change order.**

**The work covered by this order shall be performed under the same Terms and Conditions as the original contract.**

**This proposal is for acceptance within 90 days and is subject to change and/or escalation thereafter.**

Proposal by: \_\_\_\_\_

**Acceptance of Charges:**

Customer Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Honeywell Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Customer Charge No.: \_\_\_\_\_

Copies : \_\_\_\_\_

**CHANGE ORDER PRICING TOOL**  
Page 1

<b>CONTRACT:</b>	752-16550-S Project 2019-758
<b>HWJOB NUMBER:</b>	USB 019341
<b>CUSTOMER NAME:</b>	MCM
<b>JOB NAME:</b>	MIA Admirals Club
<b>C.O. # / NAME:</b>	RN02 Pneumatic Troubleshooting Existing VAV Box - Tstat Relocation 5th Floor
<b>DATE:</b>	5/27/2020

<b>Running Total</b>	<b>\$0</b>
----------------------	------------

LABOR	STANDARD HOURS	OVER TIME	DOUBLE TIME	TOTAL HOURS	LABOR RATE	TOTAL PRICE
PM HOURS	0				\$176.00	
FITTER HOURS	14.5			14.5	\$118.14	\$1,713.03
ENG HOURS	0				\$135.63	
TECH HOURS	0				\$118.14	
PROGRAMMER HOURS	0				\$163.58	
EBI GRAPH PROGRM HOURS	0				\$163.58	
AOIS GRAP PROGROMHOURS	0				\$163.58	
DIAGNOSTIC HOURS						
ADMIN HOURS						
<b>TOTAL HOURS &amp; \$</b>	<b>14.5</b>			<b>14.5</b>		<b>\$1,713.03</b>

**MATERIAL & EQUIPMENT**

DESCRIPTION	PART NUMBER	QUANTITY	USERNET PRICE	TOTAL PRICE
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>MAT. &amp; EQ. SUBTOTAL</b>				
<b>FREIGHT</b>				
<b>EXT. WARRANTY</b>				
<b>USE TAX</b>				\$0.00
<b>MAT &amp; EQ. TOTAL</b>				

**SUBCONTRACTORS**

DESCRIPTION	TOTAL COST
<b>SUBS TOTALS</b>	

**OTHER JOB EXPENSES**

DESCRIPTION	QUANTITY
<b>TOTAL MISC. JOB EXP.</b>	
<b>HW Bond Cost</b>	\$0.00

**PRICING SUBTOTAL**

COST TYPE	SUBTOTAL	TOTAL (15% Mark-Up)
Labor	\$1,713.03	\$1,713.03
Mat. Equip. & SW		
Subcontract		
Other Costs		
Freight		
Ext. Warranty		
Use Tax		
Re-stoking Fee		

<b>TOTAL Price</b>	<b>\$1,713.03</b>
--------------------	-------------------

<b>JOB NUMBER:</b>	USB 019341
<b>JOB NAME:</b>	MIA Admirals Club
<b>CHANGE ORDER # / NAME:</b>	RN02 Pneumatic Troubleshooting Existing VAV Box - Tstat Relocation 5th Floor
<b>DATE:</b>	5/27/2020

**SCOPE SHEET**

The work performed by Honeywell will be limited to the following:

Scope/Task	Description
	<p><b>VAV Box Troubleshooting DAY 1:</b> Honeywell was directed to proceed with field investigation about the existing VAV box was not working. Honeywell tested the VAV Box using manual Air pump, the VAV box not working, It was not control air at the VAV Box. FURther investigation/trobleshooting needed. This work two and half (2.5) Hrs, one pneumatic fitter</p> <p><b>. TOTAL 2.5 Pneum Hrs</b></p>
	<p><b>VAV Box troubleshooting DAY 2:</b> Trace Main Air lines, remove ceiling and and find exiting runs for the pneumatic lisnes main air surce was found 40ft away dissable and capped. This work was done in four Hrs with two pneumatic fitters due to teh safety requirements . <b>TOTAL 8.0 Pneum Hrs</b></p>
	<p><b>Re-route Pneumatic Tstat on 5th Floor in order to be able to close the walls:</b></p> <p><b>. TOTAL 4.0 Pneumatic Hrs</b></p>

**Exclusions and Clarifications:**

This proposal is for labor hours only associated with the support for Art Basel 2016. Please refer to attached labor hour breakdown and Time & Material Tickets for additional support.



## Hurtado, John (FL08)

---

**From:** Ruben DaGama <rdagama@mcm-us.com>  
**Sent:** Wednesday, April 29, 2020 2:53 PM  
**To:** Hurtado, John (FL08)  
**Cc:** Juan Carlos Llanes  
**Subject:** [External] MCC-8-10- Admiral's Club = VAV investigation

John,

As per our phone conversation, Your crew will attend the Admiral's Club project to finish, hopefully, the investigation of the VAV controls and define if the VAV and / or its controls can still be relocated.

Such action was already coordinated with our Superintendent Juan Carlos.

I thank you for your cooperation in all the projects.

Greetings,

### RUBEN DAGAMA



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PH: 305-541-0000  
6201 SW 70 ST, Miami, FL 33143



Please consider the environment before printing.  
A reminder from MCM, Building Excellence.

## Ruben DaGama

---

**To:** Ruben DaGama  
**Subject:** FW: [External] Fwd: MIA MCC-8 Terminal E Admirals club ( VAV box MDAD existing condition assessment request ) Important. 3/27/2020

---

**From:** Gomez, Patricia (Aviation) [mailto:PGomez@miami-airport.com]  
**Sent:** Tuesday, March 31, 2020 10:08 AM  
**To:** Juan Carlos Llanes  
**Cc:** Ruben DaGama; Jose E. Morales  
**Subject:** RE: [External] Fwd: MIA MCC-8 Terminal E Admirals club ( VAV box MDAD existing condition assessment request ) Important. 3/27/2020




This is an EXTERNAL email. **Exercise Caution.** DO NOT open attachments or click links from unknown senders or unexpected emails. Please use your Report Spam button if this is a suspicious message.

Good morning JC,

Please proceed, the unit needs to be in working conditions.

Thank you,

Patricia K. Gomez, Construction Manager 1  
**Miami-Dade Aviation Department**  
P.O. Box 025504  
Miami, FL 33102-5504  
305-869-4216 Phone  
305-794-2808 Cell  
[PGomez@miami-airport.com](mailto:PGomez@miami-airport.com)  
[www.miami-airport.com](http://www.miami-airport.com)

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**From:** Juan Carlos Llanes <jllanes@mcm-us.com>  
**Sent:** Tuesday, March 31, 2020 9:33 AM  
**To:** Gomez, Patricia (Aviation) <PGomez@miami-airport.com>  
**Subject:** Fwd: [External] Fwd: MIA MCC-8 Terminal E Admirals club ( VAV box MDAD existing condition assessment request ) Important. 3/27/2020

This is an EXTERNAL email. **Exercise Caution.** DO NOT open attachments or click links from unknown senders or unexpected emails. Please use your Report Spam button if this is a suspicious message.

Patricia, please read below the field report from Honeywell, we need directives to proceed **if and when we move the VAV it will remain the same as is now not operational**, we need directives to move forward with this . Your prompt response is greatly needed, as Air Zone is on site to start the work.

Thank you

Juan Carlos Llanes

MCM  
6201 SW 70th St., 2nd Floor  
Miami, FL 33143  
PH: 305-541-0000  
Fax: 305-541-9771  
M: 305-450-8926

Please consider the environment  
before printing.  
A reminder from MCM, 30 years  
Building Excellence.

MiamiSent from my iPhone

Begin forwarded message:

**From:** "Jose E. Morales" <[jmorales@mcm-us.com](mailto:jmorales@mcm-us.com)>  
**Date:** March 31, 2020 at 9:01:35 AM EDT  
**To:** "Hurtado, John (FL08)" <[John.Hurtado@Honeywell.com](mailto:John.Hurtado@Honeywell.com)>, Juan Carlos Llanes <[jllanes@mcm-us.com](mailto:jllanes@mcm-us.com)>  
**Cc:** Ruben DaGama <[rdagama@mcm-us.com](mailto:rdagama@mcm-us.com)>, Arezki Djerroud <[arezkid@mcm-us.com](mailto:arezkid@mcm-us.com)>, Alberto Calderin <[acalderin@mcm-us.com](mailto:acalderin@mcm-us.com)>, MIA- Alberto Garcia <[Alberto@air.zone](mailto:Alberto@air.zone)>, "Pino, Henry (FL08)" <[Henry.Pino@Honeywell.com](mailto:Henry.Pino@Honeywell.com)>, "Rios, Ivan" <[Ivan.Rios@Honeywell.com](mailto:Ivan.Rios@Honeywell.com)>  
**Subject:** RE: [External] Fwd: MIA MCC-8 Terminal E Admirals club ( VAV box MDAD existing condition assessment request ) Important. 3/27/2020

Ruben,

Please process information provided by honeywell acourdenly ASAP.  
Request quotes base on field conditions provided by honeywell from corresponding contractor. ( s ).

\* Advice if any assistance is needed.  
Thanks.

Respectfully,  
Jose E Morales.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Hurtado, John (FL08)" <[John.Hurtado@Honeywell.com](mailto:John.Hurtado@Honeywell.com)>  
Date: 3/31/20 8:52 AM (GMT-05:00)  
To: "Jose E. Morales" <[jmorales@mcm-us.com](mailto:jmorales@mcm-us.com)>, Juan Carlos Llanes <[jllanes@mcm-us.com](mailto:jllanes@mcm-us.com)>

Cc: Ruben DaGama <rdagama@mcm-us.com>, Arezki Djerroud <arezkid@mcm-us.com>, Alberto Calderin <acalderin@mcm-us.com>, MIA- Alberto Garcia <Alberto@air.zone>, "Pino, Henry (FL08)" <Henry.Pino@Honeywell.com>, "Rios, Ivan" <Ivan.Rios@Honeywell.com>  
Subject: RE: [External] Fwd: MIA MCC-8 Terminal E Admirals club ( VAV box MDAD existing condition assessment request ) Important. 3/27/2020

Jose,

The impact of these conditions will be: After you relocate the existing VAV box the space won't have AC.

The next steps, you have two options:

**Option 1:**

Repair the existing

**Option 2:**

Install a new VAV box and a new T-stat on the new location.

Let me know if you have any other question.

John

SUBJECT

CONCE VAV / ADMIRALS CLUB

DATE

4-09-20

NO PNEUMATIC CONTROL AIR TO VAV ADMIRALS CLUB

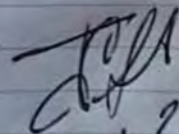
Started tracing Pneumatic Lines  
TO VAV WITH NO PNEUMATIC AIR FOR

MCM CONTRACTOR. JUAN CARLOS LLANES

SUPERVISOR.

Ivan Rios 2.5 HRS.

JUAN CARLOS LLANES  
MCM

  
5-1-20

SUBJECT

CONC E / E 20-E 33 Admirals Club

DATE

4-30-20

TESTED EXISTING VAV USING manual AIR  
PUMP. NO CONTROL AIR PRESENT AT VAV  
TRACE CONTROL LINES. CONTROL LINES  
DISSABLED AND CAP. REASON UNKNOWN.

DEFECTIVE VAV - Recomend to Replac  
NEW VAV.

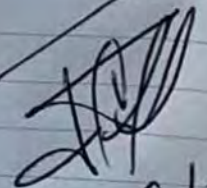
NEW MAIN AIR SOURCE ( TSTATS Line  
WILL HAVE TO BE INSTALLED.

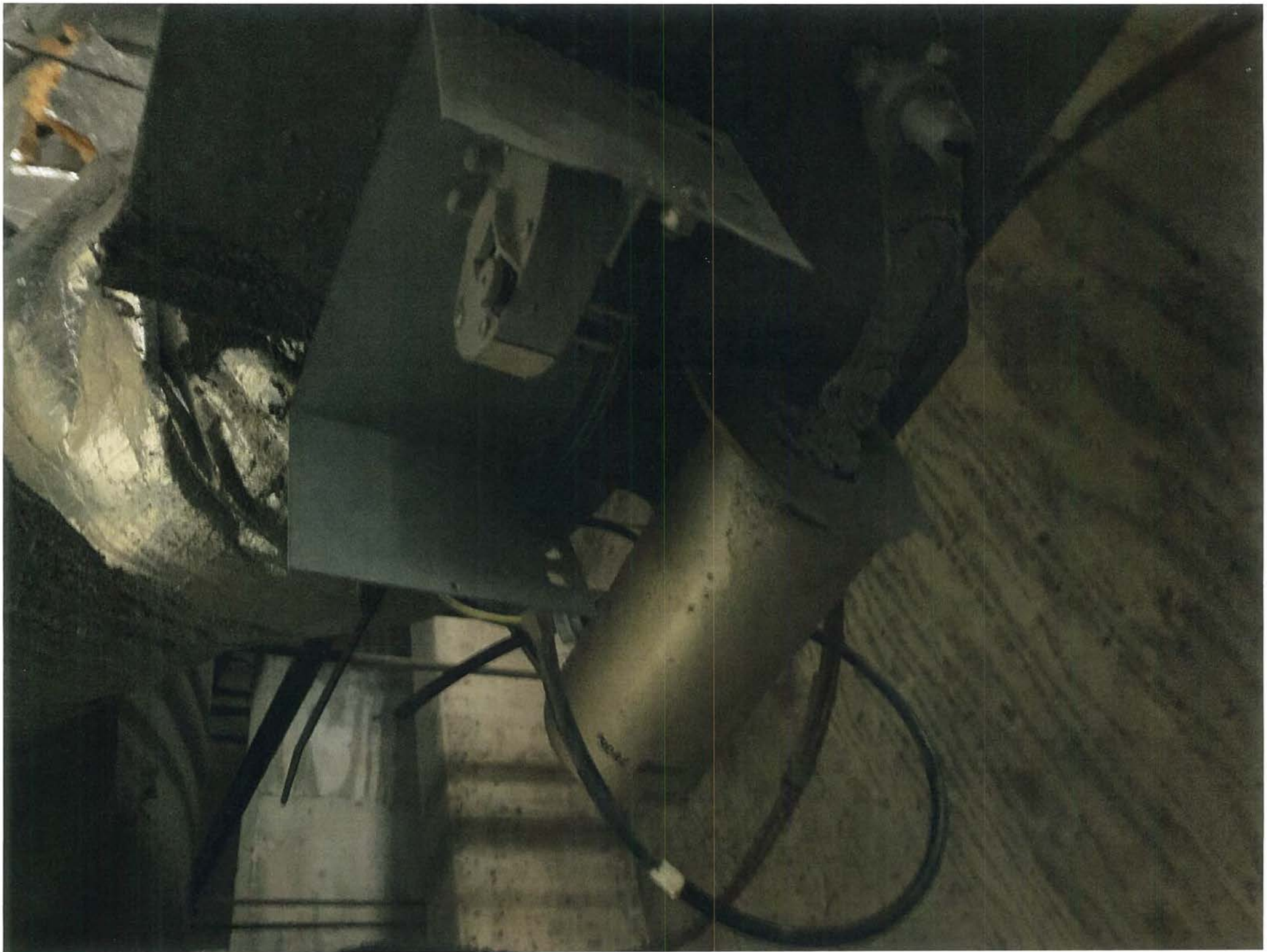
✓✓ / VAN RIOS - 4 HRS.

✓✓ TRENT EVANS - 4 HRS.

JUAN Carlos Llanes

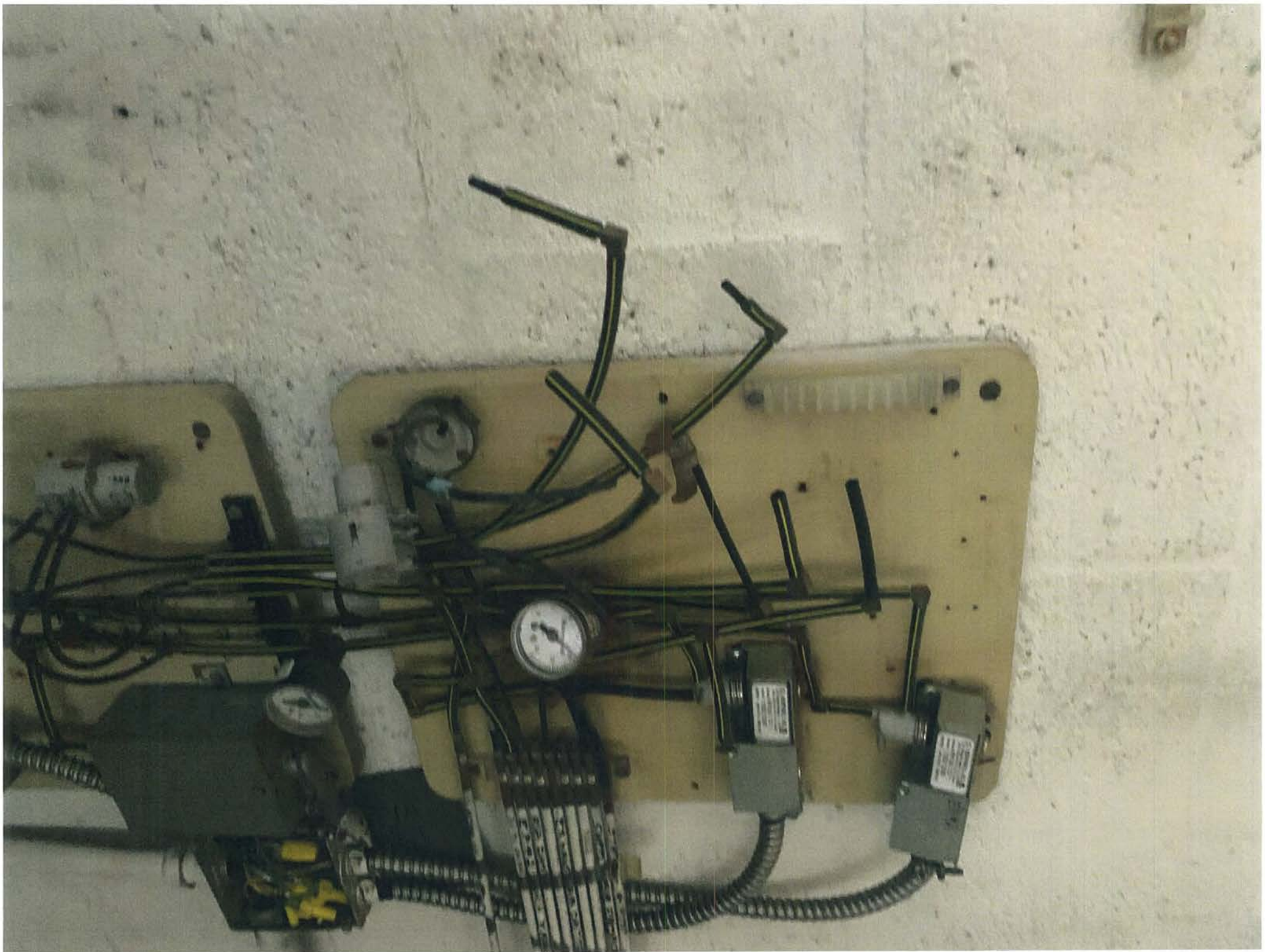
MCM.

  
5-1-20



A photograph of a mechanical device, possibly a VAV control valve, with a speech bubble overlay containing the text 'VAV control Non responsive'. The device is mounted on a metal structure and has several wires connected to it. The background is dark and indistinct.

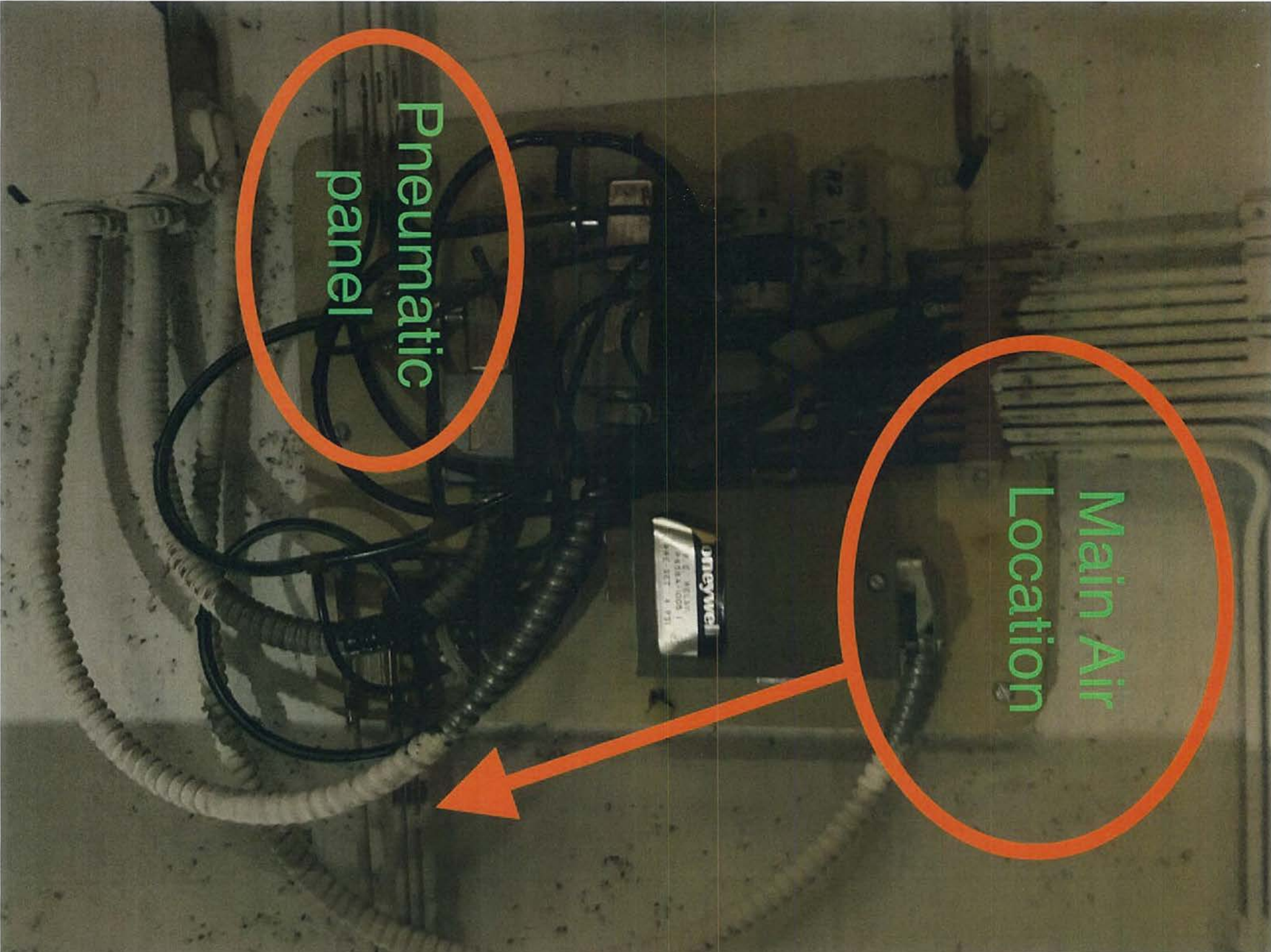
VAV control  
Non responsive



Main Air  
Location

Pneumatic  
panel

omeywell  
7.5 RELAY  
4458A-1005 I  
197-327 4 731







Control  
Lines  
No. 8



Pneumatic  
panel  
Location

# Daily Construction Report

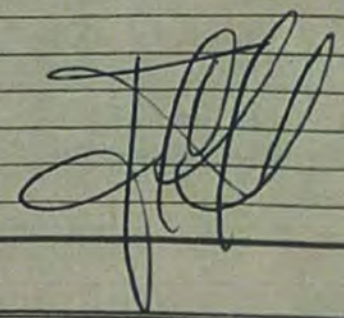
**Honeywell**

Report Date: MONDAY 6-15-26 Report No.: \_\_\_\_\_  
 Project Name: TSTAT RELOCATION AT ADMIRALS CLUB Project No.: \_\_\_\_\_  
 Project Scope: \_\_\_\_\_ Project Phase: \_\_\_\_\_  
 Report Recipient: MCM JUAN CARLOS LLANES

Weather Conditions	Project Team				Fitters			Subcontractors				
	Project Management	Project Engineering	Field Supervision	Field Technical	Foremen	Journeyman	Apprentices	Non-Union Labor	Project Management	Field Supervision	Journeyman	Apprentices
Job Site Conditions												
Equipment / Material Deliveries												
Visitors - note if Escort required												
Work / Task Details	Budget Hours:											
	Actual Hours:						4					

At the request of MCM CONTRACTOR  
 Relocated TSTAT CONTROL LINES to NEW  
 Wall at the 5<sup>th</sup> FLOOR ADMIRALS CLUB  
 NO MARKINGS OR # AT WAV

JUAN Carlos LLanes  
 MCM.



Project Manager / Supervisor Acknowledgement & Date: 4 HRS



2020/06/03 13:36:27



# Transmittal #45

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

---

## RWP #27r.1

---

**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 03/11/2021

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #27r.1	Other	03/11/ 2021	1

### Comments

Emailed 3/11/2021

---

**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



March 9, 2021

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #27R.1**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal **is to revise the original RWP #27 to eliminate the previous request to demolish and replace the ceiling, demolish existing doors E-4656, E-4651, and E-4551, and to construct temporary walls and doors to isolate the work.** This proposal only includes the installation of the new ceiling at the North, Central and South corridors. **Also included in this revised proposal is a credit for SOV Line Item D-2.02-00-02 "Re-install Sections/Entire Ceiling, Suspension System and Associated Accessories" as per original contract.** Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
Fleites Construction Group	Add'l/New Work	\$17,065.11
	Deduct to SOV Line Item Stated Above	<u>(\$3,523.50)</u>
	Subtotal:	\$13,541.61
	MCC Fee (.0796%):	<u>\$1,077.92</u>
	TOTAL:	\$14,619.53

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

Juan Munilla  
MIA MCC-8-10  
General Manager

3/11/21

Cc: File

COMPANY: Fleites Construction

DATE:

4-Feb-21

REFERENCE: MIA -

MCC-8-10 Admiral Club = New Ceiling / Demolition / Temp Wall - Ch

Location:

Description: Phases 3 and 4

		LABOR						
CLASIFICACION	Days	HOURS	Reg. Rate	Burden %	Uniforms	RATE	TOTAL	
<b>Complete Scope</b>								
Foreman	2	24	\$ 37.30	136.00%	\$ 50.73	\$ 50.73	\$ 1,217.47	
<b>Remove Ceiling and dispose it at the ramp dumpster</b>								
				<b>36%</b>				
Carpenter	2	16	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ 768.13	
Carpenter	2	16	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ 768.13	
Labor	2	16	\$ 23.27	136.00%	\$ 31.65	\$ 31.65	\$ 506.36	
<b>Cover two 8"x 8" openings at corridor.</b>								
Carpenter	1	8	31.46	136.00%	\$ 42.79	\$ 42.79	\$ 342.28	
Carpenter	1	8	31.46	136.00%	\$ 42.79	\$ 42.79	\$ 342.28	
<b>Install New Ceilings</b>								
		0						
Carpenter	5	40	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ 1,920.32	
Carpenter	5	40	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ 1,920.32	
Labor	5	40	\$ 23.27	136.00%	\$ 31.65	\$ 31.65	\$ 1,265.89	
<b>Credit for reinstall existing ceiling from original contract</b>								
Carpenter	3	24	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ (1,152.19)	
Carpenter	3	24	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ (1,152.19)	
Labor	3	24	\$ 23.27	136.00%	\$ 31.65	\$ 31.65	\$ (759.53)	
<b>TOTAL LABOR</b>							<b>\$ 5,987.26</b>	

		EQUIPMENTS		
Monthly	Dumpster	1	\$ 550.00	\$ 550.00
<b>TOTAL EQUIPMENTS</b>				<b>\$ 550.00</b>

		MATERIAL		
CLASIFICACION	HOURS / QTY	RATE	TOTAL	
<b>Cover two 8"x 8" openings at corridor.</b>				
Each	Drywall 1/2"	1.00	13.58	\$ 13.58
<b>Acoustical Ceilings</b>				
Box	12' Main Tee	4.00	\$ 122.40	\$ 489.60
Box	2" Cross Tees	14.00	\$ 59.40	\$ 831.60
Box	12' Angle Molding	1.00	\$ 126.00	\$ 126.00
Box	Ultima 24"x 24"x 3/4"	33.00	\$ 93.60	\$ 3,088.80
Bundle	#12 Hanger Wire	2.00	\$ 65.00	\$ 130.00
<b>MATERIAL TOTAL</b>			<b>\$ 4,679.58</b>	
<b>TAX 7%</b>			<b>\$ 327.57</b>	
<b>TOTAL MATERIAL</b>			<b>\$ 5,007.15</b>	

<b>TOTAL</b>	<b>\$ 5,557.15</b>
--------------	--------------------

LABOR	\$ 5,987.26
EQUIPMENTS	\$ 550.00
MATERIAL	\$ 5,007.15
SUBTOTAL	\$ 11,544.41
O&P 15 %	\$ 1,731.66
TOTAL	\$ 13,276.08
Bond 2%	\$ 265.52
TOTAL	\$ 13,541.60



# Transmittal #37

MCM  
 6201 SW 70th Street, Suite 100  
 Miami, Florida 33143  
 Phone: (305) 541-0000  
 Fax: (305) 541-9771

Project: 2019-758 - MIA AA Admirals Club  
 Miami International Airport  
 Miami, Florida

## RWP #29

**TO:** Patricia Gomez (Miami Dade Aviation Department) **FROM:** Carolyn Modeste (MCM)  
 6201 SW 70th Street, 2nd Floor  
 Miami, Florida 33143

**CREATED DATE:** 11/24/2020

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	Sent date 11/24/20

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #29	Other	11/24/ 2020	1

### Comments

Email 11/24/20

BY \_\_\_\_\_ DATE \_\_\_\_\_ COPIES TO \_\_\_\_\_



November 18, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #29**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal refers to the replacement of the ceiling lights to be installed according with drawing E-4, revision 4 for doors E-4551, E-4651, E-4656, E-4550, and E-4550-2. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
ARO Electrical	See Attached	\$39,948.10
	MCC Fee (.0796%):	\$3,179.86
	TOTAL:	\$43,127.96

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

Juan Munilla  
MIA MCC-8-10  
General Manager

Cc: File

# ARO Electrical Contractor, Inc.

16540 SW 97th Street, Miami, FL 33196

**Name / Address**

MCM  
 Attn: Ruben DaGama  
 6201 SW 70 ST, 2nd Floor  
 Miami, FL 33143

MCC-X-113-A-MIA-Admirals Club E4550

Date	Estimate #	Ship To		
11/9/2020	202011091	MCC-X-113-A-MIA-Admirals Club E4550		
Description		Qty	Rate	Total
MCC-X-113-A-MIA-Admirals Club E4550 <u>Electrical Scope:</u>  11. Demolition of ceiling lights and exit lights. 2. Demolition of outlet boxes, conduits and wire. 3. Install supports for boxes and conduits of existing power, fire alarm, ac control, matrix, and dash door systems. 4. Install new outlet boxes, conduits and wiring for new ceiling lights and exit lights. 5. Install supports for new ceiling lights. 6. Trace and remove all existing unused conduits and control cable above ceiling. 7. Temporary remove and re-install existing F/A devices. 8. Remove existing key switches and signal lights of		1	39,948.10	39,948.10
We look forward to working with you.			<b>Total</b>	

WE HEREBY propose to furnish all labor and materials for a complete electrical installation in accordance with plans and specifications for the above referenced project. With payment(s) to be made as follows: 1. Payment = 30% due at contract signing; 2. Payment = 40% due after rough inspection by the building department; 3. Payment = 30% due after final inspection by the building department

All material is guaranteed to be as specified unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the parties obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and non-taxable, from the non-prevailing party.

