Aviation

Maintenance Department 4200 NW 22 Street, Bldg 3030 Miami, Fl 33159



MIAMI-DADE COUNTY, FLORIDA REQUEST FOR PRICE QUOTATION (RPQ) Contract No: MCC 7040 Plan - CICC 7040-0/07

RPQ No: <u>AA017C-1</u>

This RPQ is issued	under the terms a	nd conditions of t	ne MCC 7040 Pla	n .		
Date Issued: <u>3/5/202</u>	<u>!1</u>	Bid Date Due: 4/7	<u>/2021</u>	Tim	ne Due: <u>02:00</u>	PM
Bid shall be Submitted Via: Sealed Envelope to:						
Name: James P. F	erreira			EMail: <u>J</u>	<u>Ferreira@mia</u>	<u>mi-airport.com</u>
Address: MIA Bldg. 3	<u>3030; 2nd Floor; 43</u>	31 NW 22 St. Mian	ni <u>, FL. 33122</u>	Fax: <u>3</u>	05-869-4782	
RPQ Added: 2/18/20 3/5/2021	21 User Bidder F	Request: 2/26/2021	Bond Adm./ON	IB Approv	/al: 3/5/2021	Bidders Added:
Project Number: <u>AA</u>	<u>017C-1</u>	Estimated Value: (excluding conting	<u>\$2,208,431.25</u> encies and dedica	SB ated allowa	E-Con. Leve inces)	I: <u>SBE-Con. Level 2</u>
Project Name:	MIA Public Restro	om Modernization	South Terminal Gr	<u>oup 1</u>		Emergency: <u>N</u>
Project Location:	MIA South Termin	<u>al</u>				ESP:
Department Contact	: James P. Ferreira	Phone No:	<u>(305) 876-7322</u>	_ Fa	x No : <u>305-86</u>	<u>9-4782</u>
Project Manager: Ac	Irian Portal	Phone No:	<u>305-876-8315</u>	Fa	x No : <u>305-86</u>	<u>9-4782</u>
Document Pickup:	Contact: James	<u>P. Ferreira</u> Pho	one: <u>305-876-732</u>	<u>2</u> Date	: <u>3/22/2021</u>	
Document Pickup:	Location: After	the Pre-bid meeting]_			
	Mandatory	: Date:	Time:		Location	:
PreBid Meeting: <u>Y</u>	<u>Y</u>	<u>3/22/2021</u>	<u>10:00 AM</u>	<u>Conferer</u>	<u>ice Call (see c</u>	<u>details below)</u>
Site Meeting: <u>Y</u>	<u>Y</u>	<u>3/24/2021</u>	10:00 AM	<u>ivieet at </u>	<u>3030 bidg (Co</u>	<u>nf. Room #1)</u>
Type of Contract: Mil	uitiple Trade		Award: <u>Lowes</u>	t Responsi	<u>ble Blader</u>	dan da M
Addition Insurance	ent Bona Requirea Required: V	I: <u>Y</u> BId Bond Addition I	Required: <u>Y</u>	וח: ר 000 פייי יוי	Surance Requ	ured: <u>Y</u>
				n. <u>45,000,</u>		
Clip Funded:	Eunded or reimb	u: <u>N</u> Does the	funding source a	Allow UAP	r M res L	
om runded.				AI	PP: N \$0.	.00
Comm Dist: District @	<u>3</u>	Davis Bac	on: <u>N</u>			<u></u>
Prevailing Wage Rat	te Requirements:	Building Construct	ion SBD Certi	ficate of A	Assurance Fo	orm Required <u>Y</u>
SBE–Con. Requirem	n ents: <u>Y</u> <u>100.</u>	<u>00%</u> Trad	e Set-a-side: <u>N</u>			
SBE-S Requirement	s: <u>N 0.00%</u>		SBE-G Require	ments: <u>Y</u>	<u>2.00%</u>	
DBE Requirements:	<u>N</u>	<u>0.00%</u> D	BE Subcontract	Forms Re	quired: <u>N</u>	
CWP Requirements:	: <u>Y</u>	<u>10.00%</u>				
Trade(s): <u>General</u>	Building Contractor	<u>(Primary) Building</u>	Contractor (Prima	<u>ary)</u> <u>Plum</u>	<u>ber, Master (S</u>	<u>Sub)</u>
Anticipated Start Da	<u>1 Contractor (Sub)</u>	General Mechanic	<u>Calendar Dave</u>	for Projec	t Completion	• 300
Liquidated Damage	s / \$\$ Per day: Y	\$335.49	Mothod of Pove	nont: Sch	eduled Mont	hly Payments
	$\frac{1}{2}$		Method of Fayn	nent. <u>Son</u>		
2000000068- MIAMI SUBPROGRAM	INTERNATIONAL A	AIRPORT (MIA) - R	ESERVE MAINTE	ENANCE		\$2,208,431.25
FUNDING SOURCE:						
SOURCE			<u>PROJE</u>	<u>CT NUM</u>	<u>SITE #</u>	MCC ESTIMATE
Reserve Maintenance	e Fund		200000	0068	<u>#3000091</u>	<u>\$2,208,431.25</u>

Awarded To:	SBE–Con. Exp Date:	F	Paid Amt: <u>\$0.00</u>
Collusion Affidavit Received: <u>N</u> Date Collusion Affidavit Received:			
Base Amt: <u>\$0.00</u>	Cont Amt : <u>\$0.00</u>	Ded Amt: <u>\$0.00</u>	Award Amt: <u>\$0.00</u>
Insurance:	ISD Reviewed:	Date Approved:	GL Ins Exp Dt:
P & P Bond:	Risk Approved:	Date Approved:	WC Ins Exp Dt:
			AL Ins Exp Dt:

Scope of Work: (Contractor must obtain and submit all permits prior to performing any work.)

Scope of Work shall include, but not be limited to: Provide all labor, equipment and materials for the general interior demolition and renovation of ten existing restrooms including new partitions, new floor, wall, and ceiling finishes, new toilet partitions, new vanity counter tops, new toilet accessories, new plumbing systems, new power and lighting systems, and modifications to fire alarm, fire sprinkler, and HVAC systems. The demolition and renovation shall be performed in a minimum of three phases. CONTRACTOR shall review all documents, specifications, and scope of work provided by Miami-Dade Aviation Department (MDAD) for work to be completed. Please refer to the Plans & Technical Specifications for further description of the scope of work.

Contractors must agree to perform all work in accordance with the scopes of work established by MDAD, the MCC 7040 contract's terms and conditions, all required permits and inspections and all applicable federal, state and local laws, codes and regulations. Any minor variation in the scope of work that is necessary to complete the intended work shall be considered incidental and will not warrant additional compensation. Any major variation encountered in the scope of work that is necessary to complete the intended work will be additional work and will be compensated through a contingency allowance account, dedicated allowance account, or change order. However such major variation shall be completed without delay. Contractor shall use an adequate number of qualified workers who are thoroughly trained in the techniques required to properly complete the work specified. Contractor will own or have access to the equipment necessary and to meet all safety, insurance, and technical requirements of the owner and local, county, state, and federal regulating authorities. The grand total bid price shall be reflected on the RPQ Bid Form – Attachment 5A.

LICENSE:

Note: Pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, selected Contractors must possess a valid, current, and active State of Florida and/or Miami-Dade County contractor's license issued by the County's Construction Trades Qualifying Board and which is consistent with the requirements of their respective trade and the scope of work.

RESPONSIBLE WAGES:

Prospective bidders are notified that Responsible Wages and Benefits requirements apply to this Request for Price Quotation (RPQ), therefore all labor rates shall not be less than those contained in the Wage and Benefits Schedule in effect as of January 1st of the year the work is performed. Prospective bidders are responsible for taking into consideration all applicable Ordinances and/or Regulations in force at the time of the bid, such as Responsible Wages, that may affect unit prices.

BID BOND AND PERFORMANCE & PAYMENT BOND:

Prospective bidders shall submit a Bid Bond at the time of Bid submission. Bidders may use the Surety Company standard bid bond. Alternatively, a certified or cashier's check will be acceptable in lieu of the bid bond.

The Performance & Payment (P&P) bond must be submitted, using the contract specified form, within ten (10) working days from receipt of the Recommendation for Award (RFA) or time extension approved by the MDAD project manager. The P&P bond shall be required for the full contract amount. P&P Bond shall be submitted once the low "responsive and responsible" bidder is determined and the Recommendation for Award is issued.

MDAD ENVIRONMENTAL POLICY:

Compliance with the Aviation Department (MDAD)'s Environmental Policy, ISO 14000 certification and Commissioning requirements will be strictly enforced by the MDAD PM. These requirements will be discussed during the mandatory prebid meeting. The awarded bidder shall comply with all requirements listed on the project plans, specifications and/or distributed separately following the mandatory pre-bid meeting.

SAFETY:

The awarded contractor is responsible for the safety and security of the job site. Any vandalism, theft, etc. which occurs during the construction time is the responsibility of the contractor. No monetary compensation shall be granted if any of the above occurs. If Contractor opts to hire an independent Security Company, such company is to be properly bonded and insured. Contractors shall provide an established safety program and implementation policy. Contractors' safety programs shall be reviewed and approved by MDAD post-bid submittal and work orders shall not be issued to any contractor until their safety program is approved by MDAD.

LIQUIDATED DAMAGES:

If the awarded contractor shall neglect, fail, or refuse to complete the work within the time specified for Substantial Completion in the Notice to Proceed (NTP), then the contractor hereby agrees, as part of the consideration for the awarding of this Contract, to pay to the Owner, as liquidated damages and not as a penalty, the sum of \$335.49 per day for each calendar day beyond the dates set forth in the NTP and/or Work Order(s). The said amount is fixed and agreed on by and between the Contractor and the Owner because of the impracticability and extreme difficulty of ascertaining the true value of the damages which the Owner will sustain by failure of the Contractor to complete the Work on time, such as loss of revenue, service charges, interest charges, delays caused to other construction activities of Owner by failure to perform this Contract, and other damages, some of which are indefinite and not susceptible of easy proof. Said amount is agreed to be a reasonable estimate of the amount of damages which the Owner will sustain and said amount shall be deducted from any monies due or that may become due to the contractor, and if said monies are insufficient to cover said damages, then the Contractor shall pay the amount of the difference. Substantial completion does not relieve the contractor of completing the project in its entirety, nor does it obligate the owner to pay the entire contract price. Final acceptance is achieved when a Certificate of Completion (i.e., if required), acceptable warranties, final payrolls, final releases or acceptable Consent of Surety and documentation required in the contract documents has been submitted for approval to the MDAD project manager.

SECURITY REQUIREMENTS:

Valid MDAD identification (ID) badges with a U.S. Customs Seal will be required as well as vehicle decals to enter airside. The selected contractor and their employees must comply with all MDAD security requirements including background checks, security badges, specialized aviation-related insurance requirements, etc. MDAD may, at its sole discretion, consider making these security-related expenses reimbursable.

Upon the award, the awarded contractor will have up to sixty (60) calendar days to provide a copy of the security badges with the Customs Seal to MDAD/MPEC Division. If the Contractor fails to secure and provide a copy of the required Badges with the Customs Seal after thirty (30) calendar days following the issuance of the NTP, Contractor may be terminated for default as established in Section 1 of the General Terms and Conditions, Article 1.20 (Termination for Default) of the MCC 7040 contract.

UTILITY CLEARANCES & SHUTDOWNS:

The awarded contractor shall be responsible for obtaining all utility clearances and coordinating all utility shutdowns at least 14 working days before initiating any work. Damage to existing equipment, utilities, MDAD or its business partners' property, etc. will be repaired and/or replaced at the contractor's expense. MDAD forms and procedures to obtain utility clearances and/or coordinate shutdowns will be distributed following the mandatory pre-bid meeting.

REQUEST FOR INFORMATION:

All requests for information (RFIs) shall comply with the Cone of Silence, Administrative Order 3-27 and shall be directed in writing to the MDAD project manager with a copy to the Clerk of the Board (clerkbcc@miamidade.gov). The deadline to submit RFIs is no later than five (5) working days before the bid opening date and time specified on the RPQ and Invitation to Bid. MDAD will issue all changes and/or clarifications to the RPQ in writing via an Addendum. Verbal statements made by the County or the Owner's Representative that are not contained in the RPQ or Addendum are not binding on the County and do not form any basis for a bidder's response to a RPQ.

MINIMUM QUALIFICATIONS AND EXPERIENCE:

The selected SBE-Construction contractor must possess:

1. Contractors must be certified SBE-Construction and registered to participate in the MCC 7040 Plan with ISD's Procurement Management Division;

2. Contractors must hold a valid license required to perform work in the following trade: General Contractor License.

3. Contractors must have a minimum of 5 years' experience performing work in their specific trade. In the event a new firm is established by executives, supervisors and other senior field staff (key employees) that would have met these minimum experience requirements with a prior firm, MDAD reserves the right to qualify the new firm, based on MDAD's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm.

4. Contractors must be able to demonstrate that their firm or its key employees, as described above, have experience performing their respective trade within the company's noted history. Specifically contractors must submit proof that their respective firms have been regularly and successfully engaged in work related to their specific trade for a minimum of one (1) year. These requirements shall be based on projects completed prior to the submission date. Contact information for projects and/or firms submitted as proof of experience shall be provided by prospective contractors as part of their bid package. MDAD will confirm the listed experience by calling the firms' owners or representatives. Should such evidence not be satisfactory to MDAD, whose decision shall be final, the submission will be considered non-responsive. The qualifying proof with names and phone numbers shall be submitted in a sealed envelope at the time of bid.

5. Contractors must have a minimum average total score of 3.0 in their Contractor Performance Evaluations in ISD's Capital Improvements Information System (CIIS). In the event a new firm has been created that does not have evaluations in the CIIS, the firm that previously employed the key employees of the new firm must have had a minimum average total score of 3.0 in the CIIS Contractor Performance Evaluation Module or the new firm must provide, to

MDAD's satisfaction, documentation that the new firm has performed satisfactorily on similar projects within their respective trade. Further, any incidence of project delays in a contractor performance evaluation must be justified to the satisfaction of MDAD.

INDEMNIFICATION & INSURANCE:

Contractor is required to have proper insurance to cover ongoing work on the job site. The Contractor shall furnish certificates of insurance and insurance policies to the Owner prior to commencing any operations under this Contract. Certificates and policies shall clearly indicate that the Contractor has obtained insurance, as required for strict compliance with this specification. Compliance with the foregoing requirements shall not relieve the Contractor from liability under any other portion of this Contract. The Contractor shall be responsible for assuring that the insurance certificates required in conjunction with this section remain in force for the duration of the agreement. See attached for indemnification and insurance requirements.

CERTIFICATE OF ASSURANCE:

Bidders must submit a completed Certificate of Assurance (COA) along with the Bid Submittal Package identifying the Small Business Enterprise (SBE) measure. By submitting a completed COA the bidder acknowledges the Small Business Enterprise (SBE) measures applied to the project and agrees to submit, upon notification by SBD or the Miami-Dade County Business Management Workforce System (BMWS), a Utilization Plan via BMWS listing all certified SBE contractor(s) to be utilized to satisfy the measures on the Project, indicating the percentage of work and the description of the work to be performed (pursuant to the firm's certification), within the specified time frame, before the Utilization Plan may be submitted to SBD for approval. Bidders can confirm a SBE-CON certification via BMWS at http://mdcsbd.gob2g.com/.

Place the completed COA(s) on top of the bid package so that it can be readily identified by the Department during the bid opening.

MANDATORY PRE-BID MEETING & SITE VISIT:

Since a conference call does not require a physical presence, social distancing practices for COVID-19 are being adhered to. Bidders are still required/responsible for participating in the MANDATORY conference call. Failure to participate in the MANDATORY conference call shall result in the corresponding contractor/company being considered non-responsive. Contractors are extremely encouraged to call 5 minutes before the scheduled meeting time for a roll call. Late arrivals to the conference call shall result in the contractor/company being considered non-responsive.

The conference call will be recorded.

The dial-in instructions for the conference call are described below:

- Dial in: 305-876-8333
- Meeting ID: 5762555
- Passcode/Pin: 5869

The agenda for the pre-bid conference call meeting will be sent to you via email to be used during the meeting. Make sure you receive it, if not, please check your junk email or contact our office.

Bidders are responsible for attending the mandatory pre-bid meeting conference call and site visit.

BID BOX:

The bid box is located in the hallway between Conference Rooms B-205 and B-209 in MIA Bldg. 3030, B-Wing, 2nd Floor. If the time clock adjacent to the bid box is unable to stamp the bid envelope due to its thickness, please see Ms. Silvia Perez, Mr. Ultimo De Oliveira or any MDAD representative at MIA Building 3030 to have bid envelopes signed, dated and timed prior to dropping them in the box.

BID SUBMITTAL:

All potential bidders are hereby notified that bids for this project must reflect a lump sum amount. The lump sum amount shall be indicated on the MCC-7040 Attachment 5A Bid Form. All quantities provided with the bid documents are estimated quantities based on the project scope of work. It is the bidder's responsibility to confirm any and all estimated quantities or amounts reflected on the bid documents to generate a "responsive and responsible" bid. Errors, omissions and/or discrepancies in quantities shall be brought-up to the attention of the MDAD team via the request for information (RFI) process during the bidding phase. Failure to confirm estimated quantities shall not constitute grounds for subsequent change orders. The lump sum bid amount shall be all inclusive to complete the work scope reflected on the construction bid documents. Bidders are responsible for all costs related to permitting, preparation of required shop drawings, special inspections, preparation of as-built drawings, close-out documentation and/or any engineering certificates required.

Contingency Allowance Account: for unforeseen conditions, construction changes, for additional work or materials not covered by other proposal items and for quantity adjustments, if ordered by the MDAD PM.

This account item is for all labor, materials, equipment and service necessary for modification or extra work required to complete the Project because of unforeseeable conditions, unforeseeable conflicts between existing elements of work

and the proposed work; for minor changes required to resolve any unforeseeable conditions, Revised Regulations, Technological and Products Development, Operational Changes, Schedule Requirements, Program Interface, Emergencies and other miscellaneous costs; all if ordered by the MDAD PM. The Contingency Allowance Account is ten percent of the lump sum amount submitted in the RPQ Bid Form - Attachment 5A.

Payment to the CONTRACTOR under this item will only be made for work ordered in writing by the MDAD. Any portion of this fund remaining after all authorized payments have been made will be withheld from Contract Payments, and will remain with the County. If one account has been depleted and funds are available in the other accounts the MDAD PM may use some of the available funds to complete the Project.

Dedicated Allowance Account: for other unforeseen conditions (permitting, plan revisions, existing utility relocations, utility company service fees), construction changes and for quantity adjustments. The Dedicated Allowance Account is fixed at \$110,000.00. Any portion of this fund remaining after all authorized payments have been made will be withheld from Contract Payments, and will remain with the County. If one account has been depleted and funds are available in the other accounts the MDAD PM may use some of the available funds to complete the Project.

Bid Documents shall be distributed following the MANDATORY Pre-Bid Meeting (see date and time above). Bid Documents must be submitted in a sealed envelope. The bidder's name, address, the project name and the RPQ number must be indicated on the outside of the envelope. The sealed envelope shall include, at a minimum, the following documents:

1. Bid price using Bid Form-Attachment 5A.

2. Bid guarantee in the form of a bid bond, certified check, or cashier's check. Failure to include a bid bond/ guarantee shall render the bid non-responsive.

3. Fully executed Fair Wage Affidavit and Affirmation of Vendor Affidavits.

4. Any and all applicable Addenda documents (fully executed and dated) issued during the bidding phase.

5. Internal Services Department (ISD) Division of Small Business Development's (SBD) Certificate of Assurance (COA) Form.

All potential bidders are hereby notified that failure to submit the completed Bid Form – Attachment 5A reflecting the bid amount and bidder information, COA, and/or the bid bond/guarantee will not constitute a curable deficiency and shall render the bid "non-responsive." Failure to include the Fair Wage and/or Affirmation of Vendor Affidavits, Addendum or other similar forms due with the bid shall be considered curable deficiencies. Bidders will be allowed to cure these deficiencies within deadlines established by MDAD staff.

Recommendation for Award is contingent to availability of proper funding.

SCHEDULE OF VALUES:

During the due diligence evaluation of bids MDAD may request bidders to submit a detailed and itemized schedule of values (SOV) before the award process is completed for review and acceptance by the MDAD team. Schedule of value should show the complete breakdown of labor, material and equipment for all categories of the work to be performed by building. Work scope deductions and associated costs, if needed, will be based on the accepted SOV. The Owner may require further breakdown and additional line items following review of the CONTRACTORS' submittal and/or at any time throughout the duration of the project.

CONSTRUCTION PROGRESS SCHEDULE:

The contractor, within seven days of the Recommendation for Award or time extension granted by the MDAD PM, shall submit a "Construction Progress Schedule" and the final "Schedule of Values" as follows:

The Construction Progress Schedule shall be in a bar chart format with separate bars for each trade, activity and operation on each building, structure and improvement. Include all trades required for completion of project in activities of schedule. Identify the first workday of each week. Provide electronic copy of schedule or submit via E-mail to the MDAD PM. Updated schedules shall be provided with each application for payment. Updated schedules must reflect all changes since previous submittal. Failure to submit updated schedule may be cause for withholding payment to contractor. Activities detailed within construction schedule shall correlate with all items listed within Schedules of Values. OWNER will review and return schedule (approved or rejected) to Contractor. Construction may not begin until OWNER has reviewed and approved in writing of Contractor proposed schedule.

DAILY LOG:

CONTRACTOR shall maintain a daily log (report) of activity at job-site. Reports will be submitted to the MDAD project manager upon request. Daily reports shall be submitted to the Construction Supervisor at the stipulated progress meeting(s). FAILURE TO SUBMIT DAILY REPORTS AS STIPULATED ABOVE MAY RESULT IN PAYMENT DELAYS. Contractor will be responsible for all his work until accepted by the MDAD. Any damage to any newly completed or in progress work will be the sole responsibility of the contractor to fix at no additional cost to the owner. No time extension will be granted for any delays related to such damages. All existing finishes and areas disturbed by CONTRACTOR will be repaired and or replaced to original condition as directed by OWNER.

The MDAD project manager will schedule and host progress meetings throughout the duration of the project. The contractor shall attend each meeting with major subcontractors, contractor's project manager, and job superintendent and supplier representatives. Attendants noted above shall cooperate with the MDAD PM to ensure that meetings are held on a timely manner. One of the progress meetings may be designated as a monthly payment requisition review meeting.

PERMITS:

CONTRACTOR is responsible for obtaining all applicable permits and paying all related fees needed to begin and complete all phases of work within the plans. It shall be the contractor's responsibility to ensure that all required regulatory or proprietary permits are obtained prior to commencement of work. Copies of all permits shall be submitted to MDAD PM prior to commencing work. CONTRACTOR is responsible for obtaining all permits and inspections required to complete project. The CONTRACTOR, prior to final requisition for payment, shall obtain and submit a Certificate of Completion and/or Certificate of Occupancy (i.e., if applicable) to the MDAD PM.

CONTRACTOR shall provide all construction administration services and related costs required for all permits and preparation of all required shop drawings, review, field inspections, as-built, change order review, and close out documents, engineering certificates as required

SHOP DRAWINGS AND SAMPLES:

The contractor shall submit two (2) copies of all Shop Drawings, catalog cut-sheets and samples (submittals) required. Samples (as applicable) shall provide full range of manufacturer's standard colors, textures, and patterns for selection. All color and finish selections must be submitted by the contractor in a single submittal, properly labeled and identified.

The contractor shall maintain a set of construction drawings on site reflecting all changes, revisions, approved RFIs and/or directives applicable to the changes/modifications. All changes, revisions and/or modifications shall be clearly marked in red on the said drawings before requesting pencil draft walkthrough inspections for processing of payment requisitions. The marked set of drawings shall be readily available at the project site upon request by the MDAD project manager and/or its authorized representative(s).