THIS PROPOSAL is valid for 30 Days and shall become void at the option of the undersigned.

Authorized By: Volker Stenkewitz

Title: President

License #: EC13004264

**Inclusions, exclusions, clarifications, and qualifications are as follows:**

All material prices are subject to change. This Proposal does not contain Permit Fees or any other Fees.

### Acceptance of Proposal

THE ABOVE proposed sum, conditions and qualifications are hereby accepted. You are authorized to do the electrical work as specified with payments remitted in accordance with this Proposal.

Authorized By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Phone # (786) 259-5739

Fax # (786) 462-9138

aroelectric@gmail.com

http://www.aroelectrical.com

# ARO Electrical Contractor, Inc.

16540 SW 97th Street, Miami, FL 33196

**Name / Address**

MCM  
 Attn: Ruben DaGama  
 6201 SW 70 ST, 2nd Floor  
 Miami, FL 33143

Date	Estimate #	Ship To		
11/9/2020	202011091	MCC-X-113-A-MIA-Admirals Club E4550		
Description		Qty	Rate	Total
security doors.				
We look forward to working with you.			<b>Total</b>	

WE HEREBY propose to furnish all labor and materials for a complete electrical installation in accordance with plans and specifications for the above referenced project. With payment(s) to be made as follows: 1.Payment = 30% due at contract signing; 2. Payment = 40% due after rough inspection by the building department ; 3.Payment = 30% due after final inspection by the building department

All material is guaranteed to be as specified unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the parties obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and non-taxable, from the non-prevailing party.

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Authorized By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Phone # (786) 259-5739

Fax # (786) 462-9138

aroelectric@gmail.com

http://www.aroelectrical.com

# ARO Electrical Contractor, Inc.

16540 SW 97th Street, Miami, FL 33196

**Name / Address**

MCM  
 Attn: Ruben DaGama  
 6201 SW 70 ST, 2nd Floor  
 Miami, FL 33143

11/9/2020

Date	Estimate #	Ship To		
11/9/2020	202011091	MCC-X-113-A-MIA-Admirals Club E4550		
Description		Qty	Rate	Total
We look forward to working with you.			<b>Total</b>	<b>\$39,948.10</b>

WE HEREBY propose to furnish all labor and materials for a complete electrical installation in accordance with plans and specifications for the above referenced project. With payment(s) to be made as follows: 1.Payment = 30% due at contract signing; 2. Payment = 40% due after rough inspection by the building department ; 3.Payment = 30% due after final inspection by the building department

All material is guaranteed to be as specified unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the parties obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and non-taxable, from the non-prevailing party.

THIS PROPOSAL is valid for 30 Days and shall become void at the option of the undersigned.

Authorized By: Volker Stenkewitz

Title: President

License #: EC13004264

**Inclusions, exclusions, clarifications, and qualifications are as follows:**

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### Acceptance of Proposal

THE ABOVE proposed sum, conditions and qualifications are hereby accepted. You are authorized to do the electrical work as specified with payments remitted in accordance with this Proposal.

Authorized By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Phone # (786) 259-5739

Fax # (786) 462-9138

aroelectric@gmail.com

http://www.aroelectrical.com

## Estimate Report Detail - Recap

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

<b>Setup</b>	
Work Hours in a Day	8
Work Days in a Month	20
Months in Contract	1
# of Foremen	1
# of General Foremen	0
Job Start Date	
Job End Date	
<b>Wage Rates</b>	
Average	\$46.73
Foremen	\$50.79
General Foremen	\$54.00
<b>Miscellaneous</b>	
Taxes & Ins. On Wages	22.600%
Bond Premium	0.000%
<b>Overhead</b>	
Labor	10.000%
Non-Quoted Material	10.000%
Quoted Material	10.000%
Job Expenses	10.000%
Sub-Contracts	10.000%
Overhead on Sales Tax	10.000%
<b>Profit</b>	
Labor	5.000%
Non-Quoted Material	5.000%
Quoted Material	5.000%
Job Expenses	5.000%
Sub-Contracts	5.000%
Profit on Sales Tax	5.000%
<b>Sales Tax</b>	
Material	7.000%
Labor	0.000%
<b>Overtime Hours</b>	
Time and a Half	0
Double Time	0
Triple Time	0
<b>Job Expenses</b>	
Total	\$2,587.19
<b>Other Costs</b>	
Subcontracts	\$0.00
Allowances	\$0.00
Square Footage	0

Quotation

FERNANDO MIRANDA

Date: 11/2/2020

Job Name: MIAMI INTERNATIONAL AIRPORT SATTLLITE "E" RAMP BREAK ROOM RENOVATION

TO:  
ARO ELECTRICAL

ATT: VOLKER



ITEM#	TYPE	QTY	DESCRIPTION	UNIT	UNIT PRICE	TOTAL
1			QUOTATION FOR THIS PROJECT			
2						
3						
4		15	Please see below pricing for the Lighting on this project	1	\$105.25	\$1,578.75
5						
6						
7			NOTE: READ ALL NOTES AND COMMENTS ON THE QUOTATIONS ATTACHED.			
8						
9						
10			PLUS FREIGHT			
11						
12						
13						
14						
15			QUOTE DOES NOT INCLUDE TAXES AT THIS TIME.			
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
					<b>Subtotal</b>	\$1,578.75
					<b>Tax</b>	
					<b>Surtax</b>	\$0.00
					<b>Total</b>	\$1,578.75

Tax rate:

QUOTE # SQ037143

MIAMI INTERNATIONAL AIRPORT SATELLITE "E" RAMP BREAK ROOM RENOVATION

Date: 11/2/2020 10:22 AM



SESCO LIGHTING

FT LAUDERDALE

737 Shotgun Rd
Ft Lauderdale FL 33326
P 954-474-9888 | F: 954-474-9773

"If there is a problem with a SESCO product that you specified or we supplied, we will fix it... PERIOD"

To: SOUTH DADE ELECTRIC SUPPLY
13100 SW 87TH AVE
MIAMI FL 33176
Job/Project Name: MIAMI INTERNATIONAL AIRPORT SATELLITE "E" RAMP BREAK ROOM RENOVATION

Contractor: ARO ELECTRIC
Bid Date: 11/26/2019
Location: MIAMI, FL
Specifiers: CPH ENGINEERS
SCHINDLER ARCHITECTS
Contact Name:
Type: Electrical Engineer

Remarks:

Table with 5 columns: Qty, Type, Mfg, Description, Price. Row 1: 15, 2X4, DAYBRI, 2FPZ-43L-835-4-DS-UNV-DIM-F2/5W

SUBJECT TO APPROVAL, SPECIFIC CAT# NOT PROVIDED
ANY CHANGES WILL REQUIRE A REQUOTE
BOM MEETS FREIGHT ALLOWANCE AS QUOTED
SMALLER RELEASES OR CHANGES MAY INCUR FREIGHT CHARGES
TOTAL:

Prices Firm for Entry By: 30 Days
Shipment By:
Lead Time: Varies by Mfg

Printed By: Worthy, Elizabeth
Email:
Date: 11/2/2020

- > Price per BOM only
> Complete quote must be used; no partials
> Spare material, allowances, dimmers and sales tax NOT included unless noted
> Prices include standard finishes only unless noted
> Lamps are not included unless noted (This does not apply to fixtures with internal LED diodes)
> Pole wind load calculations do not include structural base engineering
> Project may include SESCO start-up services which consist of programming, testing, end user training and system configuration back up. These services are required for manufacturers warranty. To ensure this warranty, SESCO start-up costs are non-refundable
> All warranties as per manufacturers terms
> All shipments FOB origin
> Deposits may be required as noted at time of breakdown
> Quotation valid 30 days
> Hold for Release orders do not secure project pricing but may be required for factory drawings
> Additional costs will be charged to ship the Anchor Bolts and Template out ahead of time

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

### Bid Summary

### Adjustments

306.88 Hours @ \$46.73		\$14,340.69	_____
160.00 Foreman Hours @ \$50.79		\$8,126.40	_____
0.00 General Foreman Hours @ \$54.00		\$0.00	_____
Taxes & Insurance At	22.60%	\$5,167.43	_____
Time and a Half	0.00	\$0.00	_____
Double Time Hours	0.00	\$0.00	_____
Triple Time Hours	0.00	\$0.00	_____
Taxes & Insurance on OT Hours		\$0.00	_____
Total Labor Cost		\$27,634.52	_____
Material		\$4,079.80	_____
Sales Tax On Material @ 7.000%		\$285.59	_____
Job Expenses		\$2,587.19	_____
Sub-Contracts		\$0.00	_____
Contractor Cost		\$34,587.10	_____
Overhead	10% (composite)	\$3,458.71	_____
Cost with Overhead		\$38,045.81	_____
Profit	5% (composite)	\$1,902.29	_____
Cost with O.H. + Profit		\$39,948.10	_____
Bid Security %	6.9%		
Allowances		\$0.00	_____
Bond Premium	0.00%	\$0.00	_____
<b>Preliminary Bid Price</b>		<b>\$39,948.10</b>	_____

#### Square Footage Analysis based on 0 Square Feet

<b>0.00</b>	<b>Bid Price per Square Foot</b>
<b>0.00</b>	<b>Material Cost with Tax per Square Foot</b>
<b>0.00</b>	<b>Labor Hours per Square Foot</b>
<b>0.00</b>	<b>Quoted Material per Square Foot</b>
<b>0.00</b>	<b>Non-Quoted Material per Square Foot</b>

### Bid Prices Submitted To

### Amount

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____

## Estimate Recap

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

		<b>Material</b>	<b>Labor</b>	
<b>Description</b>	<b>Level</b>	<b>Dollars</b>	<b>Hours</b>	
GRC Fittings	1	\$3.42	4.56	
EMT	1	\$635.14	27.75	
EMT Fittings	1	\$122.59	10.18	
Flexible Conduit	1	\$39.48	2.52	
Flex Conduit Fittings	1	\$20.72	2.52	
Outlet Boxes	1	\$260.21	14.80	
U-Channel	1	\$1,134.80	70.00	
Suspension Hangers	1	\$30.67	1.41	
Miscellaneous	1	\$158.84	139.76	
Copper Wire 600V	3	\$200.43	9.13	
Light Fixtures	4	\$1,473.50	19.46	
Fire Alarm	6	\$ .00	4.80	
	<b>Totals</b>	<b>\$4,079.80</b>	<b>306.88</b>	<b>Hrs</b>

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
E4550

**Bid Date:** 11/09/2020      **Job Type:**

**Bid Item:**      **Job #:**

### Audit Trail

#### Assemblies / Feeders

Quantity	Category	Sub-Category	Description	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
4	Fire Alarm	Addressable on Metal Stud	Install existing Smoke/Co2 Detector	\$11.56	\$46.24	1.68	6.72	
180	Feeder Assembly	3/4" EMT	3/4" EMT w. 6 #12 THHN	\$2.56	\$460.86	.17	30.99	
340	Feeder Assembly	1" EMT	Re-Support existing Ceiling Conduits	\$1.67	\$569.48	.07	24.02	
				<b>Total</b>	<b>\$1,076.58</b>		<b>61.72</b>	

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Items

Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
23	Generic	Remove Fluorescent Fixture	E	\$0.00	\$0.00	1.05	24.15	
5	Generic	Remove Exit Fixture	E	\$0.00	\$0.00	.90	4.50	
52	Generic	Remove Outlet/Device Box	E	\$0.00	\$0.00	.15	7.80	
380	Generic	Remove 1/2" - 1" EMT	E	\$0.00	\$0.00	.03	11.40	
1,700	Generic	Remove #18 - #4 Wire	E	\$0.00	\$0.00	.02	34.00	
2	Misc Job Items	Provide Shut-Down Form with Security Doors	E	\$0.00	\$0.00	7.50	15.00	
1	Misc Job Items	Provide Shut-Down Form with Signatures	E	\$0.00	\$0.00	7.50	7.50	
4	Generic	Remove F/A Device	E	\$0.00	\$0.00	.60	2.40	
23	Raco	14-1/4"-22-1/2" Bar Hanger w/Clip	E	\$3.81	\$87.63	.08	1.84	
23	Raco	4"x1-1/2" Cng Box	E	\$6.18	\$142.14	.30	6.90	
3	Generic	Remove Signal Door Light	E	\$0.00	\$0.00	.35	1.05	
3	Generic	Remove Key Door Switch	E	\$0.00	\$0.00	.25	.75	
3	Light Fixtures	Install existing Exit Light	E	\$0.00	\$0.00	1.12	3.36	
14	Light Fixtures	2X4 Lay-In LED Light	E	\$105.25	\$1,473.50	1.15	16.10	
84	Electri-Flex	1/2" Flexible Steel Conduit	E	\$0.47	\$39.48	.03	2.52	
14	Appleton	1/2" Straight Iron Flex Conn	E	\$0.36	\$5.04	.09	1.26	
14	O-Z/Gedney	1/2" 90Dg Iron Flex Conn	E	\$1.12	\$15.68	.09	1.26	
12	Raco	Re-Support existing Ceiling Box	E	\$0.00	\$0.00	.30	3.60	
1	Core Drilling	1/2"-1"x8" Depth Core Drilling	E	\$0.00	\$0.00	.75	.75	
1	Fire Proofing	1" Fire Proofing	E	\$12.44	\$12.44	.38	.38	
50	B-Line	1/4" Rod Coupling	E	\$0.32	\$16.00	.04	2.00	
1,740	B-Line	1/4" Threaded Rod	E	\$0.25	\$435.00	.02	34.80	

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Items

Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
7	Raco	1/2" & 3/4" KO 4"x1-1/2" Sq Drawn Box	E	\$0.71	\$4.97	.15	1.05	
7	Raco	Flat Blank 4" Sq Box Cover	E	\$0.26	\$1.82	.08	.56	
7	Raco	6" #12 Pigtail	E	\$0.35	\$2.45	.03	.21	
7	Erico	1/8-1/4" Stud Beam Clip	E	\$0.85	\$5.95	.03	.21	
63	3M	#16-#10 Red Wire Nut	E	\$0.16	\$10.08	.00	.00	
294	Copper Wire	#12 THHN Solid Copper	M	\$111.12	\$32.67	6.00	1.76	
200	Powers Fasteners	1/4" Rod Hanger Wedge Anchor	E	\$0.68	\$136.00	.15	30.00	
80	Steel City	Galv12Ga 1-1/2" Channel w/Holes	E	\$3.10	\$248.00	.10	8.00	
200	Steel City	1/4-20 1-1/2" Channel Spring Nut	E	\$1.47	\$294.00	.04	8.00	
400	B-Line	1/4"x1-1/4" Fender Washer	E	\$0.08	\$32.00	.01	4.00	
200	B-Line	1/4" Hex Nut	E	\$0.04	\$8.00	.04	8.00	
				<b>Total</b>	<b>\$3,002.85</b>		<b>245.11</b>	

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
E4550  
**Bid Date:** 11/09/2020      **Job Type:**  
**Bid Item:**      **Job #:**

### Audit Trail

#### Assemblies / Feeders

Quantity	Category	Sub-Category	Description	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
4	Fire Alarm	Addressable on Metal Stud	Install existing Smoke/Co2 Detector	\$11.56	\$46.24	1.68	6.72	
180	Feeder Assembly	3/4" EMT	3/4" EMT w. 6 #12 THHN	\$2.56	\$460.86	.17	30.99	
340	Feeder Assembly	1" EMT	Re-Support existing Ceiling Conduits	\$1.67	\$569.48	.07	24.02	
				<b>Total</b>	<b>\$1,076.58</b>		<b>61.72</b>	

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
E4550

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

**GRC Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	38	E	\$0.09	\$3.42	.12	4.56
<b>Total for GRC Fittings</b>				<b>\$3.42</b>		<b>4.56 Hrs</b>

**EMT****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	180	C	\$71.84	\$129.31	3.75	6.75
1" EMT	340	C	\$123.48	\$419.83	5.00	17.00
3/4" EMT Elbow	40	E	\$2.15	\$86.00	.10	4.00
<b>Total for EMT</b>				<b>\$635.14</b>		<b>27.75 Hrs</b>

**EMT Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Insul Steel Comprsn Conn	38	E	\$0.40	\$15.20	.09	3.33
3/4" EMT Steel Compression Coup	59	E	\$0.37	\$21.83	.05	2.95
3/4" EMT Clamp Back	36	E	\$0.62	\$22.32	.04	1.35
1" EMT Clamp Back	68	E	\$0.93	\$63.24	.04	2.55
<b>Total for EMT Fittings</b>				<b>\$122.59</b>		<b>10.18 Hrs</b>

**Flexible Conduit****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2" Flexible Steel Conduit	84	E	\$0.47	\$39.48	.03	2.52
<b>Total for Flexible Conduit</b>				<b>\$39.48</b>		<b>2.52 Hrs</b>

**Flex Conduit Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2" Straight Iron Flex Conn	14	E	\$0.36	\$5.04	.09	1.26
1/2" 90Dg Iron Flex Conn	14	E	\$1.12	\$15.68	.09	1.26
<b>Total for Flex Conduit Fittings</b>				<b>\$20.72</b>		<b>2.52 Hrs</b>

**Outlet Boxes****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
4"x1-1/2" Cng Box	23	E	\$6.18	\$142.14	.30	6.90
Re-Support existing Ceiling Box	12	E	\$0.00	\$0.00	.30	3.60
1/2"&3/4" KO 4"x1-1/2" Sq Drawn Box	7	E	\$0.71	\$4.97	.15	1.05
14-1/4"-22-1/2" Bar Hanger w/Clip	4	E	\$3.81	\$15.24	.08	.32
Flat Blank 4" Sq Box Cover	7	E	\$0.26	\$1.82	.08	.56
5/8" Rise 4" Sq 1G Device Ring	4	E	\$1.49	\$5.96	.08	.32
14-1/4"-22-1/2" Bar Hanger w/Clip	23	E	\$3.81	\$87.63	.08	1.84
6" #12 Pigtail	7	E	\$0.35	\$2.45	.03	.21
<b>Total for Outlet Boxes</b>				<b>\$260.21</b>		<b>14.80 Hrs</b>

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	400	E	\$0.08	\$32.00	.01	4.00

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
E4550

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4" Hex Nut	200	E	\$0.04	\$8.00	.04	8.00
1/4" Threaded Rod	1740	E	\$0.25	\$435.00	.02	34.80
1/4" Rod Coupling	50	E	\$0.32	\$16.00	.04	2.00
Galv12Ga 1-1/2" Channel w/Holes	80	E	\$3.10	\$248.00	.10	8.00
1/4-20 1-1/2" Channel Spring Nut	200	E	\$1.47	\$294.00	.04	8.00
3/4" EMT Channel Clamp	36	E	\$0.92	\$33.12	.05	1.80
1" EMT Channel Clamp	68	E	\$1.01	\$68.68	.05	3.40
<b>Total for U-Channel</b>				<b>\$1,134.80</b>		<b>70.00 Hrs</b>

**Suspension Hangers****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
4"x1-1/2" F/A Cng Box	4	E	\$6.18	\$24.72	.30	1.20
1/8-1/4" Stud Beam Clip	7	E	\$0.85	\$5.95	.03	.21
<b>Total for Suspension Hangers</b>				<b>\$30.67</b>		<b>1.41 Hrs</b>

**Miscellaneous****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
Provide Shut-Down Form with Security Doors	2	E	\$0.00	\$0.00	7.50	15.00
Provide Shut-Down Form with Signatures	1	E	\$0.00	\$0.00	7.50	7.50
1/2"-1"x8" Depth Core Drilling	1	E	\$0.00	\$0.00	.75	.75
1" Fire Proofing	1	E	\$12.44	\$12.44	.38	.38
#16-#10 Red Wire Nut	63	E	\$0.16	\$10.08	.00	.00
1 Wire Marker	8	E	\$0.04	\$0.32	.01	.08
1/4" Rod Hanger Wedge Anchor	200	E	\$0.68	\$136.00	.15	30.00
Remove Fluorescent Fixture	23	E	\$0.00	\$0.00	1.05	24.15
Remove Exit Fixture	5	E	\$0.00	\$0.00	.90	4.50
Remove Outlet/Device Box	52	E	\$0.00	\$0.00	.15	7.80
Remove F/A Device	4	E	\$0.00	\$0.00	.60	2.40
Remove Key Door Switch	3	E	\$0.00	\$0.00	.25	.75
Remove Signal Door Light	3	E	\$0.00	\$0.00	.35	1.05
Remove 1/2" - 1" EMT	380	E	\$0.00	\$0.00	.03	11.40
Remove #18 - #4 Wire	1700	E	\$0.00	\$0.00	.02	34.00
<b>Total for Miscellaneous</b>				<b>\$158.84</b>		<b>139.76 Hrs</b>

**Copper Wire 600V****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
#12 THHN Solid Copper	294	M	\$111.12	\$32.67	6.00	1.76
#12 THHN Stranded Copper	1260	M	\$119.07	\$150.03	5.00	6.30
Solid Pull Wire	355	M	\$49.95	\$17.73	3.00	1.07
<b>Total for Copper Wire 600V</b>				<b>\$200.43</b>		<b>9.13 Hrs</b>

**Light Fixtures****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
Install existing Exit Light	3	E	\$0.00	\$0.00	1.12	3.36
2X4 Lay-In LED Light	14	E	\$105.25	\$1,473.50	1.15	16.10

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

<b>Light Fixtures</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
<b>Total for Light Fixtures</b>				<b>\$1,473.50</b>		<b>19.46 Hrs</b>

<b>Fire Alarm</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
F/A Smoke/Co2 Detector	4	E	\$0.00	\$0.00	.60	2.40
F/A Wire Terminations	16	E	\$0.00	\$0.00	.15	2.40
<b>Total for Fire Alarm</b>				<b>\$0.00</b>		<b>4.80 Hrs</b>
<b>Total Material</b>				<b>\$4,079.80</b>		<b>306.88 Hrs</b>

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
E4550

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

### GRC Fittings

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	38					
<b>Total for GRC Fittings</b>						<b>Hrs</b>

### EMT

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	180					
1" EMT	340					
3/4" EMT Elbow	40					
<b>Total for EMT</b>						<b>Hrs</b>

### EMT Fittings

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Insul Steel Comprsn Conn	38					
3/4" EMT Steel Compression Coup	59					
3/4" EMT Clamp Back	36					
1" EMT Clamp Back	68					
<b>Total for EMT Fittings</b>						<b>Hrs</b>

### Flexible Conduit

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/2" Flexible Steel Conduit	84					
<b>Total for Flexible Conduit</b>						<b>Hrs</b>

### Flex Conduit Fittings

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/2" Straight Iron Flex Conn	14					
1/2" 90Dg Iron Flex Conn	14					
<b>Total for Flex Conduit Fittings</b>						<b>Hrs</b>

### Outlet Boxes

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
4"x1-1/2" CIng Box	23					

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
E4550

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

### Outlet Boxes

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Re-Support existing Ceiling Box	12					
1/2" & 3/4" KO 4"x1-1/2" Sq Drawn Box	7					
14-1/4"-22-1/2" Bar Hanger w/Clip	4					
Flat Blank 4" Sq Box Cover	7					
5/8" Rise 4" Sq 1G Device Ring	4					
14-1/4"-22-1/2" Bar Hanger w/Clip	23					
6" #12 Pigtail	7					
<b>Total for Outlet Boxes</b>						<b>Hrs</b>

### U-Channel

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	400					
1/4" Hex Nut	200					
1/4" Threaded Rod	1740					
1/4" Rod Coupling	50					
3/4" EMT Channel Clamp	36					
1" EMT Channel Clamp	68					
Galv12Ga 1-1/2" Channel w/Holes	80					
1/4-20 1-1/2" Channel Spring Nut	200					
<b>Total for U-Channel</b>						<b>Hrs</b>

### Suspension Hangers

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
4"x1-1/2" F/A Cing Box	4					
1/8-1/4" Stud Beam Clip	7					
<b>Total for Suspension Hangers</b>						<b>Hrs</b>

### Miscellaneous

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Provide Shut-Down Form with Security	2					
Provide Shut-Down Form with Signatur	1					

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
E4550

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

### Miscellaneous

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/2"-1"x8" Depth Core Drilling	1					
1" Fire Proofing	1					
#16-#10 Red Wire Nut	63					
1 Wire Marker	8					
1/4" Rod Hanger Wedge Anchor	200					
Remove Fluorescent Fixture	23					
Remove Exit Fixture	5					
Remove Outlet/Device Box	52					
Remove F/A Device	4					
Remove Key Door Switch	3					
Remove Signal Door Light	3					
Remove 1/2" - 1" EMT	380					
Remove #18 - #4 Wire	1700					
<b>Total for Miscellaneous</b>						<b>Hrs</b>

### Copper Wire 600V

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
#12 THHN Solid Copper	294					
#12 THHN Stranded Copper	1260					
Solid Pull Wire	355					
<b>Total for Copper Wire 600V</b>						<b>Hrs</b>

### Light Fixtures

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Install existing Exit Light	3					
2X4 Lay-In LED Light	14					
<b>Total for Light Fixtures</b>						<b>Hrs</b>

### Fire Alarm

### Material Dollars

### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
F/A Smoke/Co2 Detector	4					

**Quantity Survey**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
E4550

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

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**Fire Alarm**

**Material Dollars**

**Labor Hours**

---

**Description**

**Quantity**

**Per**

**Price**

**Total**

**Labor**

**Total**

F/A Wire Terminations

16

**Total for Fire Alarm**

**Hrs**

**Total Material**

**Hrs**

## Estimate Report Detail - Summary (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
E4550

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
2	Misc Job Items	Provide Shut-Down Form with Security Doors	Miscellaneous	E	\$0.00	\$0.00	7.50	15.00	
1	Misc Job Items	Provide Shut-Down Form with Signatures	Miscellaneous	E	\$0.00	\$0.00	7.50	7.50	
38	T & B	3/4" Plastic Bushing	GRC Fittings	E	\$0.09	\$3.42	.12	4.56	
180	Conduit	3/4" EMT	EMT	C	\$71.84	\$129.31	3.75	6.75	
340	Conduit	1" EMT	EMT	C	\$123.48	\$419.83	5.00	17.00	
40	Conduit Fittings	3/4" EMT Elbow	EMT	E	\$2.15	\$86.00	.10	4.00	
38	Raco	3/4" EMT Insul Steel Comprsn Conn	EMT Fittings	E	\$0.40	\$15.20	.09	3.33	
59	Raco	3/4" EMT Steel Compression Coup	EMT Fittings	E	\$0.37	\$21.83	.05	2.95	
36	Raco	3/4" EMT Clamp Back	EMT Fittings	E	\$0.62	\$22.32	.04	1.35	
68	Raco	1" EMT Clamp Back	EMT Fittings	E	\$0.93	\$63.24	.04	2.55	
84	Electri-Flex	1/2" Flexible Steel Conduit	Flexible Conduit	E	\$0.47	\$39.48	.03	2.52	
14	Appleton	1/2" Straight Iron Flex Conn	Flex Conduit Fittings	E	\$0.36	\$5.04	.09	1.26	
14	O-Z/Gedney	1/2" 90Dg Iron Flex Conn	Flex Conduit Fittings	E	\$1.12	\$15.68	.09	1.26	
23	Raco	4"x1-1/2" CIng Box	Outlet Boxes	E	\$6.18	\$142.14	.30	6.90	
12	Raco	Re-Support existing Ceiling Box	Outlet Boxes	E	\$0.00	\$0.00	.30	3.60	
7	Raco	1/2"&3/4" KO 4"x1-1/2" Sq Drawn Box	Outlet Boxes	E	\$0.71	\$4.97	.15	1.05	
4	Raco	14-1/4"-22-1/2" Bar Hanger w/Clip	Outlet Boxes	E	\$3.81	\$15.24	.08	.32	
7	Raco	Flat Blank 4" Sq Box Cover	Outlet Boxes	E	\$0.26	\$1.82	.08	.56	
4	Raco	5/8" Rise 4" Sq 1G Device Ring	Outlet Boxes	E	\$1.49	\$5.96	.08	.32	
23	Raco	14-1/4"-22-1/2" Bar Hanger w/Clip	Outlet Boxes	E	\$3.81	\$87.63	.08	1.84	
7	Raco	6" #12 Pigtail	Outlet Boxes	E	\$0.35	\$2.45	.03	.21	
400	B-Line	1/4"x1-1/4" Fender Washer	U-Channel	E	\$0.08	\$32.00	.01	4.00	
200	B-Line	1/4" Hex Nut	U-Channel	E	\$0.04	\$8.00	.04	8.00	
1,740	B-Line	1/4" Threaded Rod	U-Channel	E	\$0.25	\$435.00	.02	34.80	
50	B-Line	1/4" Rod Coupling	U-Channel	E	\$0.32	\$16.00	.04	2.00	
36	B-Line	3/4" EMT Channel Clamp	U-Channel	E	\$0.92	\$33.12	.05	1.80	
68	B-Line	1" EMT Channel Clamp	U-Channel	E	\$1.01	\$68.68	.05	3.40	
80	Steel City	Galv12Ga 1-1/2" Channel w/Holes	U-Channel	E	\$3.10	\$248.00	.10	8.00	
200	Steel City	1/4-20 1-1/2" Channel Spring Nut	U-Channel	E	\$1.47	\$294.00	.04	8.00	
4	Erico	4"x1-1/2" F/A CIng Box	Suspension Hangers	E	\$6.18	\$24.72	.30	1.20	
7	Erico	1/8-1/4" Stud Beam Clip	Suspension Hangers	E	\$0.85	\$5.95	.03	.21	
1	Core Drilling	1/2"-1"x8" Depth	Miscellaneous	E	\$0.00	\$0.00	.75	.75	

## Estimate Report Detail - Summary (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
E4550

**Bid Date:** 11/09/2020      **Job Type:**  
**Bid Item:**      **Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
		Core Drilling							
1	Fire Proofing	1" Fire Proofing	Miscellaneous	E	\$12.44	\$12.44	.38	.38	
63	3M	#16-#10 Red Wire Nut	Miscellaneous	E	\$0.16	\$10.08	.00	.00	
8	T & B	1 Wire Marker	Miscellaneous	E	\$0.04	\$0.32	.01	.08	
200	Powers Fasteners	1/4" Rod Hanger Wedge Anchor	Miscellaneous	E	\$0.68	\$136.00	.15	30.00	
23	Generic	Remove Fluorescent Fixture	Miscellaneous	E	\$0.00	\$0.00	1.05	24.15	
5	Generic	Remove Exit Fixture	Miscellaneous	E	\$0.00	\$0.00	.90	4.50	
52	Generic	Remove Outlet/Device Box	Miscellaneous	E	\$0.00	\$0.00	.15	7.80	
4	Generic	Remove F/A Device	Miscellaneous	E	\$0.00	\$0.00	.60	2.40	
3	Generic	Remove Key Door Switch	Miscellaneous	E	\$0.00	\$0.00	.25	.75	
3	Generic	Remove Signal Door Light	Miscellaneous	E	\$0.00	\$0.00	.35	1.05	
380	Generic	Remove 1/2" - 1" EMT	Miscellaneous	E	\$0.00	\$0.00	.03	11.40	
1,700	Generic	Remove #18 - #4 Wire	Miscellaneous	E	\$0.00	\$0.00	.02	34.00	
294	Copper Wire	#12 THHN Solid Copper	Copper Wire 600V	M	\$111.12	\$32.67	6.00	1.76	
1,260	Copper Wire	#12 THHN Stranded Copper	Copper Wire 600V	M	\$119.07	\$150.03	5.00	6.30	
355	Copper Wire	Solid Pull Wire	Copper Wire 600V	M	\$49.95	\$17.73	3.00	1.07	
3	Light Fixtures	Install existing Exit Light	Light Fixtures	E	\$0.00	\$0.00	1.12	3.36	
14	Light Fixtures	2X4 Lay-In LED Light	Light Fixtures	E	\$105.25	\$1,473.50	1.15	16.10	
4	Fire Alarm System	F/A Smoke/Co2 Detector	Fire Alarm	E	\$0.00	\$0.00	.60	2.40	
16	Fire Alarm System	F/A Wire Terminations	Fire Alarm	E	\$0.00	\$0.00	.15	2.40	
<b>Total</b>						<b>\$4,079.80</b>		<b>306.88</b>	



# Transmittal #46

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #31r.1

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**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 03/11/2021

**COPIES TO:**

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TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #31r.1	Other	03/11/ 2021	1

### Comments

Emailed 3/11/2021

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



March 9, 2021

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #31R.1**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is to revise the original RWP #31 to eliminate the power supply to three (3) new security doors as these three doors were de-scoped. This revised proposal now is for the remaining doors to receive power supply from the 4<sup>th</sup> room E-4117. In order to perform this electrical work, the removal and reinstallation of ceiling tiles affected by this work is also included in this request. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
ARO Electrical	See Attached	\$15,434.64

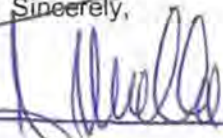
MCC Fee (.0796%):	\$1,228.60
<b>TOTAL:</b>	<b>\$16,663.24</b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

  
Juan Munilla  
MIA MCC-8-10  
General Manager

3/21/21

Cc: File

# ARO Electrical Contractor, Inc.

16540 SW 97th Street, Miami, FL 33196

**Name / Address**

MCM  
 Attn: Ruben DaGama  
 6201 SW 70 ST, 2nd Floor  
 Miami, FL 33143

2/10/2021

Date	Estimate #	Ship To		
2/6/2021	202011095-1	MCC-X-113-A-MIA-Admirals Club Power for Security Doors		
Description		Qty	Rate	Total
MCC-X-113-A-MIA-Admirals Club Power for Security Doors Electrical Scope:  1. Install conduits and wire between security door and room E4117. 2. Install DJ-boxes, conduits and wires to security door. 3. Remove and re-install existing ceiling tiles. 4. Daily clean up.		1	15,434.64	15,434.64
We look forward to working with you.			<b>Total</b>	<b>\$15,434.64</b>

WE HEREBY propose to furnish all labor and materials for a complete electrical installation in accordance with plans and specifications for the above referenced project. With payment(s) to be made as follows: 1.Payment = 30% due at contract signing; 2. Payment = 40% due after rough inspection by the building department ; 3.Payment = 30% due after final inspection by the building department

All material is guaranteed to be as specified unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the parties obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and non-taxable, from the non-prevailing party.

THIS PROPOSAL is valid for 30 Days and shall become void at the option of the undersigned.

Authorized By: Volker Stenkewitz

Title: President

License #: EC13004264

**Inclusions, exclusions, clarifications, and qualifications are as follows:**

All material prices are subject to change. This Proposal does not contain Permit Fees or any other Fees.

### Acceptance of Proposal

THE ABOVE proposed sum, conditions and qualifications are hereby accepted. You are authorized to do the electrical work as specified with payments remitted in accordance with this Proposal.

Authorized By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Phone # (786) 259-5739

Fax # (786) 462-9138

aroelectric@gmail.com

http://www.aroelectrical.com

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

Items								
Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
60	Steel City	Galv12Ga 1-1/2" Channel w/Holes	E	\$2.10	\$126.00	.10	6.00	
80	Steel City	1/4-20 1-1/2" Channel Spring Nut	E	\$1.47	\$117.60	.02	1.60	
50	B-Line	1/4" Rod Coupling	E	\$0.32	\$16.00	.04	2.00	
360	B-Line	1/4" Threaded Rod	E	\$0.25	\$90.00	.02	7.20	
8	Hole Punching	3/4" Hole Punching	E	\$0.00	\$0.00	.38	3.04	
3	Core Drilling	1/2"-1"x8" Depth Core Drilling	E	\$0.00	\$0.00	.75	2.25	
3	Fire Proofing	1" Fire Proofing	E	\$12.44	\$37.32	.38	1.14	
1	Misc Job Items	Remove and Re-install Ceiling Tiles	E	\$0.00	\$0.00	14.00	14.00	
1	Misc Job Items	Daily Clean Up	E	\$0.00	\$0.00	6.00	6.00	
120	Powers Fasteners	1/4" Rod Hanger Wedge Anchor	E	\$0.68	\$81.60	.15	18.00	
300	B-Line	1/4"x1-1/4" Fender Washer	E	\$0.08	\$24.00	.01	3.00	
300	B-Line	1/4" Hex Nut	E	\$0.04	\$12.00	.02	6.00	
8	O-Z/Gedney	3/4" GRC Ins Threadless Connector	E	\$5.15	\$41.20	.12	.96	
8	O-Z/Gedney	3/4" GRC Threadless Coupling	E	\$4.79	\$38.32	.12	.96	
				<b>Total</b>	<b>\$584.04</b>		<b>72.15</b>	

# Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

## Audit Trail

### Assemblies / Feeders

Quantity	Category	Sub-Category	Description	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
10	Miscellaneous	4" Square Box	With Cover & Wirenuts	\$4.90	\$49.00	1.12	11.20	
20	Feeder Assembly	3/4" GRC	3/4" GRC w. 3 #10	\$5.54	\$110.77	.29	5.89	
350	Feeder Assembly	3/4" EMT	3/4" EMT w. 3 #10	\$2.16	\$757.05	.12	42.41	
				<b>Total</b>	<b>\$916.82</b>		<b>59.50</b>	

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

**Bid Summary**

**Adjustments**

131.65 Hours @ \$47.78		\$6,290.24	_____
44.80 Foreman Hours @ \$51.97		\$2,328.26	_____
0.00 General Foreman Hours @ \$54.00		\$0.00	_____
Taxes & Insurance At	22.60%	\$1,982.25	_____
Time and a Half	0.00	\$0.00	_____
Double Time Hours	0.00	\$0.00	_____
Triple Time Hours	0.00	\$0.00	_____
Taxes & Insurance on OT Hours		\$0.00	_____
Total Labor Cost		\$10,600.75	_____
Material		\$1,500.86	_____
Sales Tax On Material @ 7.000%		\$105.06	_____
Job Expenses		\$1,156.66	_____
Sub-Contracts		\$0.00	_____
Contractor Cost		\$13,363.33	_____
Overhead	10% (composite)	\$1,336.33	_____
Cost with Overhead		\$14,699.66	_____
Profit	5% (composite)	\$734.98	_____
Cost with O.H. + Profit		\$15,434.64	_____
Bid Security %	6.9%		
Allowances		\$0.00	_____
Bond Premium	0.00%	\$0.00	_____
<b>Preliminary Bid Price</b>		<b>\$15,434.64</b>	_____

Demo Version

**Square Footage Analysis based on 0 Square Feet**

<b>0.00</b>	<b>Bid Price per Square Foot</b>
<b>0.00</b>	<b>Material Cost with Tax per Square Foot</b>
<b>0.00</b>	<b>Labor Hours per Square Foot</b>
<b>0.00</b>	<b>Quoted Material per Square Foot</b>
<b>0.00</b>	<b>Non-Quoted Material per Square Foot</b>

**Bid Prices Submitted To**

**Amount**

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

**Galvanized Rigid Conduit****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	20	C	\$191.71	\$38.34	5.00	1.00
3/4" GRC Elbow	8	E	\$4.64	\$37.12	.31	2.50
<b>Total for Galvanized Rigid Conduit</b>				<b>\$75.46</b>		<b>3.50 Hrs</b>

**GRC Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	16	E	\$0.09	\$1.44	.15	2.40
3/4" Grounding Locknut	8	E	\$0.81	\$6.48	.08	.60
3/4" GRC Ins Threadless Connector	8	E	\$5.15	\$41.20	.12	.96
3/4" GRC Threadless Coupling	8	E	\$4.79	\$38.32	.12	.96
3/4" Clamp Back	4	E	\$0.88	\$3.52	.05	.20
<b>Total for GRC Fittings</b>				<b>\$90.96</b>		<b>5.12 Hrs</b>

**EMT****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	350	C	\$71.84	\$251.44	3.75	13.13
3/4" EMT Elbow	40	E	\$2.15	\$86.00	.10	4.00
<b>Total for EMT</b>				<b>\$337.44</b>		<b>17.13 Hrs</b>

**EMT Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Steel Compression Conn	12	E	\$0.30	\$3.60	.09	1.05
3/4" EMT Steel Compression Coup	75	E	\$0.37	\$27.75	.06	4.69
3/4" EMT Clamp Back	70	E	\$0.62	\$43.40	.04	2.63
<b>Total for EMT Fittings</b>				<b>\$74.75</b>		<b>8.36 Hrs</b>

**EMT Condulets****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Conduit Body-Type T	4	E	\$7.32	\$29.28	.31	1.25
3/4" EMT Conduit Body Cover	4	E	\$1.14	\$4.56	.10	.40
<b>Total for EMT Condulets</b>				<b>\$33.84</b>		<b>1.65 Hrs</b>

**Outlet Boxes****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2" & 3/4" KO 4"x1-1/2" Sq Drawn Box	20	E	\$1.71	\$34.20	.50	10.00
Flat Blank 4" Sq Box Cover	20	E	\$0.26	\$5.20	.06	1.20
<b>Total for Outlet Boxes</b>				<b>\$39.40</b>		<b>11.20 Hrs</b>

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	300	E	\$0.08	\$24.00	.01	3.00
1/4" Hex Nut	300	E	\$0.04	\$12.00	.02	6.00
1/4" Threaded Rod	360	E	\$0.25	\$90.00	.02	7.20

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4" Rod Coupling	50	E	\$0.32	\$16.00	.04	2.00
Galv12Ga 1-1/2" Channel w/Holes	60	E	\$2.10	\$126.00	.10	6.00
1/4-20 1-1/2" Channel Spring Nut	80	E	\$1.47	\$117.60	.02	1.60
3/4" EMT Channel Clamp	70	E	\$0.92	\$64.40	.05	3.50
3/4" GRC Channel Clamp	4	E	\$1.02	\$4.08	.05	.20
<b>Total for U-Channel</b>				<b>\$454.08</b>		<b>29.50 Hrs</b>

**Miscellaneous****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
Daily Clean Up	1	E	\$0.00	\$0.00	6.00	6.00
Remove and Re-install Ceiling Tiles	1	E	\$0.00	\$0.00	14.00	14.00
1/2"-1"x8" Depth Core Drilling	3	E	\$0.00	\$0.00	.75	2.25
3/4" Hole Punching	8	E	\$0.00	\$0.00	.38	3.04
1" Fire Proofing	3	E	\$12.44	\$37.32	.38	1.14
#16-#10 Red Wire Nut	60	E	\$0.16	\$9.60	.00	.00
1/4" Rod Hanger Wedge Anchor	120	E	\$0.68	\$81.60	.15	18.00
<b>Total for Miscellaneous</b>				<b>\$128.52</b>		<b>44.43 Hrs</b>

**Copper Wire 600V****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
#10 THHN Stranded Copper	1245	M	\$182.09	\$226.70	6.25	7.78
Solid Pull Wire	795	M	\$49.95	\$39.71	3.75	2.98
<b>Total for Copper Wire 600V</b>				<b>\$266.41</b>		<b>10.76 Hrs</b>
<b>Total Material</b>				<b>\$1,500.86</b>		<b>131.65 Hrs</b>

**Estimate Recap**

**Phase/Area: (All Phase/Areas)**

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

---

		<b>Material</b>	<b>Labor</b>	
<b>Description</b>	<b>Level</b>	<b>Dollars</b>	<b>Hours</b>	
Galvanized Rigid Conduit	1	\$75.46	3.50	
GRC Fittings	1	\$90.96	5.12	
EMT	1	\$337.44	17.13	
EMT Fittings	1	\$74.75	8.36	
EMT Condulets	1	\$33.84	1.65	
Outlet Boxes	1	\$39.40	11.20	
U-Channel	1	\$454.08	29.50	
Miscellaneous	1	\$128.52	44.43	
Copper Wire 600V	3	\$266.41	10.76	
	<b>Totals</b>	<b>\$1,500.86</b>	<b>131.65</b>	<b>Hrs</b>

## Estimate Report Detail - Job Expenses

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

<b>Job Expense Type</b>	<b>Cost</b>
Mobilization 7%	\$1,156.66
<b>Total Job Expenses:</b>	<b>\$1,156.66</b>

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
 Power for Security Doors 2-6-2021  
**Bid Date:** 02/06/2021  
**Bid Item:**

**Location:** ,  
**Job Type:**  
**Job #:**

**Material and Labor Distribution**  
 (All Phase/Areas)

Material	%	Level	Description	Labor Hours	%
\$1,234.45	82.25%	1	Raceway Systems	120.89	91.82%
\$266.41	17.75%	3	Wire	10.76	8.18%
<b>\$1,500.86</b>	<b>100%</b>			<b>131.65</b>	<b>100%</b>

**Man-Loading and Supervision Analysis**

1. Number of Man Days	16.00
2. Number of Work Days	5.60
3. Average Man Load	3.00
4. Non-Working Foremen Hours	44.80
5. Non-Working General Foremen Hours	0.00
6. Total Man Hours With Supervision	176.45

*Demo Version*

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

---

**Material and Labor Distribution**  
(All Phase/Areas)

<b>Material</b>	<b>%</b>	<b>Level</b>	<b>Description</b>	<b>Labor Hours</b>	<b>%</b>
\$1,234.45	82.25%	1	Raceway Systems	120.89	91.82%
\$266.41	17.75%	3	Wire	10.76	8.18%
<b>\$1,500.86</b>	<b>100%</b>			<b>131.65</b>	<b>100%</b>

**Man-Loading and Supervision Analysis**

1. Number of Man Days	16.00
2. Number of Work Days	5.60
3. Average Man Load	3.00
4. Non-Working Foremen Hours	44.80
5. Non-Working General Foremen Hours	0.00
6. Total Man Hours With Supervision	176.45

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

**Galvanized Rigid Conduit****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	20	C	\$191.71	\$38.34	5.00	1.00
3/4" GRC Elbow	8	E	\$4.64	\$37.12	.31	2.50
<b>Total for Galvanized Rigid Conduit</b>				<b>\$75.46</b>		<b>3.50 Hrs</b>

**GRC Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	16	E	\$0.09	\$1.44	.15	2.40
3/4" Grounding Locknut	8	E	\$0.81	\$6.48	.08	.60
3/4" GRC Ins Threadless Connector	8	E	\$5.15	\$41.20	.12	.96
3/4" GRC Threadless Coupling	8	E	\$4.79	\$38.32	.12	.96
3/4" Clamp Back	4	E	\$0.88	\$3.52	.05	.20
<b>Total for GRC Fittings</b>				<b>\$90.96</b>		<b>5.12 Hrs</b>

**EMT****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	350	C	\$71.84	\$251.44	3.75	13.13
3/4" EMT Elbow	40	E	\$2.15	\$86.00	.10	4.00
<b>Total for EMT</b>				<b>\$337.44</b>		<b>17.13 Hrs</b>

**EMT Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Steel Compression Conn	12	E	\$0.30	\$3.60	.09	1.05
3/4" EMT Steel Compression Coup	75	E	\$0.37	\$27.75	.06	4.69
3/4" EMT Clamp Back	70	E	\$0.62	\$43.40	.04	2.63
<b>Total for EMT Fittings</b>				<b>\$74.75</b>		<b>8.36 Hrs</b>

**EMT Condulets****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Conduit Body-Type T	4	E	\$7.32	\$29.28	.31	1.25
3/4" EMT Conduit Body Cover	4	E	\$1.14	\$4.56	.10	.40
<b>Total for EMT Condulets</b>				<b>\$33.84</b>		<b>1.65 Hrs</b>

**Outlet Boxes****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2" & 3/4" KO 4"x1-1/2" Sq Drawn Box	20	E	\$1.71	\$34.20	.50	10.00
Flat Blank 4" Sq Box Cover	20	E	\$0.26	\$5.20	.06	1.20
<b>Total for Outlet Boxes</b>				<b>\$39.40</b>		<b>11.20 Hrs</b>

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	300	E	\$0.08	\$24.00	.01	3.00
1/4" Hex Nut	300	E	\$0.04	\$12.00	.02	6.00
1/4" Threaded Rod	360	E	\$0.25	\$90.00	.02	7.20

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location:

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

**U-Channel**

Description	Quantity	Per	Material Dollars		Labor Hours	
			Price	Total	Labor	Total
1/4" Rod Coupling	50	E	\$0.32	\$16.00	.04	2.00
Galv12Ga 1-1/2" Channel w/Holes	60	E	\$2.10	\$126.00	.10	6.00
1/4-20 1-1/2" Channel Spring Nut	80	E	\$1.47	\$117.60	.02	1.60
3/4" EMT Channel Clamp	70	E	\$0.92	\$64.40	.05	3.50
3/4" GRC Channel Clamp	4	E	\$1.02	\$4.08	.05	.20
<b>Total for U-Channel</b>				<b>\$454.08</b>		<b>29.50 Hrs</b>

**Miscellaneous**

Description	Quantity	Per	Material Dollars		Labor Hours	
			Price	Total	Labor	Total
Daily Clean Up	1	E	\$0.00	\$0.00	6.00	6.00
Remove and Re-install Ceiling Tiles	1	E	\$0.00	\$0.00	14.00	14.00
1/2"-1"x8" Depth Core Drilling	3	E	\$0.00	\$0.00	.75	2.25
3/4" Hole Punching	8	E	\$0.00	\$0.00	.38	3.04
1" Fire Proofing	3	E	\$12.44	\$37.32	.38	1.14
#16-#10 Red Wire Nut	60	E	\$0.16	\$9.60	.00	.00
1/4" Rod Hanger Wedge Anchor	120	E	\$0.68	\$81.60	.15	18.00
<b>Total for Miscellaneous</b>				<b>\$128.52</b>		<b>44.43 Hrs</b>

**Copper Wire 600V**

Description	Quantity	Per	Material Dollars		Labor Hours	
			Price	Total	Labor	Total
#10 THHN Stranded Copper	1245	M	\$182.09	\$226.70	6.25	7.78
Solid Pull Wire	795	M	\$49.95	\$39.71	3.75	2.98
<b>Total for Copper Wire 600V</b>				<b>\$266.41</b>		<b>10.76 Hrs</b>
<b>Total Material</b>				<b>\$1,500.86</b>		<b>131.65 Hrs</b>

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

Galvanized Rigid Conduit			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	20					
3/4" GRC Elbow	8					
Total for Galvanized Rigid Conduit						Hrs

GRC Fittings			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	16					
3/4" Grounding Locknut	8					
3/4" GRC Ins Threadless Connector	8					
3/4" GRC Threadless Coupling	8					
3/4" Clamp Back	4					
Total for GRC Fittings						Hrs

EMT			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	350					
3/4" EMT Elbow	40					
Total for EMT						Hrs

EMT Fittings			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Steel Compression Conn	12					
3/4" EMT Steel Compression Coup	75					
3/4" EMT Clamp Back	70					
Total for EMT Fittings						Hrs

EMT Condulets			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Conduit Body-Type T	4					
3/4" EMT Conduit Body Cover	4					
Total for EMT Condulets						Hrs

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

### Outlet Boxes

Material Dollars

Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/2" & 3/4" KO 4"x1-1/2" Sq Drawn Box	20					
Flat Blank 4" Sq Box Cover	20					
<b>Total for Outlet Boxes</b>						<b>Hrs</b>

### U-Channel

Material Dollars

Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	300					
1/4" Hex Nut	300					
1/4" Threaded Rod	360					
1/4" Rod Coupling	50					
3/4" EMT Channel Clamp	70					
3/4" GRC Channel Clamp	4					
Galv12Ga 1-1/2" Channel w/Holes	60					
1/4-20 1-1/2" Channel Spring Nut	80					
<b>Total for U-Channel</b>						<b>Hrs</b>

### Miscellaneous

Material Dollars

Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Daily Clean Up	1					
Remove and Re-install Ceiling Tiles	1					
1/2"-1"x8" Depth Core Drilling	3					
3/4" Hole Punching	8					
1" Fire Proofing	3					
#16-#10 Red Wire Nut	60					
1/4" Rod Hanger Wedge Anchor	120					
<b>Total for Miscellaneous</b>						<b>Hrs</b>

### Copper Wire 600V

Material Dollars

Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
#10 THHN Stranded Copper	1245					
Solid Pull Wire	795					

**Quantity Survey**

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

**Copper Wire 600V**

**Material Dollars**

**Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
						Hrs
<b>Total for Copper Wire 600V</b>				_____	_____	Hrs
	<b>Total Material</b>			_____	_____	Hrs

Demo Version

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

### Galvanized Rigid Conduit

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	20					
3/4" GRC Elbow	8					
<b>Total for Galvanized Rigid Conduit</b>						<b>Hrs</b>

### GRC Fittings

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	16					
3/4" Grounding Locknut	8					
3/4" GRC Ins Threadless Connector	8					
3/4" GRC Threadless Coupling	8					
3/4" Clamp Back	4					
<b>Total for GRC Fittings</b>						<b>Hrs</b>

### EMT

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	350					
3/4" EMT Elbow	40					
<b>Total for EMT</b>						<b>Hrs</b>

### EMT Fittings

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Steel Compression Conn	12					
3/4" EMT Steel Compression Coup	75					
3/4" EMT Clamp Back	70					
<b>Total for EMT Fittings</b>						<b>Hrs</b>

### EMT Condulets

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Conduit Body-Type T	4					
3/4" EMT Conduit Body Cover	4					
<b>Total for EMT Condulets</b>						<b>Hrs</b>

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

Location: ,

Bid Date: 02/06/2021

Job Type:

Bid Item:

Job #:

Outlet Boxes		Material Dollars			Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
1/2" & 3/4" KO 4"x1-1/2" Sq Drawn Box	20					
Flat Blank 4" Sq Box Cover	20					
<b>Total for Outlet Boxes</b>						<b>Hrs</b>

U-Channel		Material Dollars			Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	300					
1/4" Hex Nut	300					
1/4" Threaded Rod	360					
1/4" Rod Coupling	50					
3/4" EMT Channel Clamp	70					
3/4" GRC Channel Clamp	4					
Galv12Ga 1-1/2" Channel w/Holes	60					
1/4-20 1-1/2" Channel Spring Nut	80					
<b>Total for U-Channel</b>						<b>Hrs</b>

Miscellaneous		Material Dollars			Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
Daily Clean Up	1					
Remove and Re-install Ceiling Tiles	1					
1/2"-1"x8" Depth Core Drilling	3					
3/4" Hole Punching	8					
1" Fire Proofing	3					
#16-#10 Red Wire Nut	60					
1/4" Rod Hanger Wedge Anchor	120					
<b>Total for Miscellaneous</b>						<b>Hrs</b>

Copper Wire 600V		Material Dollars			Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
#10 THHN Stranded Copper	1245					
Solid Pull Wire	795					