AS-BUILTS:

CONTRACTOR shall provide THREE (3) HARD COPIES and/or THREE (3) CAD COPIES on CD of SIGNED and SEALED as-built drawings at completion of work. Use the latest version of CAD compiled format. X-REF files are not acceptable. Final requisition for payment will not be processed without submittal and acceptance of as-built drawings. CONTRACTOR shall maintain updated Red line as-built at the jobsite for review as part of the Monthly Requisition review meeting. All projects must have an As-Built completed, received, reviewed and approved by the Miami-Dade Aviation Department prior to authorizing final payment to the consultant or contractor. As-Built shall be Signed and Sealed by a Professional Land Surveyor or Professional Engineer.

SBD Requirements:

SBE-Goods subcontractor Goals can be met by 1st, 2nd and 3rd Tier Subcontractor. NIGP 15010 Construction Materials (Not Otherwise Classified) NIGP 15000 BUILDER'S SUPPLIES NIGP 28000 ELECTRICAL CABLE AND WIRE, NOT ELECTRONIC NIGP 28500 ELECTRICAL EQUIPMENT AND SUPPLIES, EXCEPT CABLE AND WIRE NIGP 65800 Pipe and Tubing and NIGP 65900 Pipe and Tubing Fittings NIGP 15000 Builder's Supplies NIGP 28000 Electrical Cable and Wire, Not Electronic NIGP 28500 Electrical Equipment and Supplies, Except Cable and Wire NIGP 28700 Electronic Equipment, Components, Parts, and Accessories NIGP 67000 Plumbing Equipment, Fixtures, and Supplies

Design Drawings Included: <u>Y</u>	Shop Drawings Included: <u>N</u>	Specifications Included: <u>Y</u>
Project Qualifier: Ana Finol, P.E.	Phone No: <u>305-876-8310</u>	EMail: <u>AFinol@miami-airport.com</u>

Comments:

EMPLOY MIAMI-DADE PROGRAM

In accordance with Section 5.02 of the Miami-Dade County Home Rule Amendment and Charter, Section 2-8.1 of the Code of Miami-Dade County, and Administrative Order No. 3-63, all contractors and subcontractors of any tier on (i) construction contracts valued in excess of one million dollars (\$1,000,000) for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of one million dollars (\$1,000,000) for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land. The awarded Contractor is hereby notified that the County will consider whether the Contractor made its best reasonable efforts to promote Employ Miami-Dade on this contract, as defined in A.O. 3-63, as part of the County's evaluation and responsibility review of the Contractor for new County contract awards.

RESIDENTS FIRST TRAINING AND EMPLOYMENT PROGRAM

In accordance with Section 2-11.17 of the Code of Miami-Dade County and Implementing Order No. 3-61, all contractors and subcontractors of any tier on (i) construction contracts valued in excess of \$1 million for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of \$1 million for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land shall comply with the following: (i) prior to working on the project, all persons employed by the contractor or subcontractor on the project to perform construction have completed the OSHA 10-hour safety training course, and (ii) the contractor will make its best reasonable efforts to have 51% of all construction labor hours performed by Miami-Dade County residents.

In accordance with Miami-Dade County Implementing Order 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.

Pursuant to Section 2-8.10 of the Code of Miami-Dade County, this Contract is subject to a user access fee under the County's User Access Program (UAP) in the amount of two percent (2%). All construction services provided under this contract are subject to the 2% UAP. This fee applies to all Contract usage whether by County Departments or by any other governmental, quasi-governmental or not-for-profit entity. From every payment made to the Contractor under this contract (including the payment of retainage), the County will deduct the two percent (2%) UAP fee provided in the ordinance and the Contractor will accept such reduced amount as full compensation for any and all deliverables under the contract. The County shall retain the 2% UAP for use by the County to help defray the cost of its procurement program. Contractor participation in this pay request reduction portion of the UAP is mandatory.

Provided, however, UAP shall not be applicable for total contract values, inclusive of contingency and allowance accounts, of less than five hundred thousand dollars (\$500,000.00).

All Projects, where the prices received are in excess of \$200,000 will require the submission of the Payment and Performance Bond as required by State of Florida Statute.

COMMUNITY WORKFORCE PROGRAM

Prior to entering into a contract and according to the Miami-Dade County Code §2-1701 and amended by Ordinance 13-66, the successful bidder on a construction contract subject to a Community Workforce Program (CWP) goal, must submit to Small Business Development (SBD) through the contracting officer a workforce plan outlining how the CWP Additional information is available the website qoal will be met. at Countv's at http://www.miamidade.gov/business/contract-requirements.asp#0.

Contractor must submit a Workforce Plan to the Miami-Dade County Internal Services Department, Small Business Development Division within fifteen (15) days of notification of award of the contract. The County will not enter into the contract until it receives the contractor's Workforce Plan and deems the Plan acceptable. The Workforce Plan forms may be obtained on the County's website at <u>http://www.miamidade.gov/business/contract-requirements.asp#0</u>.

PUBLIC RECORDS AND CONTRACTS FOR SERVICES PERFORMED ON BEHALF OF MIAMI-DADE COUNTY:

The Contractor shall comply with the Public Records Laws of the State of Florida, including but not limited to,: (1) keeping and maintaining all public records that ordinarily and necessarily would be required by Miami-Dade County (County) in order to perform the service; (2) providing the public with access to public records on the same terms and conditions that the County would provide the records and at a cost that does not exceed the cost provided in Chapter 119, F.S., or as otherwise provided by law; (3) ensuring that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; and (4) meeting all requirements for retaining public records and transferring, at no cost, to the County all public records in possession of the Contractor upon termination of the contract and destroying any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements upon such transfer. In addition, all records stored electronically must be provided to the County in a format that is compatible with the information technology systems of the County. Failure to meet any of these provisions or to comply with Florida's Public Records Laws as applicable shall be a material breach of the agreement and shall be enforced in accordance with the terms of the agreement.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (305) 375-5773; ISD-VSS@MIAMIDADE.GOV; 111 NW 1 STREET, SUITE 1300, MIAMI, FLORIDA 33128

MIAMI-DADE COUNTY, FLORIDA



RPQ ADDENDUM

Addendum No.:	1	Date:	3/31/2021
Project No.:	AA017C-1	Project Title: MIA Modernization Sour	Public Restroom th Terminal Group 1
RPQ No.:	AA017C-1	RPQ Due Date:	4/7/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

This Addendum serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Joaquin Esquivia of Conbuild, LLC, received on 3/23/2021, 3:08PM.

- Q.1 Could you please send the plans with better resolutions, they are very fuzzy, and some numbers and letters are very confusing?
- A.1 After executing and providing the Non-Disclosure Agreement (NDA), a higher resolution version of the plans can be saved to a contractor-provided thumb drive.

Lourdes Carcache of Allied Contractors, Inc., received on 3/30/2021, 3:54PM.

- Q.2 After reviewing the plans and specs, no contact information could be found referencing the Privacy Systems US toilet partition manufacturer. Please provide more information in this regard. (Contact person, email, telephone number)
- A.2 Thomas F. Minisce Turning Point Industries Privacy Systems.US <u>tpiflorida@comcast.net</u> 239-340-1942

David Blitch of MCQ Construction Services, Inc., received on 3/31/2021, 9:10AM.

- Q.3 The Project plans cannot be scaled and they are very difficult to read. Please have the plans re-loaded, full size, in order for them to be scaled and read.
- A.3 Refer to A.1 above.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign: _____

littor

Signature: _____

MIAMI-DADE COUN	NTY, FLORIDA	Aviation Mainte 4331 NW 2	enance Department 2 Street. Bldg.3030 Miami, FL 33102
	RPO ADDEND	UM	305.876.8322
	× ×		
Addendum No.:	2	Date:	4/5/2021
Project No.:	AA017C-1	Project Title: MIA Modernization Sou	Public Restroom th Terminal Group 1
RPQ No.:	AA017C-1	RPQ Due Date:	4/16/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

• Change Bid Due Date from Wednesday, 4/7/2021 to Friday, 4/16/2021.

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Lourdes Carcache of Allied Contractors, Inc., received on 3/31/2021, 5:11PM.

- Q.1 Due to the added step of requiring all subs to Sign the NDA (SSI) Forms it has delayed the process of receiving quotes for this project. With that being said, can a bid date extension be issued?
- A.1 As mentioned above, Addendum #2 extends the bid due date to Friday, 4/16/2021.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign:

Title:

Signature:

Aviation Maintenance Department MIAMI-DADE COUNTY, FLORIDA 4331 NW 22 Street. Bldg.3030 **Miami, FL 33102** 305.876.8322 MIAMIDADE COUNTY **RPQ ADDENDUM** Addendum No.: 3 Date: 4/12/2021 Project No.: AA017C-1 Project Title: MIA Public Restroom Modernization South Terminal Group 1

Project Location: MIA South Terminal

AA017C-1

RPQ No.:

Project Manager: A. Portal

4/23/2021

RPQ Due Date:

• Change Bid Due Date from Friday, 4/16/2021 to Friday, 4/23/2021.

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Joaquin Esquivia of Conbuild, LLC, received on 3/31/2021, 3:07PM.

Q.1	Can contractors use the work area to store materials and equipment during construction?
A.1	Yes, at contractor's risk. Any restrictions will be discussed and finalized at the pre- construction meeting.
Q.2	Will contractor be allowed to use toilet inside the facility, or are contractors required to have portable toilets? if so, please provide designated location?
A.2	Public restrooms are available for use inside the facility.
Q.3	For estimating purposes, can MDAD designate the location for the dumpster or at least indicate which elevators and gate are available to locate and access the dumpster. This affects the labor travel costs for demolitions.
A.3	Locations for the dumpster will be discussed and determined at the pre-construction meeting.
Q.4	Are there requirements to enclose the dumpster: barricade, fencing, silk.
A.4	Dumpster requirements depend on the accepted location which will be discussed and determined at the pre-construction meeting.

Q.5	Confirm MDAD will pay for all permit fees GC and Subs? Or contractor will be reimbursed?
A.5	The actual cost of the permits will be reimbursed from the dedicated allowance. All other costs should be included in the bidder's base bid.
Q.6	What is the status of the plans revision to obtain the building permit?
A.6	There are no plan revisions. Plans are dry-run approved. See Attachment #22 in the Bid Documents for more information.
Q.7	Is a pre-Test for existing HVAC system required?
A.7	Perform pre-test for supply and exhaust for each group restroom. (each grill)
Q.8	Will Test and Balance be required? If so, clarify the extend of areas to T&B per phases.
A.8	After job completion, test & balance required for supply and exhaust for each group restroom. (each grill)
Q.9	Will MDAD hire a third-party consultant to perform floor moisture testing or who is responsible for floor testing if required?
A.9	Contractor is responsible for hiring a moisture testing consultant.
Q.10	Confirm that 5 Million liability insurance is required for this project?
A.10	Refer to the Indemnification and Insurance page in the Project's Solicitation Documents (page 18 of the PDF file).
Q.11	Clarify if Custom CBP badges are required for this project?
A.11	Since the Work will be on both landside and airside, the employees from the awarded contractor, as well as its subcontractors (if applicable), shall obtain MDAD identification badges including the CBP seal and comply with all MDAD security requirements, background checks, security badges, etc.
Q.12	Since the project estimate amount is more than \$500,000, please clarify if the 2% UAP fee will be deducted on each payment up to the total contract base bid.
A.12	Yes, as long as the base bid is above \$500,000, the 2% UAP deduction does apply.

- Q.13 Please clarify if the Inspector General IG fee will be deducted in this contract in a percentage equal to 0.25% of the total contract including allowance and contingency from each payment.
- A.13 As described in the 7040 contract: "Inspector General pursuant to Section 2-1076 (c) (6) of the County Code, the cost of random audits shall be incorporated into the contract price of all contracts and shall be one quarter (1/4) of one (1) percent of the contract price."
- Q.14 Since project duration is until 2022, will owner provide allowance for escalation in prices of materials?
- A.14 Allowance for escalation in prices of materials will not be provided.
- Q.15 Since project duration is until 2022, will owner provide allowance for escalation in labor costs?
- A.15 Allowance for escalation in labor costs will not be provided. All Contractors shall comply with the latest Responsible Wages & Benefits requirements. For more information, refer to:

https://www.miamidade.gov/smallbusiness/responsible-wages-and-benefits.asp

- Q.16 Will partial TCO be approved to use each phase when finished?
- A.16 Yes. The use of finished toilets upon completion of phase is required. Phase is not deemed completed until the restrooms are available for use by the public.
- Q.17 Clarify how will warranty work in this project, since phase 1 will finish earlier than phase 2 and 3, there will be progressive portions of the project turn to Owner for use and last bathroom will finish 1 years after the first was completed? Will the owner accept the one-year warranty per bathroom?
- A.17 Date of beginning of time of warranty will be the date of Substantial Completion. Refer to Section 01740 of the Technical Specs. Please note that the construction duration for the entire project is 390 days.
- Q.18 What are the working hours for this project?
- A.18 There is no limit for the working hours (24 hours per day), but the working hours will be discussed and finalized at the pre-construction meeting. Deliveries of equipment and materials should be scheduled after hours to avoid disturbing the airport operations. It is possible for demolition work to be done during the day, but if it is deemed disruptive to the TSA security checkpoint or the airlines nearby, it might have to be done during off hours including midnight.

- Q.19 Does contractor and subcontractors need to upload the certified payrolls on a weekly basis in the BMWS-LCP Tracker system?
- A.19 Each contractor and every low-tier subcontractor is required to submit all certified payrolls and labor compliance documentation electronically by the 10th of every month for the previous month using LCP Tracker, a web-based Certified Payroll Management System (www.lcptracker.net). The system is managed by Small Business Development ("SBD"), a division of the Internal Services Department. The use of the system is mandatory, pursuant to Miami-Dade County Ordinance No. 18-33. The only aspect of this procedure that has been modified is that before the certified payrolls would be submitted through hard copy whereas now Miami-Dade County has moved to a web-based submission. Contractors have always had to submit payrolls even when no physical work was ongoing. This requirement is due once a month by the 10th of every month.
- Q.20 Does subcontractors need to upload payrolls into LCP tracker system after first day of work regardless of if no work was performed in following weeks, or can subcontractor upload the payroll information only for the weeks were performed. Please note that if subcontractor must upload on a weekly basis is an additional overhead cost for a cero payroll period. This cost could be a huge burden on a weekly basis since there are approximately 52 weeks for 365 days project duration. Not all subcontractors will be working concurrently in this project. Please clarify.
- A.20 Refer to A.19 above.
- Q.21 Clarify the sequence of the construction phases for each restroom.
- A.21 Sequence of the construction phases for each restroom will be discussed and finalized at the pre-construction meeting.
- Q.22 Provide detail for the temporary partition requirements.
- A.22 See attached "Detail SK-101 for Addendum #3".
- Q.23 Provide specs for waterproof membrane is required for floor tiles.
- A.23 5mm thick, liquid applied, product equal to Laticrete 9235. Confirm compatibility with grout / adhesive to be used.
- Q.24 Please provide specs for the stainless-steel doors & frames.
- A.24 See attached "Stainless Steel Doors & Frames Description for Addendum #3".
- Q.25 Provide hardware schedule per door type.
- A.25 See attached "Door Hardware Description for Addendum #3".

Q.26	Provide dimensions for the stainless-steel veneer.
A.26	See A.24 above.
Q.27	Provide specs (manufacturer, model, finish) for the aluminum expansion joint as per detail 3 sheet A-503.
A.27	See attached "Interior Wall & Ceiling Cover Details for Addendum #3" for basis of design manufacturer, model, etc. FCF-200.
Q.28	Provide specs (manufacturer, model, finish) for the expansion joint cover as per detail 4 sheet A-503.
A.28	See attached "Floor Cover Details for Addendum #3" for basis of design manufacturer, model, etc. GSFT-200.
Q.29	Please confirm that Toilet compartment system color is Chilled Earth Panels F922 Polished both sides or can be substituted as per Specs section 10170 2.01 B allows for substitutions.
A.29	Substitutions will be reviewed by MDAD and Architect. Time extension will not be granted for substitution reviews.
Q.30	Please confirm that Toilet compartment system and components shall be LINEA RETTA (Privacy Systems) by Turning Point Industries of Florida. Or can be substitutions as per Specs section 10170 2.02 B allows for substitutions.
A.30	Substitutions will be reviewed by MDAD and Architect. Time extension will not be granted for substitution reviews.
Q.31	Provide specs for epoxy terrazzo flooring label FTER-1, FTER-2.
A.31	See Finish Schedule, drawing box 1, sheet A-601 of Plans, Mark FTER-1 & FTER-2.
Q.32	Clarify if wood backing is acceptable as per Specs Section 06100 3.03.
A.32	Per Florida Building Code, combustible materials are allowed in the existing Terminal Building for blocking such as for handrails, millwork, cabinets and window and door frames. There is no mention of supports for plumbing fixtures or other components.
Q.33	Clarify in what areas or product is application Specs SECTION 06400 ARCHITECTURAL WOODWORK?
A.33	Void Specifications Section 06400, Architectural Woodwork.

Q.34	Confirm that bench and baby changing stations are same materials and color as toilet partitions.
A.34	See Finish Schedule, drawing box 1, sheet A-601 of Plans, Mark PT-1.
Q.35	Sheet A-108 depict to polish existing terrazzo, but also there are reference notes to install new terrazzo. Please provide detail clarifying areas with new and areas to polish existing terrazzo.
A.35	See attached "Revised Sheet A-108 for Addendum #3". Remove existing terrazzo, provide new terrazzo FTER-2 in all areas shown on Revised Sheet A-108.
Q.36	Sheet A-401 depicts ceiling gypsum as Dens Armor Plus, but sheet A-503 depicts ceiling Dens Glass. Please clarify shall we use.
A.36	Use Dens Armor Plus. Void use of Dens Glass.
Q.37	Due to delays in price proposals from subs and vendors, can MDAD consider extending the bid for one more week after this response's clarifications are received.
A.37	As shown above, Addendum #3 extends the bid due date to Friday, 4/23/2021.

Joaquin Esquivia of Conbuild, LLC, received on 3/31/2021, 5:51PM.

Q.38	Sheet A-401 wall types E, F and H depicts insulation 3" in a 6" framing wall. Please confirm the insulation is 3" thick.
A.38	Insulation shall be 6 inches thick.
Q.39	Confirm that fire dampers are existing as per sheet M-200.
A.39	Fire dampers are new unless marked existing on the drawings. Refer to sheets M-210 and M-220. Contractor must verify if they are existing, the size and their location.
Q.40	Clarify if the intent is to remove and re-install the existing thermostats as per sheet M-200.
A.40	Correct.
Q.41	Clarify if the intent of note 2.2 sheet M-200 is to pre-test and balance existing system or just to test the system prior installations?
A.41	Pre-test existing system and perform test & balance after work completion.

David Blitch of MCQ Construction Services, Inc., received on 4/6/2021, 9:54AM.

- Q.42 What is the height of the deck above from the restroom floors?
- A.42 Floor to floor height is approximately 20 feet per record drawings. For partitions extending from floor slab to underside of deck above, provide specialty engineering design. Follow wall types for partitions under 12 feet in height.
- Q.43 The Project Specifications, Section 08114 detail coated, cold rolled steel doors and frames. The Project Plans call for stainless steel doors and frames. Clarify which to price for this project. If stainless doors and frames are required, delete section 08114 and provide stainless door & frame specifications and approved manufacturers.
- A.43 See A.24 above.
- Q.44 Provide expansion joint specifications and approved vendors.
- A.44 See A.27 & A.28 above.
- Q.45 Can Type X drywall be installed from above the hard ceilings to the deck above in lieu of cement board?
- A.45 Type X drywall is allowed above ceilings.
- Q.46 Confirm the width of Wall Type "D". Visually and dimensionally these walls vary in various locations.
- A.46 Wall type "D" is in the wall types, drawing block 1, sheet A-401 of the Plans. It is noted as a 6-inch galvanized metal stud. Plus 3/8-inch tile and 5/8-inch board. Total width is 7-inches. Variation is in placement of wall in space layout.
- Q.47 Due to the existing wall configuration in restrooms 9253 & 9254, would it be more advantageous to demolish the existing terrazzo floors and replace with new in lieu of patching the existing floors?
- A.47 See A.35 above.
- Q.48 Confirm the following Specification Sections do not apply to this Project: Section 06400 – Architectural Wood Work Section 09206 – Metal Furring and Lathing Section 09215 – Veneer Plaster Section 09511 – Suspended Acoustical Ceilings
- A.48 Section 09206 Metal Furring and Lathing remains applicable to furring on existing CMU walls. Other sections can be voided.

Joaquin Esquivia of Conbuild, LLC, received on 4/8/2021, 8:35AM.

Q.49	For the Designer series two and three station, please clarify the following information required by suppliers to properly price each product: Basin is standard or recessed?
A.49	Basin is recessed. See attached "Basin Sample Cut Sheets for Addendum #3".
Q.50	For the Designer series two and three station, please clarify the following information required by suppliers to properly price each product: Clarify the Through Style?
A.50	Single drain for single and double station and double drain for triple station. See attached "Basin Sample Cut Sheets for Addendum #3".
Q.51	For the Designer series two and three station, please clarify the following information required by suppliers to properly price each product: Clarify the edge type: beveled, straight or rounded?
A.51	Rounded edges – all exposed edges.
Q.52	For the Designer series two and three station, please clarify the following information required by suppliers to properly price each product: Clarify if mounting type is angle stainless steel enclosure or indicate which mounting type is required.

A.52 Mounting type is stainless steel enclosure. See attached "Basin Sample Cut Sheets for Addendum #3".

Joaquin Esquivia of Conbuild, LLC, received on 4/8/2021, 4:17PM.

- Q.53 Plumbing drawings suggest all new waste and water piping for all fixtures.Architectural drawings suggest only replacement of plumbing fixtures at existing roughins. Is it the intention of the design team to replace all plumbing piping or is the intent to reuse the existing sanitary and water piping?
- A.53 Replace all waste and water piping within the chase and up to the fixtures and above the slab as per the plumbing plans. See attached "Revised Sheet P-210 for Addendum #3".

David Blitch of MCQ Construction Services, Inc., received on 4/9/2021, 12:46PM.

- Q.54 Sheet A-102, Demolition Key Note C, indicates that existing framing and/or CMU walls are to remain. Sheet P-210 includes plumbing riser diagrams with connection indicator icons that suggest plumbing piping is new. If the plumbing piping is to be replaced, CMU walls would likely have to be removed to cut the ground floor slab. Is the intent of the design of the project to replace all plumbing piping?
- A.54 See A.53 above.
- Q.55 If there are toilet rooms, offices, etc., below the toilet rooms, these areas will be required to be shut down & ceiling repairs if the plumbing piping is replaced.
- A.55 See A.53 above.

Johnny Dao of Florida Construction & Engineering, Inc., received on 4/9/2021, 6:20PM.

- Q.56 Please provide the Fire Alarm Contractor authorized for MIA.
- A.56 Honeywell ACS - Building Solutions Henry Pino Strategic Account Manager Office: 305-929-9839 Mobile: 305-586-0606 Email: <u>henry.pino@honeywell.com</u>

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:	

Name of Individual Authorized to Sign:

Title:

JORGE A GUTIERREZ • ARCHITECT • LLC

MIA PUBLIC RESTROOMS MODERNIZATION SOUTH TERMINAL – GROUP 1 (10RR) MIAMI-DADE AVIATION DEPARTMENT PROJECT NUMBER EDP-AV-AA017C-1

TEMPORARY PARTITION DETAIL - NTS - APRIL 7, 2021



14400 NW 77 Court, Suite 104 • Miami Lakes • Florida 33016 TEL 786-657-2352 • EMAIL • WEB <u>www.jagaia.com</u> AR 14571 • AA26002181 PROVIDE SIGNAGE ON TEMPORARY PARTITION TO INDICATE RESTROOMS OUT OF SERVICE, AND TO INDICATE NEAREST GATE FOR AVAILABLE RESTROOMS.