**Quantity Survey**

**Phase/Area: (All Phase/Areas)**

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

---

**Copper Wire 600V**

**Material Dollars**

**Labor Hours**

---

Description	Quantity	Per	Price	Total	Labor	Total	
	<b>Total for Copper Wire 600V</b>			_____		_____	Hrs
	<b>Total Material</b>			_____		_____	Hrs

## Estimate Recap

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

		Material	Labor
Description	Level	Dollars	Hours
Galvanized Rigid Conduit	1	\$75.46	3.50
GRC Fittings	1	\$90.96	5.12
EMT	1	\$337.44	17.13
EMT Fittings	1	\$74.75	8.36
EMT Condulets	1	\$33.84	1.65
Outlet Boxes	1	\$39.40	11.20
U-Channel	1	\$454.08	29.50
Miscellaneous	1	\$128.52	44.43
Copper Wire 600V	3	\$266.41	10.76
	<b>Totals</b>	<b>\$1,500.86</b>	<b>131.65 Hrs</b>

Demo Version

## Schedule of Values

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

<u>Description</u>	<u>Value</u>
Raceway Systems	\$12,053.08
Wire	\$3,381.59
<hr/>	
Total Schedule Of Values	\$15,434.66

Demo Version

## Scope of Work Summary

### Bidding Information

Job Name: MCC-X-113-A-MIA-Admirals Club Power  
for Security Doors 2-6-2021

Address: -

Bid Date: 2/6/2021

### Financial Information

Bid Bond:

Construction Time:

Liquidated Damages:

Retainage:

Wage Rate:

Other:

### Design Information

Architect:

Engineer:

Owner:

Full Drawings:

Full Specifications:

### Construction Information

Building Type:

Floors:

Walls:

Ceilings:

Elevations:

Square Footage:

---

### Quotes Required

### Specifications

### Cost Responsibility

FBE IBE FBO IBO

FBE IBE FBO IBO

### Comments:

## Estimate Report Detail - Summary (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Power for Security Doors 2-6-2021

**Location:** ,

**Bid Date:** 02/06/2021

**Job Type:**

**Bid Item:**

**Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
1	Misc Job Items	Daily Clean Up	Miscellaneous	E	\$0.00	\$0.00	6.00	6.00	
1	Misc Job Items	Remove and Re-install Ceiling Tiles	Miscellaneous	E	\$0.00	\$0.00	14.00	14.00	
20	Conduit	3/4" Galvanized Rigid Conduit	Galvanized Rigid Conduit	C	\$191.71	\$38.34	5.00	1.00	
8	Conduit Fittings	3/4" GRC Elbow	Galvanized Rigid Conduit	E	\$4.64	\$37.12	.31	2.50	
16	T & B	3/4" Plastic Bushing	GRC Fittings	E	\$0.09	\$1.44	.15	2.40	
8	Appleton	3/4" Grounding Locknut	GRC Fittings	E	\$0.81	\$6.48	.08	.60	
8	O-Z/Gedney	3/4" GRC Ins Threadless Connector	GRC Fittings	E	\$5.15	\$41.20	.12	.96	
8	O-Z/Gedney	3/4" GRC Threadless Coupling	GRC Fittings	E	\$4.79	\$38.32	.12	.96	
4	Appleton	3/4" Clamp Back	GRC Fittings	E	\$0.88	\$3.52	.05	.20	
350	Conduit	3/4" EMT	EMT	C	\$71.84	\$251.44	3.75	13.13	
40	Conduit Fittings	3/4" EMT Elbow	EMT	E	\$2.15	\$86.00	.10	4.00	
12	Raco	3/4" EMT Steel Compression Conn	EMT Fittings	E	\$0.30	\$3.60	.09	1.05	
75	Raco	3/4" EMT Steel Compression Coup	EMT Fittings	E	\$0.37	\$27.75	.06	4.69	
70	Raco	3/4" EMT Clamp Back	EMT Fittings	E	\$0.62	\$43.40	.04	2.63	
4	Bridgeport	3/4" EMT Conduit Body-Type T	EMT Condulets	E	\$7.32	\$29.28	.31	1.25	
4	Bridgeport	3/4" EMT Conduit Body Cover	EMT Condulets	E	\$1.14	\$4.56	.10	.40	
20	Raco	1/2"&3/4" KO 4"x1-1/2" Sq Drawn Box	Outlet Boxes	E	\$1.71	\$34.20	.50	10.00	
20	Raco	Flat Blank 4" Sq Box Cover	Outlet Boxes	E	\$0.26	\$5.20	.06	1.20	
300	B-Line	1/4"x1-1/4" Fender Washer	U-Channel	E	\$0.08	\$24.00	.01	3.00	
300	B-Line	1/4" Hex Nut	U-Channel	E	\$0.04	\$12.00	.02	6.00	
360	B-Line	1/4" Threaded Rod	U-Channel	E	\$0.25	\$90.00	.02	7.20	
50	B-Line	1/4" Rod Coupling	U-Channel	E	\$0.32	\$16.00	.04	2.00	
70	B-Line	3/4" EMT Channel Clamp	U-Channel	E	\$0.92	\$64.40	.05	3.50	
4	B-Line	3/4" GRC Channel Clamp	U-Channel	E	\$1.02	\$4.08	.05	.20	
60	Steel City	Galv12Ga 1-1/2" Channel w/Holes	U-Channel	E	\$2.10	\$126.00	.10	6.00	
80	Steel City	1/4-20 1-1/2" Channel Spring Nut	U-Channel	E	\$1.47	\$117.60	.02	1.60	
3	Core Drilling	1/2"-1"x8" Depth Core Drilling	Miscellaneous	E	\$0.00	\$0.00	.75	2.25	
8	Hole Punching	3/4" Hole Punching	Miscellaneous	E	\$0.00	\$0.00	.38	3.04	
3	Fire Proofing	1" Fire Proofing	Miscellaneous	E	\$12.44	\$37.32	.38	1.14	
60	3M	#16-#10 Red Wire Nut	Miscellaneous	E	\$0.16	\$9.60	.00	.00	
120	Powers Fasteners	1/4" Rod Hanger Wedge Anchor	Miscellaneous	E	\$0.68	\$81.60	.15	18.00	
1,245	Copper Wire	#10 THHN Stranded Copper	Copper Wire 600V	M	\$182.09	\$226.70	6.25	7.78	

**Estimate Report Detail - Summary**  
**(All Phase/Areas)**

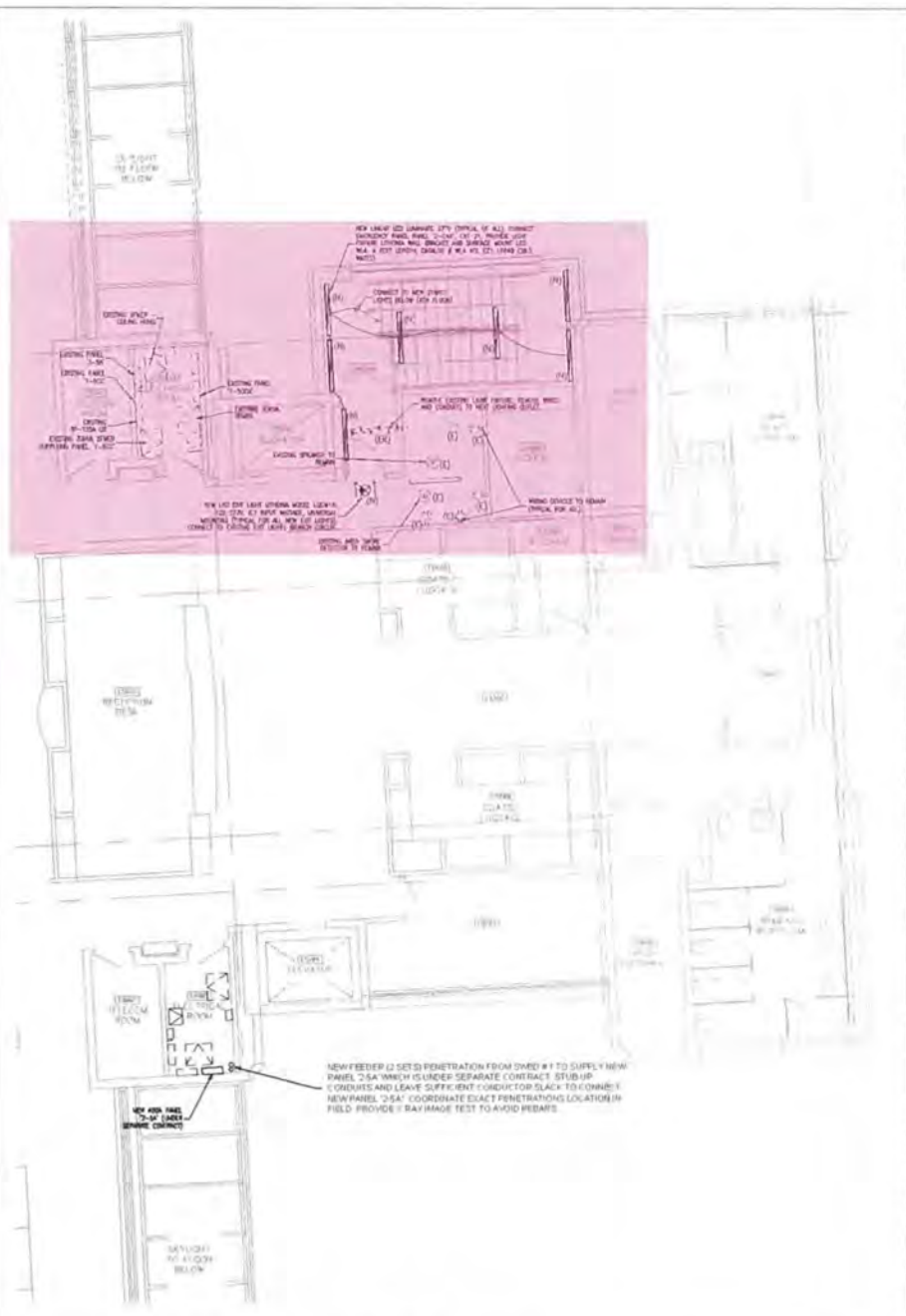
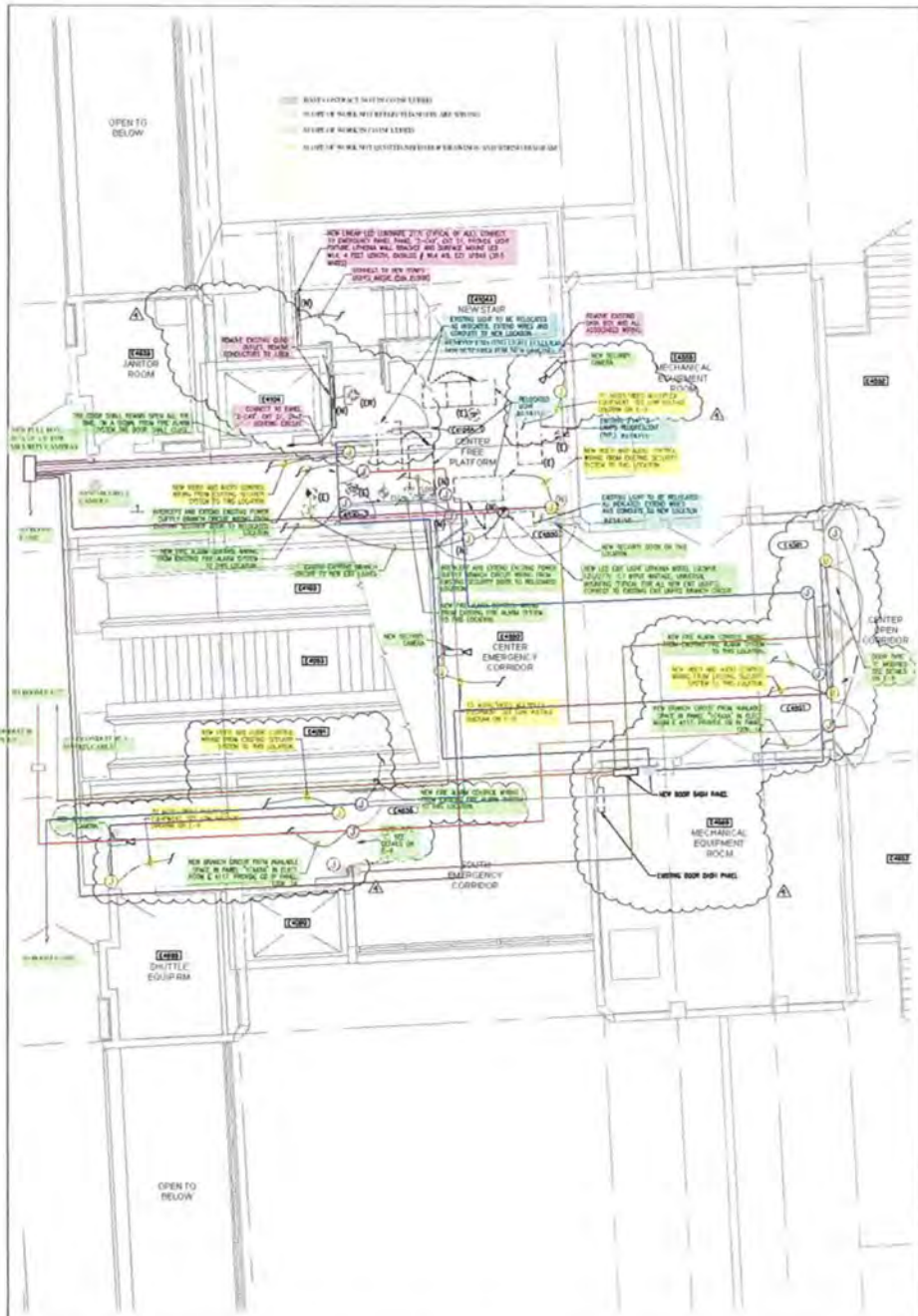
**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
 Power for Security Doors 2-6-2021

**Bid Date:** 02/06/2021      **Job Type:**

**Bid Item:**      **Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
795	Copper Wire	Solid Pull Wire	Copper Wire 600V	M	\$49.95	\$39.71	3.75	2.98	
					<b>Total</b>	<b>\$1,500.86</b>		<b>131.65</b>	





**ENLARGED STAIR ELECTRICAL PLAN - 4TH FLOOR**  
 SCALE: 1/8" = 1'-0"

**ENLARGED STAIR & ELECTRICAL ROOM PLANS - 5TH FLOOR**  
 SCALE: 1/8" = 1'-0"

**SILVA ARCHITECTS**  
 1000 BAYVIEW BLVD, SUITE 1000  
 MIAMI, FL 33134  
 TEL: 305.371.1111  
 FAX: 305.371.1112  
 WWW.SILVAARCHITECTS.COM

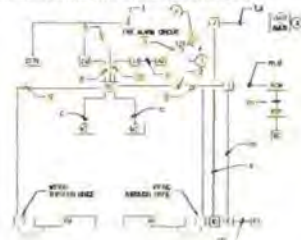
**MAI**  
 MAI INTERNATIONAL AIRPORT  
 AMERICAN AIRLINES AIRPORTS CLUB LOUNGE  
 MIA01 INFRASTRUCTURE AND STAIR PROJECT  
 PROJECT NO. A111A

NO.	DATE	DESCRIPTION
1	05-10-10	ISSUED FOR PERMIT
2	05-10-10	ISSUED FOR PERMIT
3	05-10-10	ISSUED FOR PERMIT
4	05-10-10	ISSUED FOR PERMIT
5	05-10-10	ISSUED FOR PERMIT
6	05-10-10	ISSUED FOR PERMIT
7	05-10-10	ISSUED FOR PERMIT
8	05-10-10	ISSUED FOR PERMIT
9	05-10-10	ISSUED FOR PERMIT
10	05-10-10	ISSUED FOR PERMIT

DATE ISSUED: 6-5-10  
 SHEET: F-4

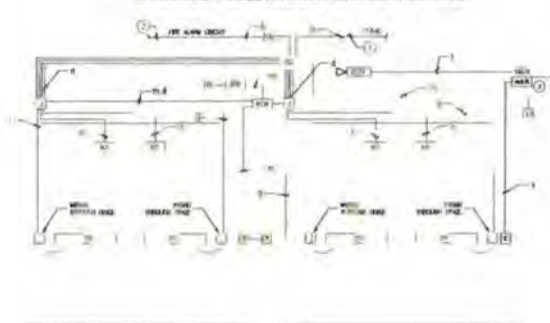
(SEE SHEET 40 4111)

DOOR TYPE - C (DOUBLE DOOR METAL-REINFORCED MANSION OF CONCRETE)



DOOR TYPE - C

DOOR TYPE - C (MODIFIED) (2) DOUBLE DOOR METAL-REINFORCED MANSION OF CONCRETE



DOOR TYPE - C (MODIFIED)

LOW VOLTAGE SYSTEMS  
SECURITY DOOR DIAGRAMS

- DOOR TYPE CABLE LEGEND**  
SEE SHEET 40 4111
- 1 - WEST MAIN 201 (2) (2) (A) AND
  - 2 - WEST MAIN 201 (2) (2) (A) AND
  - 3 - WEST MAIN 201 (2) (2) (A) AND
  - 4 - WEST MAIN 201 (2) (2) (A) AND
  - 5 - WEST MAIN 201 (2) (2) (A) AND
  - 6 - WEST MAIN 201 (2) (2) (A) AND
  - 7 - WEST MAIN 201 (2) (2) (A) AND
  - 8 - WEST MAIN 201 (2) (2) (A) AND
  - 9 - WEST MAIN 201 (2) (2) (A) AND
  - 10 - WEST MAIN 201 (2) (2) (A) AND
  - 11 - WEST MAIN 201 (2) (2) (A) AND
  - 12 - WEST MAIN 201 (2) (2) (A) AND
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  - 16 - WEST MAIN 201 (2) (2) (A) AND
  - 17 - WEST MAIN 201 (2) (2) (A) AND
  - 18 - WEST MAIN 201 (2) (2) (A) AND
  - 19 - WEST MAIN 201 (2) (2) (A) AND
  - 20 - WEST MAIN 201 (2) (2) (A) AND

- NOTES:**
1. CONNECT TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR) AND TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR).
  2. CONNECT TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR) AND TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR).
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  19. CONNECT TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR) AND TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR).
  20. CONNECT TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR) AND TO THE FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CONTROL ROOM (FACR).

- SEQUENCE OF OPERATION - DOOR TYPE C**
1. NORMAL OPERATION
    - (1) NORMAL OPERATION
    - (2) NORMAL OPERATION
    - (3) NORMAL OPERATION
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  2. FIRE ALARM OPERATION
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  4. OTHER OPERATIONS
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    - (20) OTHER OPERATIONS

**SILVA ARCHITECTS**  
ARCHITECTS

AMERICAN AIRLINES ADMIRALS CLUB LOUNGE  
MOAD INFRASTRUCTURE AND NEW STAIR PROJECT  
PROJECT NO. A113A

NO.	REVISION	DATE
1	AS NOTED	10/1/78

DATE (SHEET)  
10/1/78

SHEET  
E-9



# Transmittal #47

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #32r.1

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**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 03/11/2021

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #32r.1	Other	03/11/ 2021	1

### Comments

Emailed 3/11/2021

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



March 9, 2021

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #32R.1**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is to revise the original RWP #32 to eliminate the Matrix installation to three (3) security doors that are no longer going to be part of this project. This new proposal only includes the cost for installation of Matrix Card Readers to the remaining door. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
ARO Electrical	See Attached	\$38,127.58

MCC Fee (.0796%):	\$3,034.96
<b>TOTAL:</b>	<b>\$41,162.54</b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

Juan Munilla  
MIA MCC-8-10  
General Manager

3/11/21

Cc: File

# ARO Electrical Contractor, Inc.

16540 SW 97th Street, Miami, FL 33196

**Name / Address**

*Estimate*

MCM  
 Attn: Ruben DaGama  
 6201 SW 70 ST, 2nd Floor  
 Miami, FL 33143

Date	Estimate #	Ship To	
2/7/2020	202011092-1	MCC-X-113-A-MIA-Admirals Club Matrix Security Doors	
Description	Qty	Rate	Total
MCC-X-113-A-MIA-Admirals Club Matrix Security Doors Electrical Scope:  1. Install homerun conduits between E4117 and Matrix control panel E4655. 2. Install new Matrix control panel. (Provided and Connection by others.) 3. Install device boxes and conduits for Matrix Card Reader (R & RR), Reader Distribution Panel (RDP), Building Controller (BC), Electric Lock (M2), Alarm Indicator Device (A1 & A2), Panic Bar (PH), and Reader Control Module (RCM). (Devices provided and connected by others.) 4. Install Hoffman Box for Omron Door Controller. (Provided and connected by others.)	1	38,127.58	38,127.58
We look forward to working with you.		<b>Total</b>	<b>\$38,127.58</b>

WE HEREBY propose to furnish all labor and materials for a complete electrical installation in accordance with plans and specifications for the above referenced project. With payment(s) to be made as follows: 1. Payment = 30% due at contract signing; 2. Payment = 40% due after rough inspection by the building department ; 3. Payment = 30% due after final inspection by the building department

All material is guaranteed to be as specified unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the parties obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and non-taxable, from the non-prevailing party.

THIS PROPOSAL is valid for 30 Days and shall become void at the option of the undersigned.

Authorized By: Volker Stenkewitz Title: President License #: EC13004264

**Inclusions, exclusions, clarifications, and qualifications are as follows:**

All material prices are subject to change. This Proposal does not contain Permit Fees or any other Fees.

### Acceptance of Proposal

THE ABOVE proposed sum, conditions and qualifications are hereby accepted. You are authorized to do the electrical work as specified with payments remitted in accordance with this Proposal.

Authorized By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Phone # (786) 259-5739      Fax # (786) 462-9138      aroelectric@gmail.com      http://www.aroelctrical.com

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Items

Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
1	Crouse-Hinds	3/4" 2 Gang FS Box	E	\$22.59	\$22.59	.52	.52	
3	B-Line	24x24x10 Hinge Cover Box no/KO-N3R	E	\$0.00	\$0.00	1.80	5.40	
3	Core Drilling	1/2"-1"x8" Depth Core Drilling	E	\$0.00	\$0.00	.75	2.25	
3	Fire Proofing	1" Fire Proofing	E	\$12.44	\$37.32	.38	1.14	
1	Misc Job Items	Install RCM to RDP	E	\$0.00	\$0.00	.87	.87	
1	Misc Job Items	Install RDP	E	\$0.00	\$0.00	1.50	1.50	
22	O-Z/Gedney	3/4" GRC Ins Threadless Connector	E	\$5.15	\$113.30	.12	2.64	
22	O-Z/Gedney	3/4" GRC Threadless Coupling	E	\$4.79	\$105.38	.12	2.64	
16	Conduit Fittings	3/4" GRC Elbow	E	\$4.64	\$74.24	.31	4.96	
24	Conduit Fittings	3/4" EMT Elbow	E	\$2.15	\$51.60	.10	2.40	
120	Steel City	Galv12Ga 1-1/2" Channel w/Holes	E	\$3.10	\$372.00	.10	12.00	
40	Steel City	3/4" EMT Channel Clamp	E	\$0.92	\$36.80	.05	2.00	
80	Steel City	1/4-20 1-1/2" Channel Spring Nut	E	\$1.47	\$117.60	.02	1.60	
100	B-Line	1/4" Rod Coupling	E	\$0.32	\$32.00	.04	4.00	
660	B-Line	1/4" Threaded Rod	E	\$0.25	\$165.00	.02	13.20	
300	B-Line	1/4"x1-1/4" Fender Washer	E	\$0.08	\$24.00	.01	3.00	
200	B-Line	1/4" Hex Nut	E	\$0.04	\$8.00	.02	4.00	
200	Powers Fasteners	1/4" Rod Hanger Wedge Anchor	E	\$0.68	\$136.00	.15	30.00	
22	Appleton	3/4" 2 Hole Steel Strap	E	\$0.08	\$1.76	.04	.88	
100	Powers Fasteners	10-16 x 1" Hex Head Self-Drill	E	\$0.10	\$10.00	.03	3.00	
14	Raco	6" #12 Pigtail	E	\$0.35	\$4.90	.03	.42	
14	Raco	Winged Switch Box Support	E	\$4.41	\$61.74	.22	3.08	

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Items

Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
2	O-Z/Gedney	2" GRC Ins Threadless Connector	E	\$22.88	\$45.76	.38	.76	
6	O-Z/Gedney	2" GRC Threadless Coupling	E	\$38.09	\$228.54	.38	2.28	
2	Hole Punching	2" Hole Punching	E	\$0.00	\$0.00	.60	1.20	
58	Hole Punching	3/4" Hole Punching	E	\$0.00	\$0.00	.38	22.04	
8	Hole Punching	1-1/2" Hole Punching	E	\$0.00	\$0.00	.50	4.00	
3	Core Drilling	1-1/4"-2"x8" Depth Core Drilling	E	\$0.00	\$0.00	1.25	3.75	
3	Fire Proofing	2" Fire Proofing	E	\$16.16	\$48.48	.50	1.50	
3	B-Line	8x8x6 Screw Cover PB no/KO-N3R	E	\$35.74	\$107.22	.44	1.32	
1	Misc Job Items	Remove and Re-install Ceiling Tiles	E	\$0.00	\$0.00	24.00	24.00	
1	Misc Job Items	Dayly Clean-Up	E	\$0.00	\$0.00	10.00	10.00	
				<b>Total</b>	<b>\$1,804.23</b>		<b>172.35</b>	

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Assemblies / Feeders

Quantity	Category	Sub-Category	Description	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
14	Miscellaneous	4" Square Box	4" Sq Box w/2 Gang Device Ring	\$4.24	\$59.36	.68	9.52	
140	Feeder Assembly	3/4" EMT	3/4" EMT w. Matrix MS276, West Penn 282	\$5.19	\$726.17	.15	20.76	
10	Feeder Assembly	3/4" GRC	3/4" GRC w. Matrix MS276	\$13.69	\$136.88	.51	5.05	
20	Feeder Assembly	3/4" GRC	3/4" GRC w. West Penn 281	\$6.00	\$120.07	.23	4.65	
10	Feeder Assembly	3/4" GRC	3/4" GRC w. 2 x West Penn 281	\$12.93	\$129.27	.42	4.20	
2	FLEX & Wire	Liquid Tight Motor Connections	1/2" Flex w. West Penn 244	\$9.03	\$18.06	1.06	2.12	
20	Feeder Assembly	3/4" GRC	3/4" GRC w. West Penn 244	\$4.79	\$95.90	.30	6.06	
10	Feeder Assembly	2" GRC	2" GRC w. Pull Wire	\$15.88	\$158.75	.48	4.82	
280	Feeder Assembly	1-1/2" EMT	1-1/2" EMT w. 3 x Matrix MS276	\$6.36	\$1,781.80	.22	62.30	
20	Feeder Assembly	1-1/2" GRC	1-1/2" GRC w. 3 x Matrix MS276	\$14.89	\$297.78	.42	8.45	
<b>Total</b>					<b>\$3,524.04</b>		<b>127.92</b>	

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

**Bid Summary**

**Adjustments**

300.44 Hours @ \$47.78		\$14,355.20	_____
104.00 Foreman Hours @ \$51.97		\$5,404.88	_____
0.00 General Foreman Hours @ \$54.00		\$0.00	_____
Taxes & Insurance At	22.60%	\$4,544.82	_____
Time and a Half	0.00	\$0.00	_____
Double Time Hours	0.00	\$0.00	_____
Triple Time Hours	0.00	\$0.00	_____
Taxes & Insurance on OT Hours		\$0.00	_____
Total Labor Cost		\$24,304.90	_____
Material		\$5,333.15	_____
Sales Tax On Material @ 7.000%		\$373.32	_____
Job Expenses		\$2,999.52	_____
Sub-Contracts		\$0.00	_____
Contractor Cost		\$33,010.89	_____
Overhead	10% (composite)	\$3,301.09	_____
Cost with Overhead		\$36,311.98	_____
Profit	5% (composite)	\$1,815.60	_____
Cost with O.H. + Profit		\$38,127.58	_____
Bid Security %	7.5%		
Allowances		\$0.00	_____
Bond Premium	0.00%	\$0.00	_____
<b>Preliminary Bid Price</b>		<b>\$38,127.58</b>	_____

**Square Footage Analysis based on 0 Square Feet**

<b>0.00</b>	<b>Bid Price per Square Foot</b>
<b>0.00</b>	<b>Material Cost with Tax per Square Foot</b>
<b>0.00</b>	<b>Labor Hours per Square Foot</b>
<b>0.00</b>	<b>Quoted Material per Square Foot</b>
<b>0.00</b>	<b>Non-Quoted Material per Square Foot</b>

**Bid Prices Submitted To**

**Amount**

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location:

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

**Galvanized Rigid Conduit****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	60	C	\$191.71	\$115.03	5.00	3.00
1-1/2" Galvanized Rigid Conduit	20	C	\$505.67	\$101.13	10.50	2.10
2" Galvanized Rigid Conduit	10	C	\$620.89	\$62.09	10.00	1.00
3/4" GRC Elbow	16	E	\$4.64	\$74.24	.31	4.96
3/4" GRC Elbow	6	E	\$4.64	\$27.84	.31	1.88
1-1/2" GRC Elbow	2	E	\$11.07	\$22.14	.60	1.20
2" GRC Elbow	4	E	\$16.29	\$65.16	.56	2.25
<b>Total for Galvanized Rigid Conduit</b>				<b>\$467.63</b>	<b>16.39</b>	<b>Hrs</b>

**GRC Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4"x10" GRC Nipple	3	E	\$3.72	\$11.16	.12	.38
3/4" Plastic Bushing	48	E	\$0.09	\$4.32	.15	7.20
1-1/2" Plastic Bushing	10	E	\$0.25	\$2.50	.30	3.00
2" Plastic Bushing	2	E	\$0.45	\$0.90	.31	.63
3/4" Locknut	32	E	\$0.06	\$1.92	.05	1.60
3/4" Grounding Locknut	38	E	\$0.81	\$30.78	.08	2.85
1-1/2" Grounding Locknut	4	E	\$2.09	\$8.36	.10	.42
2" Grounding Locknut	4	E	\$2.43	\$9.72	.09	.35
3/4" GRC Ins Threadless Connector	22	E	\$5.15	\$113.30	.12	2.64
2" GRC Ins Threadless Connector	2	E	\$22.88	\$45.76	.38	.76
3/4" GRC Threadless Coupling	22	E	\$4.79	\$105.38	.12	2.64
2" GRC Threadless Coupling	6	E	\$38.09	\$228.54	.38	2.28
3/4" 2 Hole Steel Strap	22	E	\$0.08	\$1.76	.04	.88
3/4" Clamp Back	15	E	\$0.88	\$13.20	.05	.75
1-1/2" Clamp Back	5	E	\$2.56	\$12.80	.09	.45
2" Clamp Back	4	E	\$4.15	\$16.60	.08	.30
<b>Total for GRC Fittings</b>				<b>\$607.00</b>	<b>27.12</b>	<b>Hrs</b>

**GRC Condulets****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1-1/2" Condulet-Type LB	2	E	\$23.00	\$46.00	.68	1.35
1-1/2" Steel Condulet Cover	2	E	\$3.88	\$7.76	.15	.30
3/4" 2 Gang FS Box	1	E	\$22.59	\$22.59	.52	.52
<b>Total for GRC Condulets</b>				<b>\$76.35</b>	<b>2.17</b>	<b>Hrs</b>

**EMT****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	140	C	\$71.84	\$100.58	3.75	5.25
1-1/2" EMT	280	C	\$245.43	\$687.20	9.00	25.20
3/4" EMT Elbow	40	E	\$2.15	\$86.00	.10	4.00
1-1/2" EMT Elbow	32	E	\$6.24	\$199.68	.18	5.76
<b>Total for EMT</b>				<b>\$1,073.46</b>	<b>40.21</b>	<b>Hrs</b>

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location:

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

**EMT Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Insul Steel Comprsn Conn	10	E	\$0.40	\$4.00	.09	.88
1-1/2" EMT Insul Steel Comprsn Conn	8	E	\$1.83	\$14.64	.16	1.32
3/4" EMT Steel Compression Coup	30	E	\$0.37	\$11.10	.06	1.88
1-1/2" EMT Steel Compression Coup	60	E	\$1.58	\$94.80	.14	8.10
3/4" EMT Clamp Back	28	E	\$0.62	\$17.36	.04	1.05
1-1/2" EMT Clamp Back	56	E	\$1.78	\$99.68	.06	3.36
<b>Total for EMT Fittings</b>				<b>\$241.58</b>		<b>16.58 Hrs</b>

**EMT Condulets****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Conduit Body-Type LB	3	E	\$5.10	\$15.30	.25	.75
1-1/2" EMT Conduit Body-Type LB	2	E	\$13.01	\$26.02	.52	1.05
3/4" EMT Conduit Body Cover	3	E	\$1.14	\$3.42	.10	.30
1-1/2" EMT Conduit Body Cover	2	E	\$2.32	\$4.64	.15	.30
<b>Total for EMT Condulets</b>				<b>\$49.38</b>		<b>2.40 Hrs</b>

**Flexible Conduit****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2" Flex Liquid Tight Conduit	6	E	\$0.85	\$5.10	.03	.18
<b>Total for Flexible Conduit</b>				<b>\$5.10</b>		<b>.18 Hrs</b>

**Flex Conduit Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2" Straight Liquidtight Conn	2	E	\$1.36	\$2.72	.09	.18
1/2" 90Dg Liquidtight Conn	2	E	\$2.26	\$4.52	.09	.18
<b>Total for Flex Conduit Fittings</b>				<b>\$7.24</b>		<b>.36 Hrs</b>

**Outlet Boxes****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/2"&3/4" KO 4"x1-1/2" Sq Drawn Box	14	E	\$1.71	\$23.94	.38	5.32
5/8" Rise 4" Sq 2G Device Ring	14	E	\$1.65	\$23.10	.12	1.68
Winged Switch Box Support	14	E	\$4.41	\$61.74	.22	3.08
6" #12 Pigtail	14	E	\$0.35	\$4.90	.03	.42
<b>Total for Outlet Boxes</b>				<b>\$113.68</b>		<b>10.50 Hrs</b>

**Enclosures and Cabinets****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
8x8x6 Screw Cover PB no/KO-N3R	3	E	\$35.74	\$107.22	.44	1.32
24x24x10 Hinge Cover Box no/KO-N3R	3	E	\$0.00	\$0.00	1.80	5.40
<b>Total for Enclosures and Cabinets</b>				<b>\$107.22</b>		<b>6.72 Hrs</b>

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	300	E	\$0.08	\$24.00	.01	3.00

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location: ,

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

**U-Channel****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
1/4" Hex Nut	200	E	\$0.04	\$8.00	.02	4.00
1/4" Threaded Rod	660	E	\$0.25	\$165.00	.02	13.20
1/4" Rod Coupling	100	E	\$0.32	\$32.00	.04	4.00
Galv12Ga 1-1/2" Channel w/Holes	120	E	\$3.10	\$372.00	.10	12.00
1/4-20 1-1/2" Channel Spring Nut	80	E	\$1.47	\$117.60	.02	1.60
3/4" EMT Channel Clamp	40	E	\$0.92	\$36.80	.05	2.00
3/4" EMT Channel Clamp	28	E	\$0.92	\$25.76	.05	1.40
1-1/2" EMT Channel Clamp	56	E	\$1.49	\$83.44	.09	5.04
3/4" GRC Channel Clamp	15	E	\$1.02	\$15.30	.05	.75
1-1/2" GRC Channel Clamp	5	E	\$1.44	\$7.20	.09	.45
2" GRC Channel Clamp	4	E	\$1.74	\$6.96	.08	.30
<b>Total for U-Channel</b>				<b>\$894.06</b>	<b>47.74</b>	<b>Hrs</b>

**Miscellaneous****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
Dayly Clean-Up	1	E	\$0.00	\$0.00	10.00	10.00
Install RCM to RDP	1	E	\$0.00	\$0.00	.87	.87
Install RDP	1	E	\$0.00	\$0.00	1.50	1.50
Remove and Re-install Ceiling Tiles	1	E	\$0.00	\$0.00	24.00	24.00
Average Fastener	28	E	\$0.18	\$5.04	.01	.28
1/2"-1"x8" Depth Core Drilling	3	E	\$0.00	\$0.00	.75	2.25
1-1/4"-2"x8" Depth Core Drilling	3	E	\$0.00	\$0.00	1.25	3.75
3/4" Hole Punching	58	E	\$0.00	\$0.00	.38	22.04
1-1/2" Hole Punching	8	E	\$0.00	\$0.00	.50	4.00
2" Hole Punching	2	E	\$0.00	\$0.00	.60	1.20
1" Fire Proofing	3	E	\$12.44	\$37.32	.38	1.14
2" Fire Proofing	3	E	\$16.16	\$48.48	.50	1.50
#16-#10 Red Wire Nut	50	E	\$0.16	\$8.00	.00	.00
7/8" Metal Anchor	28	E	\$0.02	\$0.56	.08	2.24
10-16 x 1" Hex Head Self-Drill	100	E	\$0.10	\$10.00	.03	3.00
1/4" Rod Hanger Wedge Anchor	200	E	\$0.68	\$136.00	.15	30.00
<b>Total for Miscellaneous</b>				<b>\$245.40</b>	<b>107.77</b>	<b>Hrs</b>

**Copper Wire 600V****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
#12 THHN Solid Copper	40	M	\$111.12	\$4.44	6.00	.24
Solid Pull Wire	545	M	\$49.95	\$27.22	3.75	2.04
Solid Pull Wire	1080	M	\$49.95	\$53.95	4.50	4.86
<b>Total for Copper Wire 600V</b>				<b>\$85.61</b>	<b>7.14</b>	<b>Hrs</b>

**Control Cable****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
4/C #16 Control Cable	470	M	\$843.94	\$396.65	7.50	3.53
4/C #16 Control Cable	720	M	\$843.94	\$607.64	9.00	6.48
7/C #16 Control Cable	130	M	\$1,120.92	\$145.72	11.25	1.46
9/C #16 Control Cable	170	M	\$1,231.93	\$209.43	13.75	2.34

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location: ,

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

<b>Control Cable</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
Description	Quantity	Per	Price	Total	Labor	Total
<b>Total for Control Cable</b>				<b>\$1,359.44</b>		<b>13.81 Hrs</b>

<b>Wire and Equipment Connections</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
Description	Quantity	Per	Price	Total	Labor	Total
(4) #14-#6 Equipment Conn	2	E	\$0.00	\$0.00	.68	1.36
<b>Total for Wire and Equipment Conn</b>				<b>\$0.00</b>		<b>1.36 Hrs</b>
<b>Total Material</b>				<b>\$5,333.15</b>		<b>300.44 Hrs</b>

## Estimate Recap

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

		<b>Material</b>	<b>Labor</b>	
<b>Description</b>	<b>Level</b>	<b>Dollars</b>	<b>Hours</b>	
Galvanized Rigid Conduit	1	\$467.63	16.39	
GRC Fittings	1	\$607.00	27.12	
GRC Condulets	1	\$76.35	2.17	
EMT	1	\$1,073.46	40.21	
EMT Fittings	1	\$241.58	16.58	
EMT Condulets	1	\$49.38	2.40	
Flexible Conduit	1	\$5.10	.18	
Flex Conduit Fittings	1	\$7.24	.36	
Outlet Boxes	1	\$113.68	10.50	
Enclosures and Cabinets	1	\$107.22	6.72	
U-Channel	1	\$894.06	47.74	
Miscellaneous	1	\$245.40	107.77	
Copper Wire 600V	3	\$85.61	7.14	
Control Cable	3	\$1,359.44	13.81	
Wire and Equipment Connections	3	\$ .00	1.36	
	<b>Totals</b>	<b>\$5,333.15</b>	<b>300.44</b>	<b>Hrs</b>

## Estimate Report Detail - Job Expenses

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

<b>Job Expense Type</b>	<b>Cost</b>
Mobilization	\$2,999.52
<b>Total Job Expenses:</b>	<b>\$2,999.52</b>

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

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**Material and Labor Distribution**  
(All Phase/Areas)

<b>Material</b>	<b>%</b>	<b>Level</b>	<b>Description</b>	<b>Labor Hours</b>	<b>%</b>
\$3,888.10	72.90%	1	Raceway Systems	278.14	92.57%
\$1,445.05	27.10%	3	Wire	22.31	7.43%
<b>\$5,333.15</b>	<b>100%</b>			<b>300.44</b>	<b>100%</b>

**Man-Loading and Supervision Analysis**

1. Number of Man Days	38.00
2. Number of Work Days	13.00
3. Average Man Load	3.00
4. Non-Working Foremen Hours	104.00
5. Non-Working General Foremen Hours	0.00
6. Total Man Hours With Supervision	404.44

**Quantity Survey**

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

**Galvanized Rigid Conduit**

**Material Dollars**

**Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	60					
1-1/2" Galvanized Rigid Conduit	20					
2" Galvanized Rigid Conduit	10					
3/4" GRC Elbow	16					
3/4" GRC Elbow	6					
1-1/2" GRC Elbow	2					
2" GRC Elbow	4					
<b>Total for Galvanized Rigid Conduit</b>						<b>Hrs</b>

**GRC Fittings**

**Material Dollars**

**Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4"x10" GRC Nipple	3					
3/4" Plastic Bushing	48					
1-1/2" Plastic Bushing	10					
2" Plastic Bushing	2					
3/4" Locknut	32					
3/4" Grounding Locknut	38					
1-1/2" Grounding Locknut	4					
2" Grounding Locknut	4					
3/4" GRC Ins Threadless Connector	22					
2" GRC Ins Threadless Connector	2					
3/4" GRC Threadless Coupling	22					
2" GRC Threadless Coupling	6					
3/4" 2 Hole Steel Strap	22					
3/4" Clamp Back	15					
1-1/2" Clamp Back	5					
2" Clamp Back	4					
<b>Total for GRC Fittings</b>						<b>Hrs</b>

**GRC Condulets**

**Material Dollars**

**Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
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**Quantity Survey**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location: ,

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

<b>GRC Condulets</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
1-1/2" Condulet-Type LB	2					
1-1/2" Steel Condulet Cover	2					
3/4" 2 Gang FS Box	1					
<b>Total for GRC Condulets</b>						<b>Hrs</b>

<b>EMT</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
3/4" EMT	140					
1-1/2" EMT	280					
3/4" EMT Elbow	40					
1-1/2" EMT Elbow	32					
<b>Total for EMT</b>						<b>Hrs</b>

<b>EMT Fittings</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
3/4" EMT Insul Steel Comprsn Conn	10					
1-1/2" EMT Insul Steel Comprsn Conn	8					
3/4" EMT Steel Compression Coup	30					
1-1/2" EMT Steel Compression Coup	60					
3/4" EMT Clamp Back	28					
1-1/2" EMT Clamp Back	56					
<b>Total for EMT Fittings</b>						<b>Hrs</b>

<b>EMT Condulets</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
3/4" EMT Conduit Body-Type LB	3					
1-1/2" EMT Conduit Body-Type LB	2					
3/4" EMT Conduit Body Cover	3					
1-1/2" EMT Conduit Body Cover	2					
<b>Total for EMT Condulets</b>						<b>Hrs</b>

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location: ,

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

Flexible Conduit			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
1/2" Flex Liquid Tight Conduit	6					
<b>Total for Flexible Conduit</b>						<b>Hrs</b>

Flex Conduit Fittings			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
1/2" Straight Liquidtight Conn	2					
1/2" 90Dg Liquidtight Conn	2					
<b>Total for Flex Conduit Fittings</b>						<b>Hrs</b>

Outlet Boxes			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
1/2"&3/4" KO 4"x1-1/2" Sq Drawn Box	14					
5/8" Rise 4" Sq 2G Device Ring	14					
Winged Switch Box Support	14					
6" #12 Pigtail	14					
<b>Total for Outlet Boxes</b>						<b>Hrs</b>

Enclosures and Cabinets			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
8x8x6 Screw Cover PB no/KO-N3R	3					
24x24x10 Hinge Cover Box no/KO-N3R	3					
<b>Total for Enclosures and Cabinets</b>						<b>Hrs</b>

U-Channel			Material Dollars		Labor Hours	
Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	300					
1/4" Hex Nut	200					
1/4" Threaded Rod	660					
1/4" Rod Coupling	100					
3/4" EMT Channel Clamp	28					
1-1/2" EMT Channel Clamp	56					

## Quantity Survey

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location: ,

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

<b>U-Channel</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
3/4" GRC Channel Clamp	15					
1-1/2" GRC Channel Clamp	5					
2" GRC Channel Clamp	4					
Galv12Ga 1-1/2" Channel w/Holes	120					
1/4-20 1-1/2" Channel Spring Nut	80					
3/4" EMT Channel Clamp	40					
<b>Total for U-Channel</b>						<b>Hrs</b>

<b>Miscellaneous</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
Dayly Clean-Up	1					
Install RCM to RDP	1					
Install RDP	1					
Remove and Re-install Ceiling Tiles	1					
Average Fastener	28					
1/2"-1"x8" Depth Core Drilling	3					
1-1/4"-2"x8" Depth Core Drilling	3					
3/4" Hole Punching	58					
1-1/2" Hole Punching	8					
2" Hole Punching	2					
1" Fire Proofing	3					
2" Fire Proofing	3					
#16-#10 Red Wire Nut	50					
7/8" Metal Anchor	28					
10-16 x 1" Hex Head Self-Drill	100					
1/4" Rod Hanger Wedge Anchor	200					
<b>Total for Miscellaneous</b>						<b>Hrs</b>

<b>Copper Wire 600V</b>		<b>Material Dollars</b>			<b>Labor Hours</b>	
<b>Description</b>	<b>Quantity</b>	<b>Per</b>	<b>Price</b>	<b>Total</b>	<b>Labor</b>	<b>Total</b>
#12 THHN Solid Copper	40					

**Quantity Survey**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

Location: ,

Bid Date: 02/07/2021

Job Type:

Bid Item:

Job #:

<b>Copper Wire 600V</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
Description	Quantity	Per	Price	Total	Labor	Total
Solid Pull Wire	545	_____	_____	_____	_____	_____
Solid Pull Wire	1080	_____	_____	_____	_____	_____
<b>Total for Copper Wire 600V</b>				_____	_____	<b>Hrs</b>

<b>Control Cable</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
Description	Quantity	Per	Price	Total	Labor	Total
4/C #16 Control Cable	470	_____	_____	_____	_____	_____
4/C #16 Control Cable	720	_____	_____	_____	_____	_____
7/C #16 Control Cable	130	_____	_____	_____	_____	_____
9/C #16 Control Cable	170	_____	_____	_____	_____	_____
<b>Total for Control Cable</b>				_____	_____	<b>Hrs</b>

<b>Wire and Equipment Connec</b>			<b>Material Dollars</b>		<b>Labor Hours</b>	
Description	Quantity	Per	Price	Total	Labor	Total
(4) #14-#6 Equipment Conn	2	_____	_____	_____	_____	_____
<b>Total for Wire and Equipment Connections</b>				_____	_____	<b>Hrs</b>
<b>Total Material</b>				_____	_____	<b>Hrs</b>

## Estimate Report Detail - Recap

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

<b>Setup</b>	
Work Hours in a Day	8
Work Days in a Month	20
Months in Contract	0
# of Foremen	1
# of General Foremen	0
Job Start Date	
Job End Date	
<b>Wage Rates</b>	
Average	\$47.78
Foremen	\$51.97
General Foremen	\$54.00
<b>Miscellaneous</b>	
Taxes & Ins. On Wages	22.600%
Bond Premium	0.000%
<b>Overhead</b>	
Labor	10.000%
Non-Quoted Material	10.000%
Quoted Material	10.000%
Job Expenses	10.000%
Sub-Contracts	10.000%
Overhead on Sales Tax	10.000%
<b>Profit</b>	
Labor	5.000%
Non-Quoted Material	5.000%
Quoted Material	5.000%
Job Expenses	5.000%
Sub-Contracts	5.000%
Profit on Sales Tax	5.000%
<b>Sales Tax</b>	
Material	7.000%
Labor	0.000%
<b>Overtime Hours</b>	
Time and a Half	0
Double Time	0
Triple Time	0
<b>Job Expenses</b>	
Total	\$2,999.52
<b>Other Costs</b>	
Subcontracts	\$0.00
Allowances	\$0.00
Square Footage	0

## Schedule of Values

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

<u>Description</u>	<u>Value</u>
Raceway Systems	\$29,255.99
Wire	\$8,871.59
<hr/>	
<b>Total Schedule Of Values</b>	<b>\$38,127.58</b>

## Estimate Report Detail - Summary (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Matrix Security Doors 2-7-2021

**Location:** ,

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
1	Misc Job Items	Dayly Clean-Up	Miscellaneous	E	\$0.00	\$0.00	10.00	10.00	
1	Misc Job Items	Install RCM to RDP	Miscellaneous	E	\$0.00	\$0.00	.87	.87	
1	Misc Job Items	Install RDP	Miscellaneous	E	\$0.00	\$0.00	1.50	1.50	
1	Misc Job Items	Remove and Re-install Ceiling Tiles	Miscellaneous	E	\$0.00	\$0.00	24.00	24.00	
60	Conduit	3/4" Galvanized Rigid Conduit	Galvanized Rigid Conduit	C	\$191.71	\$115.03	5.00	3.00	
20	Conduit	1-1/2" Galvanized Rigid Conduit	Galvanized Rigid Conduit	C	\$505.67	\$101.13	10.50	2.10	
10	Conduit	2" Galvanized Rigid Conduit	Galvanized Rigid Conduit	C	\$620.89	\$62.09	10.00	1.00	
16	Conduit Fittings	3/4" GRC Elbow	Galvanized Rigid Conduit	E	\$4.64	\$74.24	.31	4.96	
6	Conduit Fittings	3/4" GRC Elbow	Galvanized Rigid Conduit	E	\$4.64	\$27.84	.31	1.88	
2	Conduit Fittings	1-1/2" GRC Elbow	Galvanized Rigid Conduit	E	\$11.07	\$22.14	.60	1.20	
4	Conduit Fittings	2" GRC Elbow	Galvanized Rigid Conduit	E	\$16.29	\$65.16	.56	2.25	
3	Conduit Fittings	3/4"x10" GRC Nipple	GRC Fittings	E	\$3.72	\$11.16	.12	.38	
48	T & B	3/4" Plastic Bushing	GRC Fittings	E	\$0.09	\$4.32	.15	7.20	
10	T & B	1-1/2" Plastic Bushing	GRC Fittings	E	\$0.25	\$2.50	.30	3.00	
2	T & B	2" Plastic Bushing	GRC Fittings	E	\$0.45	\$0.90	.31	.63	
32	Appleton	3/4" Locknut	GRC Fittings	E	\$0.06	\$1.92	.05	1.60	
38	Appleton	3/4" Grounding Locknut	GRC Fittings	E	\$0.81	\$30.78	.08	2.85	
4	Appleton	1-1/2" Grounding Locknut	GRC Fittings	E	\$2.09	\$8.36	.10	.42	
4	Appleton	2" Grounding Locknut	GRC Fittings	E	\$2.43	\$9.72	.09	.35	
22	O-Z/Gedney	3/4" GRC Ins Threadless Connector	GRC Fittings	E	\$5.15	\$113.30	.12	2.64	
2	O-Z/Gedney	2" GRC Ins Threadless Connector	GRC Fittings	E	\$22.88	\$45.76	.38	.76	
22	O-Z/Gedney	3/4" GRC Threadless Coupling	GRC Fittings	E	\$4.79	\$105.38	.12	2.64	
6	O-Z/Gedney	2" GRC Threadless Coupling	GRC Fittings	E	\$38.09	\$228.54	.38	2.28	
22	Appleton	3/4" 2 Hole Steel Strap	GRC Fittings	E	\$0.08	\$1.76	.04	.88	
15	Appleton	3/4" Clamp Back	GRC Fittings	E	\$0.88	\$13.20	.05	.75	
5	Appleton	1-1/2" Clamp Back	GRC Fittings	E	\$2.56	\$12.80	.09	.45	
4	Appleton	2" Clamp Back	GRC Fittings	E	\$4.15	\$16.60	.08	.30	
2	Appleton	1-1/2" Condulet-Type LB	GRC Condulets	E	\$23.00	\$46.00	.68	1.35	
2	Crouse-Hinds	1-1/2" Steel Condulet Cover	GRC Condulets	E	\$3.88	\$7.76	.15	.30	
1	Crouse-Hinds	3/4" 2 Gang FS Box	GRC Condulets	E	\$22.59	\$22.59	.52	.52	
140	Conduit	3/4" EMT	EMT	C	\$71.84	\$100.58	3.75	5.25	
280	Conduit	1-1/2" EMT	EMT	C	\$245.43	\$687.20	9.00	25.20	
40	Conduit Fittings	3/4" EMT Elbow	EMT	E	\$2.15	\$86.00	.10	4.00	
32	Conduit Fittings	1-1/2" EMT Elbow	EMT	E	\$6.24	\$199.68	.18	5.76	
10	Raco	3/4" EMT Insul Steel Condulet Conn	EMT Fittings	E	\$0.40	\$4.00	.09	.88	

## Estimate Report Detail - Summary (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
Matrix Security Doors 2-7-2021

**Bid Date:** 02/07/2021

**Job Type:**

**Bid Item:**

**Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
8	Raco	1-1/2" EMT Insul Steel Comprsn Conn	EMT Fittings	E	\$1.83	\$14.64	.16	1.32	
30	Raco	3/4" EMT Steel Compression Coup	EMT Fittings	E	\$0.37	\$11.10	.06	1.88	
60	Raco	1-1/2" EMT Steel Compression Coup	EMT Fittings	E	\$1.58	\$94.80	.14	8.10	
28	Raco	3/4" EMT Clamp Back	EMT Fittings	E	\$0.62	\$17.36	.04	1.05	
56	Raco	1-1/2" EMT Clamp Back	EMT Fittings	E	\$1.78	\$99.68	.06	3.36	
3	Bridgeport	3/4" EMT Conduit Body-Type LB	EMT Condulets	E	\$5.10	\$15.30	.25	.75	
2	Bridgeport	1-1/2" EMT Conduit Body-Type LB	EMT Condulets	E	\$13.01	\$26.02	.52	1.05	
3	Bridgeport	3/4" EMT Conduit Body Cover	EMT Condulets	E	\$1.14	\$3.42	.10	.30	
2	Bridgeport	1-1/2" EMT Conduit Body Cover	EMT Condulets	E	\$2.32	\$4.64	.15	.30	
6	Electri-Flex	1/2" Flex Liquid Tight Conduit	Flexible Conduit	E	\$0.85	\$5.10	.03	.18	
2	Appleton	1/2" Straight Liquidtite Conn	Flex Conduit Fittings	E	\$1.36	\$2.72	.09	.18	
2	Appleton	1/2" 90Dg Liquidtite Conn	Flex Conduit Fittings	E	\$2.26	\$4.52	.09	.18	
14	Raco	1/2"&3/4" KO 4"x1- 1/2" Sq Drawn Box	Outlet Boxes	E	\$1.71	\$23.94	.38	5.32	
14	Raco	5/8" Rise 4" Sq 2G Device Ring	Outlet Boxes	E	\$1.65	\$23.10	.12	1.68	
14	Raco	Winged Switch Box Support	Outlet Boxes	E	\$4.41	\$61.74	.22	3.08	
14	Raco	6" #12 Pigtail	Outlet Boxes	E	\$0.35	\$4.90	.03	.42	
3	B-Line	8x8x6 Screw Cover PB no/KO-N3R	Enclosures and Cabinets	E	\$35.74	\$107.22	.44	1.32	
3	B-Line	24x24x10 Hinge Cover Box no/KO-N3R	Enclosures and Cabinets	E	\$0.00	\$0.00	1.80	5.40	
300	B-Line	1/4"x1-1/4" Fender Washer	U-Channel	E	\$0.08	\$24.00	.01	3.00	
200	B-Line	1/4" Hex Nut	U-Channel	E	\$0.04	\$8.00	.02	4.00	
660	B-Line	1/4" Threaded Rod	U-Channel	E	\$0.25	\$165.00	.02	13.20	
100	B-Line	1/4" Rod Coupling	U-Channel	E	\$0.32	\$32.00	.04	4.00	
28	B-Line	3/4" EMT Channel Clamp	U-Channel	E	\$0.92	\$25.76	.05	1.40	
56	B-Line	1-1/2" EMT Channel Clamp	U-Channel	E	\$1.49	\$83.44	.09	5.04	
15	B-Line	3/4" GRC Channel Clamp	U-Channel	E	\$1.02	\$15.30	.05	.75	
5	B-Line	1-1/2" GRC Channel Clamp	U-Channel	E	\$1.44	\$7.20	.09	.45	
4	B-Line	2" GRC Channel Clamp	U-Channel	E	\$1.74	\$6.96	.08	.30	
120	Steel City	Galv12Ga 1-1/2" Channel w/Holes	U-Channel	E	\$3.10	\$372.00	.10	12.00	
80	Steel City	1/4-20 1-1/2" Channel Spring Nut	U-Channel	E	\$1.47	\$117.60	.02	1.60	

## Estimate Report Detail - Summary (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
Matrix Security Doors 2-7-2021