JORGE A GUTIERREZ ARCHITECT LLC 14400 NW 77 Court, Suite 104 • Miami Lakes • Florida 33016 TEL 786-657-2352 • EMAIL • WEB <u>www.jagaia.com</u> AR 14571 • AA26002181

JORGE A GUTIERREZ • ARCHITECT • LLC

Stainless Steel Doors & Frames

MIA PUBLIC RESTROOMS MODERNIZATION SOUTH TERMINAL – GROUP 1 (10RR) MIAMI-DADE AVIATION DEPARTMENT PROJECT NUMBER EDP-AV-AA017C-1

- A. Provide Reference Standards as part of the Product Data submittal.
- B. Doors:
 - 1. Provide 18-gage stainless steel faces minimum
 - 2. 1-3/4" Thick Door (standard)
 - 3. 304 Alloy
 - 4. No. 4 Brushed Satin finish in accordance with ASTM A480/A480M.
 - 5. Vertical Grain
 - 6. Edge Seam (lockseam)
 - 7. Polystyrene Core
 - 8. Invert stainless steel channel welded to face sheets
- C. Frames:
 - 1. Three sided frame
 - 2. Provide 16-gage min on all stainless steel frames.
 - 3. 304 Alloy in compliance with ASTM A666
 - 4. No. 4 Satin finish in accordance with ASTM A480/A480M
 - 5. Vertical Grain
 - 6. Mitered Corners
 - 7. Face fully welded
- D. Manufacturers:
 - 1. Stainless Doors
 - 2. Or Approved Equal

JORGE A GUTIERREZ • ARCHITECT • LLC

Door Hardware for Stainless Steel Doors

- A. Notes shall be combined with Drawings and Specs.
- B. Locksets shall be construction master keyed by the contractor under the master key specified by the MDAD Locksmith Shop Representative.
- C. Contractor shall provide hardware in coordination with the MDAD Locksmith shop representative. Coordinate and verify hardware sets with MDAD Locksmith shop representative.
- D. Provide Reference Standards as part of the Product Data submittal.
- E. Lock cylinders shall be designed and constructed to accept Medeco cylinders and be installed by MDAD at occupancy at janitor closet.
- F. Lock cylinder shall be Grade 1.
- G. Material finishes for all Door Hardware and fasteners shall be Satin Stainless Steel.
- H. Closers: Provide Certification for ANSI/BHMA A156 ADA. Set to ADA opening force.

Hardware Set 1: Interior Single Door to Single Person Toilet Room

3 each	Hinges	FBB191 4.5 x 4.5	US32D
1 each	Lockset	ND85PD RHO x Everest D	US32D
1 each	Closer	4041EDA x TBMS	US32D
3 each	Silencers	SR64 Ives	

Hardware Set 2: Interior Single Door; Storage, Custodial, Etc. (Provide Hold Open in closer).

3 each	Hinges	FBB179 4-1/2 x 4-1/2	US32D
1 each	Lockset	ND96PD-8 RHO x Everest D	US32D
1 each	Closer	4041 EDA x TBMS	US32D
1 each	Wall Stop	1270CVPV	US26D
3 each	Silencers	SR64 lves	

Hardware Set 3: Interior Single Door; Plumbing Chases, Machine Room

3 each	Hinges	FBB179 4-1/2 x 4-1/2	US32D
1 each	Lockset	ND96PD-8 RHO x Everest D	US32D
1 each	Wall Stop	1270CVPV	US26D

Manufacturers:

- A. Hinges:
 - 1. Stanley
 - 2. Ives Hinges
 - 3. Or Approved Equal
- C. Closers:
 - 4. LCN
 - 5. Or Approved Equal

- B. Locks:
 - 1. Schlage
 - 2. Or Approved Equal

INTERIOR WALL & CEILING COVER

FCF & FCFC, FCS & FCSC



This single gasket ceiling cover is ideal for applications where minimal visual impact is preferred. These models are also designed to match select flush covers used in the wall. Different gasket options to all for flexibility in installation and field construction.

Features

- Suitable for acoustical tile ceiling construction
- Variety of gaskets offer aesthetic appeal and different movement requirements
- Flush system blends in well with adjacent wall construction
- Dual durometer gasket (1" and 2" joints)
- · Santoprene gasket (3" and up joints)

Benefits

- · Single gasket provides minimal visual impact
- Designed to match select flush covers used on the wall
- Promotes a hygienic environment



INTERIOR WALL & CEILING COVER

FCF & FCFC, FCS & FCSC

Product Details

- FCF & FCFC Joint sizes range from 1" to 2" or from 3" to 10"
- FCS & FCSC Joint sizes range from 2" to 10"
- Available in 10' stock lengths

Certifications

- ASTM ASTM D2000
- Covers are in accordance with ASTM E1399 testing

Warranty

Standard Five-Year Warranty

Model Details

Finish Options

- Gasket available in 4 standard colors Black, White, Gray & Greige
- Premium gasket color Platinum
- · Mill finish on any exposed aluminum
- · Custom colors available for an upcharge
- Aluminum in contact with concrete/mansonry will have a 2 mil heavy metal free high solids primer

See all finish options online at c-sgroup.com.





FLOOR COVERS

GFS & GFSW, GFST & GFSTW, GFPS & GFPSW



This single gasket floor cover is ideal where surface mount applications are required with minimal bump. The cover is ideal for hygienic areas and wheeled equipment and is suitable for most floor finishes. Our 2" model includes an aluminum support plate for the gasket for added durability.

Features

- Minimal visual impact
- Retrofit applications new to existing conditions available
- · Low profile frames help create minimal bump
- Dual durometer gasket

Benefits

- Suitable for different floor finishes (model specific)
- Easy to clean and maintain
- Multiple frame options for a variety of floor finishes



FLOOR COVERS

GFS & GFSW, GFST & GFSTW, GFPS & GFPSW

Product Details

- Joint sizes range from 1" to 2"
- Available in 10' stock lengths
- Primary Seal Dual Durometer 65 Shore A, 90 Shore A, ASTM D2240

Certifications

- ASTM ASTM D2000
- Covers are in accordance with ASTM E1399 testing

Warranty

Standard Five-Year Warranty

Model Details

Finish Options

- Gasket available in 4 standard color options Black, White, Gray & Greige
- Clear anodized finish
- Premium color Platinum
- Aluminum in contact with concrete/mansonry will have a 2 mil heavy metal free high solids primer

See all finish options online at c-sgroup.com.







Revised Sheet A-108 for Addendum #3



DESCRIPTION

Designer Series[™] 2-Station Wall-Mounted Gradient Sink.

DETAILS

- Material: Corian/Silestone
- Width: 60" (1,524mm)

FEATURES

Two Station Lavatory System with the following features:

- Dimensions: 60" x 22" x 5"
- A monolithic console available in Corian or quartz
- ADA compliant if Installed properly
- Multiple mounting options
- Basins can be sized to project requirements
- Many customization options see architectural worksheet for all options
- Easy installation
- Pairs great with Sloan faucets and soap dispensers

COLORS

- For a complete list of Corian® colors: http://www.corian.com/-colors-of-corian-r-
- For a complete list of Corian® quartz colors: http://www.corianquartz.com/-colors-of-zodiaq-r-
- For a complete list of Silestone® quartz colors: http://www.silestoneusa.com/colors/

SUGGESTED FAUCETS

This sink is compatible with BASYS® faucets.



COMPLIANCES & CERTIFICATIONS



(ADA Compliant, cUPC Certified, BAA Compliant, IGC156)

RECOMMENDED SPECIFICATION

Sloan Designer Series Sink model no. DSG 8X000 Gradient Style Sink. Product to be fabricated out of Corian or quartz. Sloan automated sensor faucet. Sloan sensor operated foam soap dispenser. Sink design to be ADA compliant and IAPMO certified. Supplied with angle brackets or enclosure.

DOWNLOADS

- DSG-80000 Installation Instructions
- Additional Downloads

NOTES

All information contained within this document subject to change without notice.

Many customization options – see architectural worksheet for all options

Find a compatible faucet for this sink. Find a matching soap dispenser for this sink.

SLOAN.

ROUGH-IN







Sloan 10500 Seymour Ave, Franklin Park, IL 60131 Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com



DESCRIPTION

Designer Series[™] 1-Station Wall-Mounted Gradient Sink.

DETAILS

- Material: Corian/Silestone
- Width: 30" (762mm)

FEATURES

One Station Lavatory System with the following features:

- Dimensions: 30" x 22" x 5"
- A monolithic console available in Corian or quartz
- ADA compliant if Installed properly
- Multiple mounting options
- Basins can be sized to project requirements
- Many customization options see architectural worksheet for all options
- Easy installation
- Pairs great with Sloan faucets and soap dispensers

COLORS

- For a complete list of Corian® colors: http://www.corian.com/-colors-of-corian-r-
- For a complete list of Corian® quartz colors: http://www.corianquartz.com/-colors-of-zodiaq-r-
- For a complete list of Silestone® quartz colors: http://www.silestoneusa.com/colors/

SUGGESTED FAUCETS

This sink is compatible with BASYS® faucets.



COMPLIANCES & CERTIFICATIONS



(ADA Compliant, cUPC Certified, BAA Compliant, IGC156)

RECOMMENDED SPECIFICATION

Sloan Designer Series Sink model no. DSG 8X000 Gradient Style Sink. Product to be fabricated out of Corian or quartz. Sloan automated sensor faucet. Sloan sensor operated foam soap dispenser. Sink design to be ADA compliant and IAPMO certified. Supplied with angle brackets or enclosure.

DOWNLOADS

- DSG-80000 Installation Instructions
- Additional Downloads

NOTES

All information contained within this document subject to change without notice.

Many customization options – see architectural worksheet for all options

Find a compatible faucet for this sink. Find a matching soap dispenser for this sink.



ROUGH-IN





Sloan 10500 Seymour Ave, Franklin Park, IL 60131 Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com



DESCRIPTION

Designer Series[™] 3-Station Wall-Mounted Gradient Sink.

DETAILS

- Material: Corian/Silestone
- Width: 90" (2,286mm)

FEATURES

Three Station Lavatory System with the following features:

- Dimensions: 90" x 22" x 5"
- A monolithic console available in Corian or quartz
- ADA compliant if Installed properly
- Multiple mounting options
- Basins can be sized to project requirements
- Many customization options see architectural worksheet for all options
- Easy installation
- Pairs great with Sloan faucets and soap dispensers

COLORS

- For a complete list of Corian® colors: http://www.corian.com/-colors-of-corian-r-
- For a complete list of Corian® quartz colors: http://www.corianquartz.com/-colors-of-zodiaq-r-
- For a complete list of Silestone® quartz colors: http://www.silestoneusa.com/colors/

SUGGESTED FAUCETS

This sink is compatible with BASYS® faucets.



COMPLIANCES & CERTIFICATIONS



(ADA Compliant, cUPC Certified, BAA Compliant, IGC156)

RECOMMENDED SPECIFICATION

Sloan Designer Series Sink model no. DSG 8X000 Gradient Style Sink. Product to be fabricated out of Corian or quartz. Sloan automated sensor faucet. Sloan sensor operated foam soap dispenser. Sink design to be ADA compliant and IAPMO certified. Supplied with angle brackets or enclosure.

DOWNLOADS

- DSG-80000 Installation Instructions
- Additional Downloads

NOTES

All information contained within this document subject to change without notice.

Many customization options – see architectural worksheet for all options

Find a compatible faucet for this sink. Find a matching soap dispenser for this sink.

SLOAN.

ROUGH-IN







Sloan 10500 Seymour Ave, Franklin Park, IL 60131 Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com





Revised Sheet P-210 for Addendum #3



Aviation Maintenance Department MIAMI-DADE COUNTY, FLORIDA 4331 NW 22 Street. Bldg.3030 **Miami, FL 33102** 305.876.8322 MIAMIDADE COUNTY **RPQ ADDENDUM** Addendum No.: 4 Date: 4/15/2021 Project No.: AA017C-1 Project Title: MIA Public Restroom Modernization South Terminal Group 1 **RPQ** No.: AA017C-1 RPQ Due Date: 4/23/2021 Project Location: MIA South Terminal Project Manager: A. Portal

This Addendum serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Joaquin Esquivia of Conbuild, LLC, received on 4/7/2021, 1:38PM.

Q.1	Sound system riser diagram shown on Sheet E-800 depicts "Turkish Airlines", please clarify where is this riser applicable to this project? And if not, please provide the applicable riser diagram.
A.1	Paging System is existing, most of the speakers to be relocated, provide new as per plans in women's restrooms since location of those could not be verified. Contractor may re-use if in good condition. No additional sound system provided. Refer to revised riser on attached "Revised Sheet E-800 for Addendum #4".
Q.2	Please clarify the scope of work for the PA Speakers/Sound System for this project.
A.2	See A.1 above.
Q.3	Lighting schedule sheet E-000 depicts some 2x4 lights. Please clarify: Where to install the 2x4 lights.
A.3	2X4 Lights do not apply to this project. Please omit. See attached "Revised Sheet E-000 for Addendum #4".
Q.4	Lighting schedule sheet E-000 depicts some 2x4 lights. Please clarify: Provide specs with reference model for both regular and emergency lights if applicable to this project.

A.4 See A.3 above.

- Q.5 Lighting schedule sheet E-000 does not depict the led light fixtures as shown on sheet A-503. Provide reference specs and model for led light fixtures required.
- A.5 See attached "Revised Sheet E-000 for Addendum #4" and "Lighting Specs for Addendum #4".

Lourdes Carcache of Allied Contractors, Inc., received on 4/8/2021, 1:36PM.

- Q.6 Where the lighting layout strip lights over the toilets and lavatory are reflected, I do not see the symbol or part number for this.
- A.6 See A.5 above.
- Q.7 Are the fixtures provided by others? For the down lights SO8-AC, I do not see the strip recessed lights.
- A.7 See A.5 above.

Joaquin Esquivia of Conbuild, LLC, received on 4/12/2021, 8:45AM.

- Q.8 On electrical drawing, sheet E-800, are being shown in Paging System Riser Diagram a new amplifier at Paging Room 3067 and New RCA input with volume control at reception desk, however Room 3067 and Reception desk are not shown in electrical floor plans. Please provide location for this Room.
- A.8 See A.1 above.
- Q.9 On electrical drawing, sheet E-800, are being shown in Sound System Riser
 Diagram, two new amplifiers at existing Electrical room and new volume control, however this electrical room and control volume are not shown in electrical floor plans.
 Please provide location for these sound devices.
- A.9 Omit sound system and new amplifiers. Paging system is existing. Refer to attached "Revised Sheet E-800 for Addendum #4".

Alan Chovel of Shovel Construction, LLC, received on 4/12/2021, 9:01AM.

- Q.10 Above the toilets on the electrical lighting floor plans, there is a strip lighting indicated, but no make and model is provided in the lighting schedule. Please advise.
- A.10 See A.5 above.
- Q.11 Please provide the Honeywell contact information for this project.
- A.11 See A.56 of Addendum #3.

- Q.12 Please define the limits of scope for Honeywell.
- A.12 Subcontract Honeywell to provide all modifications, provide new devices, relocate devices, etc., to the existing fire alarm systems as shown on plans, provide signed and sealed FA shop drawings to be permitted as per FA note on Sheet E-000.

David Blitch of MCQ Construction Services, Inc., received on 4/14/2021, 3:22PM.

- Q.13 Are the existing walls to be demolished 20 feet in height in accordance with Addendum #3 that states the floor to deck height is 20?
- A.13 Yes, existing walls to be demolished are 20 feet high.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign:

Title: _____

Signature:

COMPLEX PAGING SYSTEM CONDUIT NOTES:

THE ELECTRICAL CONTRACTOR WILL PROVIDE A CONDUIT SYSTEM FOR THE CPS. CONDUIT SYSTEM INCLUDES ALL CONDUITS, RELATED CONDUIT FITTINGS, JUNCTION BOXES, TERMINAL CABINETS, FLOOR BOXES, FLOOR BOX COVERS, FLOOR BOX INSERTS, AND OUTLET BOXES EXCEPT AS OTHERWISE NOTED.

- 2 ELECTRICAL CONTRACTOR PROVIDES A PULL STRING IN ALL PAGING SYSTEM CONDUITS.
- z CONDUIT QUANTITIES AND SIZES HAVE BEEN CHOSEN BASED UPON SYSTEM REQUIREMENTS. DO NOT COMBINE MULTIPLE RUNS INTO LARGER CONDUITS.
- 4. ALL CONDUITS WILL BE FERROUS METALS, BONDED TO GROUND EVEN IN OR BELOW SLABS. CONDUITS IN OR BELOW SLABS WILL BE RIGID METALLIC CONDUITS. SEAL JOINTS TO PREVENT LEAKING.
- 5 NO FLEX CONDUIT IS TO BE USED IN THE CPS UNLESS OTHERWISE NOTED.
- ALL CONDUITS CARRYING AUDIO SIGNALS ARE NOT TO BE RUN PARALLEL TO POWER CONDUITS UNLESS THE SPACING EXCEEDS 2'0".
- 7. THE SIGNAL LEVEL CONDUIT SEPARATION INDICATED ON DRAWINGS (MICROPHONE, LINE, SPEAKER, INTERCOM, VIDEO, CONTROL, RF, AND AC) IS TO BE MAINTAINED.
- 8. THE MAXIMUM LENGTH OF ANY CONDUIT RUN, THE MAXIMUM AMOUNT OF BEND BETWEEN PULL-BOXES, AND THE RELATIONSHIP BETWEEN LENGTH AND BENDS SHALL BE LIMITED PER ELECTRICAL SPECIFICATIONS.
- 9. ALL CONDUITS TO BE 3/4" UNLESS OTHERWISE NOTED.
- 10. WHERE SEVERAL LARGE BOXES ARE USED SIDE BY SIDE, A MINIMUM OF 4" SHOULD BE LEFT BETWEEN THE ADJACENT SIDES.
- 11. IF SEVERAL LARGE JUNCTION BOXES OR TERMINAL CABINETS ARE USED SIDE BY SIDE TWO 2" CONDUITS MUST BE PROVIDED BETWEEN THEM.

^{12.} INSULATE ANNOUNCEMENT CONTROL SYSTEM EQUIPMENT ENCLOSURE FROM INCOMING METAL CONDUITS WITH PVC TO EMT CONNECTOR IN TOP OF ENCLOSURE.

Revised Sheet E-800 for Addendum #4





PART 1 – GENERAL

- 1.1 GENERAL: THE GENERAL AND SPECIAL CONDITIONS AND REQUIREMENTS OF THE CONTRACT AND SPECIFICATIONS AS WELL AS PLANS AND SPECIFICATIONS OF OTHER DISCIPLINES AND TRADES SHALL APPLY AND BE PART OF THE WORK HEREBY SPECIFIED. THESE SPECIFICATIONS AND THE ACCOMPANYING PLANS ARE INTENDED TO PROVIDE FOR THE COMPLETE FURNISHING AND INSTALLATION OF THE ELECTRICAL SYSTEMS. "PROVIDE" MEANS CONTRACTOR SHALL FURNISH AND INSTALL.
- 1.2 COMPLIANCE: WORKMANSHIP, MATERIALS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 2017 AND ADDENDUMS, MDAD GUIDELINES, THE LATEST EDITION OF NFPA, NEMA, NEC, ASTM, OSHA, HRS, HEALTH AGENCIES, AND OTHER APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND PERTAINING REGULATIONS ESTABLISHED BY RULING AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL ALSO MEET OTHER RECOGNIZED STANDARDS AND REQUIREMENTS, WHERE SUCH ARE MORE STRINGENT THAN THOSE CITED ABOVE.
- 1.3 WORKMANSHIP: ALL WORK SHALL BE PERFORMED BY CONTRACTORS LICENSED IN THEIR RESPECTIVE DISCIPLINES. WORK SHALL BE DONE IN A FIRST CLASS MANNER, FULLY OPERATIVE, AND TO THE ACCEPTANCE OF THE ARCHITECT/ENGINEER. CONTRACTOR SHALL PROVIDE FOR ALL NECESSARY LABOR AND MATERIALS REQUIRED FOR COMPLETION OF THE WORK INCLUDING BUT NOT LIMITED TO CONNECTIONS TO RELATED WORK SUCH AS CONNECTION TO EXISTING SYSTEMS, EXCAVATIONS AND BACKFILLING.
- 1.4 MATERIALS: CONTRACTOR SHALL PROVIDE ALL NEW MATERIALS OF AMERICAN MANUFACTURE, BEARING THE UNDERWRITER'S LABORATORY (UL) LABEL AS APPLICABLE. MATERIALS SHALL BE ACCEPTABLE AND ABOVE STANDARD QUALITY NORMALLY USED FOR THE PURPOSE AS CALLED FOR ON PLANS. SUPPLEMENTAL MATERIALS, PRODUCTS AND COMPONENTS NECESSARY TO COMPLY WITH THE INTENT OF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, BUT NOT NOTED OR SPECIFIED ON THESE SECTIONS, SHALL BE PROVIDED BY CONTRACTOR AS REQUIRED FOR COMPLETION OF THE WORK AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISIONS AND COORDINATION OF DELIVERY OF MATERIALS. EQUIPMENT MARRED DURING SHIPMENT OR INSTALLATION SHALL BE TOUCHED UP AND REFINISHED TO FACTORY FINISH, REPLACED WHERE NOT ACCEPTABLE.
- 1.5 PERMITS & INSURANCE: CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS, TESTS, FINES AND OTHER ITEMS AS REQUIRED FOR THE INSTALLATION OF COMPLETE ELECTRICAL SYSTEMS AS OUTLINED HEREIN AND SHOWN ON PLANS. PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK
- 1.6 EXISTING CONDITIONS: BEFORE BIDDING CONTRACTOR SHALL VISIT THE JOB SITE AND ASCERTAIN ALL EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. FAILURE TO DO SO WILL NOT BE ACCEPTED AS A REASON FOR REQUESTING EXTRA PAY WHERE THE EXISTING CONDITIONS RESULT IN EXTRA MATERIAL OR LABOR. ANY EXISTING CONDITION FOUND BY THE CONTRACTOR WHICH WILL ADVERSELY AFFECT THE WORK SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENTS OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- 1.7 UTILITY COMPANIES: BEFORE SUBMITTING BID CONTRACTOR SHALL CHECK WITH WATER, SEWER, GAS, ELECTRICAL, TELEPHONE/DATA, CABLE/TV AND OTHER UTILITY COMPANIES SUPPLYING SERVICE TO THIS INSTALLATION TO DETERMINE INSTALLATION STANDARDS, METERING, EQUIPMENT, UNDERGROUND CONDUIT REQUIREMENTS AND COSTS TO BE INCLUDED IN THE BID. EXCEPT WHERE UTILITY REQUIREMENTS CHANGE AFTER SUBMITTAL, WHERE NOT SPECIFIED ON PLANS PROVIDE AT LEAST (1)2"C FOR EACH LOW VOLTAGE UTILITY (TEL/DATA, CABLE/TV). NO EXTRA PAYMENT WILL BE MADE TO THE CONTRACTOR FOR SUCH ITEMS. PROVIDE TEMPORARY ELECTRICAL SERVICES FOR ALL TRADES AS REQUIRED.
- 1.8 PLANS: DRAWINGS ARE GENERALLY DIAGRAMMATIC, INTENDED TO SHOW APPROXIMATE EQUIPMENT LOCATIONS AND ARRANGEMENTS, NOT TO SHOW EVERY MINOR DETAIL. PLANS SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION AND DIMENSIONS.
- 1.9 INTERFERENCE: CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES SO THAT INTERFERENCES WITH EXISTING CONDUITONS, CONDUITS, PIPING, EQUIPMENT, ARCHITECTURAL, STRUCTURAL MEMBERS WILL BE AVOIDED.
- 1.10 SHOP DRAWINGS: PRIOR TO PLACING AN ORDER AND BEFORE INSTALLATION, SUBMIT FOR REVIEW PROPERLY IDENTIFIED AND BOUND SHOP DRAWINGS AND MANUFACTURER'S LITERATURE GIVING SPECIFICATIONS, DETAILS, COMPLIANCE, UL APPROVAL, MATERIALS, FINISHES, ACCESSORIES AND INSTALLATION DIRECTIONS WHERE REQUIRED OF THE EQUIPMENT SPECIFIED. FACTORY CERTIFIED PRINTS SHALL BE FURNISHED FOR ALL MAJOR ITEMS OF EQUIPMENT AND SPECIFIED. SUBMISSION OF EQUIPMENT FOR APPROVAL SHALL BE MADE COMPLETE AND ALL AT THE SAME TIME.
- 1.11 SUBSTITUTIONS: PRODUCTS AND MATERIALS CALLED OUT BY TRADE NAME AND/OR CATALOG NUMBERS ESTABLISH A STANDARD OF QUALITY, APPEARANCE, PERFORMANCE AND DIMENSION. CONTRACTOR SHALL BASE HIS PROPOSAL ON THOSE ITEMS AS THEY SHALL BE CONSIDERED AS A STANDARD BASIS OF BIDDING. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT/ENGINEER, DEMONSTRATING THAT PRODUCT IS OF COMPARABLE AND BASIC DESIGN, CONSTRUCTION STANDARDS AND WARRANTIES, DIMENSIONS TO FIT WITHOUT CHANGE, AND DOES NOT CAUSE EXTRA WORK FOR OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVING EQUALITY OF SUBSTITUTIONS; ARCHITECT/ENGINEER WILL, UNDER NO CIRCUMSTANCES, BE REQUIRED TO PROVE SUCH ITEM IS OR IS NOT OF EQUAL QUALITY TO THE SPECIFIED ITEM. ARCHITECT/ENGINEER EXPENSES INCURRED DUE TO CONTRACTOR'S REQUESTED REVISIONS OR SUBSTITUTIONS SHALL BE PAID BY CONTRACTOR.
- 1.12 GUARANTEES: AFTER THE SYSTEM IS INSTALLED, THE CONTRACTOR SHALL CONDUCT AN OPERATIVE TEST FOR APPROVAL AND ACCEPTANCE BY THE ARCHITECT/OWNER. ALL ELECTRICAL INSTALLATION AND WORK, INCLUDING PARTS AND LABOR, SHALL BE GUARANTEED AS PER MDAD'S STS-01810.
- 1.13 RECORD DRAWINGS: MAINTAIN A COMPLETE SET OF PRINTS FOR INDICATING ALL CHANGES. USE COLORED PENS TO MARK CHANGES AT THE TIME OF EXECUTION AND DELIVER THE SET TO ARCHITECT/ENGINEER UPON COMPLETION. CONTRACTOR SHALL STAMP "AS BUILT" ON PRINTS AND PLANS, DATE AND SIGN IN INK. WORK SHALL NOT BE CONSIDERED COMPLETED UNTIL SUCH PLANS ARE REVIEWED AND APPROVED BY ARCHITECT/ENGINEER.

<u>PART 2 – PRODUCTS</u>

- 2.1 SHOP DRAWINGS: SUBMIT SHOP DRAWINGS OF THE FOLLOWING PRODUCTS:
- A. CIRCUIT BREAKERS, SWITCHES.
- B. WIRING, CABLING, CONDUITS, RACEWAYS, FLOOR AND OUTLET BOXES WRING DEVICES: RECEPTACLES, OUTLETS, LIGHT SWITCHES, PLATES.
- D. LIGHTING FIXTURES, LAMPS AND RELATED HARDWARE. TIMECLOCKS AND CONTACTORS.
- MISCELLANEOUS SYSTEMS: FIRE ALARM, CONTROLS.
- 2.2 DISCONNECTS: SWITCHES SHALL BE QUICK-MAKE QUICK-BREAK ACTION, LOCKABLE TYPE. SERVICE DISCONNECT SHALL BE SERVICE RATED, HEAVY-DUTY TYPE. PROVIDE DUAL ELEMENT FUSES FOR MOTOR DRIVEN MECHANICAL EQUIPMENT SIZED PER MANUFACTURER'S RECOMMENDATION. FIELD COORDINATE FUSE SIZE WITH EQUIPMENT NAMEPLATE BEFORE ACTUAL INSTALLATION. MANUFACTURER SHALL BE GE, SQUARE-D, EATON, OR APPROVED EQUAL.

2.3 RACEWAYS

- A. GRS AND IMC: HOT-DIPPED GALVANIZED INCLUDING THE THREADS. PROVIDE FOR EXTERIOR LOCATIONS, WHERE EXPOSED TO PHYSICAL DAMAGE AND FOR ELBOWS, ELLS AND RISERS INTO GROUND AND SLAB. INSTALL ELLS AND RISERS STUBBED UP 6 INCHES FROM CONCEALED SLAB RUNS, 48" ABOVE GROUND WHERE EXPOSED ON WALL. PAINT RACEWAYS BELOW SLAB OR FINISHED EXTERIOR GRADE WITH TWO (2) COATS OF BITUMASTIC PAINT UP TO A POINT 2" ABOVE SLAB. IMC SHALL NOT BE USED UNDERGROUND IN OR BELOW THE GROUND FLOOR
- B. EMT: MAY BE USED FOR INTERIOR SPACES IN DRY LOCATIONS, WHERE NOT EXPOSED TO PHYSICAL DAMAGE. FITTINGS SHALL BE STEEL.
- C. PVC SCHEDULE 40 SHALL NOT BE USED, EXCEPT FOR RUNS UNDER OR WITHIN SLAB WITH A MINIMUM OF THREE (3) INCHES OF CONCRETE COVERAGE ON ALL SIDES. D. FLEXIBLE METALLIC CONDUIT: LIGHTING FIXTURES, MOTORS, TRANSFORMERS AND VIBRATING EQUIPMENT CONNECTIONS IN LENGTHS NOT TO EXCEED 18". PVC JACKETED FLEXIBLE METAL CONDUIT FOR LOCATIONS OUTSIDE AND/OR EXPOSED TO MOISTURE. GREENFIELD OR APPROVED EQUAL.
- E. RUNS BELOW SLAB SHALL BE PROVIDED WITH A YELLOW RIBBON TAPED ALONG TRENCH 6" BELOW GRADE FOR RACEWAY IDENTIFICATION.
- 2.4 CONDUCTORS: SOFT-DRAWN 98% CONDUCTIVITY COPPER INSTALLED IN CONDUIT. EQUIVALENT ALUMINUM CONDUCTORS AND CONDUITS MAY BE USED FOR MAIN FEEDERS FROM T/F TO MAINS, PANELS AND LARGE MOTORS. MINIMUM SIZE SHALL BE #12 FOR POWER WIRING, #14 FOR CONTROL CIRCUITS. PROVIDE #10 WIRES FOR 120V POWER CIRCUIT HOMERUNS LONGER THAN 100 FEET. INSULATION SHALL BE 600V THHN/THWN FOR GENERAL USE, THW IN SIZES #6 AND ABOVE, COLOR CODED THROUGHOUT PER NEC AND TRADE STANDARDS. WIRING IN DUCTS, PLENUMS AND OTHER AIR HANDLING SPACES SHALL COMPLY WITH NEC 300.22.
- 2.5 SPLICES SHALL BE MADE WITH UL LISTED MECHANICAL PRESSURE SOLDERLESS CONNECTORS, BURNDY SERVITS TYPE OR APPROVED EQUAL. FEEDER SPLICES AND TERMINATIONS SHALL BE MADE MECHANICALLY USING COMPRESSION TYPE SLEEVES OR LUGS AND CONNECTION TO PANELS AND SWITCHES AS MANUFACTURED BY BURNDY, THOMAS & BETTS, OR APPROVED EQUAL.
- 2.6 WIRING DEVICES SHALL BE FLUSH MOUNTED, HEAVY DUTY SPECIFICATION GRADE AND SHALL BE LISTED WITH A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) SUCH AS UL LISTED. MANUFACTURER SHALL BE LEVITON, OR APPROVED EQUAL.
- A. SWITCHES: 20A 120/277V, SINGLE POLE, THREE-WAY WHERE NOTED. SWITCHES IN THE SAME AREA SHALL BE GANGED TOGETHER IN THE SAME BOX.
- B. RECEPTACLES: 20A 120V GROUNDING TYPE DUPLEX. SPECIAL OUTLETS RATED TO MATCH CIRCUIT BREAKERS AS NOTED ON PLANS; QUADRUPLEX OUTLETS AND SWITCH/OUTLET COMBINATIONS SHALL HAVE THE SAME FACE PLATE. ISOLATED GROUND TYPE SHALL BE PROVIDED WITH SEPARATE ISOLATED GROUND WIRE.
- C. TELEPHONE AND DATA OUTLETS: TELEPHONE/DATA JACKS AND WIRING AS SELECTED BY USER UNLESS OTHERWISE NOTED; OTHERWISE, PULL WIRE WITH 12" SLACK AT EACH END, RUN IN 3/4" CONDUIT. WHERE PREVIOUSLY APPROVED BY RULING AUTHORITIES AND ENGINEER, RACEWAYS MAY BE INDIVIDUALLY TERMINATED ABOVE DROP CEILING WITH SMOOTH 90-DEGREE BEND AND PLASTIC BUSHING
- D. MOUNTING HEIGHTS: WHERE NOT ESTABLISHED ON PLANS OR LEGEND, MOUNTING HEIGHT SHALL BE AS FOLLOWS OR TO MATCH HEIGHTS ESTABLISHED BY EXISTING DEVICES. MH = 18"AFF - GENERAL AREA RECEPTACLES, TELEPHONE AND DATA OUTLETS.
- MH = 42"AFF COUNTER RECEPTACLES, TELEPHONES AND DATA OUTLETS.
- MH = 52"AFF WALL MOUNTED PHONES MH = 48"AFF - SWITCHES
- MH SHALL BE CONSIDERED TO THE BOTTOM OF EACH OUTLET JUNCTION BOX.
- 2.7 TELEPHONE CABINET/BOARD SHALL BE PROVIDED WITH A 3/4" THICK EXTERIOR GRADE PLYWOOD BACKBOARD PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT UL LISTED ON ALL SIDES AND EDGES. UNLESS OTHERWISE NOTED, BOARD SIZE SHALL BE 4'W X 8'H. PROVIDE DEDICATED 20A DUPLEX AND #6 GROUNDING ELECTRODE.
- 2.8 LIGHTING FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY LAMPS, BALLASTS, WIRING, LAMP HOLDERS REFLECTORS, GLASSWARE, POLES, BASES AND MOUNTING ACCESSORIES AS REQUIRED TO PROVIDE FOR A COMPLETE INSTALLATION. INTERIOR FIXTURES SHALL HAVE 100% VIRGIN ACRYLIC PRISMATIC DIFFUSERS. LIGHTING FIXTURES SHALL BE SELECTED BY ARCHITECT/TENANT AND LANDLORD, PROVIDED BY CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR, FINISH AND EXACT MOUNTING DETAILS. ALL FIXTURES SHALL BE ENERGY SAVING ELECTRONIC BALLAST AND LAMPS. PROVIDE CIRCUIT TIME CLOCK (T/C) OR LIGHTING PANEL CONTACTORS FOR EXTERIOR OR INTERIOR LIGHTING NOT SHOWN WITH SWITCHES. PROVIDE T/C OR LIGHTING PANEL CONTACTOR TO SHUT DOWN LIGHTING WITH OVERRIDE SWITCH FOR ALL SPACES LOCATED IN BUILDINGS LARGER THAN 5,000 SQFT AS PER FBC ENERGY.

PART 3 – EXECUTION

- 3.1 TESTS: PROVIDE ALL NECESSARY INSTRUMENTS AND SPECIAL APPARATUS TO CONDUCT ANY TESTS THAT MAY BE REQUIRED TO INSURE SYSTEM IS FREE OF ALL IMPROPER GROUNDS AND SHORT CIRCUITS AND THAT ALL FEEDERS ARE PROPERLY BALANCED. SYSTEM SHALL BE CHECKED FOR QUALITY, CAPACITY AND THAT ALL FEEDERS ARE PROPERLY BALANCED. SYSTEM SHALL BE CHECKED FOR QUALITY, CAPACITY AND COMPLETENESS TO CONFORM WITH THE FULL REQUIREMENTS AND INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- 3.2 CONDUIT RUNS, RACEWAYS AND PIPING SHALL BE CONCEALED IN WALLS, CEILINGS, SLABS AND PARTITIONS; NO RACEWAY SHALL BE EXPOSED WITHIN INTERIOR SPACES. ALL OUTLETS AND WRING DEVICES SHALL BE FLUSH MOUNTED.
- 3.3 GROUNDING AND BONDING SHALL COMPLY WITH NEC 250. ALL METALLIC RACEWAYS SHALL BE GROUNDED AND BONDED PER NEC 250. NON-METALLIC RACEWAYS SHALL BE PROVIDED WITH A GROUNDING CONDUCTOR SIZED PER NEC 250.122
- 3.4 ELECTRICAL EQUIPMENT SPACE AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC 110-26A AND 408.2. WIRING IN DUCTS, PLENUMS AND OTHER AIR HANDLING SPACES SHALL COMPLY WITH NEC.
- 3.5 PANELBOARDS, SWITCHES, CONTROLLERS, CONTROL PANELS, TIMECLOCKS, AND OTHER ELECTRICAL COMPONENTS SHALL BE CLEARLY AND PERMANENTLY IDENTIFIED. INDICATE PANELBOARDS CIRCUITS ON UPDATED TYPED DIRECTORY CARD HOLDERS WITH PLASTIC COVER AND METAL FRAME INSTALLED ON INSIDE OF PANELBOARD DOOR. MARK CONDUCTORS WITH PREPRINTED ADHESIVE MARKERS AS MANUFACTURED BY W.H. BRADY CO., THOMAS & BETTS, OR APPROVED EQUAL.
- 3.6 CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS, CUTTING AND REPATCHING AS REQUIRED FOR THE PROPER EXECUTION OF THIS WORK.
- 3.7 CONTRACTOR SHALL FIELD SPOT LOCATION OF WIRING DEVICES TO VERIFY AND GET APPROVAL FROM THE ARCHITECT BEFORE INSTALLATION.
- 3.8 UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN OR BE RELOCATED, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND PROVIDED BY THIS CONTRACTOR, EXISTING EQUIPMENT TO BE REMOVED NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE JOB SITE AS DIRECTED. FIELD VERIFY BEFORE REMOVAL.
- 3.9 CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR A COMPLETE CONTROL SYSTEM AND SEQUENCE OF OPERATION OF THE MECHANICAL AND PLUMBING EQUIPMENT AND SYSTEMS, INCLUDING AHU OUTSIDE AIR MOTORIZED DAMPER SHUT DOWN AND INTERLOCK WITH AHU'S. PROVIDE RELAYS, POWER AND CONTROL WIRING AS REQUIRED, COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS AND REFER TO MECHANICAL AND PLUMBING PLANS BEFORE BIDDING.

3.10 WHERE WORK ON EXISTING EQUIPMENT IS REQUIRED, SPECIAL ATTENTION SHALL BE GIVEN TO CONDITIONS OF PANELS AND SWITCHING EQUIPMENT. MODIFY EXISTING PANELS AND EQUIPMENT

BY THE ADDITION OF CIRCUIT BREAKERS, WIRING, AND OTHER EQUIPMENT AS REQUIRED IN ORDER TO PROVIDE A COMPLETE AND OPERATING SYSTEM. CIRCUIT BREAKERS AND SWITCHES INSTALLED IN EXISTING PANEL BOARDS AND SWITCHING DEVICES SHALL BE OF THE SAME MANUFACTURER AND FULLY COMPATIBLE WITH THE COMPONENTS PROVIDED. EXISTING EQUIPMENT OR DEVICES INADVERTENTLY DE-ENERGIZED OR DISCONNECTED SHALL BE RE-ENERGIZED AND MADE OPERABLE AT NO ADDITIONAL COST

- WITH SUCH TEMPORARY CONNECTIONS AS MAY BE REQUIRED.
- NOT BE INTERRUPTED. COORDINATION PROCEDUE
- NATURE
- COMPLETED.

211

ELECTRICAL REMODELING AND DEMOLITION NOTES:

ALL WORK AND MATERIALS SHALL BE NEW AND PROVIDED BY THIS CONTRACTOR UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN OR BE RELOCATED. WORK SHALL ALSO INCLUDE THE REMOVAL AND DISPOSAL OF MATERIALS FROM THE SITE AND THOROUGH CLEANING OF THE PREMISES UPON COMPLETION OF THE WORK AS DIRECTED BY ARCHITECT. WORK SHALL INCLUDE PROVISIONS OF ALL MATERIALS, CUTTING, EXTENSIONS, CONNECTIONS, PATCHING, PAINTING, REPAIRING, ADAPTING AND OTHER WORK INCIDENTAL THERETO, TOGETHER

ANY WORK NOT SHOWN OR SPECIFICALLY MENTIONED ON PLANS AND/OR SPECIFICATIONS BUT CONSIDERED NECESSARY FOR COMPLETION OF THE WORK IN THE PROPER MANNER SHALL BE PROVIDED BY THIS CONTRACTOR WITHOUT ADDITIONAL CHARGE.

WHERE PRESENT WORK IS DAMAGED IN THE EXECUTION OF THIS CONTRACT, OR WHERE OPENINGS ARE LEFT DUE TO THE REMOVAL OF PIPES, EQUIPMENT OR APPARATUS, THE SAME SHALL BE REPAIRED OR CLOSED UP TO CORRESPOND IN MATERIAL, QUALITY, SHAPE AND FINISH WITH THAT OF SIMILAR AND ADJOINING WORK, UNLESS OTHERWISE CALLED FOR. WHERE DAMAGE IS UNREPAIRABLE, NEW ITEMS OR EQUIPMENT SHALL BE PROVIDED. PROVIDE ALL NECESSARY WATERPROOFING, FIRE STOPPING AND SEALING OF PENETRATIONS LEFT FROM REMOVED EQUIPMENT OR PRODUCED BY THIS WORK.

INTERRUPTION OF EXISTING SERVICES AND/OR OPERATION OF FACILITIES SHALL BE KEPT TO A MINIMUM. CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED WHENEVER TEMPORARY CONNECTIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE. INTERRUPTION OF EXISTING SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO THE NEW WORK SHALL BE DONE ONLY AT SUCH TIMES PERMITTED AND SCHEDULED THREE DAYS IN ADVANCE BY THE ARCHITECT/TENANT AND OWNER WITHOUT ADDITIONAL COST. CARE MUST BE USED IN REMOVING SERVICES TO AREAS BEING DEMOLISHED SO THAT SERVICES TO OTHER AREAS WHICH MIGHT BE SERVED THROUGH THESE AREAS WILL

WHERE DEMOLITION WORK REQUIRES TEMPORARY INTERRUPTION OF ELECTRICAL, TELEPHONE, TV, ALARM OR COMMUNICATION SERVICES, RESPECTIVE UTILITIES AND/OR COMPANY REPRESENTATIVES SHALL BE NOTIFIED AS NECESSARY AND ALL WORK DONE UNDER THEIR SUPERVISION AND ESTABLISHED STANDARDS.

A. MDAD WILL COORDINATE TO THE FULLEST EXTENT POSSIBLE IN ARRANGING ACCESS WITHIN AN EXISTING BUILDING OR AREA FOR DEMOLITION WORK; HOWEVER MDAD SHALL RESERVE THE RIGHT TO DISALLOW SUCH ACCESS AT ANY TIME THAT ACCESS WOULD DISRUPT, ENDANGER OR INTERFERE WITH NECESSARY ACTIVITY OR THOSE OF AN UNAVOIDABLE OR EMERGENCY

B. DEMOLITION SHALL BE SCHEDULED SO AS TO MAINTAIN AIRPORT OPERATIONS AND SHALL NOT CLOSE OR OBSTRUCT ANY CONCOURSE OR OTHER OCCUPIED OR USED FACILITIES WITHOUT WRITTEN AUTHORIZATION FROM MDAD.

ALL LIGHTING FIXTURES, RECEPTACLES, SWITCHES, WIRING DEVICES, SPECIAL OUTLETS, TELEPHONE CABLES, TV CABLES, MISCELLANEOUS SYSTEM WIRING, POWER CONDUCTORS, CONDUITS ELECTRICAL BOXES, RACEWAYS AND ANY OTHER ELECTRICAL SYSTEM COMPONENTS LOCATED IN THE AREAS SHOWN AS BEING DEMOLISHED OR NOT USED AFTER WORK IS COMPLETED SHALL BE REMOVED UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN OR BE RELOCATED. RELOCATED LIGHTING FIXTURES SHALL BE RELAMPED/REBALLASTED. WITH DIFFUSERS REPLACED/REFURBISHED AS REQUIRED. CONDUITS RUN IN SLAB IN FINISHED AREAS SHALL BE CUT FLUSH, PLUGGED AND ABANDONED AFTER CONDUCTORS ARE REMOVED; WHERE PREVIOUSLY APPROVED BY ARCHITECT, CUT 6" INCHES FROM SLAB AN CAP ACCORDINGLY WHERE TERMINATED IN OTHER AREAS. NO WIRING SHALL BE LEFT ABANDONED AFTER WORK IS

EXISTING AREAS WHERE NO ELECTRICAL WORK IS TO BE DONE SHALL REMAIN CONNECTED TO EXISTING PANEL(S) OR BE RECONNECTED TO CIRCUITS AS NOTED ON PLANS. DISCONNECTS, PROTECTION AND WIRING SHALL MATCH EXISTING WIRING CONNECTION.

10. EXISTING EQUIPMENT TO BE RELOCATED OR TO REMAIN SHALL BE RECONNECTED TO CIRCUIT BREAKERS ORIGINALLY FEEDING SUCH EQUIPMENT UNLESS OTHERWISE NOTED.

11. CIRCUIT BREAKERS INSTALLED IN PANELS SHALL BE FULLY COMPATIBLE AND OF THE SAME TYPE, RATING, MODEL AND MANUFACTURER AS PANEL. EXISTING NON-GROUNDING TYPE RECEPTACLES SHALL BE REPLACED WITH GROUNDING TYPE RECEPTACLES. OUTLETS AND RECEPTACLES WITHIN 6 FEET FROM SINKS AS WELL AS WET AND/OR OUTDOOR LOCATIONS SHALL BE PROVIDED WITH GFI RECEPTACLES OR CIRCUITS.

13. WHERE PREVIOUSLY APPROVED BY THE ARCHITECT/ENGINEER, CONTRACTOR MAY REUSE EXISTING RACEWAYS DEEMED IN ACCEPTABLE CONDITION IN ORDER TO MINIMIZE CUTTING OF SLABS PLASTER PARTITIONS, CEILINGS AND FLOORS. ANY CUTTING OF EXISTING SURFACES SHALL BE LIMITED TO THE NARROWEST CUT OR TRENCH THAT WOULD ACCOMMODATE BRANCH CIRCUITING AND OUTLET BOXES.

AFTER THE WORK IS COMPLETED ALL CONDUCTORS SHALL BE COPPER RUN IN RACEWAYS. ALUMINUM WIRING AND ROMEX TYPE NON-METALLIC CABLE ARE NOT ACCEPTABLE; ANY WIRING FOUND DURING REMODELING SHALL BE REPLACED WITH COPPER CONDUCTORS OF EQUAL OR GREATER AMPACITY RUN IN CONDUIT.



Section A-A

Floor Assembly - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. As an alternate, any min 2 hr fire rated D700, D800 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory having a min 2-1/2 in. (64 mm) thickness of lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete topping over the steel deck may be used. Floor may also be constructed of any min 6 in. (152 mm) thick hollow core UL Classified Precast Concrete Units*. Max area of opening is 96 sq in. with a max dim of 16 in. Max diam of opening in floor constructed of hollow-core precast concrete units is 7 in. (178 mm).

See Precast Concrete Units (CFTV) category in Fire Resistance Directory for names of manufacturers.

The F and T Ratings are 2 hr when the min thickness of the concrete floor is less than 4-1/2 in. (114 mm).

. Through-Penetrant - One or more metallic pipes, conduits or tubing installed concentrically or eccentrically within opening. Pipes, conduits, or tubing spaced min 0 in. (0 mm, point contact) to max 1-1/2 in. (38 mm) apart. Annular space between penetrant and periphery of opening shall be min of 0 in. (0 mm, point contact) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of floor assembly. The following types and sizes of penetrants may be used:

A. Steel Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.

C. Conduit - Nom 4 in. (152 mm) diam (or smaller) steel conduit or steel electrical metallic tubing (EMT) or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit. 3. Firestop System - The details of the firestop system shall

be as follows: A. **Packing Material -** Min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to extend through entire thickness of concrete floor except for recess at

thickness of fill material.

top surface of floor to accommodate the required

B. Fill, Void or Cavity Materials* - Sealant or Putty Min 1/2 in. (13 mm) thickness of caulk or putty applied within the annulus, flush with top surface of floor. At point contact, apply min 1/4 in. (6 mm) bead at penetrant/concrete interface on top surface of floor.