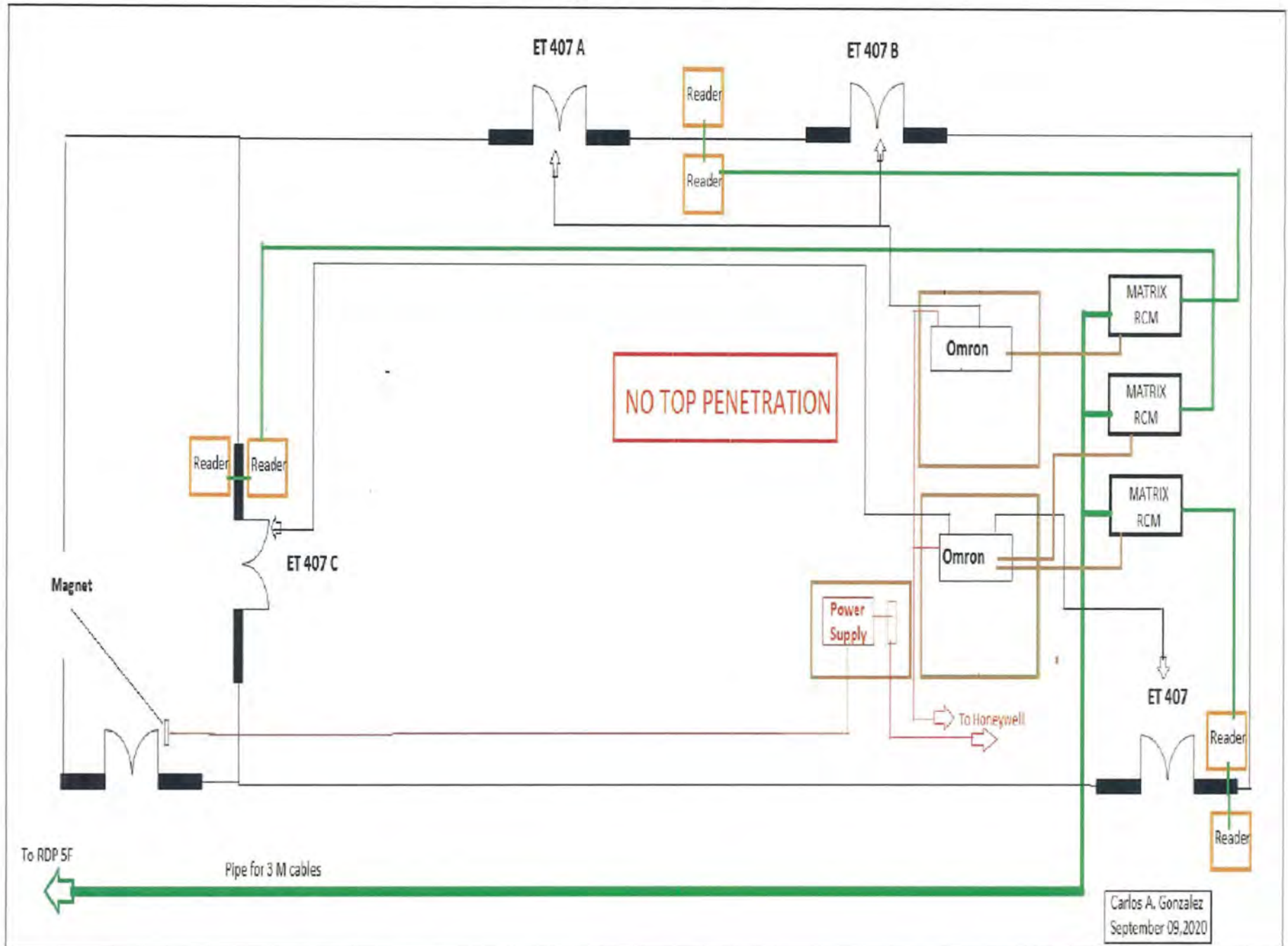
**Bid Date:** 02/07/2021      **Job Type:**

**Bid Item:**      **Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
40	Steel City	3/4" EMT Channel Clamp	U-Channel	E	\$0.92	\$36.80	.05	2.00	
28	Misc Job Items	Average Fastener	Miscellaneous	E	\$0.18	\$5.04	.01	.28	
3	Core Drilling	1/2"-1"x8" Depth Core Drilling	Miscellaneous	E	\$0.00	\$0.00	.75	2.25	
3	Core Drilling	1-1/4"-2"x8" Depth Core Drilling	Miscellaneous	E	\$0.00	\$0.00	1.25	3.75	
58	Hole Punching	3/4" Hole Punching	Miscellaneous	E	\$0.00	\$0.00	.38	22.04	
8	Hole Punching	1-1/2" Hole Punching	Miscellaneous	E	\$0.00	\$0.00	.50	4.00	
2	Hole Punching	2" Hole Punching	Miscellaneous	E	\$0.00	\$0.00	.60	1.20	
3	Fire Proofing	1" Fire Proofing	Miscellaneous	E	\$12.44	\$37.32	.38	1.14	
3	Fire Proofing	2" Fire Proofing	Miscellaneous	E	\$16.16	\$48.48	.50	1.50	
50	3M	#16-#10 Red Wire Nut	Miscellaneous	E	\$0.16	\$8.00	.00	.00	
28	Majestic	7/8" Metal Anchor	Miscellaneous	E	\$0.02	\$0.56	.08	2.24	
100	Powers Fasteners	10-16 x 1" Hex Head Self-Drill	Miscellaneous	E	\$0.10	\$10.00	.03	3.00	
200	Powers Fasteners	1/4" Rod Hanger Wedge Anchor	Miscellaneous	E	\$0.68	\$136.00	.15	30.00	
40	Copper Wire	#12 THHN Solid Copper	Copper Wire 600V	M	\$111.12	\$4.44	6.00	.24	
545	Copper Wire	Solid Pull Wire	Copper Wire 600V	M	\$49.95	\$27.22	3.75	2.04	
1,080	Copper Wire	Solid Pull Wire	Copper Wire 600V	M	\$49.95	\$53.95	4.50	4.86	
470	Copper Wire	4/C #16 Control Cable	Control Cable	M	\$843.94	\$396.65	7.50	3.53	
720	Copper Wire	4/C #16 Control Cable	Control Cable	M	\$843.94	\$607.64	9.00	6.48	
130	Copper Wire	7/C #16 Control Cable	Control Cable	M	\$1,120.9	\$145.72	11.25	1.46	
170	Copper Wire	9/C #16 Control Cable	Control Cable	M	\$1,231.9	\$209.43	13.75	2.34	
2	Copper Wire	(4) #14-#6 Equipment Conn	Wire and Equipment Connections	E	\$0.00	\$0.00	.68	1.36	
<b>Total</b>						<b>\$5,333.15</b>		<b>300.44</b>	

# AA Admiral Club - Project

This is not an official Drawing- It is an Guide of how to connect devices for the Electricians











# Transmittal #41

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

Project: 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

## RWP #33

TO: Patricia Gomez (Miami Dade Aviation Department) FROM: Carolyn Modeste (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

CREATED DATE: 11/24/2020

COPIES TO:

TRANSMIT:	VIA:	FOR:	ACTION:
		Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #33	Other	11/24/ 2020	1

### Comments

BY \_\_\_\_\_ DATE \_\_\_\_\_ COPIES TO \_\_\_\_\_



November 20, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #33**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal refers to the 4<sup>th</sup> floor Fire Alarm and it's connection to room E-1505 on the 1<sup>st</sup> floor, including X-rays, core drilling and removal and reinstallation of ceiling tiles to achieve the task according with drawing E-4, revision 4 for doors E-4551, E-4651, E-4656, E-4550, and E-4550-2. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
ARO Electrical	See Attached	\$41,431.88
	MCC Fee (.0796%):	\$3,297.97
	<b>TOTAL:</b>	<b>\$44,729.85</b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,



Jian Munilla  
MIA MCC-8-10  
General Manager

Cc: File

## Ruben DaGama

---

**From:** Ruben DaGama  
**Sent:** Thursday, November 19, 2020 2:54 PM  
**To:** Leticia Green  
**Cc:** Ginny Mirabal  
**Subject:** FW: AA Admirals Club - MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor  
**Attachments:** E-4-4-16-2020 Conduit Runs.pdf; E-9-4-16-2020.pdf; FIRE ALARM and CAMERA Conduit Runs No.4-4th Floor.pdf; FIRE ALARM and CAMERA Conduit Runs-1st Floor.pdf; FIRE ALARM and CAMERA Conduit Runs-3rd Floor.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Audit Trail.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Bid Summary.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Estimate Items.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Estimate Recap.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Job Expenses.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - M L Distribution.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Quote.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Recap.pdf; MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor - Summary.pdf

**Importance:** High  
**Categories:** Verde

Leticia,

I was asked by the MDAD project manager Patricia Gomez to move along this Change Order so it can be previewed against their budget.

This CO refers to the 4th floor Fire Alarm, its connection to room E-1505 on the 1<sup>st</sup> floor, including X-rays, core drilling and removal and reinstallation of ceiling tiles to achieve the task, according with drawing E-4, revision 4, at the 4<sup>th</sup> floor with the three new doors, E-4551, E-4651, E-4656 and the already installed doors E-4550 and E-4550-2.

The contractor included three drawings presenting the path of the conduits for the 1<sup>st</sup>, 3<sup>rd</sup> and 4<sup>th</sup> floors.

I will leave a hard copy at your desk.

Thank you.

Greetings,

Ruben DaGama  
PH: 305-541-0000

---

**From:** ARO Electrical Contractor Inc [<mailto:aroelectric@gmail.com>]  
**Sent:** Tuesday, November 10, 2020 4:05 PM  
**To:** Ruben DaGama  
**Cc:** Juan Munilla; Juan Carlos Llanes; Ginny Mirabal; Arezki Djerroud  
**Subject:** AA Admirals Club - MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor  
**Importance:** High

FYI  
MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor

Sincerely

Volker Stenkewitz/Owner

# ARO Electrical Contractor, Inc.

16540 SW 97th Street, Miami, FL 33196

**Name / Address**

MCM  
 Attn: Ruben DaGama  
 6201 SW 70 ST, 2nd Floor  
 Miami, FL 33143

11/9/2020

Date	Estimate #	Ship To		
11/9/2020	202011094	MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor		
Description		Qty	Rate	Total
MCC-X-113-A-MIA-Admirals Club Fire Alarm 4th Floor Electrical Scope:  1.Install conduits for fire alarm between Matrix control panel and room E1505. 2.Install Conduits and F/A cable Matrix control panel and door controller (OC). 3.Core drilling and floor x-rays. 4.Remove and re-install ceiling tiles. 5.Daily clean up.		1	41,431.88	41,431.88
We look forward to working with you.			<b>Total</b>	<b>\$41,431.88</b>

WE HEREBY propose to furnish all labor and materials for a complete electrical installation in accordance with plans and specifications for the above referenced project. With payment(s) to be made as follows: 1.Payment = 30% due at contract signing; 2. Payment = 40% due after rough inspection by the building department ; 3.Payment = 30% due after final inspection by the building department

All material is guaranteed to be as specified unless changed or substituted by Owner or Owner's Representative. All work shall be executed in a workmanlike manner in accordance with accepted standard practices. Any alterations or deviations from the contract plans and specifications involving additional or extra costs will be executed only upon written authorization from the Owner or Owner's Representative and will become an extra charge to the original contract Proposal. We will not be held responsible for materials or labor subject to strikes, accidents, delays, or Acts of God. In any litigation, arbitration or any other disputes relating to the Proposal, inclusive of any or all change orders or other modifications to plans and specifications of the above project, or the parties obligations or performance hereafter, the prevailing party shall recover its attorney fees and any and all related costs, both taxable and non-taxable, from the non-prevailing party.

THIS PROPOSAL is valid for 30 Days and shall become void at the option of the undersigned.

Authorized By: Volker Stenkewitz

Title: President

License #: EC13004264

**Inclusions, exclusions, clarifications, and qualifications are as follows:**

All material prices are subject to change. This Proposal does not contain Permit Fees or any other Fees.

### Acceptance of Proposal

THE ABOVE proposed sum, conditions and qualifications are hereby accepted. You are authorized to do the electrical work as specified with payments remitted in accordance with this Proposal.

Authorized By:

Title:

Date:

Phone # (786) 259-5739

Fax # (786) 462-9138

arolectric@gmail.com

http://www.arolectrical.com

## Estimate Report Detail - Recap

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

<b>Setup</b>	
Work Hours in a Day	8
Work Days in a Month	20
Months in Contract	0
# of Foremen	1
# of General Foremen	0
Job Start Date	
Job End Date	
<b>Wage Rates</b>	
Average	\$46.73
Foremen	\$50.79
General Foremen	\$54.00
<b>Miscellaneous</b>	
Taxes & Ins. On Wages	22.600%
Bond Premium	0.000%
<b>Overhead</b>	
Labor	10.000%
Non-Quoted Material	10.000%
Quoted Material	10.000%
Job Expenses	10.000%
Sub-Contracts	10.000%
Overhead on Sales Tax	10.000%
<b>Profit</b>	
Labor	5.000%
Non-Quoted Material	5.000%
Quoted Material	5.000%
Job Expenses	5.000%
Sub-Contracts	5.000%
Profit on Sales Tax	5.000%
<b>Sales Tax</b>	
Material	7.000%
Labor	0.000%
<b>Overtime Hours</b>	
Time and a Half	0
Double Time	0
Triple Time	0
<b>Job Expenses</b>	
Total	\$3,883.28
<b>Other Costs</b>	
Subcontracts	\$0.00
Allowances	\$0.00
Square Footage	0

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

**Bid Summary**

**Adjustments**

345.87 Hours @ \$46.73		\$16,162.27	_____
118.40 Foreman Hours @ \$50.79		\$6,013.54	_____
0.00 General Foreman Hours @ \$54.00		\$0.00	_____
Taxes & Insurance At	22.60%	\$5,100.44	_____
Time and a Half	0.00	\$0.00	_____
Double Time Hours	0.00	\$0.00	_____
Triple Time Hours	0.00	\$0.00	_____
Taxes & Insurance on OT Hours		\$0.00	_____
Total Labor Cost		\$27,276.24	_____
Material		\$4,403.95	_____
Sales Tax On Material @ 7.000%		\$308.28	_____
Job Expenses		\$3,883.28	_____
Sub-Contracts		\$0.00	_____
Contractor Cost		\$35,871.75	_____
Overhead	10% (composite)	\$3,587.18	_____
Cost with Overhead		\$39,458.93	_____
Profit	5% (composite)	\$1,972.95	_____
Cost with O.H. + Profit		\$41,431.88	_____
Bid Security %	7.2%		
Allowances		\$0.00	_____
Bond Premium	0.00%	\$0.00	_____
<b>Preliminary Bid Price</b>		<b>\$41,431.88</b>	_____

**Square Footage Analysis based on 0 Square Feet**

<b>0.00</b>	<b>Bid Price per Square Foot</b>
<b>0.00</b>	<b>Material Cost with Tax per Square Foot</b>
<b>0.00</b>	<b>Labor Hours per Square Foot</b>
<b>0.00</b>	<b>Quoted Material per Square Foot</b>
<b>0.00</b>	<b>Non-Quoted Material per Square Foot</b>

**Bid Prices Submitted To**

**Amount**

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

---

**Material and Labor Distribution**  
(All Phase/Areas)

Material	%	Level	Description	Labor Hours	%
\$3,757.19	85.31%	1	Raceway Systems	324.58	93.85%
\$646.76	14.69%	3	Wire	10.83	3.13%
\$0.00	0.00%	6	Special Systems	10.45	3.02%
<b>\$4,403.95</b>	<b>100%</b>			<b>345.87</b>	<b>100%</b>

**Man-Loading and Supervision Analysis**

1. Number of Man Days	43.00
2. Number of Work Days	14.80
3. Average Man Load	3.00
4. Non-Working Foremen Hours	118.40
5. Non-Working General Foremen Hours	0.00
6. Total Man Hours With Supervision	464.27

**Estimate Recap**

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

		<b>Material</b>	<b>Labor</b>	
<b>Description</b>	<b>Level</b>	<b>Dollars</b>	<b>Hours</b>	
Galvanized Rigid Conduit	1	\$759.61	37.16	
GRC Fittings	1	\$408.00	24.72	
GRC Condulets	1	\$46.20	2.54	
EMT	1	\$594.49	34.49	
EMT Fittings	1	\$136.25	17.15	
EMT Condulets	1	\$49.92	3.36	
Outlet Boxes	1	\$35.70	9.15	
U-Channel	1	\$1,311.54	84.74	
Suspension Hangers	1	\$4.20	.20	
Miscellaneous	1	\$411.28	111.08	
Copper Wire 600V	3	\$51.45	4.64	
Special Cables	3	\$595.31	6.19	
Fire Alarm	6	\$.00	10.45	
	<b>Totals</b>	<b>\$4,403.95</b>	<b>345.87</b>	<b>Hrs</b>

## Estimate Report Detail - Job Expenses

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

<b>Job Expense Type</b>	<b>Cost</b>
X-Ray Equipment Rental	\$1,200.00
Mobilization 7%	\$2,683.28
<b>Total Job Expenses:</b>	<b>\$3,883.28</b>

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

**Galvanized Rigid Conduit****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Galvanized Rigid Conduit	40	C	\$191.71	\$76.68	5.00	2.00
3/4" Galvanized Rigid Conduit	240	C	\$191.71	\$460.10	7.00	16.80
3/4" GRC Elbow	16	E	\$4.64	\$74.24	.31	5.00
3/4" GRC Elbow	26	E	\$4.64	\$120.64	.44	11.38
3/4" GRC Coupling	22	E	\$1.27	\$27.94	.09	1.98
<b>Total for Galvanized Rigid Conduit</b>				<b>\$759.61</b>		<b>37.16 Hrs</b>

**GRC Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Plastic Bushing	8	E	\$0.09	\$0.72	.15	1.20
3/4" Plastic Bushing	20	E	\$0.09	\$1.80	.21	4.20
3/4" Locknut	16	E	\$0.06	\$0.96	.05	.80
3/4" Grounding Locknut	24	E	\$0.81	\$19.44	.10	2.52
3/4" GRC Ins Threadless Connector	28	E	\$5.15	\$144.20	.18	5.04
3/4" GRC Threadless Coupling	40	E	\$4.79	\$191.60	.18	7.20
3/4" Clamp Back	8	E	\$0.88	\$7.04	.05	.40
3/4" Clamp Back	48	E	\$0.88	\$42.24	.07	3.36
<b>Total for GRC Fittings</b>				<b>\$408.00</b>		<b>24.72 Hrs</b>

**GRC Condulets****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" Condulet-Type LL	2	E	\$7.41	\$14.82	.52	1.05
3/4" Alum Condulet-Type LB	2	E	\$4.72	\$9.44	.52	1.05
1/2" 2 Gang FS Box	1	E	\$21.94	\$21.94	.44	.44
<b>Total for GRC Condulets</b>				<b>\$46.20</b>		<b>2.54 Hrs</b>

**EMT****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT	410	C	\$71.84	\$294.54	3.75	15.38
3/4" EMT	220	C	\$71.84	\$158.05	5.25	11.55
3/4" EMT Elbow	42	E	\$2.15	\$90.30	.10	4.20
3/4" EMT Elbow	24	E	\$2.15	\$51.60	.14	3.36
<b>Total for EMT</b>				<b>\$594.49</b>		<b>34.49 Hrs</b>

**EMT Fittings****Material Dollars****Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Insul Steel Comprsn Conn	18	E	\$0.40	\$7.20	.09	1.58
3/4" EMT Insul Steel Comprsn Conn	8	E	\$0.40	\$3.20	.12	.98
3/4" EMT Steel Compression Coup	83	E	\$0.37	\$30.71	.06	5.19
3/4" EMT Steel Compression Coup	46	E	\$0.37	\$17.02	.09	4.03
3/4" EMT Clamp Back	82	E	\$0.62	\$50.84	.04	3.08
3/4" EMT Clamp Back	44	E	\$0.62	\$27.28	.05	2.31
<b>Total for EMT Fittings</b>				<b>\$136.25</b>		<b>17.15 Hrs</b>

## Estimate Items - Detail

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

Location:

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

### EMT Condulets

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
3/4" EMT Conduit Body-Type LB	4	E	\$5.10	\$20.40	.25	1.00
3/4" EMT Conduit Body-Type LB	4	E	\$5.10	\$20.40	.35	1.40
3/4" EMT Conduit Body Cover	4	E	\$1.14	\$4.56	.10	.40
3/4" EMT Conduit Body Cover	4	E	\$1.14	\$4.56	.14	.56
<b>Total for EMT Condulets</b>				<b>\$49.92</b>		<b>3.36 Hrs</b>

### Outlet Boxes

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/2"&3/4" KO 4"x1-1/2" Sq Drawn Box	15	E	\$1.71	\$25.65	.52	7.80
Flat Blank 4" Sq Box Cover	10	E	\$0.26	\$2.60	.09	.90
5/8" Rise 4" Sq 1G Device Ring	5	E	\$1.49	\$7.45	.09	.45
<b>Total for Outlet Boxes</b>				<b>\$35.70</b>		<b>9.15 Hrs</b>

### U-Channel

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
1/4"x1-1/4" Fender Washer	500	E	\$0.08	\$40.00	.01	5.00
1/4" Hex Nut	400	E	\$0.04	\$16.00	.04	16.00
1/4" Threaded Rod	1290	E	\$0.25	\$322.50	.02	25.80
1/4" Rod Coupling	100	E	\$0.32	\$32.00	.05	5.00
Galv12Ga 1-1/2" Channel w/Holes	140	E	\$3.10	\$434.00	.10	14.00
1/4-20 1-1/2" Channel Spring Nut	200	E	\$1.47	\$294.00	.04	8.00
3/4" EMT Channel Clamp	82	E	\$0.92	\$75.44	.05	4.10
3/4" EMT Channel Clamp	44	E	\$0.92	\$40.48	.07	3.08
3/4" GRC Channel Clamp	8	E	\$1.02	\$8.16	.05	.40
3/4" GRC Channel Clamp	48	E	\$1.02	\$48.96	.07	3.36
<b>Total for U-Channel</b>				<b>\$1,311.54</b>		<b>84.74 Hrs</b>

### Suspension Hangers

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Tap-on Box to Stud Clip	5	E	\$0.84	\$4.20	.04	.20
<b>Total for Suspension Hangers</b>				<b>\$4.20</b>		<b>.20 Hrs</b>

### Miscellaneous

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Daily Clean Up	1	E	\$0.00	\$0.00	4.00	4.00
Floor X-Ray	4	E	\$0.00	\$0.00	3.00	12.00
Remove and Re-install Ceiling Tiles	1	E	\$0.00	\$0.00	8.00	8.00
1 Can Spray Paint	1	E	\$6.80	\$6.80	.88	.88
1/2"-1"x8" Depth Core Drilling	12	E	\$0.00	\$0.00	1.05	12.60
3/4" Hole Punching	8	E	\$0.00	\$0.00	.52	4.16
1" Fire Proofing	12	E	\$13.44	\$161.28	.52	6.24
#16-#10 Red Wire Nut	30	E	\$0.16	\$4.80	.00	.00
1 Wire Marker	10	E	\$0.04	\$0.40	.02	.20
3/8" Rod Hanger Wedge Anchor	350	E	\$0.68	\$238.00	.18	63.00
<b>Total for Miscellaneous</b>				<b>\$411.28</b>		<b>111.08 Hrs</b>

## Estimate Items - Detail

Phase/Area: (All Phase/Areas)

Job Name: MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

Location: ,

Bid Date: 11/09/2020

Job Type:

Bid Item:

Job #:

### Copper Wire 600V

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
Solid Pull Wire	510	M	\$49.95	\$25.47	3.75	1.91
Solid Pull Wire	520	M	\$49.95	\$25.97	5.25	2.73
<b>Total for Copper Wire 600V</b>				<b>\$51.45</b>	<b>4.64 Hrs</b>	

### Special Cables

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
#18/4 Jacketed Fire Alarm Cable	510	M	\$577.97	\$294.76	5.00	2.55
#18/4 Jacketed Fire Alarm Cable	520	M	\$577.97	\$300.54	7.00	3.64
<b>Total for Special Cables</b>				<b>\$595.31</b>	<b>6.19 Hrs</b>	

### Fire Alarm

#### Material Dollars

#### Labor Hours

Description	Quantity	Per	Price	Total	Labor	Total
F/A Smoke Detector	5	E	\$0.00	\$0.00	1.05	5.25
F/A Wire Terminations	20	E	\$0.00	\$0.00	.26	5.20
<b>Total for Fire Alarm</b>				<b>\$0.00</b>	<b>10.45 Hrs</b>	
<b>Total Material</b>				<b>\$4,403.95</b>	<b>345.87 Hrs</b>	

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Fire Alarm 4th Floor

**Location:** ,

**Bid Date:** 11/09/2020

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Items

Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
28	O-Z/Gedney	3/4" GRC Ins Threadless Connector	E	\$5.15	\$144.20	.18	5.04	
22	Conduit Fittings	3/4" GRC Coupling	E	\$1.27	\$27.94	.09	1.98	
40	O-Z/Gedney	3/4" GRC Threadless Coupling	E	\$4.79	\$191.60	.18	7.20	
12	Core Drilling	1/2"-1"x8" Depth Core Drilling	E	\$0.00	\$0.00	1.05	12.60	
4	Misc Job Items	Floor X-Ray	E	\$0.00	\$0.00	3.00	12.00	
12	Fire Proofing	1" Fire Proofing	E	\$13.44	\$161.28	.52	6.24	
140	Steel City	Galv12Ga 1-1/2" Channel w/Holes	E	\$3.10	\$434.00	.10	14.00	
100	B-Line	1/4" Rod Coupling	E	\$0.32	\$32.00	.05	5.00	
1,290	B-Line	1/4" Threaded Rod	E	\$0.25	\$322.50	.02	25.80	
500	B-Line	1/4"x1-1/4" Fender Washer	E	\$0.08	\$40.00	.01	5.00	
400	B-Line	1/4" Hex Nut	E	\$0.04	\$16.00	.04	16.00	
200	Steel City	1/4-20 1-1/2" Channel Spring Nut	E	\$1.47	\$294.00	.04	8.00	
350	Powers Fasteners	3/8" Rod Hanger Wedge Anchor	E	\$0.68	\$238.00	.18	63.00	
1	Crouse-Hinds	1/2" 2 Gang FS Box	E	\$21.94	\$21.94	.44	.44	
1	Misc Job Items	1 Can Spray Paint	E	\$6.80	\$6.80	.88	.88	
1	Misc Job Items	Remove and Re-install Ceiling Tiles	E	\$0.00	\$0.00	8.00	8.00	
1	Misc Job Items	Daily Clean Up	E	\$0.00	\$0.00	4.00	4.00	
8	Hole Punching	3/4" Hole Punching	E	\$0.00	\$0.00	.52	4.16	
				<b>Total</b>	<b>\$1,930.26</b>			<b>199.34</b>

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

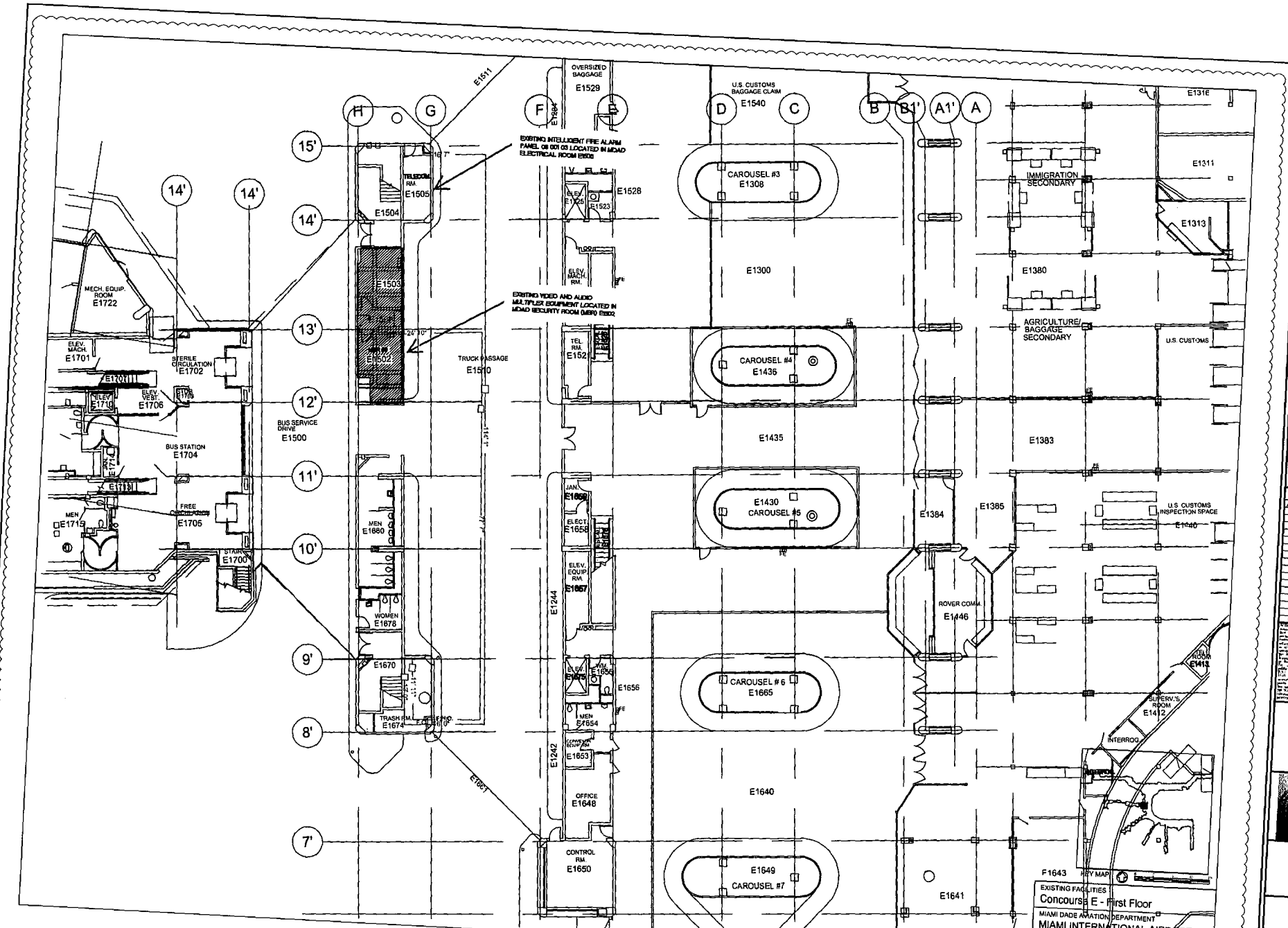
**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
 Fire Alarm 4th Floor  
**Bid Date:** 11/09/2020      **Job Type:**  
**Bid Item:**      **Job #:**