SPECIFIED TECHNOLOGIES INC - SpecSeal 100 101, 102, 105, 120 or 129 Sealant, SpecSeal LCI Sealant, SpecSeal Putty, Pensil 300 Sealant of SpecSeal Series SIL300 Sealant for floors or walls and Pensil 300 SL Sealant or SpecSeal Series SIL300SL Sealant for floors only.

W Rating applies only when Pensil 300, SpecSeal Series SIL300, Pensil 300 SL or SpecSeal Series SIL300SL Sealants are used with solid penetrant (not flexible steel conduit).

C. Duct Wrap Material* - Min 1-1/2 in. (38 mm) thick duct wrap tightly wrapped around penetrants to extend 36 in. (914 mm) above floor. An additional layer of min 1-1/2 in. (38 mm) thick duct wrap tightly wrapped around the first layer of duct wrap to extend 12 in. (305 mm) above floor. The spaces between penetrants at the top of the duct wrap is to be tightly-packed with a nominal 2 in. (51 mm) depth of duct wrap material. All longitudinal seams of both layers of duct wrap are sealed with foil

THERMAL CERAMICS INC - FireMaster® Duct Wrap 2x2, FireMaster Duct Wrap 2x2+, FireMaster FastWrap XL, or Pyroscat Duct Wrap XL.

*Bearing the UL Classification Mark



CONCRETE FLOORS OR WALLS

	ELECTRICAL LEGEND
YMBOL	DESCRIPTION
Ş	TOGGLE SWITCH, QUIET TYPE, 20A, 125/27
s _K	KEY SWITCH, QUIET TYPE, 20A, 125/277. N
RL	RELOCATED
RP	REPLACED
E	EXISTING
R	REMOVE
ф	DUPLEX RECEPTACLE GROUNDING TYPE, 20
∯	QUADRUPLEX RECEPTACLE, SAME AS DUPLEX OUTLET ABOVE
\$	DUPLEX RECEPTACLE, SAME AS ABOVE, MH=42" AFF OR ABO
J	OR ABOVE COUNTER JUNCTION BOX FLUSH MOUNTED
	TELEPHONE/DATA JACK OUTLETS, TYPE AS SELECTED BY OW SELECTED BY CLIENT IN 3/4"C, WITH PULL STRING TO TELEPH ELECTRICAL ROOM.
\triangleright	DATA JACK OUTLET, SAME AS ABOVE.
►	TELEPHONE JACK OUTLET, SAME AS ABOVE
_	PANELBOARD, DESCRIPTION PER PANEL SC
-#	HOMERUN TO PANEL, TICKS INDICATE PHAS NO TICKS INDICATE PHASE AND NEUTRAL (
	CONDUIT RUN CONCEALED IN CEILINGS, WA
\sim	FLEXIBLE CONDUIT
□ 0/40-2P	FUSED DISCONNECT SWITCH RATED 250V, INDICATING 2 POL NEMA—1. "3R" INDICATES NEMA—3R POLES, SWITCH SIZE AN
Ð	RECESSED/SURFACE MOUNTED SPEAKER
A	SOUND CHANNEL CIRCUIT SUBSCRIPT TO E
в	SOUND CHANNEL CIRCUIT SUBSCRIPT TO E

UNLESS OTHERWISED NOTED AS EXISTING OR RELOC

APROVED EQUAL EQUIPMENT NOTE: ALTERNATE EQUAL EQUIPMENT OR PRODUCTS ARE ACCEPTABLE IF IT COMPLIES WITH PERFOMANCE,

PARAMETERS, ETC, AS SPECIFIED ON PLANS.

OCCUPANCY SENSORS CONNECT TO FIRE ALARM NFPA 101:7.8.1.2.2.5

> <u>IEWH—1.</u> EEMAX SERIES TWO, MODEL: EX160TC ML 16KW@277V-1PH. 3.0GPM, ACTIVATION FLOW 0.3GPM,

Δ 36°F. 99.0%EF (10.68"Wx10.12"Hx4.32"D) IEWH-2 EEMAX DE-IONIZED,

MODEL: EX240T2T-277DI 480/277V/3PH, 24.0 KW, 4.0GPM, ACTIVATION FLOW 0.7GPM, Δ 41°F, 99.0%EF (18.19"Wx12.14"Hx4.64"D)

IEWH-3 EEMAX DE-IONIZED, MODEL: EX240T3-277DI 480/277V/3PH, 24.0 KW, 5.0GPM, ACTIVATION FLOW 0.7GPM, ∆ 33°F, 99.0%EF (18.19"Wx12.14"Hx4.64"D)

	_	
ID		<u>FIRE ALARM NO</u>
		1. EXISTING FIF REMODELED OPERATIONA
/277. MH=48"AFF		2. UNLESS OTH SHALL BE N CONNECTION
7. MH=48"AFF		3. CONTRACTOR THIS REMOL DEVICE CUT WITH NFPA
		4. COORDINATE
		5. DO NOT IN PROVIDE CO LAYOUT, BA DEVICE CUT WORKING PL
, 20A, MH=18" AFF		DADE COUN
BOVE MH=18"AFF		
r above counter		
Y OWNER, WITH CABLE CAT5 OR AS TELEPHONE/DATA BOARD IN		50
		\boxtimes
BOVE.	UN	LESS OTHERW
SCHEDULE		~~~~~
PHASE AND NEUTRAL AL CIRCUIT		
WALLS OR SLAB		SYMBOL
	{	STMDOL
2 Poles, 60a Switch, 20 amp fuses, Ze and fuses sized as noted on plans.		†⊗
R		
O EACH SPEAKER		
O EACH SPEAKER		0
LOCATED ALL ARE NEW	È	

- IRE ALARM SYSTEM FOR AREAS UNDER THIS PROJECT TO AS SHOWN ON PLANS. FIRE ALARM SYSTEM TO BE FULLY AL DURING AND AFTER PROJECT COMPLETION.
- HERWISE NOTED AS EXISTING OR RELOCATED, ALL COMPONENT NEW. CONTRACTOR SHALL PROVIDE FOR ALL COMPONENTS AND NS AS REQUIRED FOR A COMPLETE SYSTEM.
- R SHALL PROVIDE COMPLETE FIRE ALARM SHOP DRAWINGS FO DDELING. INCLUDING BATTERY, DROP VOLTAGE CALCULATIONS, SHEETS. RE-CERTIFY FIRE ALARM SYSTEM. WORK TO COMPLY 72-2013: 4.6 AND 10.2.1.2.7.
- WITH PAGING SYSTEM SPEAKERS FOR ANNUNCIATOR.
- NSTALL FIRE ALARM PER THIS DRAWING. CONTRACTOR SHA OMPLETE SHOP DRAWINGS SIGNED & SEALED, NOT LIMITED T BATTERY AND VOLTAGE DROP CALCULATIONS, RISER DIAGRAM, SHEETS BEFORE INSTALLATION. FIRE ALARM CONTRACTOR'S LANS SHALL BE SUBMITTED FOR PERMIT APPROVAL TO MIAMI NTY FIRE DEPARTMENT.

FIRE ALARM LEGEND SMOKE DETECTOR STROBE 110 CD

ISED NOTED AS EXISTING OR RELOCATED ALL ARE NEW

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	LIGHTING FIXTURE SCHEDULE
SYMBOL	DESCRIPTION
⊗↓	EXIT SIGN, SINGLE/DUAL FACE, DOWN LIGHT, SURFACE/BRACKET MOUNTED, ARROWS AS NOTED. CONNECTED TO EXISTING EMERGENCY CKT. EXITRONIX ILLUMINEX SERIES THERMOPLASTIC SERIES.
	LED 4' COVERED STRIP LIGHT. 4000K, 32W, 277V. CENTER FIXTURES IN LINEAR SPACE IN 4' LENGTHS.
0	RECESSED LED LIGHTING MODEL: S082C01HN340VBD20W-AC S-SERIES, 8 INCH SURFACE MOUNT, 277V.
Ø	EMERGENCY RECESSED LED LIGHTING TIED TO EXISTING EMERGENCY CIRCUIT. MODEL S082C01HN340VBD20W—AC S—SERIES, 8 INCH SURFACE MOUNT, 277V.
69	OCCUPANCY SENSOR CEILING MOUNTED, MANUFACTURER: ACUITY MODEL CMR PDT 10, 277V, DUAL TECHNOLOGY. TO ACTIVATE NORMAL POWER FIXTURES INSIDE RESTROOMS. ENTRANCE FIXTURES TO BE ON, OUT OF SENSOR. IN RESTROOMS 8104&8105 IF ALL FIXTURES ARE CONNECTED TO EMERGENCY CKT, ACTIVATE HALF OF THE FIXTURES INSIDE RESTROOM, ENTRANCE FIXTURES TO BE ON. OVERRIDE MOTION SENSOR UNDER FIRE ALARM ACTIVATION AS PER FFPC 24.12.1.2.2(5) AND NFPA 101: 7.8.1.2.2.5. SEE DETAILS ON E-800.





JORGE A GUTIERREZ



WHERE TO USE – Interior or exterior under covered surface, new construction and/or retro-fit installations where surface mount or recessed lighting is

TYPICAL APPLICATIONS – Commercial, hospitality, residential, and industrial locations where general illumination is required. Use in breezeways, corridors, offices, hotels, conference rooms, kitchens, multi-family, garages & more.
 DESIGN & CONSTRUCTION – Patented low profile planer design utilizing Light Forward Heat Forward thermal management. 100% aluminum with 40% recycled content. Fixture is >90% recyclable. Durable powder coated finish.
 MOUNTING/INSTALLATION – New Construction: mounts directly into any 2-1/8" deep, 4" Octagonal JBox or 1900-4S JBox. Refit: mounts directly into any 4" or

required. Install in RM, NC, IC, ICAT & Fire Rated applications.

larger recessed fixture with Silescent Recessed Can Conversion Kit. CEILING THICKNESS – Up to 3 inches thick (ceiling depths > 3" available as custom).

DIMMING – Provides both 120VAC Triac/Phase dimming (0.5% - 100% continuous dimming) & Silescent 4-wire digital SimpleNet control. See Silescent Dimming

ADVANCED INTELLIGENT LIGHT ENGINE – Active thermal feedback monitors both LED & driver to protect against risk of overheating and assuring expected life. SERIAL NUMBER CONTROL – Addresses legacy lighting concerns. Each light Engine is serial number controlled should a fixture need to be repaired or replaced.

LISTINGS & COMPLIANCE - ENERGY STAR certified LED Downlight, UL1598 surface

WARRANTY - 5 year limited warranty, both LED and driver. Full warranty details

MADE IN USA - Both driver and fixture are designed, engineered and manufactured

by Silescent Lighting in Ft. Lauderdale FL (ARRA & NAFTA compliant).

FINISH – Powder Coat Finish Standard. Custom plating & colors available (RAL).

LAMP TEMPERATURES (CCT) - 2700, 3000, 3500, 4000 & 5000 Kelvin (CRI>80).

OPTICS - Donut diffuser, Solid diffuser, Double diffuser & Vandal bezel. Provides

D

4

WATTAGE LEVELS - Available in 8, 10, 15 & 20watts. Custom wattages or lumen

mount listed Canada & US (ETL label), wet location under cover ceiling. IP65 &

ULTRA LOW PLENUM - Only requires the depth of installed J-Box.

Capabilities and Compatibility chart at www.silescent.com.

EXTRA LONG LIFE - 100,000 operating hours (@ 10 hrs/day is > 27 years)

TRIM RING STYLES - Round-Dish, Square-Flat, Square-Bevel, Round-Step.

LIGHT DISTRIBUTION - Wide Area Distribution, 170 degrees.

ELECTRICAL – Approved for feed through wiring.

RoHS compliant.

levels available upon request.

**O**RDERING INFORMATION

**O**PTIONS

available at www.silescent.com

70 & 90 CRI available upon request.

Wide Area Distribution, ~170 degree distribution.

Ο

3

## Model: S08-AC

S-SERIES, 8inch SURFACE MOUNT – AC_{input} ENERGY STAR[®] Certified LED Downlight

Low Profile, Fully Integrated LED Light Fixture

Item Code	Туре
Project	-
Comments	Date
Prepared by	1 ,





### **ELECTRICAL DATA**

- Operating Temp: -40C to +40C
- Ambient Temp: <35C
- Operating Voltage:
  - LP3
     103 125VAC, 50 / 60 Hz (continuous dimming)
     HN3/HS3
     H03 285VAC, 50 / 60 Hz
  - Nominal Voltage: 120/240/277V (specify)
- Rated Wattage: <20 watts (see specified fixture photometrics)



### Sample Number: S085C01HN340DM120w

Series/Size	Style	Finish/Color	Driver	Color	Optics	Wattage Levels
S08	5	C01	HN3	40	DM1	20w
<mark>S08</mark> - 8in Surface	<mark>2</mark> - Round/Dish	C01 - PC-White	<b>LP3</b> - 120VAC _{in,} Triac	<b>27</b> - 2700K (80CRI)	DM1 - Diffuser Cover	<b>08w</b> -8 watts
*All configurations are	<b>3</b> - Square/Flat	CO8 - PC-Black	HN3 - 120/277V, On/OFF	<b>30</b> - 3000K (80CRI)	<b>VBD</b> - Bezel Diffuser	<b>10w</b> - 10 watts
ENERGY STAR certified.	<b>4</b> - Square/Bevel	<mark>C16 -</mark> PC-Elec Grey	<b>HS3</b> - 120/277VAC _{in} , SN	<b>35</b> - 3500K (80CRI)	<mark>SD1</mark> - Donut	<b>15w</b> - 15 watts
	<b>5</b> - Round/Step			<mark>40 -</mark> 4000K (80CRI)	<b>SD3</b> - Dbl Diffuser	<mark>20w</mark> -20 watts
				<b>50</b> - 5000K (80CRI)		

### MADE IN USA

Silescent Lighting Corp. • 1417 S.W. 1st Ave. • Ft. Lauderdale, FL 33315 • P: 877.766.8448 • F: 954.206.0071 • <u>www.silescent.com</u> • <u>ledfixture@silescent.com</u> November 1st, 2015

# BLCSLED Series

2'- 8' LED Covered Strips



### DESCRIPTION

The BLCSLED Series includes 2', 4' and 8' covered LED strip lights designed to replace fluorescent strip lighting. The BLCSLED Series delivers general ambient lighting in a variety of indoor settings, including schools, hospitals and stores, and is the perfect choice for both new construction and retrofits. This high-efficacy DLC Premium qualified luminaire provides long-life, uniform illumination and standard 0-10VDC dimming capability.

### SPECIFICATIONS

### **Construction:**

- Steel housing in white finish
- · LED light engine is protected by diffuse acrylic lens

### **Optics/ LEDs:**

- Long life LEDs with up to 122,000 hours of operation with at least 70% of initial lumen output
- Available in 3500K (warm white) 4000K (neutral white) and 5000K (cool white) color temperatures
- 2 Foot luminaire provides 2,348 lumens (117 lumens per watt, LPW) at 3500K; 2,600 lumens (130 LPW) at 4000K; and 2,432 lumens (122 LPW) at 5000K
- 4 Foot luminaire provides 3,811 lumens (119 LPW) at 3500K; 4,224 lumens (132 LPW) at 4000K and 4,256 lumens (133 LPW) at 5000K
- 8 Foot luminaire provides 8,450 lumens (130 LPW) at 3500K; 8,580 lumens (132 LPW) at 4000K and 8, 645 lumens (133 LPW) at 5000K
- Uniform illumination with no visible LED pixelation
- CRI >80

### Electrical:

- 0-10VDC dimming capability is standard
- Universal 120-277VAC, 50/60Hz
- Power factor > 0.90
- Total harmonic distortion <20%

### Testing & Compliance:

- cULus Listed for damp location
- Operating temperatures: -20°C to 50°C (-4°F to 122°F)
- (DLC) Design Light Consortium Premium qualified
- Complies with FCC Part 15, Class A
- Complies with IEEE c.62.41-1991, Class A input transient surge protection (2.5kVA)
- Complies with IEC 61000-4-2 level 2 (4kV) electrostatic discharge (ESD)

### Installation:

· Easy installation in new constructin or retrofit

### Warranty:

• 5 year warranty (terms and conditions apply)



Specs at a Glance			1
Footage	2'	4'	8'
Wattage (W)*	20W	32W	65W
Lumens (Im)	2432	4256	8645
Efficacy (LPW)	122	133	133
ССТ (К)	5000K (3500/4000K)		
CRI	≥80		
Input Voltage	120-277VAC, 50/60Hz		
Operating Temp	-20°C to 50°C (-4°F to 122°F)		
Certifications	cULus Listed for Damp Location, DLC Premium, FCC Class A, 4kV ESD		
Warranty		5 Years	



**Note:** Environment and application will affect actual performance. Typical values and 25°C used for testing.

### Dimensions



	BLCSLED2FT	BLCSLED4FT	BLCSLED8FT
Length (L)	24"	48"	96"
Width (W)	3 3/8"	3 3/8"	3 3/8"
Height (H)	3 1/2"	3 1/2"	3 1/2"
Weight (lbs.)	1.9	2.9	5.1



Model:	Date:
Accessories:	
Job Name:	Туре:

### Ordering Information (BLCSLED2FT-20-35KMV-ET)

SKUs	Description
2 Foot Models	
BLCSLED2FT-20-35KMV-ET	2 foot strip light , 20w, 3500k, 2,348 lumens
BLCSLED2FT-20-4KMV-ET	2 foot strip light , 20w, 4000k, 2,600 lumens
BLCSLED2FT-20-5KMV-ET	2 foot strip light , 20w, 5000k, 2,432 lumens
4 Foot Models	
BLCSLED4FT-32-35KMV-ET	4 foot strip light , 32w, 3500k, 3,811 lumens
BLCSLED4FT-32-4KMV-ET	4 foot strip light , 32w, 4000k, 4,224 lumens
BLCSLED4FT-32-5KMV-ET	4 foot strip light , 32w, 5000k, 4,256 lumens
8 Foot Models	
BLCSLED8FT-65-35KMV-ET	8 foot strip light , 65w, 3500k, 8,450 lumens
BLCSLED8FT-65-4KMV-ET	8 foot strip light , 65w, 4000k, 8,580 lumens
BLCSLED8FT-65-5KMV-ET	8 foot strip light , 65w, 5000k, 8,645 lumens

### Sample Photometry

(Example: BLCSLED4FT-32-5KMV-ET (4,256 lumens)



Candlepower Summary		Zonal Lume Summary	n		
	0°	90°	Zone	Lumens	% Fixture
0°	1,188	1,188	0° - 10°	127	3.0%
10°	1,154	1,169	$0^{\circ} - 20^{\circ}$	490	11.5%
20°	1.064	1.112	$0^{\circ} - 30^{\circ}$	1,035	24.3%
	1,004	-,	$0^{\circ} - 40^{\circ}$	1,689	39.7%
30°	926	1,027	0° - 50°	2,370	55.7%
40°	758	921	0° - 60°	3,004	70.6%
50°	574	794	0° - 70°	3,541	83.2%
60°	391	667	0° - 80°	3,957	93.0%
70°	216	540	0° - 90°	4,256	100.0%
80°	70	427	$90^{\circ}-180^{\circ}$	0	0%
90°	5	328	0° - 180°	4,256	100.0%





7885 North Glen Harbor Blvd Phoenix, Arizona 85307 800.533.3948 barronltg.com

### Lighting Specs for Addendum #4



The Illuminex Series LED Exit Sign combines an attractive, easy-to-install compact contemporary design with proven, ultra-reliable electronics to provide the very best in energy efficient emergency lighting. ILX units are completely self-contained and features universal mounting, canopy included.

### FEATURES

- Ultra-compact, low-profile design
- Easy to install, snap together design
- Rugged, injection-molded UL 94 5VA flame retardant, high-temperature thermoplastic housing
- Universal style includes 2 face plates, a back plate and mounting canopy
- Maintenance-free NiCad battery
- · Flexible mounting Ceiling, wall or end mount
- UL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Fully-illuminated 6" characters with 3/4" stroke
- · Field selectable directional chevrons included for all configurations
- 120/277V dual primary, 60Hz input
- Standard finishes: Black or White
- · Suitable for damp location
- · California Energy Commission (CEC) compliant
- American Recovery and Reinvestment Act (ARRA) compliant (with USA option)

### WARRANTY

Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.

### ORDERING INFORMATION Example: ILX-R-EM-WH

UNDER					
Series	LED Color	Power Source	Finish	Options	Accessories ⁴ (Field Installed)
ILX ¹	R = Red	AC = AC Only	BL ³ = Black	USA = Meets Buy America Requirements	ER1-KIT ² = 1' Pendant Mount Kit
	G = Green	EM = NiCad Battery	WH = White		ER2-KIT ² = 2' Pendant Mount Kit
					VEPA = Pendant Adapter
Notes					WG-1 = Wire Guard (Back Mount)
¹ Includes 2	2nd exit face and back	plate			WG-2 = Wire Guard (End Mount)
² Requires	VEPA accessory optic	on			WG-3 = Wire Guard (Ceiling Mount)
³ Black finis	sh only available with	EM power source			XG-1 = Poly Guard (Back Mount)
⁴ Order as	⁴ Order as separate line item		XG-3 = Poly Guard (Ceiling Mount)		

### **ILLUMINEX Series**

Thermoplastic LED Exit

Model:	Date:
Accessories:	
Job Name:	Type:





### CONSTRUCTION

The ILX series is a precision-molded housing constructed of flame retardant, corrosion-proof thermoplastic. Units resist denting, peeling and scratching.

### ILLUMINATION

Illumination of the ILX series is achieved with high output, long lasting red or green LEDs. An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output.

### ELECTRICAL

### Input

Dual-voltage input 120 or 277VAC @ 60Hz.

### Nickel Cadmium Battery – NiCad (EM Only)

Exitronix nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0°C to 40°C (32°F to 104°F).

### Emergency

The ILX series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

### **Brownout Circuit**

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for a minimum of 90mins until the line voltage is restored.

### Solid-State Transfer

The circuit features solid-state switching for emergency lamps, eliminating concerns of damaged contact or mechanical failures associated with relays. The switching circuit detects a loss of line voltage and automatically switches to emergency mode.

### **Test Button**

The test button is easy to locate and provides manual verification of the transfer circuit and emergency lamps.

### INSTALLATION

Simple snap together universal design allows for faceplate and back plate to be fully interchangeable. Mounting canopy is supplied with all signs and snaps into enclosure with two positive locking tabs.

### Damp Location Rated

Damp location rated fixture that is normally or periodically subject to condensation of moisture in, on or adjacent to, and includes partially protected locations.

### Assembled in the USA (Option: USA)

Can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

### **CONFORMANCE TO CODES & STANDARDS**

The ILX Series is UL listed and meets or exceeds the following: UL 924, CEC, NEC requirements and NFPA 101. American Recovery and Reinvestment Act (ARRA) compliant (with USA option).

### DIMENSIONS





### Catalog Number: CMR PDT 10 277V

Date: 4-14-21

### MOTION SENSOR TO TURN ON/OFF NORMAL LIGHTS. BY PASS MOTION UNDER FIRE ALARM ACTIVATION.

### **OVERVIEW**

The CMR 10 Series incorporates Passive Infrared (PIR) technology into an attractive and economical line powered sensor to provide maximum viewing from the ceiling. When mounted at 9 ft (2.74 m), this sensor views up to 28 ft (8.53 m) in all directions. Its circular coverage pattern is designed for walking motions; making it ideal for T-shaped intersections in corridors, or other areas where wall mounting a sensor is not practical. Low ceiling heights are also best covered with the CMR 10. For example, when mounted at only 7 ft (2.13 m), the height of pick aisles in many distribution centers, the CMR 10 provides a 32 ft (9.75 m) diameter pattern of coverage. For detection of minor motion is also required, the CMR PDT 10 Series Dual Technology sensor is recommended. With optional flash programming via the Sensor Switch VLP mobile device application, the user can easily change time delay, on mode and photocontrol settings.

### **FEATURES**

Warranty

- Push- button programmable, adjustable time delays, and multiple operating modes
- 100 hr lamp burn-in timer
- No field calibration or sensitivity adjustments required









	1 C C C C C C C C C C C C C C C C C C C			
Note: Actual perfor	rmance may differ	as a result of en	d-user environme	ent and application.
Specifications subj	ect to change with	out notice.		

Apple and the Apple logo are trademarks of Apple Inc. Android and Google Play are trademarks of Google, Inc. Other trademarks are property of their respective owners.

Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

		ORDERING	INFORMATION	
CMR 10	D			Example: CMR 10 ADC LT
Series		Detection Technology	Coverage Type	Relay
CMR	Ceiling Mount Sensor	[blank] PIR PDT ¹ Dual Technology (PIR/ Microphonics)	10 Large Motion 360°	[blank] Single Relay 2P ¹ Dual Relays

Control Ty	ре	Voltage	Visible Light Programming	Temp / Humidity
[blank] D ^{1 2} DZ ^{1 3} P ADC ^{1 2}	None Occupancy Controlled Dimming Dual Zone Photocell Photocell Photocell w/ Dimming	blank] 120/277 VAC 347 347 VAC	[blank] none VLP ^{2,4} Visible Light Programming	[blank] Standard LT Low Temp/ High Humidity

1. Not available with 480 option.

- 2. Not available with 2P option.
- 3. Not available with single relay option.

4. Requires PDT.

### **COVERAGE PATTERN**



- Best choice for large motion detection (e.g. walking)
- Viewing angle of 67° in a 360° conical shaped pattern
- Provides 28 ft (8.53 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage



### **TYPICAL WIRING SINGLE RELAY**

### STANDARD WIRING

<b>BLACK</b> *	Line Input	
<b>BLACK</b> *	- Load Output	*BLACK wires can be reversed
WHITE	- Neutral	

### 347 VAC OPTION (347)

Black wires are replaced w/ Red wires

### **DIMMING OPTIONS (D, ADC)**

VIOLET - Connect to Violet control wire from 0-10 VDC dimmable ballast

GRAY - Connect to Gray common wire from ballast

### **INITIAL POWER UP**

The sensor's relay is shipped in a latched closed position so the lights will come on upon initial power-up. If the lights do not immediately turn on (initial installation only) the latching relay opened during shipment and will close within 30 secs.

Note: If the sensor loses power, the internal relay will latch to on.

### **TYPICAL WIRING DUAL RELAY**

### STANDARD WIRING

BLACK*	- Line Input 1
BLACK*	- Load Output 1
BLUE**	- Line Input 2
BLUE**	- Load Output 2
WHITE	- Neutral

BLACK wires can be reversed BLUE wires can be reversed

347 VAC OPTION (347)

Black wires are replaced w/ Red wires





### SENSORS IN PARALLEL

LOAD 00

D, ADC - DIMMING OPTIONS

BLK

WHT BLK

VIO

GRY

N

Sensors may be wired in parallel; however, the maximum load ratings stay the same. Do not wire sensors with P or ADC option in parallel.





CMR 10 (TS-CMR-001A)

### **SPECIFICATIONS**

Electrical	Input Ratings	120/277V, 80 mA, 50/60Hz 347V, 80 mA, 50/60Hz 480V, 80 mA, 50/60Hz				
	Output Ratings	120V, 800W/6.67A - Tungsten, Ballast 120V, 5A- General Purpose 277V, 1200VA/4.3A - Ballast 347V, 4.3A - General Purpose 480V, 5A - General Purpose 125V, 1/4HP - Motor				
	Relay Type	Latching				
	Low Voltage Output Ratings	0-10VDC, Sinks <20mA				
	Class Rating	0-10V Dimming can be wired Class 1 or 2; <u>Do not include if only Class 1</u>				
	Standards/ Ratings	Energy Management Equipment, UL916 (E167435)				
Mechanical	Dimensions	4.55″W x 1.55″D (116mm x 40mm)				
	Mounting	Single-Gang or Octagonal Box, Surface Mount				
	Color	White				
	Finish	Matte				
	Connection Type	Line Voltage Leads				
Environmental	Warrantied Operating Temperature:	Standard: 14°F to 140°F (-10°C to 60°C) LT Option: -4°F to 140°F (-20°C to 60°C)				
	Relative Humidity	Up to 90%, Non-Condensing				
	Environment	Indoor				
	Standards/ Ratings	RoHS				

MIAMI-DADE COUN	NTY, FLORIDA	Aviation Maintenance Department 4331 NW 22 Street. Bldg.3030 Miami, FL 33102 305.876.8322			
COUNTY	RPQ ADDEND	JM			
Addendum No.:	5	Date:	4/20/2021		
Project No.:	AA017C-1	Project Title: MIA I Modernization Sout	Public Restroom h Terminal Group 1		
RPQ No.:	AA017C-1	RPQ Due Date:	4/26/2021		
Project Location:	MIA South Terminal	Project Manager:	A. Portal		

### • Change Bid Due Date from Friday, 4/23/2021 to Monday, 4/26/2021.

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

David Blitch of MCQ Construction Services, Inc., received on 4/15/2021, 1:57PM.

- Q.1 Spec Section 15440-2.3-A.1.a identifies American Standard Model 3351.101 water closet bowls. The architectural specs on sheet A-601 agree with that Specification. The specified product is manufactured by American Standard in Mexico. On sheet P-200, note 1.4 spec ifies that the contractor "SHALL PROVIDE ALL NEW MATERIALS OF AMERICAN MANUFACTURE,...". IF A PARTICULAR PRODUCT IS SPECIFICALLY IDENTIFIED IN THE DOCUMENTS, ARE WE PERMITTED TO DISREGARD THE "...OF AMERICAN MANUFACTURE" NOTE?
- A.1 Disregard Note.





A.2 See attached "Revised Sheet A-501 for Addendum #5".

- Q.3 The lavatory walls are called out to be Wall Type B. The furring needs to be deeper than 7/8" at these walls in order to install the backing for the lavatories. Please confirm.
- A.3 Plumbing fixtures are to be anchored by floor mounted carriers, installed in plumbing chases. In the case of wall type B, chase is behind a CMU wall.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign:

Title:

Signature:





### **Aviation Maintenance Department MIAMI-DADE COUNTY, FLORIDA** 4331 NW 22 Street. Bldg.3030 **Miami, FL 33102** 305.876.8322 MIAMIDADE COUNTY **RPQ ADDENDUM** Addendum No.: 6 Date: 4/21/2021 Project No.: AA017C-1 Project Title: MIA Public Restroom Modernization South Terminal Group 1 RPQ No.: AA017C-1 RPQ Due Date: 4/26/2021 Project Location: MIA South Terminal Project Manager: A. Portal

This Addendum serves to respond to the Request for Information (RFI) submitted by the following Contractors:

David Blitch of MCQ Construction Services, Inc., received on 4/20/2021, 11:21AM.

- Q.1 Each restroom vestibule indicates a 3 Form Panel & a Digital Art Panel. The Vestibule for RR 9204 has 2 3 Form Panels and no Digital Art Panel. Is this Correct?
- A.1 Every group restroom has a 3-Form panel (3FP) and a Digital Art Panel (DAP). To make it more clearly readable, the panels to be located in rooms 9204 and 9205 have been marked red in the attached "Marked Sheet A-104 for Addendum #6".

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign:

Title:	 			

Signature:



Marked Sheet A-104 for Addendum #6

### **MIAMI-DADE COUNTY, FLORIDA**

![](_page_54_Picture_1.jpeg)

Aviation Maintenance Department 4331 NW 22 Street. Bldg.3030 Miami, FL 33102 305.876.8322

### **RPQ ADDENDUM**

Addendum No.:	7	Date:	4/22/2021
Project No.:	AA017C-1	Project Title: MIA P Modernization Sout	Public Restroom h Terminal Group 1
RPQ No.:	AA017C-1	RPQ Due Date:	4/28/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

### • Change Bid Due Date from Monday, 4/26/2021 to Wednesday, 4/28/2021.

Item 1: Clarifications on sheet A-401 - See attached "Revised Sheet A-401 for Addendum #7":

- 1. Provide 6-inch sound attenuation batt insulation in framed walls.
- 2. Standard type X gypsum board allowed from ceilings to deck above.
- 3. For all framed partitions, provide specialty structural engineering for partitions exceeding 12 feet in height, and for partitions requiring splicing, bracing, etc.

Item 2: Clarifications on sheet A-503 - See attached "Revised Sheet A-503 for Addendum #7":

- 1. Ceiling system hanger clips to be Hilti X-CX ALH32 or approved equal at 24 inches on center.
- 2. Ceiling system hanger wire supports to be spaced at 24 inches on center.
- 3. Ceilings to be Dens Armor Plus or approved equal.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____

![](_page_55_Figure_0.jpeg)

	DOOR SCHEDULE													
	DOOR											HWRE		
MAR	ROOM	ROOM NAME	WIDTH	HEIGHT		MATERIAL	TYPE	CORE	FINISH	FRAME	FIRE RATING	THRESHOLD	GROUP	KE
1	J2298	PLUMBING CHASE	2'-Ø"	8'-3"	1-3/4"	STEEL	FLUSH		STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES. MATCH EXIST.
2	J23Ø6	MACHINE ROOM	3'-Ø"	8'-3"	1-3/4"	STEEL	FLUSH		STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES. MATCH EXIST.
3	RR9206	ASSISTED RESTR <i>OO</i> M	3'-Ø"	"@-'۲	1-3/4"	STEEL	FLUSH	INSULATED	STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES. MATCH EXIST.
4	J2294	JANITOR'S CLOSET	' 3'-Ø"	"@-'۲	1-3/4"	STEEL	FLUSH	INSULATED	STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES. MATCH EXIST.
5	J2298	PLUMBING CHASE	2'-Ø"	"@-'۲	1-3/4"	STEEL	FLUSH	INSULATED	STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES. MATCH EXIST.
6	J2298	PLUMBING CHASE	2'-Ø"	"@-'۲	1-3/4"	STEEL	FLUSH	INSULATED	STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES, MATCH EXIST.
Г	J2584	PLUMBING CHASE	2'-Ø"	8'-Ø"	1-3/4"	STEEL	FLUSH		STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES, MATCH EXIST,
8	RR9255	ASSISTED RESTROOM	3'-Ø"	8'-Ø"	1-3/4"	STEEL	FLUSH		STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES, MATCH EXIST.
Э	J2764	PLUMBING CHASE	2'-Ø"	ד'-Ø"	1-3/4"	STEEL	FLUSH		STAINLESS STEEL	STAINLESS STEEL	-	YES	-	SEE NOTES, MATCH EXIST.

![](_page_55_Figure_4.jpeg)

![](_page_56_Figure_0.jpeg)

MIAMI-DADE COUN	VTY, FLORIDA	Aviation Maintenance Department 4331 NW 22 Street. Bldg.3030 Miami, FL 33102 305.876.8322				
COUNTY	RPQ ADDENDU	ĴΜ				
Addendum No.:	8	Date:	4/27/2021			
Project No.:	AA017C-1	Project Title: MIA Pu Modernization South	blic Restroom Terminal Group 1			
RPQ No.:	AA017C-1	RPQ Due Date:	5/4/2021			
Project Location:	MIA South Terminal	Project Manager: A	A. Portal			

• Change Bid Due Date from Wednesday, 4/28/2021 to Tuesday, 5/4/2021.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign: _____

Signature: _____

### MIAMI-DADE COUNTY, FLORIDA

![](_page_58_Picture_1.jpeg)

### **RPQ ADDENDUM**

Addendum No.:	9	Date:	4/29/2021
Project No.:	AA017C-1	Project Title: MIA Pu Modernization South	iblic Restroom Terminal Group 1
RPQ No.:	AA017C-1	RPQ Due Date:	5/10/2021
Project Location:	MIA South Terminal	Project Manager: A	A. Portal

### • Change Bid Due Date from Tuesday, 5/4/2021 to Monday, 5/10/2021.

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Johnny Dao of Florida Construction & Engineering, Inc., received on 4/25/2021, 5:55PM.

- Q.1 Please Confirm that F & I speakers belong to audio subcontractor, and Electrical subcontractor provide only raceway and pull string.
- A.1 Correct. Work needs to be coordinated. GC to provide a complete and operational system.
- Q.2 Does Fire alarm's scope of work is run by another FA subcontractor?
- A.2 Honeywell. See A.56 on Addendum #3 for contact info. FA work needs to be coordinated. GC to provide a complete and operational system.
- Q.3 Provide information to get the distance between electrical room (H2721, H2791, H1791) and restroom (RR254, RR9204, RR8104).
- A.3 Motion sensors to be connected to existing lighting circuits, panels at 277V, go to existing rooms shown on plans, RMS 2M40, J2732. Refer to revised motion sensor detail on attached "Revised Sheet E-800 for Addendum #9" and sensor model on revised schedule on attached "Revised Sheet E-000 for Addendum #9".

- Q.4 Which is the panel schedule for 12UA-CL5? Some circuits are fed from this panel.
- A.4 Disregard typo. All hand dryer circuits noted as 12UA-CL5 are connected to replaced panel 1F2UA-CP1 circuits 2 to 30. Panel 1F2UA-CP1 is shown on sheet E-300. Refer to revised floor plans on attached:

"Revised Sheet E-400 for Addendum #9" "Revised Sheet E-500 for Addendum #9" "Revised Sheet E-600 for Addendum #9" "Revised Sheet E-700 for Addendum #9"

- Q.5 The plans E-000 says "emergency recessed led lighting tied existing emergency circuit", it means they have an emergency kit incorporated, too.
- A.5 No, it means the lighting fixture is connected to an emergency circuit. No back up battery for the emergency fixtures.
- Q.6 The lights fixtures that are marked (RL), can they be reused or should they be changed by new ones?
- A.6 All fixtures to be replaced new. Refer to revised floor plans on attached:
  "Revised Sheet E-400 for Addendum #9"
  "Revised Sheet E-500 for Addendum #9"
  "Revised Sheet E-600 for Addendum #9"
  "Revised Sheet E-700 for Addendum #9"
- Q.7 How about the conduits and wire for lights fixtures and speakers are marked (RL)? Should they be considered to run new ones?
- A.7 All relocated (RL) devices will need new conduits and wiring to the new location.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor:

Name of Individual Authorized to Sign:

Title: _____

Signature: _____

PART 1 – <u>GENERAL</u>

- 1.1 GENERAL: THE GENERAL AND SPECIAL CONDITIONS AND REQUIREMENTS OF THE CONTRACT AND SPECIFICATIONS AS WELL AS PLANS AND SPECIFICATIONS OF OTHER DISCIPLINES AND TRADES SHALL APPLY AND BE PART OF THE WORK HEREBY SPECIFIED. THESE SPECIFICATIONS AND THE ACCOMPANYING PLANS ARE INTENDED TO PROVIDE FOR THE COMPLETE FURNISHING AND INSTALLATION OF THE ELECTRICAL SYSTEMS. "PROVIDE" MEANS CONTRACTOR SHALL FURNISH AND INSTALL.
- 1.2 COMPLIANCE: WORKMANSHIP, MATERIALS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 2017 AND ADDENDUMS, MDAD GUIDELINES, THE LATEST EDITION OF NFPA, NEMA, NEC, ASTM, OSHA, HRS, HEALTH AGENCIES, AND OTHER APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND PERTAINING REGULATIONS ESTABLISHED BY RULING AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL ALSO MEET OTHER RECOGNIZED STANDARDS AND REQUIREMENTS, WHERE SUCH ARE MORE STRINGENT THAN THOSE CITED ABOVE.
- 1.3 WORKMANSHIP: ALL WORK SHALL BE PERFORMED BY CONTRACTORS LICENSED IN THEIR RESPECTIVE DISCIPLINES. WORK SHALL BE DONE IN A FIRST CLASS MANNER, FULLY OPERATIVE, AND TO THE ACCEPTANCE OF THE ARCHITECT/ENGINEER. CONTRACTOR SHALL PROVIDE FOR ALL NECESSARY LABOR AND MATERIALS REQUIRED FOR COMPLETION OF THE WORK INCLUDING BUT NOT LIMITED TO CONNECTIONS TO RELATED WORK SUCH AS CONNECTION TO EXISTING SYSTEMS, EXCAVATIONS AND BACKFILLING.
- 1.4 MATERIALS: CONTRACTOR SHALL PROVIDE ALL NEW MATERIALS OF AMERICAN MANUFACTURE, BEARING THE UNDERWRITER'S LABORATORY (UL) LABEL AS APPLICABLE. MATERIALS SHALL B ACCEPTABLE AND ABOVE STANDARD QUALITY NORMALLY USED FOR THE PURPOSE AS CALLED FOR ON PLANS. SUPPLEMENTAL MATERIALS, PRODUCTS AND COMPONENTS NECESSARY TO COMPLY WITH THE INTENT OF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. BUT NOT NOTED OR SPECIFIED ON THESE SECTIONS. SHALL BE PROVIDED BY CONTRACTOR AS REQUIRED FOR COMPLETION OF THE WORK AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISIONS AND COORDINATION OF DELIVERY OF MATERIALS. EQUIPMENT MARRED DURING SHIPMENT OR INSTALLATION SHALL BE TOUCHED UP AND REFINISHED TO FACTORY FINISH, REPLACED WHERE NOT ACCEPTABLE.
- 1.5 PERMITS & INSURANCE: CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS, TESTS, FINES AND OTHER ITEMS AS REQUIRED FOR THE INSTALLATION OF COMPLETE ELECTRICAL SYSTEMS AS OUTLINED HEREIN AND SHOWN ON PLANS. PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK
- 1.6 EXISTING CONDITIONS: BEFORE BIDDING CONTRACTOR SHALL VISIT THE JOB SITE AND ASCERTAIN ALL EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. FAILURE TO DO SO WILL NOT BE ACCEPTED AS A REASON FOR REQUESTING EXTRA PAY WHERE THE EXISTING CONDITIONS RESULT IN EXTRA MATERIAL OR LABOR. ANY EXISTING CONDITION FOUND BY THE CONTRACTOR WHICH WILL ADVERSELY AFFECT THE WORK SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENTS OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- 1.7 UTILITY COMPANIES: BEFORE SUBMITTING BID CONTRACTOR SHALL CHECK WITH WATER, SEWER, GAS, ELECTRICAL, TELEPHONE/DATA, CABLE/TV AND OTHER UTILITY COMPANIES SUPPLYING SERVICE TO THIS INSTALLATION TO DETERMINE INSTALLATION STANDARDS, METERING, EQUIPMENT, UNDERGROUND CONDUIT REQUIREMENTS AND COSTS TO BE INCLUDED IN THE BID. EXCEPT WHERE UTILITY REQUIREMENTS CHANGE AFTER SUBMITTAL, WHERE NOT SPECIFIED ON PLANS PROVIDE AT LEAST (1)2"C FOR EACH LOW VOLTAGE UTILITY (TEL/DATA, CABLE/TV). NO EXTRA PAYMENT WILL BE MADE TO THE CONTRACTOR FOR SUCH ITEMS. PROVIDE TEMPORARY ELECTRICAL SERVICES FOR ALL TRADES AS REQUIRED.
- 1.8 PLANS: DRAWINGS ARE GENERALLY DIAGRAMMATIC, INTENDED TO SHOW APPROXIMATE EQUIPMENT LOCATIONS AND ARRANGEMENTS, NOT TO SHOW EVERY MINOR DETAIL. PLANS SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION AND DIMENSIONS.
- 1.9 INTERFERENCE: CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES SO THAT INTERFERENCES WITH EXISTING CONDITIONS, CONDUITS, PIPING, EQUIPMENT, ARCHITECTURAL, STRUCTURAL MEMBERS WILL BE AVOIDED.
- 1.10 SHOP DRAWINGS: PRIOR TO PLACING AN ORDER AND BEFORE INSTALLATION. SUBMIT FOR REVIEW PROPERLY IDENTIFIED AND BOUND SHOP DRAWINGS AND MANUFACTURER'S LITERATURE GIVING SPECIFICATIONS, DETAILS, COMPLIANCE, UL APPROVAL, MATERIALS, FINISHES, ACCESSORIES AND INSTALLATION DIRECTIONS WHERE REQUIRED OF THE EQUIPMENT SPECIFIED. FACTORY CERTIFIED PRINTS SHALL BE FURNISHED FOR ALL MAJOR ITEMS OF EQUIPMENT AND SPECIFIED. SUBMISSION OF EQUIPMENT FOR APPROVAL SHALL BE MADE COMPLETE AND ALL AT THE SAME TIME.
- 1.11 SUBSTITUTIONS: PRODUCTS AND MATERIALS CALLED OUT BY TRADE NAME AND/OR CATALOG NUMBERS ESTABLISH A STANDARD OF QUALITY, APPEARANCE, PERFORMANCE AND DIMENSION. CONTRACTOR SHALL BASE HIS PROPOSAL ON THOSE ITEMS AS THEY SHALL BE CONSIDERED AS A STANDARD BASIS OF BIDDING. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED IN writing to the architect/engineer, demonstrating that product is of comparable and basic design, construction standards and warranties, dimensions to fit without CHANGE, AND DOES NOT CAUSE EXTRA WORK FOR OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVING EQUALITY OF SUBSTITUTIONS; ARCHITECT/ENGINEER WILL, UNDER NO CIRCUMSTANCES, BE REQUIRED TO PROVE SUCH ITEM IS OR IS NOT OF EQUAL QUALITY TO THE SPECIFIED ITEM. ARCHITECT/ENGINEER EXPENSES INCURRED DUE TO CONTRACTOR'S REQUESTED REVISIONS OR SUBSTITUTIONS SHALL BE PAID BY CONTRACTOR.
- 1.12 GUARANTEES: AFTER THE SYSTEM IS INSTALLED, THE CONTRACTOR SHALL CONDUCT AN OPERATIVE TEST FOR APPROVAL AND ACCEPTANCE BY THE ARCHITECT/OWNER. ALL ELECTRICAL INSTALLATION AND WORK, INCLUDING PARTS AND LABOR, SHALL BE GUARANTEED AS PER MDAD'S STS-01810.
- 1.13 RECORD DRAWINGS: MAINTAIN A COMPLETE SET OF PRINTS FOR INDICATING ALL CHANGES. USE COLORED PENS TO MARK CHANGES AT THE TIME OF EXECUTION AND DELIVER THE SET TO ARCHITECT/ENGINEER UPON COMPLETION. CONTRACTOR SHALL STAMP "AS BUILT" ON PRINTS AND PLANS, DATE AND SIGN IN INK. WORK SHALL NOT BE CONSIDERED COMPLETED UNTIL SUCH PLANS ARE REVIEWED AND APPROVED BY ARCHITECT/ENGINEER.

<u>PART 2 – PRODUCTS</u>

- 2.1 SHOP DRAWINGS: SUBMIT SHOP DRAWINGS OF THE FOLLOWING PRODUCTS:
- A. CIRCUIT BREAKERS, SWITCHES.
- B. WIRING, CABLING, CONDUITS, RACEWAYS, FLOOR AND OUTLET BOXES. WRING DEVICES: RECEPTACLES, OUTLETS, LIGHT SWITCHES, PLATES.
- D. LIGHTING FIXTURES, LAMPS AND RELATED HARDWARE. TIMECLOCKS AND CONTACTORS.
- MISCELLANEOUS SYSTEMS: FIRE ALARM, CONTROLS.
- 2.2 DISCONNECTS: SWITCHES SHALL BE QUICK-MAKE QUICK-BREAK ACTION, LOCKABLE TYPE, SERVICE DISCONNECT SHALL BE SERVICE RATED, HEAVY-DUTY TYPE, PROVIDE DUAL ELEMENT FUSES FOR MOTOR DRIVEN MECHANICAL EQUIPMENT SIZED PER MANUFACTURER'S RECOMMENDATION. FIELD COORDINATE FUSE SIZE WITH EQUIPMENT NAMEPLATE BEFORE ACTUAL INSTALLATION. MANUFACTURER SHALL BE GE, SQUARE-D, EATON, OR APPROVED EQUAL.