### Audit Trail

#### Assemblies / Feeders

Quantity	Category	Sub-Category	Description	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
220	Feeder Assembly	3/4" EMT	3/4" EMT w. F/A Cable	\$2.18	\$480.29	.15	32.01	
240	Feeder Assembly	3/4" GRC	3/4" GRC w. F/A Cable	\$3.69	\$886.26	.19	45.34	
5	Miscellaneous	4" Square Box	With Cover & Wirenuts	\$4.90	\$24.50	1.22	6.10	
410	Feeder Assembly	3/4" EMT	3/4" EMT w. F/A Cable	\$2.07	\$850.28	.09	38.76	
5	Fire Alarm	Addressable on Metal Stud	F/A Control Module (CM Provided by Others)	\$4.12	\$20.60	2.78	13.90	
40	Feeder Assembly	3/4" GRC	3/4" GRC w. F/A Cable	\$5.29	\$211.76	.26	10.41	
<b>Total</b>					<b>\$2,473.69</b>		<b>146.53</b>	





PARTIAL 1ST FLOOR ELECTRICAL PLAN  
NO SCALE

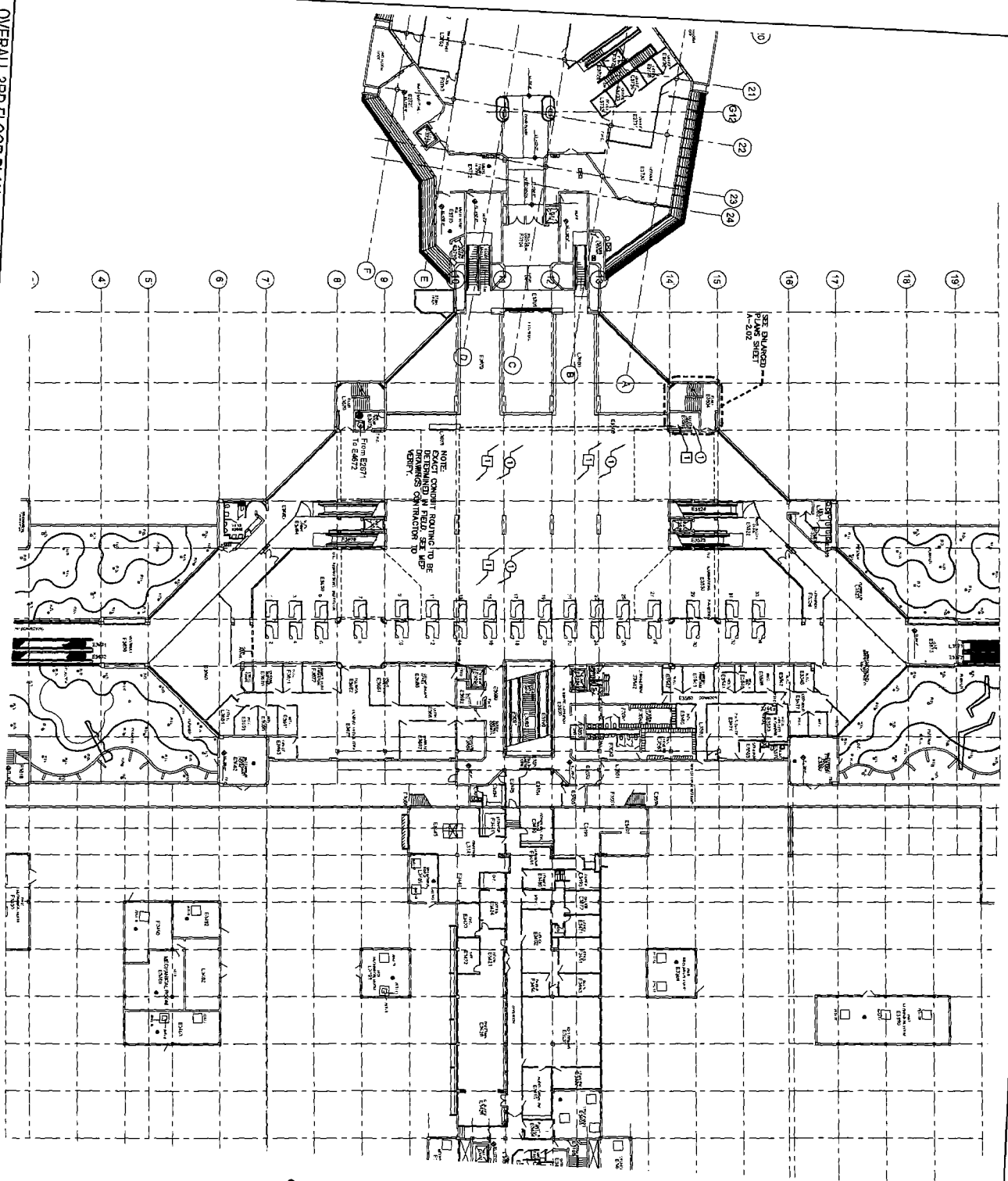
**SILVA ARCHITECTS**  
 1000 S.W. 15TH AVENUE, SUITE 1000  
 MIAMI, FL 33135  
 TEL: 305.375.1111  
 FAX: 305.375.1112  
 WWW.SILVAARCHITECTS.COM

**MA**  
 MIAMI INTERNATIONAL AIRPORT  
 AMERICAN AIRLINES ADMIRAL'S CLUB LOUNGE  
 MDAU INFRASTRUCTURE PROJECT  
 PROJECT NO. X-115A

REVISION	DATE
1	1/7/20
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F 1643 KEY MAP  
 EXISTING FACILITIES  
 Concourse E - First Floor  
 MIAMI DADE AVIATION DEPARTMENT  
 MIAMI INTERNATIONAL AIRPORT  
 E.1.5  
 07/23/2019 5

DATE ISSUED  
6-6-18  
SHEET  
E-8



**DEMOLITION INSTRUCTIONS**

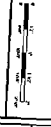
1. THE CONTRACTOR SHALL REMOVE ALL EXISTING CONSTRUCTION AND FINISHES TO BE DEMOLISHED TO THE FINISHES SHOWN ON THIS SHEET. THE CONTRACTOR SHALL REMOVE ALL EXISTING CONSTRUCTION AND FINISHES TO BE DEMOLISHED TO THE FINISHES SHOWN ON THIS SHEET. THE CONTRACTOR SHALL REMOVE ALL EXISTING CONSTRUCTION AND FINISHES TO BE DEMOLISHED TO THE FINISHES SHOWN ON THIS SHEET.

**GENERAL DEMOLITION NOTES**


1. THE CONTRACTOR SHALL REMOVE ALL EXISTING CONSTRUCTION AND FINISHES TO BE DEMOLISHED TO THE FINISHES SHOWN ON THIS SHEET.
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**NEW CONSTRUCTION INSTRUCTIONS**

1. THE CONTRACTOR SHALL REMOVE ALL EXISTING CONSTRUCTION AND FINISHES TO BE DEMOLISHED TO THE FINISHES SHOWN ON THIS SHEET.
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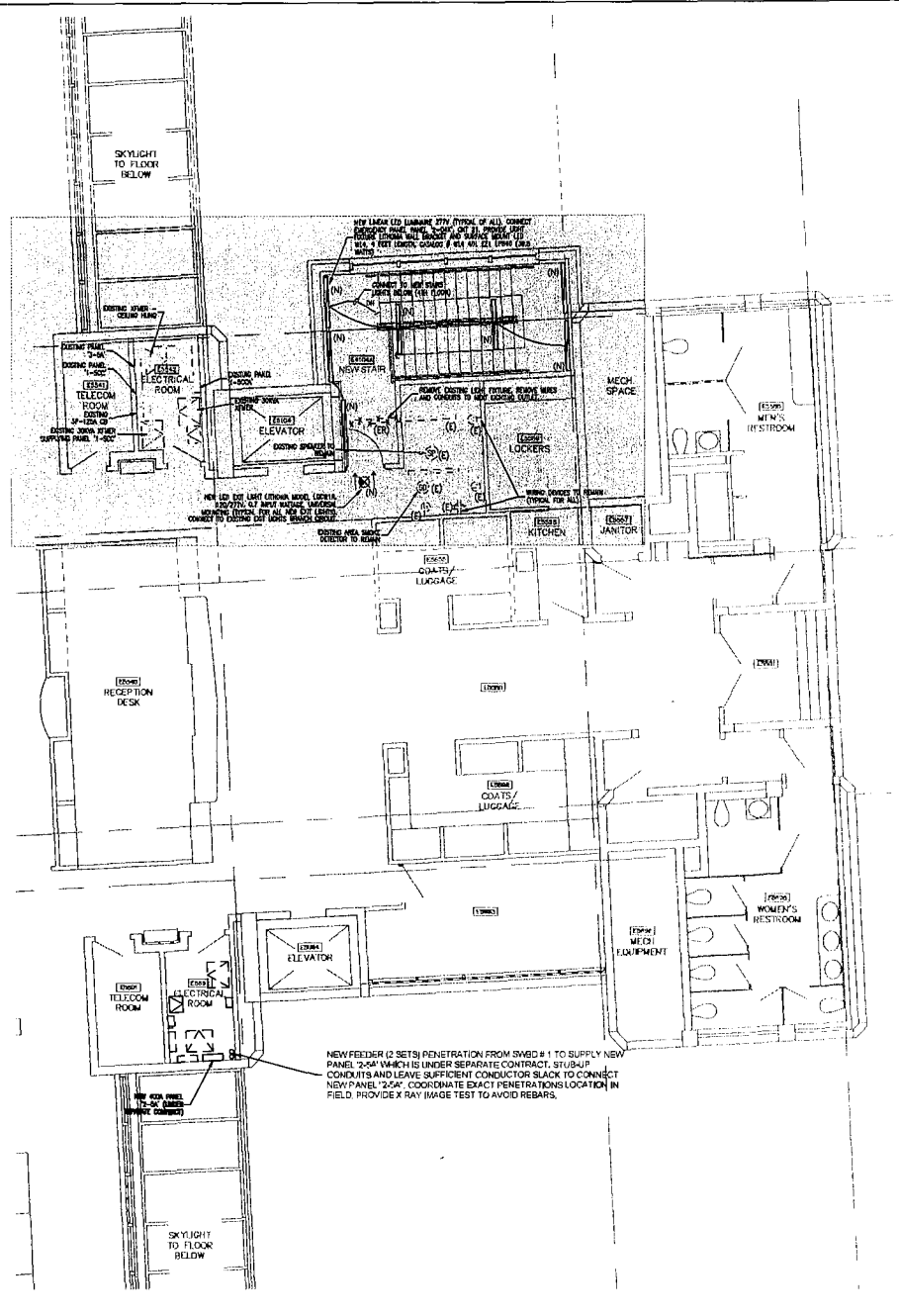
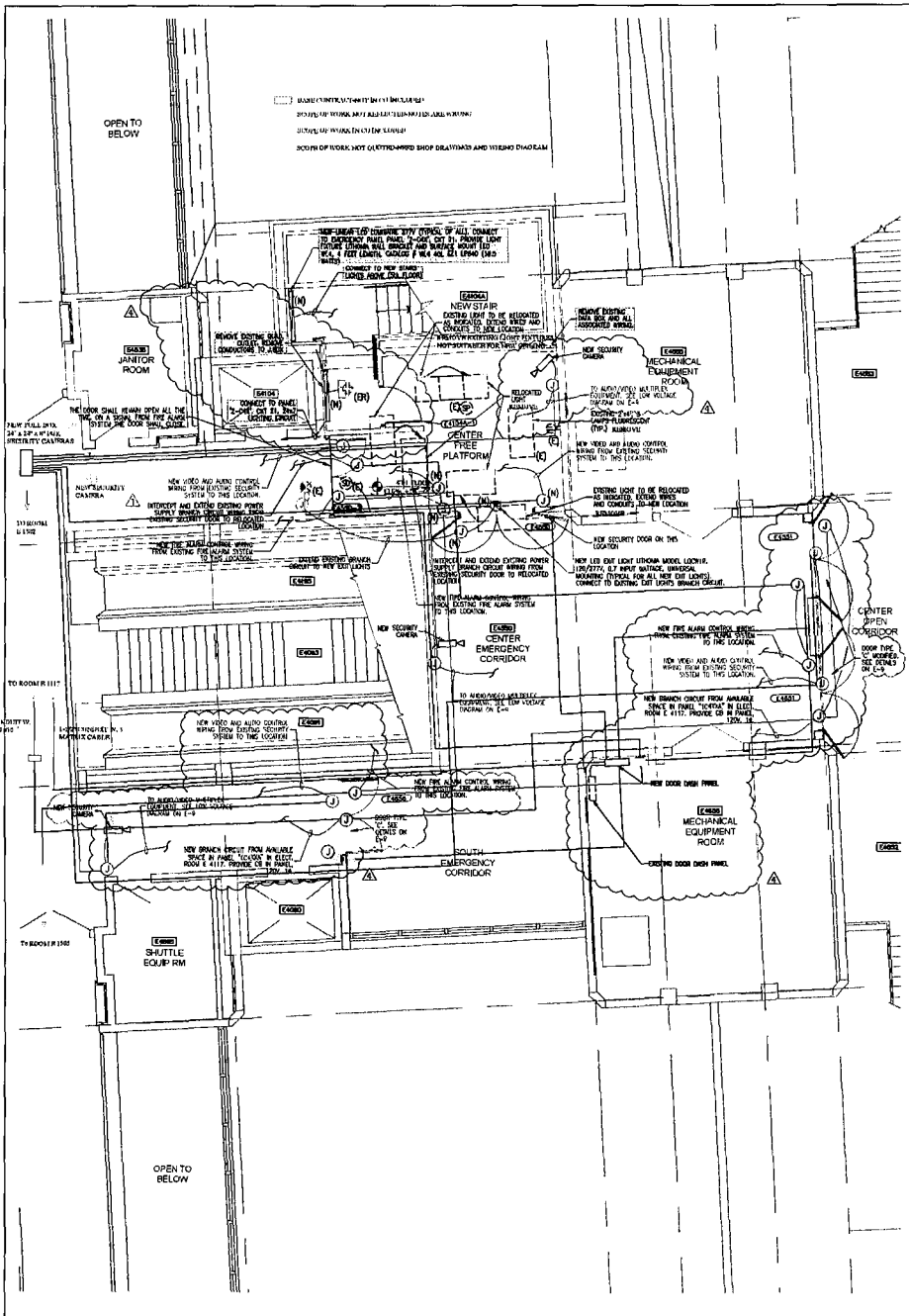
DATE ISSUED  
8/08/18  
SHEET  
A-1.02



**MIAMI INTERNATIONAL AIRPORT**  
AMERICAN AIRLINES ADMIRAL'S CLUB LOUNGE  
AND NEW STAIR PROJECT  
PROJECT No. X113A

**SILVA ARCHITECTS**  
INNOVATIVE ENGINEERING GROUP, INC.  
BOTAS ENGINEERING, INC.





ENLARGED STAIR ELECTRICAL PLAN - 4TH FLOOR  
SCALE: 1/8" = 1'-0"

ENLARGED STAIR & ELECTRICAL ROOM PLANS - 5TH FLOOR  
SCALE: 1/8" = 1'-0"

**SILVA ARCHITECTS**  
 1000 BAYVIEW BLVD., SUITE 1000  
 MIAMI, FL 33134  
 PH: 305.371.1111  
 FAX: 305.371.1112  
 WWW.SILVAARCHITECTS.COM

**MAA**  
 MIAMI INTERNATIONAL AIRPORT  
 AMERICAN AIRLINES ADMIRAL'S CLUB LOUNGE  
 MID-ATLANTA INFRASTRUCTURE AND NEW STAIR PROJECT  
 PROJECT #10-AT-10A

REVISION	DATE
1	11/17/18
2	1/2/19



DATE ISSUED  
6-6-18

SHEET

E-4



# Transmittal #43

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

Project: 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

## RWP #35

**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 12/04/2020

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #35	Other	12/04/ 2020	1

### Comments

Emailed 12/4/2020

BY \_\_\_\_\_ DATE \_\_\_\_\_ COPIES TO \_\_\_\_\_



December 1, 2020

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #35**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is for the connection of the security doors to the Fire Alarm System for doors E-4551, E-4651, E-4656, E-4550, and E-4550-2 per revision 4, drawing E-4. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
Honeywell	See Attached	\$6,065.22

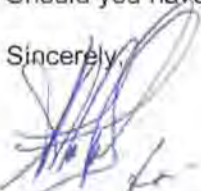
MCC Fee (.0796%):	\$482.79
<b>TOTAL:</b>	<b>\$6,548.01</b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

  
Juan Murilla  
MIA MCC-8-10  
General Manager

Cc: File



**Company - ADM Honeywell**

**Description: Security Door's Tied in to FA System**

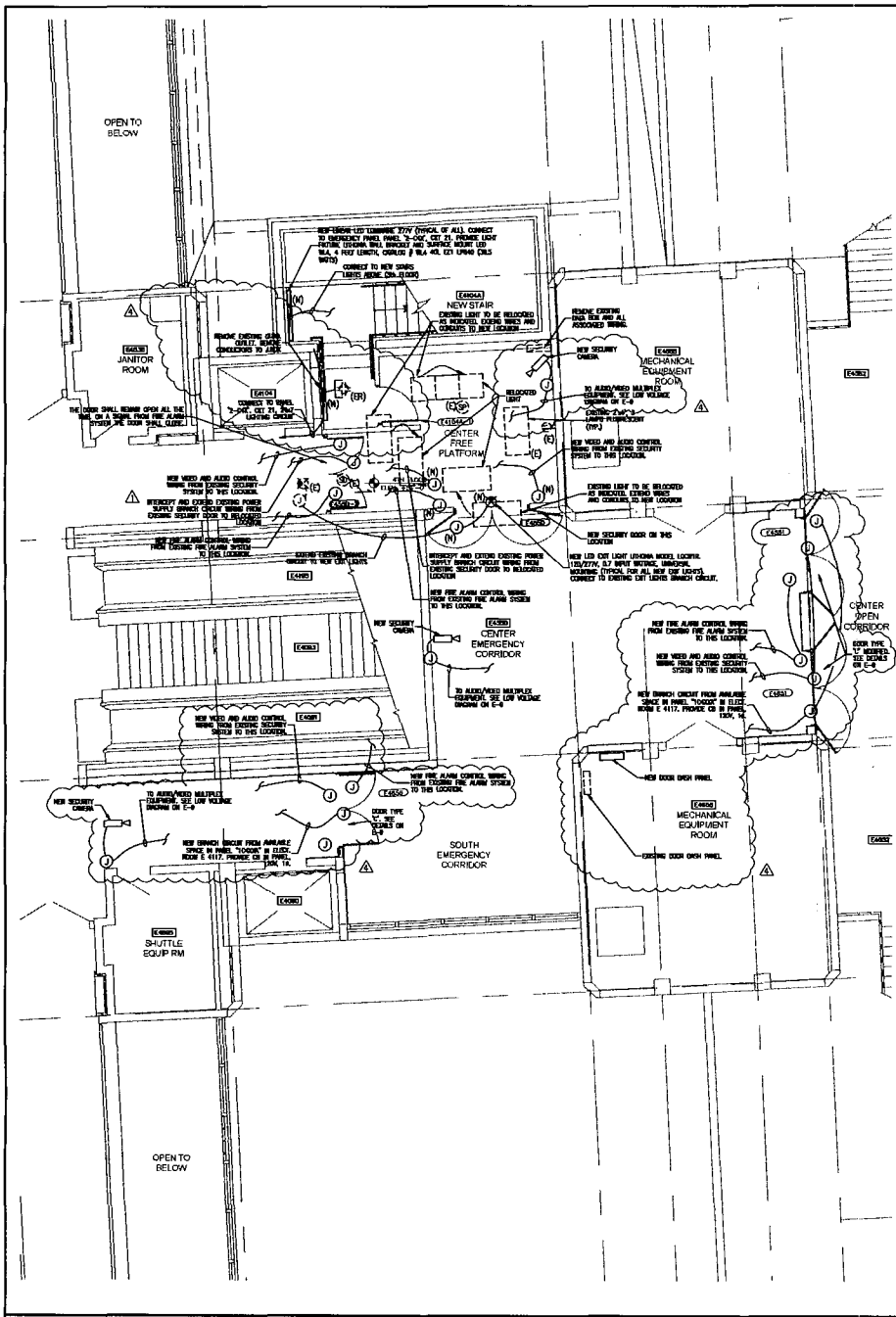
	Labor Hours:	Labor Rate	Burden %	Burden \$	Uniforms	R+B	H*(RB)
<b>(RN03)</b>							
Engineer	18	135.63				135.63	2,441.34
Technician	16	118.14				118.14	1,890.24
Programer	8	163.58				163.58	1,308.64
							-
							5,640.22
							-
							-
Subcontractor	1					0.00	425.00
							-
							425.00
							-
							6,065.22
							<u>6,065.22</u>
<b>Equipment:</b>							
Monthly	0	\$	-				-
Mobilizations	0	\$	-				-
							-
							0.00
							<u>0.00</u>
						7%	0.00
							<u>0.00</u>
							<u>6,065.22</u>
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							<u>6,065.22</u>
							\$0.00
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OH&P

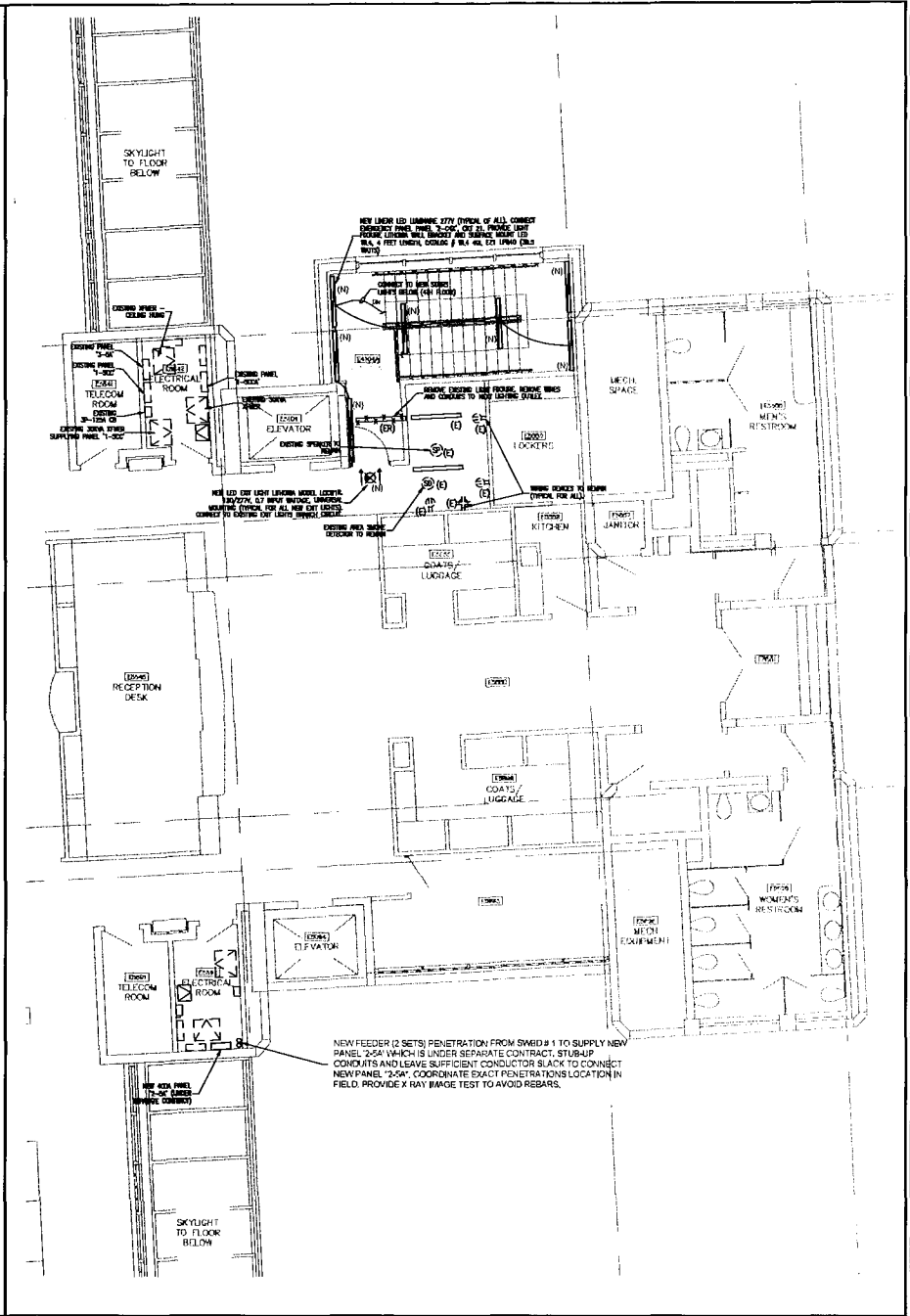
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Bond 2%

**6,065.22**



ENLARGED STAIR ELECTRICAL PLAN - 4TH FLOOR  
SCALE: 1/4" = 1'-0"



ENLARGED STAIR & ELECTRICAL ROOM PLANS - 5TH FLOOR  
SCALE: 1/4" = 1'-0"

**SILVA ARCHITECTS**  
ARCHITECTS AND ENGINEERS, P.C.  
1000 AVENUE OF THE ARTS, SUITE 1000  
HOUSTON, TEXAS 77002  
BOYAS ENGINEERING, INC.  
PROJECT NO. 11-001-101

MAAMI INTERNATIONAL AIRPORT  
AMERICAN AIRLINES ADMIRALS CLUB LOUNGE  
MADAD INFRASTRUCTURE AND NEW STAIR PROJECT  
PROJECT NO. X113A

REVISION	DATE
1	11/18/18
2	1/8/20

DATE ISSUED: 6-5-18  
SHEET: E-4



# Transmittal #44

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #36

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**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 02/23/2021

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #36	Other	02/23/ 2021	1

### Comments

Emailed 2/23/2021

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



February 19, 2021

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club’s Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #36**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is for the cost to procure and install a breaker needed per code requirements. After an investigatory work performed per Work Order #8/RWP #17, it was found that the breaker needed to be either re-conditioned or replaced. MDAD’s recommendation is to proceed with a new breaker to be furnished and install to ensure that code requirements are met properly. A credit of \$4,000.00 is to provide and install a breaker per original contract and bid documents is also included in this proposal (see SOV line item E-2-001-01). Please see breakdown of cost proposal attached.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
ARO Electrical Contractor, Inc.	Procure/Install New Breaker	\$43,792.99
	Credit for Breaker Per Original Contract	(\$4,000.00)
	<b>Subtotal:</b>	<b>\$39,792.99</b>
	MCC Fee (.0796%);	\$3,167.53
	<b>TOTAL:</b>	<b>\$42,960.52</b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible

Sincerely,

Juan Munilla  
MIA – MCC-8-10  
General Manager

Cc: File

# ARO Electrical Contractor, Inc.

16540 SW 97th. Street, Miami. Florida 33196

## Bill To

MCM  
Attn: Ruben DaGama  
6201 SW 70 ST, 2nd Floor  
Miami, FL 33143

Date	Invoice #	License #	Terms	Project
2/10/2021	202112602	EC13004264		MCC-X-113-A-MIA-Admirals Club Breaker.
Quantity	Description	Rate	Amount	
1	MCC-X-113-A-MIA-Admirals Club Breaker Furnish and install a Eaton MIK5200901-3-BLG Breaker 480V, 400A, 3-Phase SPB 100 400A 3P Drawout behind the door Manually Operated RMS 510 LIG - Plug 400A Credit Schedule of Value	43,792.99	43,792.99	
		-4,000.00	-4,000.00	
We look forward to working with you.			<b>Total</b>	<b>\$39,792.99</b>

Phone # (786) 259-5739

Fax # (786) 462-9138

aroelectric@gmail.com

<http://www.aroelectrical.com>

## Estimate Report Detail - Recap

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Breaker 2-10-2021

**Location:** ,

**Bid Date:** 02/10/2021

**Job Type:**

**Bid Item:**

**Job #:**

<b>Setup</b>	
Work Hours in a Day	8
Work Days in a Month	20
Months in Contract	0
# of Foremen	1
# of General Foremen	0
Job Start Date	
Job End Date	
<b>Wage Rates</b>	
Average	\$47.78
Foremen	\$51.97
General Foremen	\$54.00
<b>Miscellaneous</b>	
Taxes & Ins. On Wages	22.600%
Bond Premium	0.000%
<b>Overhead</b>	
Labor	10.000%
Non-Quoted Material	10.000%
Quoted Material	10.000%
Job Expenses	10.000%
Sub-Contracts	10.000%
Overhead on Sales Tax	10.000%
<b>Profit</b>	
Labor	5.000%
Non-Quoted Material	5.000%
Quoted Material	5.000%
Job Expenses	5.000%
Sub-Contracts	5.000%
Profit on Sales Tax	5.000%
<b>Sales Tax</b>	
Material	7.000%
Labor	0.000%
<b>Overtime Hours</b>	
Time and a Half	0
Double Time	0
Triple Time	0
<b>Job Expenses</b>	
Total	\$0.00
<b>Other Costs</b>	
Subcontracts	\$0.00
Allowances	\$0.00
Square Footage	0

**Estimate Report Detail - Summary**  
(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club      **Location:** ,  
Breaker 2-10-2021

**Bid Date:** 02/10/2021      **Job Type:**  
**Bid Item:**      **Job #:**

Qty	Manufacturer	Description	WorkGroup	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Vendor
1	Misc Job Items	Breaker 480V, 400A, 3-Phase	Loadcenters and Panels	E	\$33,200.	\$33,200.00	32.00	32.00	
					<u>Total</u>	<u>\$33,200.00</u>		<u>32.00</u>	

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Breaker 2-10-2021

**Location:** ,

**Bid Date:** 02/10/2021

**Job Type:**

**Bid Item:**

**Job #:**

**Bid Summary**

**Adjustments**

32.00 Hours @ \$47.78		\$1,528.96	_____
8.00 Foreman Hours @ \$51.97		\$415.76	_____
0.00 General Foreman Hours @ \$54.00		\$0.00	_____
Taxes & Insurance At	22.60%	\$447.29	_____
Time and a Half	0.00	\$0.00	_____
Double Time Hours	0.00	\$0.00	_____
Triple Time Hours	0.00	\$0.00	_____
Taxes & Insurance on OT Hours		\$0.00	_____
Total Labor Cost		\$2,392.01	_____
Material		\$33,200.00	_____
Sales Tax On Material @ 7.000%		\$2,324.00	_____
Job Expenses		\$0.00	_____
Sub-Contracts		\$0.00	_____
Contractor Cost		\$37,916.01	_____
Overhead	10% (composite)	\$3,791.60	_____
Cost with Overhead		\$41,707.61	_____
Profit	5% (composite)	\$2,085.38	_____
Cost with O.H. + Profit		\$43,792.99	_____
Bid Security %	87.2%		
Allowances		\$0.00	_____
Bond Premium	0.00%	\$0.00	_____
<b>Preliminary Bid Price</b>		<b>\$43,792.99</b>	_____

**Square Footage Analysis based on 0 Square Feet**

0.00	<b>Bid Price per Square Foot</b>
0.00	<b>Material Cost with Tax per Square Foot</b>
0.00	<b>Labor Hours per Square Foot</b>
0.00	<b>Quoted Material per Square Foot</b>
0.00	<b>Non-Quoted Material per Square Foot</b>

**Bid Prices Submitted To**

**Amount**

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____

**Estimate Items - Detail**

Phase/Area: (All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Breaker 2-10-2021

**Location:** ,

**Bid Date:** 02/10/2021

**Job Type:**

**Bid Item:**

**Job #:**

**Loadcenters and Panels**

**Material Dollars**

**Labor Hours**

Description	Quantity	Per	Price	Total	Labor	Total
Breaker 480V, 400A, 3-Phase	1	E	\$33,200.00	\$33,200.00	32.00	32.00
<b>Total for Loadcenters and Panels</b>				<b>\$33,200.00</b>	<b>32.00 Hrs</b>	
<b>Total Material</b>				<b>\$33,200.00</b>	<b>32.00 Hrs</b>	



# Detail Bill of Material

Project Name: AA Admirals Club - Add SPB Breaker      Negotiation No: MI910903X0K1  
 General Order No:      Alternate No: 0000

Item No.	Qty	Product	Description
1	1	Engineering Services	SPB 100 400A 3P Drawout  SPB 100 400A 3P Drawout behind the door Manually Operated RMS 510 LIG - Plug 400A  <u>Reconditioned and Tested with One Year Warranty</u>  MIK5200901-3-BLG Eaton Standard Published Rates will apply to any delay time or authorized added work. Terms and Conditions: This offer is made in accordance with Eaton Corporation Selling Policy 25-000 dated November 1, 2008. Taxes, if applicable, are not included. Quotation is valid for 30 days from date issued. Please issue a Purchase Order to Eaton Corporation referencing the quote number above. This proposal is offered subject to attached Eaton Corp Selling Policy 25-000 Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.
			YOUR COST      \$ 14,900.00 recondition breaker 1 year warranty

Item No.	Qty	Product	Description
1	1	Engineering Services	SPB 100 400A 3P Drawout  SPB 100 400A 3P Drawout behind the door Manually Operated RMS 510 LIG - Plug 400A <u>NEW Condition</u>  MIK5200901-3-BLG Eaton Standard Published Rates will apply to any delay time or authorized added work. Terms and Conditions: This offer is made in accordance with Eaton Corporation Selling Policy 25-000 dated November 1, 2008. Taxes, if applicable, are not included. Quotation is valid for 30 days from date issued. Please issue a Purchase Order to Eaton Corporation referencing the quote number above. This proposal is offered subject to attached Eaton Corp Selling Policy 25-000 Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.
			YOUR COST      \$ 33,200.00      NEW CONDITION

Eaton Selling Policy 25-000 applies.

All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.

## Estimate Report Detail - Audit Trail

(All Phase/Areas)

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Breaker 2-10-2021

**Location:** ,

**Bid Date:** 02/10/2021

**Job Type:**

**Bid Item:**

**Job #:**

### Audit Trail

#### Items

Quantity	Manufacturer	Description	UOM	Cost	Ext. Cost	Labor	Ext. Labor	Phase/Area
1	Misc Job Items	Breaker 480V, 400A, 3-Phase	E	\$33,200.00	\$33,200.00	32.00	32.00	
				<u>Total</u>	<u>\$33,200.00</u>		<u>32.00</u>	

**Estimate Recap**

**Phase/Area: (All Phase/Areas)**

**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Breaker 2-10-2021

**Location:** ,

**Bid Date:** 02/10/2021

**Job Type:**

**Bid Item:**

**Job #:**

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		<b>Material</b>	<b>Labor</b>	
<b>Description</b>	<b>Level</b>	<b>Dollars</b>	<b>Hours</b>	
Loadcenters and Panels	2	\$33,200.00	32.00	
	<b>Totals</b>	<b>\$33,200.00</b>	<b>32.00</b>	<b>Hrs</b>

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**Job Name:** MCC-X-113-A-MIA-Admirals Club  
Breaker 2-10-2021

**Location:** ,

**Bid Date:** 02/10/2021

**Job Type:**

**Bid Item:**

**Job #:**

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**Material and Labor Distribution**  
(All Phase/Areas)

<b>Material</b>	<b>%</b>	<b>Level</b>	<b>Description</b>	<b>Labor Hours</b>	<b>%</b>
\$33,200.00	100.00	2	Distribution Equipment	32.00	100.00%
<b>\$33,200.00</b>	<b>100%</b>			<b>32.00</b>	<b>100%</b>

**Man-Loading and Supervision Analysis**

1. Number of Man Days	4.00
2. Number of Work Days	1.00
3. Average Man Load	4.00
4. Non-Working Foremen Hours	8.00
5. Non-Working General Foremen Hours	0.00
6. Total Man Hours With Supervision	40.00

A	B	C	D	E	F	G	H	I	J	
COST ITEM #:	COST ITEM DESCRIPTION	BID TOTAL	WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% / (C)	BALANCE TO FINISH (C-G)	RETAINAGE (If Variable) 10 %
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD	MATERIALS PRESENTLY STORED NOT IN (D or E)					
FP-3 - 00 - 02	Provide, Replace and Relocate Fire Sprinkler Pipes, Heads & Accessories	\$ 3,530.00	\$ 2,506.30	\$ -		\$ 2,506.30	71%	\$ 1,023.70	\$ 125.32	
	Project Close-out	\$ 750.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 750.00	\$ -	
PC-00-05	Punch List and Guaranties	\$ 750.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 750.00	\$ -	
<b>Package K</b>	<b>ARO Electrical Contractor</b>	<b>\$ 199,900.00</b>	<b>\$ 112,290.48</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 112,290.48</b>	<b>56%</b>	<b>\$ 87,609.52</b>	<b>\$ 5,614.52</b>	
	<b>GENERAL</b>	<b>\$ 5,997.00</b>	<b>\$ 5,037.48</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,037.48</b>	<b>34%</b>	<b>\$ 959.52</b>	<b>\$ 251.87</b>	
M-00-01	Mobilization (3 %)	\$ 5,997.00	\$ 5,037.48	\$ -	\$ -	\$ 5,037.48	84%	\$ 959.52	\$ 251.87	
	<b>DEMOLITION</b>	<b>\$ 3,203.00</b>	<b>\$ 3,103.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,103.00</b>	<b>97%</b>	<b>\$ 100.00</b>	<b>\$ 155.15</b>	
E-4 - 00 - 01	Remove and/or Relocate Light Fixtures, Wires, Conduits and	\$ 2,003.00	\$ 2,003.00	\$ -	\$ -	\$ 2,003.00	100%	\$ -	\$ 100.15	
E-4 - 00 - 02	Remove and Dispose of Quad Outlets	\$ 100.00	\$ 100.00	\$ -	\$ -	\$ 100.00	100%	\$ -	\$ 5.00	
E-4 - 00 - 03	Remove and Dispose of Conductors to J Box	\$ 400.00	\$ 400.00	\$ -	\$ -	\$ 400.00	100%	\$ -	\$ 20.00	
E-4 - 00 - 04	Remove and Dispose of Exit Light	\$ 100.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 100.00	\$ -	
E-5 - 00 - 01	Remove and Dispose of AHU-29 Disconnect Switches	\$ 300.00	\$ 300.00	\$ -	\$ -	\$ 300.00	100%	\$ -	\$ 15.00	
E-5 - 00 - 02	Remove and Dispose of AHU-30 Disconnect Switches	\$ 300.00	\$ 300.00	\$ -	\$ -	\$ 300.00	100%	\$ -	\$ 15.00	
	<b>NEW WORK</b>	<b>\$ 189,200.00</b>	<b>\$ 104,150.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 104,150.00</b>	<b>55%</b>	<b>\$ 85,050.00</b>	<b>\$ 5,207.50</b>	
E-1 - 00 - 01	Electrical Rough - Power and Fire Alarm	\$ 52,000.00	\$ 46,800.00	\$ -	\$ -	\$ 46,800.00	90%	\$ 5,200.00	\$ 2,340.00	
E-1 - 00 - 02	Provide and Install Straight Pull Box	\$ 500.00	\$ 500.00	\$ -	\$ -	\$ 500.00	100%	\$ -	\$ 25.00	
E-1 - 00 - 03	Provide and Install Angle Pull Box	\$ 500.00	\$ 500.00	\$ -	\$ -	\$ 500.00	100%	\$ -	\$ 25.00	
E-2 - 00 - 01	Provide and Install 400A Power Breaker	\$ 4,000.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 4,000.00	\$ -	
E-2 - 00 - 02	X-ray, Core Drill Slab & Layout	\$ 52,000.00	\$ 46,800.00	\$ -	\$ -	\$ 46,800.00	90%	\$ 5,200.00	\$ 2,340.00	
E-2 - 00 - 03	Provide and Install Runways and Wiring F/SWB-1 to Panel 20-	\$ 500.00	\$ 500.00	\$ -	\$ -	\$ 500.00	100%	\$ -	\$ 25.00	
E-4 - 00 - 05	Provide and Install Linear LED Luminaire	\$ 500.00	\$ 500.00	\$ -	\$ -	\$ 500.00	100%	\$ -	\$ 25.00	
E-4 - 00 - 06	Provide and Install Light Fixture Lithonia Wall Bracket	\$ 4,000.00	\$ 3,600.00	\$ -	\$ -	\$ 3,600.00	90%	\$ 400.00	\$ 180.00	
E-4 - 00 - 07	Provide and Install Surface Mount LED	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	100%	\$ -	\$ 50.00	
E-4 - 00 - 08	Relocate and Install Lights	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 1,500.00	\$ -	
E-4 - 00 - 09	Provide and Install LED Exit Light Lithonia	\$ 1,500.00	\$ 750.00	\$ -	\$ -	\$ 750.00	50%	\$ 750.00	\$ 37.50	
E-5 - 00 - 03	Provide and Install AHU-29 VFD with Built In Safety Disconnect	\$ 16,000.00	\$ 1,600.00	\$ -	\$ -	\$ 1,600.00	10%	\$ 14,400.00	\$ 80.00	
E-5 - 00 - 04	Provide and Install AHU-30 VFD with Built In Safety Disconnect	\$ 16,000.00	\$ 1,600.00	\$ -	\$ -	\$ 1,600.00	10%	\$ 14,400.00	\$ 80.00	
E-5 - 00 - 05	Provide and Install Control Wiring for Motorized Damper	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 3,000.00	\$ -	
E-5 - 00 - 06	Install New Addressable Smoke Detectors	\$ 14,200.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 14,200.00	\$ -	
E-5 - 00 - 07	Install Addressable Control Modules for AHU Shutdown	\$ 1,000.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 1,000.00	\$ -	
E-5 - 00 - 08	Install Relocation of Door Release Module	\$ 21,000.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 21,000.00	\$ -	
	Project Close-out	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 1,500.00	\$ -	
PC-00-05	Punch List and Guaranties	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 1,500.00	\$ -	
	<b>Honeywell</b>	<b>\$ 9,166.00</b>	<b>\$ 6,625.49</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,625.49</b>	<b>0%</b>	<b>\$ 2,540.51</b>	<b>\$ 331.27</b>	
	<b>GENERAL</b>	<b>\$ 4,128.98</b>	<b>\$ 4,029.99</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,029.99</b>	<b>98%</b>	<b>\$ 98.99</b>	<b>\$ 201.50</b>	
M-00-01	Mobilization (3 %)	\$ 274.98	\$ 175.99	\$ -	\$ -	\$ 175.99	64%	\$ 98.99	\$ 8.80	
GC - 00 - 01	Approved Submittals/ Shop Drawings	\$ 3,854.00	\$ 3,854.00	\$ -	\$ -	\$ 3,854.00	100%	\$ -	\$ 192.70	
	<b>NEW WORK</b>	<b>\$ 3,761.00</b>	<b>\$ 2,595.50</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,595.50</b>	<b>69%</b>	<b>\$ 1,165.50</b>	<b>\$ 129.78</b>	
E-5 - 00 - 09	Programming- Fire Alarm	\$ 2,331.00	\$ 1,165.50	\$ -	\$ -	\$ 1,165.50	50%	\$ 1,165.50	\$ 58.28	
E-5 - 00 - 10	Provide New Addressable Smoke Detectors	\$ 720.00	\$ 720.00	\$ -	\$ -	\$ 720.00	100%	\$ -	\$ 36.00	
E-5 - 00 - 11	Provide Addressable Control Modules for AHU Shutdown	\$ 365.00	\$ 365.00	\$ -	\$ -	\$ 365.00	100%	\$ -	\$ 18.25	
E-5 - 00 - 12	Provide Door Release Module	\$ 345.00	\$ 345.00	\$ -	\$ -	\$ 345.00	100%	\$ -	\$ 17.25	
	Project Close-out	\$ 1,276.02	\$ -	\$ -	\$ -	\$ -	0%	\$ 1,276.02	\$ -	
PC-00-14	Punchlist - Guaranties Pack H - Fire Alarm	\$ 326.02	\$ -	\$ -	\$ -	\$ -	0%	\$ 326.02	\$ -	
PC-00-15	Testing	\$ 950.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 950.00	\$ -	
	<b>CONTRACT TOTAL</b>	<b>\$ 1,059,166.00</b>	<b>\$ 767,199.95</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 767,199.95</b>		<b>\$ 291,966.05</b>	<b>\$ 38,360.00</b>	
	<b>SUB-TOTAL CONTRACT TOTAL</b>	<b>\$ 882,547.00</b>	<b>\$ 624,207.27</b>	<b>\$ 31,969.60</b>		<b>\$ 656,176.87</b>		<b>\$ 233,483.25</b>	<b>\$ 32,808.84</b>	
	<b>DEDICATED ALLOWANCE - HVAC</b>	<b>\$ 300,000.00</b>	<b>\$ 239,187.46</b>			<b>\$ 239,187.46</b>	<b>80%</b>	<b>\$ 60,812.54</b>	<b>\$ 11,959.37</b>	
<b>WD-1-001</b>	<b>AirZone RWP-01 HVAC</b>	<b>245,900.00</b>	<b>\$ 239,187.46</b>			<b>239,187.46</b>	<b>97%</b>	<b>6,712.54</b>	<b>\$ 11,959.37</b>	
	<b>GENERAL</b>	<b>\$ 27,254.00</b>	<b>\$ 27,106.46</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 27,106.46</b>	<b>99%</b>	<b>\$ 147.54</b>	<b>\$ 1,355.32</b>	
M-00-01	Mobilization (3 %)	\$ 7,377.00	\$ 7,229.46	\$ -	\$ -	\$ 7,229.46	98%	\$ 147.54	\$ 361.47	
M-00-02	Bond	\$ 7,377.00	\$ 7,377.00	\$ -	\$ -	\$ 7,377.00	100%	\$ -	\$ 368.85	
GC - 00 - 01	Approved Submittals/ Shop Drawings	\$ 12,500.00	\$ 12,500.00	\$ -	\$ -	\$ 12,500.00	100%	\$ -	\$ 625.00	
	<b>DEMOLITION</b>	<b>\$ 32,550.00</b>	<b>\$ 32,550.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,550.00</b>	<b>100%</b>	<b>\$ -</b>	<b>\$ 1,627.50</b>	
M-2 - 00 - 01	Demo & Dispose of Outside Air Duct, Ductwork, Accessories and	\$ 7,200.00	\$ 7,200.00	\$ -	\$ -	\$ 7,200.00	100%	\$ -	\$ 360.00	
M-2 - 00 - 02	Remove & Dispose of AHU-29	\$ 8,500.00	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	100%	\$ -	\$ 425.00	
M-2 - 00 - 03	Remove & Dispose of AHU-30	\$ 8,500.00	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	100%	\$ -	\$ 425.00	
M-2 - 00 - 04	Remove & Dispose of CHW Pipes	\$ 5,750.00	\$ 5,750.00	\$ -	\$ -	\$ 5,750.00	100%	\$ -	\$ 287.50	
M-3 - 00 - 01	Remove & Dispose of Plenum and Linear Diffuser	\$ 2,600.00	\$ 2,600.00	\$ -	\$ -	\$ 2,600.00	100%	\$ -	\$ 130.00	



# Transmittal #48

MCM  
6201 SW 70th Street, Suite 100  
Miami, Florida 33143  
Phone: (305) 541-0000  
Fax: (305) 541-9771

**Project:** 2019-758 - MIA AA Admirals Club  
Miami International Airport  
Miami, Florida

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## RWP #37

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**TO:** Patricia Gomez (Miami Dade Aviation Department)    **FROM:** Leticia Green (MCM)  
6201 SW 70th Street, 2nd Floor  
Miami, Florida 33143

**CREATED DATE:** 03/11/2021

**COPIES TO:**

TRANSMIT:	VIA:	FOR:	ACTION:
Attached	Attached	Approval	

### Transmittal Items

DESCRIPTION	FORMAT	DATE	COPIES
RWP #37	Other	03/11/ 2021	1

### Comments

Emailed 3/11/2021

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**BY** \_\_\_\_\_ **DATE** \_\_\_\_\_ **COPIES TO** \_\_\_\_\_



March 10, 2021

Ms. Patricia Gomez  
Project Manager  
Miami Dade Aviation Department  
P.O. Box 025504  
Miami, FL 33102-5504

Re: MIA – AA Admiral Club's Infrastructure & New Stair  
MCC-X-113-A

**REQUEST FOR WORK ORDER/PROJECT ORDER MODIFICATION #37**

Dear Ms. Gomez:

Enclosed please find our cost breakdown for necessary work to be performed at the subject project. This proposal is for additional work related to the installation of door E-4450-2 (Fire Door). This work consists of closing the space above the door with fire rated wall because it has no transom. Please see the attached breakdown of these costs.

An extension of time is required, please include an extension of **0 days** as part of the additional work.

<u>Subcontractor(s)</u>	<u>Scope of Work</u>	<u>Amount</u>
Fleites Construction Group	See Attached	<u>\$3,773.33</u>

MCC Fee (.0796%):	<u>\$300.36</u>
<b>TOTAL:</b>	<b><u>\$4,073.69</u></b>

The attached subcontractor breakdown has been reviewed by Munilla Construction Management, LLC (MCM) and is found to be in accordance with current industry standards for the task on hand.

Once approval is finalized, please issue a Work Order/Project Order Modification reflecting the above. A change order to the above subcontractor(s) will follow from MCM.

Should you have any questions regarding this matter, please contact me as soon as possible.

Sincerely,

Juan Munilla  
MIA MCC-8-10  
General Manager

Cc: File



**FLEITES CONSTRUCTION GROUP, INC.**

840 Nightingale Ave  
Miami Springs Florida 33166  
CGC031573

Phone: (305) 216-4027

Fax: (305) 885-3851

E-mail: [humberto@fleites621@hotmail.com](mailto:humberto@fleites621@hotmail.com) CSBE Cert. No: 13843 DBE Cert. No: 13840  
March 9, 2021

Mr. Ruben DaGama  
MCM-MCO  
6201 SW 70<sup>th</sup> Street  
Miami, Florida 33143

**Admiral Club Package A**

**Change Order Proposal 003**

Dear Mr. DaGama:

This is a proposal requested by Ruben DaGama to fill the top of the doors 4550-2 including framing, sheetrock and finish. The new scope is as follows:

- 1) Metal frame on top of new doors
- 2) Install drywall, finish and spray to match existing
- 3) Clean

**The Cost: \$3,773.33** (See attached itemized spreadsheet).

Submitted By:  3/9/2021  
Humberto M. Fleites (Contractor/ Project Manager) Date

Approved by: \_\_\_\_\_  
Title Date

COMPANY: Fleites Construction

DATE: 3-Mar-21

REFERENCE: MIA -

MCC-8-10 Admiral Club = Fill above Doors 4550-2

Location:

Description: Phases 3 and 4

		LABOR						
CLASIFICACION	Days	HOURS	Reg. Rate	Burden %	Uniforms	RATE	TOTAL	
Complete Scope								
Foreman	2	16	\$ 37.30	136.00%	\$ 50.73	\$ 50.73	\$ 811.65	
Frame area including carry material to 4th floor								
Carpenter	1	8	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ 384.06	
Carpenter	1	8	\$ 35.30	136.00%	\$ 48.01	\$ 48.01	\$ 384.06	
Finisher	2	16	31.46	136.00%	\$ 42.79	\$ 42.79	\$ 684.57	
Finisher	2	16	31.46	136.00%	\$ 42.79	\$ 42.79	\$ 684.57	
<b>TOTAL LABOR</b>							<b>\$ 2,948.92</b>	

		EQUIPMENTS	
		TOTAL EQUIPMENTS	\$
			-

		MATERIAL		TOTAL	
CLASIFICACION	HOURS / QTY	RATE			
Each	Drywall 5/8"	4.00	13.58	\$	54.32
Each	3 5/8" Tracks 20 gage	2.00	13.64	\$	27.28
Each	3 5/8" Studs 20 gage	7.00	13.64	\$	95.48
Each	5# Drywall Screws	1.00	15.57	\$	15.57
Each	Durabond 45	3.00	13.90	\$	41.70
Each	Joint Compound	1.00	16.03	\$	16.03
<b>MATERIAL TOTAL</b>				<b>\$</b>	<b>250.38</b>
<b>TAX 7%</b>				<b>\$</b>	<b>17.53</b>
<b>TOTAL MATERIAL</b>				<b>\$</b>	<b>267.91</b>

<b>TOTAL</b>	<b>\$</b>	<b>267.91</b>
--------------	-----------	---------------

LABOR	\$	2,948.92
EQUIPMENTS	\$	-
MATERIAL	\$	267.91
<b>SUBTOTAL</b>	<b>\$</b>	<b>3,216.82</b>
O&P 15 %	\$	482.52
<b>TOTAL</b>	<b>\$</b>	<b>3,699.35</b>
Bond 2%	\$	73.99
<b>TOTAL</b>	<b>\$</b>	<b>3,773.33</b>

**Fleites Construction MCC-8-10 Admiral Club = Fill above Doors 4550-2 RWP #37**

	Labor Hour	Labor Rate	Burden %	Burden \$	Uniform	R+B	H*(R+B)		
Foreman	16	\$ 37.30	36%	\$ 13.43	0.00	50.73	811.68		
<b>Frame area including carry material to 4th floor</b>									
Frame area of 7' x 5'	Carpente	8	\$ 35.30	36%	\$ 12.71	0.00	48.01	384.08	
Frame area of 7' x 5'	Carpente	8	\$ 35.30	36%	\$ 12.71	0.00	48.01	384.08	
Labor Ceiling	Labor	16	31.46	36%	\$ 11.33	0.00	42.79	684.64	
Labor Ceiling	Labor	16	31.46	36%	\$ 11.33	0.00	42.79	684.64	
							2,949.12		
<b>Equipment:</b>									
Monthly	Dumpster	0.00	\$	550.00			-		
							-		
<b>Material:</b>									
							0.00		
Drywall 5/8"	Each	4.00		13.58			54.32		
3 5/8" Tracks 20 gage	Each	2.00		13.64			27.28		
3 5/8" Studs 20 gage	Each	7.00		13.64			95.48		
5# Drywall Screws	Each	1.00		15.57			15.57		
Durabond 45	Each	3.00		13.90			41.70		
Joint Compound	Each	1.00		16.03			16.03		
							0.00		
							250.38		
							7%	17.53	
							267.91		
							3,217.03		
							3,217.03		
							OH&P	15%	482.55
							3,699.58		
							Bond 2%	2%	\$ 73.99
							3,773.57		

**Transmittal**

PROJECT NAME MIA – AA Admirals Club Infrastructure and Stair PROJECT No. X113A

FROM Natalie McCudden, PCI TRANSMITTAL No. \_\_\_\_\_

TO Document Control DATE April 15, 2021

REFERENCE MCM Corporation – Executed Project Order Modification (P.O.M.) # 5

We are forwarding to you...

- CORRESPONDENCE
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REMARKS **Please distribute the Fully Executed Project Order Modification as listed below**

SIGNED: Natalie McCudden

Printed Name Natalie McCudden

Distribution: Document Control - Original  
 Virginia Mirabal – MCM  
 Juan Munilla – MCM  
 Mayra Ramirez – MDAD  
 Jorge Gonzalez - MDAD  
 Enrique Perez - MDAD  
 Maribel Westgate – MDAD  
 Vivian Gonzalez – MDAD  
 Juan Paan – MDAD

Patricia Gomez - MDAD  
 Elizabeth Ramos - MDAD  
 Belinda Martin – PCI  
 Natalie McCudden – PCI  
 Bárbara Gonzalez – PCI

Please acknowledge receipt by signing transmittal.

Received by: \_\_\_\_\_