2.3 RACEWAYS:

- A. GRS AND IMC: HOT-DIPPED GALVANIZED INCLUDING THE THREADS. PROVIDE FOR EXTERIOR LOCATIONS, WHERE EXPOSED TO PHYSICAL DAMAGE AND FOR ELBOWS, ELLS AND RISERS INTO GROUND AND SLAB. INSTALL ELLS AND RISERS STUBBED UP 6 INCHES FROM CONCEALED SLAB RUNS, 48" ABOVE GROUND WHERE EXPOSED ON WALL. PAINT RACEWAYS BELOW SLAB OR FINISHED EXTERIOR GRADE WITH TWO (2) COATS OF BITUMASTIC PAINT UP TO A POINT 2" ABOVE SLAB. IMC SHALL NOT BE USED UNDERGROUND IN OR BELOW THE GROUND FLOOR
- B. EMT: MAY BE USED FOR INTERIOR SPACES IN DRY LOCATIONS, WHERE NOT EXPOSED TO PHYSICAL DAMAGE. FITTINGS SHALL BE STEEL. C. PVC SCHEDULE 40 SHALL NOT BE USED, EXCEPT FOR RUNS UNDER OR WITHIN SLAB WITH A MINIMUM OF THREE (3) INCHES OF CONCRETE COVERAGE ON ALL SIDES.
- D. FLEXIBLE METALLIC CONDUIT: LIGHTING FIXTURES, MOTORS, TRANSFORMERS AND VIBRATING EQUIPMENT CONNECTIONS IN LENGTHS NOT TO EXCEED 18". PVC JACKETED FLEXIBLE METAL CONDUIT FOR LOCATIONS OUTSIDE AND/OR EXPOSED TO MOISTURE. GREENFIELD OR APPROVED EQUAL.
- E. RUNS BELOW SLAB SHALL BE PROVIDED WITH A YELLOW RIBBON TAPED ALONG TRENCH 6" BELOW GRADE FOR RACEWAY IDENTIFICATION.
- 2.4 CONDUCTORS: SOFT-DRAWN 98% CONDUCTIVITY COPPER INSTALLED IN CONDUIT. EQUIVALENT ALUMINUM CONDUCTORS AND CONDUITS MAY BE USED FOR MAIN FEEDERS FROM T/F TO MAINS, PANELS AND LARGE MOTORS. MINIMUM SIZE SHALL BE #12 FOR POWER WIRING, #14 FOR CONTROL CIRCUITS. PROVIDE #10 WIRES FOR 120V POWER CIRCUIT HOMERUNS LONGER THAN 100 FEET. INSULATION SHALL BE 600V THHN/THWN FOR GENERAL USE, THW IN SIZES #6 AND ABOVE, COLOR CODED THROUGHOUT PER NEC AND TRADE STANDARDS. WRING IN DUCTS, PLENUMS AND OTHER AIR HANDLING SPACES SHALL COMPLY WITH NEC 300.22.
- 2.5 SPLICES SHALL BE MADE WITH UL LISTED MECHANICAL PRESSURE SOLDERLESS CONNECTORS, BURNDY SERVITS TYPE OR APPROVED EQUAL. FEEDER SPLICES AND TERMINATIONS SHALL BE MADE MECHANICALLY USING COMPRESSION TYPE SLEEVES OR LUGS AND CONNECTION TO PANELS AND SWITCHES AS MANUFACTURED BY BURNDY, THOMAS & BETTS, OR APPROVED EQUAL.
- 2.6 WRING DEVICES SHALL BE FLUSH MOUNTED, HEAVY DUTY SPECIFICATION GRADE AND SHALL BE LISTED WITH A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) SUCH AS UL LISTED. MANUFACTURER SHALL BE LEVITON, OR APPROVED EQUAL.
  - A. SWITCHES: 20A 120/277V, SINGLE POLE, THREE-WAY WHERE NOTED. SWITCHES IN THE SAME AREA SHALL BE GANGED TOGETHER IN THE SAME BOX.
  - B. RECEPTACLES: 20A 120V GROUNDING TYPE DUPLEX. SPECIAL OUTLETS RATED TO MATCH CIRCUIT BREAKERS AS NOTED ON PLANS; QUADRUPLEX OUTLETS AND SWITCH/OUTLET COMBINATIONS SHALL HAVE THE SAME FACE PLATE. ISOLATED GROUND TYPE SHALL BE PROVIDED WITH SEPARATE ISOLATED GROUND WRE.
  - C. TELEPHONE AND DATA OUTLETS: TELEPHONE/DATA JACKS AND WIRING AS SELECTED BY USER UNLESS OTHERWISE NOTED; OTHERWISE, PULL WIRE WITH 12" SLACK AT EACH END, RUN IN 3/4" CONDUIT. WHERE PREVIOUSLY APPROVED BY RULING AUTHORITIES AND ENGINEER, RACEWAYS MAY BE INDIVIDUALLY TERMINATED ABOVE DROP CEILING WITH SMOOTH 90-DEGREE BEND AND PLASTIC BUSHING.
  - D. MOUNTING HEIGHTS: WHERE NOT ESTABLISHED ON PLANS OR LEGEND, MOUNTING HEIGHT SHALL BE AS FOLLOWS OR TO MATCH HEIGHTS ESTABLISHED BY EXISTING DEVICES. MH = 18"AFF – GENERAL AREA RECEPTACLES, TELEPHONE AND DATA OUTLETS.
  - MH = 42"AFF COUNTER RECEPTACLES, TELEPHONES AND DATA OUTLETS. MH = 52"AFF - WALL MOUNTED PHONES
  - $MH = 48^{\circ}AFE SWITCHES$ MH SHALL BE CONSIDERED TO THE BOTTOM OF EACH OUTLET JUNCTION BOX.
- 2.7 TELEPHONE CABINET/BOARD SHALL BE PROVIDED WITH A 3/4" THICK EXTERIOR GRADE PLYWOOD BACKBOARD PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT UL LISTED ON ALL SIDES AND EDGES. UNLESS OTHERWISE NOTED, BOARD SIZE SHALL BE 4'W X 8'H. PROVIDE DEDICATED 20A DUPLEX AND #6 GROUNDING ELECTRODE.
- 2.8 LIGHTING FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY LAMPS, BALLASTS, WIRING, LAMP HOLDERS REFLECTORS, GLASSWARE, POLES, BASES AND MOUNTING ACCESSORIES AS REQUIRED TO PROVIDE FOR A COMPLETE INSTALLATION. INTERIOR FIXTURES SHALL HAVE 100% VIRGIN ACRYLIC PRISMATIC DIFFUSERS. LIGHTING FIXTURES SHALL BE SELECTED BY ARCHITECT/TENANT AND LANDLORD, PROVIDED BY CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR, FINISH AND EXACT MOUNTING DETAILS. ALL FIXTURES SHALL BE ENERGY SAVING ELECTRONIC BALLAST AND LAMPS. PROVIDE CIRCUIT TIME CLOCK (T/C) OR LIGHTING PANEL CONTACTORS FOR EXTERIOR OR INTERIOR LIGHTING NOT SHOWN WITH SWITCHES. PROVIDE T/C OR LIGHTING PANEL CONTACTOR TO SHUT DOWN LIGHTING WITH OVERRIDE SWITCH FOR ALL SPACES LOCATED IN BUILDINGS LARGER THAN 5,000 SQFT AS PER FBC ENERGY.

PART 3 - EXECUTION

- 3.1 TESTS: PROVIDE ALL NECESSARY INSTRUMENTS AND SPECIAL APPARATUS TO CONDUCT ANY TESTS THAT MAY BE REQUIRED TO INSURE SYSTEM IS FREE OF ALL IMPROPER GROUNDS AND SHORT CIRCUITS AND THAT ALL FEEDERS ARE PROPERLY BALANCED. SYSTEM SHALL BE CHECKED FOR QUALITY, CAPACITY AND THAT ALL FEEDERS ARE PROPERLY BALANCED. SYSTEM Shall be checked for quality, capacity and completeness to conform with the full requirements and intent of the drawings and specifications.
- 3.2 CONDUIT RUNS, RACEWAYS AND PIPING SHALL BE CONCEALED IN WALLS, CEILINGS, SLABS AND PARTITIONS; NO RACEWAY SHALL BE EXPOSED WITHIN INTERIOR SPACES. ALL OUTLETS AND WIRING DEVICES SHALL BE FLUSH MOUNTED.
- 3.3 GROUNDING AND BONDING SHALL COMPLY WITH NEC 250. ALL METALLIC RACEWAYS SHALL BE GROUNDED AND BONDED PER NEC 250. NON-METALLIC RACEWAYS SHALL BE PROVIDED WITH A GROUNDING CONDUCTOR SIZED PER NEC 250.122.
- 3.4 ELECTRICAL EQUIPMENT SPACE AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC 110-26A AND 408.2. WIRING IN DUCTS, PLENUMS AND OTHER AIR HANDLING SPACES SHALL COMPLY WITH NEC.
- 3.5 PANELBOARDS, SWITCHES, CONTROLLERS, CONTROL PANELS, TIMECLOCKS, AND OTHER ELECTRICAL COMPONENTS SHALL BE CLEARLY AND PERMANENTLY IDENTIFIED. INDICATE PANELBOARDS CIRCUITS ON UPDATED TYPED DIRECTORY CARD HOLDERS WITH PLASTIC COVER AND METAL FRAME INSTALLED ON INSIDE OF PANELBOARD DOOR. MARK CONDUCTORS WITH PREPRINTED ADHESIVE MARKERS AS MANUFACTURED BY W.H. BRADY CO., THOMAS & BETTS, OR APPROVED EQUAL.
- 3.6 CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS, CUTTING AND REPATCHING AS REQUIRED FOR THE PROPER EXECUTION OF THIS WORK.
- 3.7 CONTRACTOR SHALL FIELD SPOT LOCATION OF WIRING DEVICES TO VERIFY AND GET APPROVAL FROM THE ARCHITECT BEFORE INSTALLATION.
- 3.8 UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN OR BE RELOCATED, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND PROVIDED BY THIS CONTRACTOR. EXISTING EQUIPMENT TO BE REMOVED NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE JOB SITE AS DIRECTED. FIELD VERIFY BEFORE REMOVAL
- 3.9 CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR A COMPLETE CONTROL SYSTEM AND SEQUENCE OF OPERATION OF THE MECHANICAL AND PLUMBING EQUIPMENT AND SYSTEMS, INCLUDING AHU OUTSIDE AIR MOTORIZED DAMPER SHUT DOWN AND INTERLOCK WITH AHU'S. PROVIDE RELAYS, POWER AND CONTROL WIRING AS REQUIRED, COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS AND REFER TO MECHANICAL AND PLUMBING PLANS BEFORE BIDDING.

3.10 WHERE WORK ON EXISTING EQUIPMENT IS REQUIRED, SPECIAL ATTENTION SHALL BE GIVEN TO CONDITIONS OF PANELS AND SWITCHING EQUIPMENT. MODIFY EXISTING PANELS AND EQUIPMENT

WORK SHALL INCLUDE PROVISIONS OF ALL MATERIALS, CUTTING, EXTENSIONS, CONNECTIONS, PATCHING, PAINTING, REPAIRING, ADAPTING AND OTHER WORK INCIDENTAL THERETO, TOGETHER

COORDINATION PROCEDU

NATURE.

COMPLETED.

Revised Sheet E-000 for Addendum #9

BY THE ADDITION OF CIRCUIT BREAKERS, WIRING, AND OTHER EQUIPMENT AS REQUIRED IN ORDER TO PROVIDE A COMPLETE AND OPERATING SYSTEM. CIRCUIT BREAKERS AND SWITCHES INSTALLED IN EXISTING PANEL BOARDS AND SWITCHING DEVICES SHALL BE OF THE SAME MANUFACTURER AND FULLY COMPATIBLE WITH THE COMPONENTS PROVIDED. EXISTING EQUIPMENT OR DEVICES INADVERTENTLY DE-ENERGIZED OR DISCONNECTED SHALL BE RE-ENERGIZED AND MADE OPERABLE AT NO ADDITIONAL COST.

ELECTRICAL REMODELING AND DEMOLITION NOTES:

ALL WORK AND MATERIALS SHALL BE NEW AND PROVIDED BY THIS CONTRACTOR UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN OR BE RELOCATED. WORK SHALL ALSO INCLUDE THE REMOVAL AND DISPOSAL OF MATERIALS FROM THE SITE AND THOROUGH CLEANING OF THE PREMISES UPON COMPLETION OF THE WORK AS DIRECTED BY ARCHITECT.

WITH SUCH TEMPORARY CONNECTIONS AS MAY BE REQUIRED. ANY WORK NOT SHOWN OR SPECIFICALLY MENTIONED ON PLANS AND/OR SPECIFICATIONS BUT CONSIDERED NECESSARY FOR COMPLETION OF THE WORK IN THE PROPER MANNER SHALL BE PROVIDED BY THIS CONTRACTOR WITHOUT ADDITIONAL CHARGE.

WHERE PRESENT WORK IS DAMAGED IN THE EXECUTION OF THIS CONTRACT, OR WHERE OPENINGS ARE LEFT DUE TO THE REMOVAL OF PIPES, EQUIPMENT OR APPARATUS, THE SAME SHALL BE REPAIRED OR CLOSED UP TO CORRESPOND IN MATERIAL, QUALITY, SHAPE AND FINISH WITH THAT OF SIMILAR AND ADJOINING WORK, UNLESS OTHERWISE CALLED FOR. WHERE DAMAGE S UNREPAIRABLE, NEW ITEMS OR EQUIPMENT SHALL BE PROVIDED. PROVIDE ALL NECESSARY WATERPROOFING, FIRE STOPPING AND SEALING OF PENETRATIONS LEFT FROM REMOVED EQUIPMENT OR PRODUCED BY THIS WORK.

INTERRUPTION OF EXISTING SERVICES AND/OR OPERATION OF FACILITIES SHALL BE KEPT TO A MINIMUM. CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED WHENEVER TEMPORARY CONNECTIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE. INTERRUPTION OF EXISTING SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO THE NEW WORK SHALL BE DONE ONLY AT SUCH TIMES PERMITTED AND SCHEDULED THREE DAYS IN ADVANCE BY THE ARCHITECT/TENANT AND OWNER WITHOUT ADDITIONAL COST. CARE MUST BE USED IN REMOVING SERVICES TO AREAS BEING DEMOLISHED SO THAT SERVICES TO OTHER AREAS WHICH MIGHT BE SERVED THROUGH THESE AREAS WILL NOT BE INTERRUPTED.

WHERE DEMOLITION WORK REQUIRES TEMPORARY INTERRUPTION OF ELECTRICAL, TELEPHONE, TV, ALARM OR COMMUNICATION SERVICES, RESPECTIVE UTILITIES AND/OR COMPANY REPRESENTATIVES SHALL BE NOTIFIED AS NECESSARY AND ALL WORK DONE UNDER THEIR SUPERVISION AND ESTABLISHED STANDARDS.

A. MDAD WILL COORDINATE TO THE FULLEST EXTENT POSSIBLE IN ARRANGING ACCESS WITHIN AN EXISTING BUILDING OR AREA FOR DEMOLITION WORK: HOWEVER MDAD SHALL RESERVE THE RIGHT TO DISALLOW SUCH ACCESS AT ANY TIME THAT ACCESS WOULD DISRUPT, ENDANGER OR INTERFERE WITH NECESSARY ACTIVITY OR THOSE OF AN UNAVOIDABLE OR EMERGENCY

B. DEMOLITION SHALL BE SCHEDULED SO AS TO MAINTAIN AIRPORT OPERATIONS AND SHALL NOT CLOSE OR OBSTRUCT ANY CONCOURSE OR OTHER OCCUPIED OR USED FACILITIES WITHOUT WRITTEN AUTHORIZATION FROM MDAD.

ALL LIGHTING FIXTURES, RECEPTACLES, SWITCHES, WIRING DEVICES, SPECIAL OUTLETS, TELEPHONE CABLES, TV CABLES, MISCELLANEOUS SYSTEM WIRING, POWER CONDUCTORS, CONDUITS ELECTRICAL BOXES, RACEWAYS AND ANY OTHER ELECTRICAL SYSTEM COMPONENTS LOCATED IN THE AREAS SHOWN AS BEING DEMOLISHED OR NOT USED AFTER WORK IS COMPLETED SHALL BE REMOVED UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN OR BE RELOCATED. RELOCATED LIGHTING FIXTURES SHALL BE RELAMPED/REBALLASTED, WITH DIFFUSERS REPLACED/REFURBISHED AS REQUIRED. CONDUITS RUN IN SLAB IN FINISHED AREAS SHALL BE CUT FLUSH, PLUGGED AND ABANDONED AFTER CONDUCTORS ARE REMOVED; WHERE PREVIOUSLY APPROVED BY ARCHITECT, CUT 6" INCHES FROM SLAB AN CAP ACCORDINGLY WHERE TERMINATED IN OTHER AREAS. NO WIRING SHALL BE LEFT ABANDONED AFTER WORK IS

EXISTING AREAS WHERE NO ELECTRICAL WORK IS TO BE DONE SHALL REMAIN CONNECTED TO EXISTING PANEL(S) OR BE RECONNECTED TO CIRCUITS AS NOTED ON PLANS. DISCONNECTS, PROTECTION AND WIRING SHALL MATCH EXISTING WIRING CONNECTION.

10. EXISTING EQUIPMENT TO BE RELOCATED OR TO REMAIN SHALL BE RECONNECTED TO CIRCUIT BREAKERS ORIGINALLY FEEDING SUCH EQUIPMENT UNLESS OTHERWISE NOTED.

11. CIRCUIT BREAKERS INSTALLED IN PANELS SHALL BE FULLY COMPATIBLE AND OF THE SAME TYPE, RATING, MODEL AND MANUFACTURER AS PANEL.

12. EXISTING NON-GROUNDING TYPE RECEPTACLES SHALL BE REPLACED WITH GROUNDING TYPE RECEPTACLES. OUTLETS AND RECEPTACLES WITHIN 6 FEET FROM SINKS AS WELL AS WET AND/OR OUTDOOR LOCATIONS SHALL BE PROVIDED WITH GFI RECEPTACLES OR CIRCUITS.

13. WHERE PREVIOUSLY APPROVED BY THE ARCHITECT/ENGINEER, CONTRACTOR MAY REUSE EXISTING RACEWAYS DEEMED IN ACCEPTABLE CONDITION IN ORDER TO MINIMIZE CUTTING OF SLABS, PLASTER PARTITIONS, CEILINGS AND FLOORS. ANY CUTTING OF EXISTING SURFACES SHALL BE LIMITED TO THE NARROWEST CUT OR TRENCH THAT WOULD ACCOMMODATE BRANCH CIRCUITING AND OUTLET BOXES.

AFTER THE WORK IS COMPLETED ALL CONDUCTORS SHALL BE COPPER RUN IN RACEWAYS. ALUMINUM WIRING AND ROMEX TYPE NON-METALLIC CABLE ARE NOT ACCEPTABLE; ANY WIRING FOUND DURING REMODELING SHALL BE REPLACED WITH COPPER CONDUCTORS OF EQUAL OR GREATER AMPACITY RUN IN CONDUIT.

![](_page_60_Figure_84.jpeg)

Section A-A

**Floor Assembly -** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. As an alternate, any min 2 hr fire rated D700, D800 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory having a min 2-1/2 in. (64 mm) thickness of lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete topping over the steel deck may be used. Floor may also be constructed of any min 6 in. (152 mm) thick hollow core UL Classified Precast Concrete Units*. Max area of opening is 96 sq in. with a max dim of 16 in. Max diam of opening in floor constructed of hollow-core precast concrete units is 7 in. (178 mm).

See Precast Concrete Units (CFTV) category in Fire Resistance Directory for names of manufacturers.

The F and T Ratings are 2 hr when the min thickness of the concrete floor is less than 4-1/2 in. (114 mm).

2. Through-Penetrant - One or more metallic pipes, conduits or tubing installed concentrically or eccentrically within opening. Pipes, conduits, or tubing spaced min 0 in. (0 mm, point contact) to max 1-1/2 in. (38 mm) apart. Annular space between penetrant and periphery of opening shall be min of 0 in. (0 mm, point contact) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of floor assembly. The following types and sizes of penetrants may be used:

A. Steel Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

- B. Iron Pipe Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe
- C. Conduit Nom 4 in. (152 mm) diam (or smaller) steel conduit or steel electrical metallic tubing (EMT) or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit
- 3. Firestop System The details of the firestop system shall be as follows:
- A. Packing Material Min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to extend through entire thickness of concrete floor except for recess at top surface of floor to accommodate the required thickness of fill material.
- B. Fill, Void or Cavity Materials* Sealant or Putty -Min 1/2 in. (13 mm) thickness of caulk or putty applied within the annulus, flush with top surface of floor. At point contact, apply min 1/4 in. (6 mm) bead at penetrant/concrete interface on top surface of floor.

SPECIFIED TECHNOLOGIES INC - SpecSeal 100, 101, 102, 105, 120 or 129 Sealant, SpecSeal LCI Sealant, SpecSeal Putty, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for floors or walls and Pensil 300 SL Sealant or SpecSeal Series SIL300SL Sealant for floors only.

W Rating applies only when Pensil 300, SpecSeal Series SIL300, Pensil 300 SL or SpecSeal Series SIL300SL Sealants are used with solid penetrant (not flexible steel conduit).

C. **Duct Wrap Material*** - Min 1-1/2 in. (38 mm) thick duct wrap tightly wrapped around penetrants to extend 36 in. (914 mm) above floor. An additional layer of min 1-1/2 in. (38 mm) thick duct wrap tightly wrapped around the first layer of duct wrap to extend 12 in. (305 mm) above floor. The spaces between penetrants at the top of the duct wrap is to be tightly-packed with a nominal 2 in. (51 mm) depth of duct wrap material. All longitudinal seams of both layers of duct wrap are sealed with foil

THERMAL CERAMICS INC - FireMaster® Duct Wrap 2x2, FireMaster Duct Wrap 2x2+, FireMaster FastWrap XL, or Pyroscat Duct Wrap XL.

*Bearing the UL Classification Mark

![](_page_60_Picture_101.jpeg)

![](_page_60_Picture_102.jpeg)

					JORGE A GUTIERREZ ARCHITECT LLC 14400 NW 77th Ct. Suite 104, Miami Lakes, Florida 33016 Telephone 786–657–235 Cell 954–804–3517 WWW.JAGAIA.COM
	FLECTRICAL LEGEND	FIRE ALARM NOTE		l r	
SYMBOL	DESCRIPTION	1. EXISTING FIRE REMODELED AS OPERATIONAL D	ALARM SYSTEM FOR AREAS UNDER THIS PROJECT TO BE SHOWN ON PLANS. FIRE ALARM SYSTEM TO BE FULLY URING AND AFTER PROJECT COMPLETION.		QROJ. VITA
	TOCCLE SWITCH OWET TYPE 204 125/277 MH-48"AFE	2. UNLESS OTHER SHALL BE NEW	MSE NOTED AS EXISTING OR RELOCATED, ALL COMPONENTS CONTRACTOR SHALL PROVIDE FOR ALL COMPONENTS AND		No 59535 ★ ★
s _K	KEY SWITCH, QUIET TYPE, 20A, 125/277. MH=48"AFF	3. CONTRACTOR S THIS REMODELL	HALL PROVIDE COMPLETE FIRE ALARM SHOP DRAWINGS FOR NG. INCLUDING BATTERY, DROP VOLTAGE CALCULATIONS,		PR STATE OF
RL	RELOCATED	WITH NFPA 72-	2013: 4.6 AND 10.2.1.2.7.		SS/ONAL EN
E	EXISTING	4. COORDINATE W	IH PAGING SYSTEM SPEAKERS FOR ANNUNCIATOR.		PABLO J. VITERI PE# 59535
R	REMOVE	PROVIDE COMPILAYOUT, BATTE	LETE SHOP DRAWINGS SIGNED & SEALED, NOT LIMITED TO TRY AND VOLTAGE DROP CALCULATIONS, RISER DIAGRAM, HEETS DEFORE INSTALLATION FIDE ALADM CONTRACTOR'S		
φ	DUPLEX RECEPTACLE GROUNDING TYPE, 20A, MH=18" AFF	WORKING PLAN DADE COUNTY F	S SHALL BE SUBMITTED FOR PERMIT APPROVAL TO MIAMI FIRE DEPARTMENT.		7
	QUADRUPLEX RECEPTACLE, SAME AS DUPLEX OUTLET ABOVE MH=18"AFF				
	DUPLEX RECEPTACLE. SAME AS ABOVE $MH=42^{\circ}$ AFE OR ABOVE COUNTER		FIRE ALARM LEGEND		RE LE
₩	OR ABOVE COUNTER				BID RFI
J	JUNCTION BOX FLUSH MOUNTED	S™ ⊠ S1	ROBE 110 CD		ATE 2/21 B 27/21
	TELEPHONE/DATA JACK OUTLETS, TYPE AS SELECTED BY OWNER, WITH CABLE CAT5 OR AS SELECTED BY CLIENT IN 3/4"C, WITH PULL STRING TO TELEPHONE/DATA BOARD IN ELECTRICAL ROOM.		NITOR/RELAY MODULE		NO. DV
$\triangleright$	DATA JACK OUTLET, SAME AS ABOVE.		NOTED AS EXISTING OR RELOCATED ALL ARE NEW		PROJECT MANAGER
	TELEPHONE JACK OUTLET, SAME AS ABOVE.		NOTED AS EXISTING ON NELOCATED ALL AND NEW		ABEL OPORTO, PE, ENGEEER 3 MIAMI-DADE AVIATION DEPARTMENT 305-869-3876
_	PANELBOARD, DESCRIPTION PER PANEL SCHEDULE				
	HOMERUN TO PANEL, TICKS INDICATE PHASE AND NEUTRAL				
	CONDUIT RUN CONCEALED IN CEILINGS WALLS OR SLAB		LIGHTING FIXTURE SCHEDULE		26 0 N
		SYMBOL	DESCRIPTION		LBN 331
60/40-2P	Flexible Conduit Fused Disconnect Switch Rated 250V, indicating 2 Poles, 60A Switch, 20 AMP Fuses, Nema—1. "3R" indicates Nema—3R Poles, Switch Size and Fuses Sized as Noted on Plans.	$\overrightarrow{\otimes}$	EXIT SIGN, SINGLE/DUAL FACE, DOWN LIGHT, SURFACE/BRACKET MOUNTED, ARROWS AS NOTED. CONNECTED TO EXISTING EMERGENCY CKT. EXITRONIX ILLUMINEX SERIES THERMOPLASTIC SERIES.	oies.	NIZA (10 0% SU
(SP)	RECESSED/SURFACE MOUNTED SPEAKER		LED 4' COVERED STRIP LIGHT. 4000K, 32W, 277V. CENTER FIXTURES	nic co	
A	SOUND CHANNEL CIRCUIT SUBSCRIPT TO EACH SPEAKER			)21 slectro	
B	SOUND CHANNEL CIRCUIT SUBSCRIPT TO EACH SPEAKER	0	RECESSED LED LIGHTING MODEL: S082C01HN340VBD20W-AC S-SERIES, 8 INCH SURFACE MOUNT, 277V.	04/27/20 Isidered on any e	ROU RA01 MIAM
		0	EMERGENCY RECESSED LED LIGHTING TIED TO EXISTING EMERGENCY CIRCUIT. MODEL S082C01HN340VBD20W-AC S-SERIES, 8 INCH SURFACE MOUNT, 277V.	ri, PE on e not cor e verified	M S DCUM DCUM
APROVED ALTERNATE ACCEPTABL PARAMETER	EQUAL EQUIPMENT NOTE: EQUAL EQUIPMENT OR PRODUCTS ARE E IF IT COMPLIES WITH PERFOMANCE, S, ETC, AS SPECIFIED ON PLANS.		OCCUPANCY SENSOR CEILING MOUNTED, MANUFACTURER: LEVITON, MODEL OSC10-MDW, 277V/60/1P, MULTI TECHNOLOGY WITH 12-24VDC CLASS 1 OR 2 FOR FIRE ALARM AND MANUAL SWITCH. O.S TO ACTIVATE NORMAL POWER FIXTURES INSIDE RESTROOMS. ENTRANCE FIXTURES TO BE ON, OUT OF SENSOR IN RESTROEMS 8104&8105 IF ALL FIXTURES ARE CENNECTED TE EMERGENCY CKT, ACTIVATE HALF OF THE FIXTURES INSIDE RESTROEM, OVERRIDE SENSOR SWITCH UNDER FIRE ALARM ACTIVATION AS PER FFPC 24.12.1.2.2(5) AND NFPA 101:7.8.1.2.2.5. SEE DETAILS ON E-800.	d and sealed by Pablo Vite copies of this document ar uthentication code must be	RESTROO RMINAL – Struction DC Ject # EDP- ST 42ND AVEN
NC OC AL	DTE: CUPANCY SENSORS CONNECT TO FIRE ARM NFPA 101: 7.8.1.2.2.5		ER PACK CEILING MOUNTED, PROVIDE 12"X12" CEILING ACCESS PANEL. JFACTURER: LEVITON, MODEL OPP20-RD4, INPUT 277V/12-24VDC SWITCH PIR VANCANCY SENSOR WITH SELF ADAPTIVE, LEVITON, L: ODS15-TDI, 277V SWITCH, LEVITON, MODEL: 1221-2KL, 277V WITH POWER PACK S I OR 2, 277V/12-24VDC	as been digitally signed tal Signature. Printed c sealed and the SHA au	PUBLIC UTH TEF III B - CON PRO
		Å	<u>ــــــــــــــــــــــــــــــــــــ</u>	3166 This item he com using a Digi com signed and	DROJECT NAME
	SCOPE OF WORK AN	D NOTES:		Doral, FL 3; ifo@pjveng. /ww.pjveng.	ELECTRICAL
	1. SCOPE OF WORK CONSIST TERMINAL AND CONCOUR	ts of remodeling of this exist se "j" within scope of work A	ING AREA ON EXISTING RESTROOMS ON EXISTING SOUTH REA, AS SHOWN ON PLANS. COMPLY WITH FBC 2017 AND	3 email: ir v	NOTES

![](_page_60_Picture_104.jpeg)

EWH-3 EEMAX DE-IONIZED, MODEL: EX240T3-277DI 480/277V/3PH, 24.0 KW, 5.0GPM, ACTIVATION FLOW 0.7GPM, ∆ 33°F, 99.0%EF (18.19"Wx12.14"Hx4.64"D)

**SILL** (800) 992-1180 • (908) 526-8000 • FAX (908) 231-8415 • E-Mail:techserv@stifirestop.com • Website:www.stifirestop.com 2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR MULTIPLE METAL PIPE THROUGH

Created or Revised: April 19, 2010

Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876

Reproduced courtesy of Underwriters Laboratories, Inc.

CONCRETE FLOORS OR WALLS

- NEC 2014 AND ADDENDUMS. COMPLY WITH THE REQUIREMENTS OF ASHRAE 90.1 (2010) SECTION 8 AS ADOPTED BY THE SIXTH EDITION (2017) FLORIDA BUILDING CODE IN THE ENERGY CODE (FBC CE 405). REPLACE, RELOCATE AND ADD NEW RECEPTACLES, OUTLETS AND LIGHTING FIXTURE, AS SHOWN ON PLANS. BEFORE COMMENCING WORK CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, AND COORDINATE WITH ARCH/PLUMBING, MECHANICAL PLANS FOR DUCTWORK LOCATIONS AND CEILING SPACES.
- PROVIDE ACCESS FOR ALL ELECTRICAL PANELS AS PER NEC.
- UNLESS OTHERWISE NOTED AS EXISTING OR RELOCATED, CONTRACTOR SHALL PROVIDE FOR ALL NEW COMPONENTS AND CONNECTIONS AS REQUIRED FOR A COMPLETE SYSTEM.
- NO MECHANICAL OR PLUMBING PIPING SHALL BE RUN ABOVE ELECTRICAL EQUIPMENT, RELOCATE EXISTING PIPING AS REQUIRED.
- ALL LUMINARIES SHALL HAVE A LISTING WITH A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) SUCH AS UL.
- B. ALL EQUIPMENT SHALL BE UL LISTED. PERFORM X-RAY AS REQUIRED IN CONCRETE SLAB BEFORE CORING TO RUN CONDUITS TO AVOID STRUCTURAL
- 0. REMOVE ALL WIRING, CONDUIT, SWITCHES NOT BEING RE-USED. REFER TO DEMOLITION PLAN, AND NOTES. 11. ALL LIGHTING FIXTURES SHALL HAVE A MINIMUM 6IN SPACING FROM EXISTING FIRE SPRINKLERS.
- $\# \square$  $\supset \vdash \bigcirc$ O4ЧЧ ΟV 5 CL (L  $\odot$  $\bigcirc$  $\odot$  $\sim$ NAME CAL SHEET TITLE DRAWN CHECKED DATE 2-13-2020 SCALE JOB. NO. 190709 SHEET

2

![](_page_61_Picture_0.jpeg)

![](_page_61_Figure_1.jpeg)

![](_page_61_Figure_2.jpeg)

![](_page_61_Picture_3.jpeg)

![](_page_61_Figure_4.jpeg)

![](_page_61_Figure_6.jpeg)

![](_page_62_Figure_0.jpeg)

# ELECTRICAL ENLARGED RESTROOMS WOMEN RR9204 - MEN RR9205-ASSISTED 9206 AND JANITOR CL J2294 FLOOR PLAN

SCALE: 1/4" = 1'-0"

![](_page_62_Picture_4.jpeg)

### Revised Sheet E-500 for Addendum #9

![](_page_62_Figure_6.jpeg)

# SOUTH TERMINAL J- SECOND LEVEL

![](_page_62_Picture_10.jpeg)

NOTE: DO NOT INSTALL FIRE ALARM PER THIS DRAWING. BEFORE INSTALLATION FIRE ALARM CONTRACTOR'S WORKING PLANS SHALL BE SUBMITTED FOR APPROVAL TO MIAMI DADE COUNTY FIRE DEPARTMENT. EMERGENCY LIGHTS NFPA 101.7.9 EXIT LIGHTS NFPA 101 7 10 01.7.10

![](_page_63_Figure_1.jpeg)

![](_page_63_Figure_3.jpeg)

![](_page_63_Figure_5.jpeg)

SOUTH TERMINAL J- SECOND LEVEL

SCALE: 1/4" = 1'-0"

Florida 33016 Telephone 786-657-2352 Cell 954-804-3517 WWW.JAGAIA.COM No 59535 - ★ STATE OF PABLO J. VITERI PE# 59535 BID RFI I BID RFI NO. DATE 04/12/21 04/27/21 PROJECT MANAGER ABEL OPORTO, PE, ENGEEER 3 MIAMI-DADE AVIATION DEPARTMENT 305-869-3876 ERNIZATION 33126 SUBMIT 10RR  $\triangleleft$ 8 ORID, 00  $\bigcirc$  $\bigcirc$ //2021 ∋d  $\geq$ GROI RESTROOMS ment are CONSTRUCTION PROJECT # EI HWEST 42ND A  $\triangleleft$ l and sealed by I copies of this do PUBLIC REST OUTH TERMIN/ adigitally signed anature. Printed co NORTI MIA PUI SOUTH PHASE III B This item has been using a Digital Sign signed and sealed s 2100 PROJECT NAME ELECTRICAL ENLARGED FLOOR PLANS SHEET TITLE NW 786) DRAWN 7791 Tel: CHECKED date 2–13–2020 SCALE јов. no. 190709 SHEET E-600 

JORGE A GUTIERREZ ARCHITECT LLC

14400 NW 77th Ct. Suite 104, Miami Lakes,

![](_page_64_Figure_0.jpeg)

![](_page_64_Figure_1.jpeg)

 $\Lambda$ 

### COMPLEX PAGING SYSTEM CONDUIT NOTES:

- 1. THE ELECTRICAL CONTRACTOR WILL PROVIDE A CONDUIT SYSTEM FOR THE CPS. CONDUIT SYSTEM INCLUDES ALL CONDUITS, RELATED CONDUIT FITTINGS, JUNCTION BOXES, TERMINAL CABINETS, FLOOR BOXES, FLOOR BOX COVERS, FLOOR BOX INSERTS, AND OUTLET BOXES EXCEPT AS OTHERWISE NOTED.
- 2. ELECTRICAL CONTRACTOR PROVIDES A PULL STRING IN ALL PAGING SYSTEM CONDUITS.
- 3. CONDUIT QUANTITIES AND SIZES HAVE BEEN CHOSEN BASED UPON SYSTEM REQUIREMENTS. DO NOT COMBINE MULTIPLE RUNS INTO LARGER CONDUITS.
- 4. ALL CONDUITS WILL BE FERROUS METALS, BONDED TO GROUND EVEN IN OR BELOW SLABS. CONDUITS IN OR BELOW SLABS WILL BE RIGID METALLIC CONDUITS. SEAL JOINTS TO PREVENT LEAKING.
- 5. NO FLEX CONDUIT IS TO BE USED IN THE CPS UNLESS OTHERWISE NOTED.
- 6. ALL CONDUITS CARRYING AUDIO SIGNALS ARE NOT TO BE RUN PARALLEL TO POWER CONDUITS UNLESS THE SPACING EXCEEDS 2'0".
- 7. THE SIGNAL LEVEL CONDUIT SEPARATION INDICATED ON DRAWINGS (MICROPHONE, LINE, SPEAKER, INTERCOM, VIDEO, CONTROL, RF, AND AC) IS TO BE MAINTAINED.
- 8. THE MAXIMUM LENGTH OF ANY CONDUIT RUN, THE MAXIMUM AMOUNT OF BEND BETWEEN PULL-BOXES, AND THE RELATIONSHIP BETWEEN LENGTH AND BENDS SHALL BE LIMITED PER ELECTRICAL SPECIFICATIONS.
- 9. ALL CONDUITS TO BE 3/4" UNLESS OTHERWISE NOTED.
- 10. WHERE SEVERAL LARGE BOXES ARE USED SIDE BY SIDE, A MINIMUM OF 4" SHOULD BE LEFT BETWEEN THE ADJACENT SIDES.
- ^{11.} IF SEVERAL LARGE JUNCTION BOXES OR TERMINAL CABINETS ARE USED SIDE BY SIDE TWO 2" CONDUITS MUST BE PROVIDED BETWEEN THEM.
- ^{12.} INSULATE ANNOUNCEMENT CONTROL SYSTEM EQUIPMENT ENCLOSURE FROM INCOMING METAL CONDUITS WITH PVC TO EMT CONNECTOR IN TOP OF ENCLOSURE.

![](_page_65_Figure_15.jpeg)

![](_page_66_Picture_0.jpeg)

Aviation Maintenance Department 4200 NW 22 Street, Bldg 3030 Miami, Fl 33159

June 3, 2021 Joaquin Esquivia CONBUILD L.L.C. 10274 NW 88th Terrace Doral, FL 33178

CERTIFIED MAIL No: TELEPHONE: (786) 613-1656

Re: Recommendation for Award for CICC 7040-0/07 Contract - RPQ NO: AA017C-1 MIA Public Restroom Modernization South Terminal Group 1 MIA South Terminal

Dear Joaquin Esquivia:

In accordance with Sections 2-8.3 and 2-8.4 of the Code of Miami-Dade County and Implementing Order 3-21, this letter serves to notify you and all bidders on this solicitation that your firm has been recommended for award of the referenced Request for Price Quotation (RPQ) based on the bid submitted on Monday, May 10, 2021. Pursuant to the referenced legislation, the three (3) day protest period shall commence upon the filing of this recommendation to award with the Clerk of the Board. This contract award will be effective only in accordance with the conditions of the solicitation, which requires execution by both parties of the Notice to Proceed (NTP).

The value of this award is \$2,788,028.10 and the UAP shall apply. This award amount includes the base bid amount of \$2,434,571.00, a contingency amount of \$243,457.10 and a Dedicated amount of \$110,000.00. The contract term is 390 calendar days. The award is contingent upon the submission and approval of Insurance Certificates listing the required coverage for General Liability, Auto Liability (Owned, Non-owned and Hired Vehicles) and Workers Compensation as required by Florida Statue Chapter 440. Additional documents may be required as listed below:

MIA Public Restroom Modernization South Terminal Group 1

1. Copy of required licenses.

2. Fully executed and current Payment & Performance Bond Certificate.

3. ISO 14001: 2015 Awareness Self-Training Module certificates.

4. Certificates of insurance in accordance with the RPQ documents.

5. Workforce plan including Form RFTE-2, RFTE-3, and executed Job Clearing Affidavit for approval in writing by the SBD.

6. Copy of your firm's Safety Plan.

7. The OSHA Form 300 containing a list of the company's work-related injury and illness data for the previous three years.

8. OSHA inspection data for the previous three years.

The preceding Documents are required as outlined within the RPQ project specification and the MCC 7040 Plan. They must be submitted to the Aviation within 10 business days of receipt of this letter. In the event additional insurance is required, it also must be submitted within 10 business days. Failure to submit the documents within the specified time frame, or an extension approved by the County, will result in the award being rescinded.

Subsequent to the review and approval of the referenced documents, you are required to obtain the necessary permits in the time frame stipulated in the RPQ. Upon obtaining the permit(s), copies must be submitted to the Project Manager prior to commencement of work. No work is to be performed without a permit (if applicable). Following receipt of the permit(s), the Project Manager may schedule a pre-construction conference and issue a Notice to Proceed authorizing the performance of the work.

This letter shall also serve as a reminder that this contract is a Small Business Enterprise – Construction (SBE-Con) 100% set-aside. All construction work must be performed by contractors certified in accordance with Section 10-33.02 of the Code of Miami Dade County. The scope of work must be performed in accordance with the contract terms and conditions, all permits and inspections and in accordance with all applicable Federal, State and local laws, codes and regulations. Should you have any questions please contact Adrian Portal, Project Manager, at 305-876-8315.

Sincerely,

Ana Finol, P.E **Division Director** 

CC: Ralph Cutie MDAD, Ana Finol MDAD, Juan Paan MDAD, Silvia Perez MDAD, Gary Hartfield ISD, Laurie Johnson ISD, Marcia Martin ISD, Yuleisy Hernandez MDAD, Olga Valverde COB, Adrian Portal MDAD, James P. Ferreira MDAD,

Conbuild, LLC, Allied Contractors, Inc.,

Florida Construction & Engineering, Inc., Shovel Construction, LLC, Epic Consultants, Inc., MCQ Construction Services, Inc.

![](_page_67_Picture_0.jpeg)

Daniella Levine Cava, Mayor

Aviation Maintenance Department 4200 NW 22 Street, Bldg 3030 Miami, Fl 33159

CERTIFIED MAIL No:

TELEPHONE: (786) 613-1656

August 23, 2021 Joaquin Esquivia CONBUILD L.L.C. 10274 NW 88th Terrace Doral, FL 33178

Re: Notice To Proceed for MCC 7040 Plan - RPQ NO: AA017C-1 MIA Public Restroom Modernization South Terminal Group 1 MIA South Terminal

Dear Joaquin Esquivia:

This letter will serve as your notification that you are to proceed with the work described in RPQ #AA017C-1 starting Monday, August 30, 2021, and that all work must be completed on schedule in accordance with the contract documents. The time allotted for the contract is 390 consecutive calendar days which results in a scheduled completion date of Saturday, September 24, 2022. In the event the project is not completed by the scheduled completion date and a time extension has not been granted, your firm shall be subject to any liquidated and or stipulated damages as defined in the contract documents for this project.

MIA Public Restroom Modernization South Terminal Group 1

The complete execution of this notice to proceed shall constitute a contract for the work described in the Request for Price Quotation (RPQ) under the MCC 7040 Plan. Failure to properly execute and return this document within ten (10) calendar days of the date of this letter may result in the County rescinding the award to your firm and awarding the subject project to the next lowest responsive and responsible bidder.

The terms and conditions applicable to this contract are in the 7040 Contract and 7040 Amendment #1, dated 10/18/2002 and 3/1/2005 respectively, and the totality of the contract documents (including but not limited to the RPQ including any special provisions contained therein, drawings and specifications, addenda, and any contract modifications or change orders etc).

This letter will also serve as a reminder that all work must be performed in accordance with the contract documents and in accordance with all applicable Federal, State and local laws, codes and regulations. In accordance with the contract procedure, the Miami-Dade County Purchase Order Release Number is 0000053962.

Should you have any questions regarding this notification, please contact Adrian Portal at 3058768315.

Sincerely,

Ana Finol, P.E. Division Director

CC: Ana Finol, MDAD; Sylvia Novela, MDAD; Juan Paan, MDAD; Yuleisy Hernandez, MDAD; Silvia Perez, MDAD; James P. Ferreira, MDAD; Adrian Portal, MDAD; Laurie Johnson, ISD; Marcia Martin, ISD; Dayron Perez, ISD; Olga Valverde, COB; Project File.

![](_page_68_Picture_0.jpeg)

Daniella Levine Cava, Mayor

Aviation Maintenance Department 4200 NW 22 Street, Bldg 3030 Miami, Fl 33159

August 23, 2021 Joaquin Esquivia CONBUILD L.L.C. 10274 NW 88th Terrace Doral, FL 33178

CERTIFIED MAIL No: TELEPHONE: (786) 613-1656

Re: Notice To Proceed for MCC 7040 Plan - RPQ NO: AA017C-1 MIA Public Restroom Modernization South Terminal Group 1 MIA South Terminal

### TO BE COMPLETED BY THE CONTRACTING FIRM

I understand and accept the terms and conditions for the 7040 RPQ #AA017C-1 referenced above and hereby acknowledge the Notice to Proceed date of Monday, August 30, 2021.

NOTARY PUBLIC STATE OF FLORIDA

Note: Whoever is signing above is authorized to bind the corporation and must be an officer of the corporation as verified through the Florida Division of Corporations.

譶

### **AVIATION DE**

### **Purchase Order**

AVIATION DEPARTMENT 4200 NW 36TH Street Miami FL 33102 United States Supplier: 0000020209 CONBUILD L.L.C. 10274 NW 88TH TERRACE DORAL FL 33178	Pu AV Pa N3 Bu VI	CHANGE ORDER rchase Order IAT-0000053962 yment Terms Freight 0 Destin yer VIAN Reina GONZALEZ Ship To: 1C30401C Warehouse F 4331 NW 22 Miami FL 33 United States	Date 08/16/202 Terms ation Phone -MD Bldg 3040 nd Street 122 s	Dispatch via Revision 1 1 - 08/24/2	Print Page 021 1 Ship Via Common Carrier Currency
Tax Exempt? Y Tax Exempt ID: 59-6000573 Line-Sch Item/Description	Mfg ID	Attention: Not Specified Bill To: Accounts Pa P.O. Box 526 MIAMI FL 33 United States Replenishment Op Quantity UOM	yable 624 152-6624 s tion: Standard <b>PO Price</b>	Extended Amt	Due Date
<pre>1- 1</pre>		1.00EA 2,434	,571.00	2,434,571.00	08/16/2021
Contract ID: MCC-PROGRAM-7040		Contract Line: 0	Category Line:	0 Release	: 239
2- 1 RPQ AA017C-1, Project AA017C-1: General Interior Renovation of 10 existing Restrooms Contingency = \$243,457.10, EA502, AV3201 Acct 942100 O&M 468		1.00EA 243	,457.10	243,457.10	08/16/2021
Contract ID: MCC-PROGRAM-7040		Contract Line: 0	Category Line:	0 Release	: 240
3- 1 RPQ AA017C-1, Project AA017C-1: General Interior Renovation of 10 existing Restrooms Dedicated Allowance = \$110,000.00, EA502, AV3201 Acct 942100 O&M 468		1.00EA 110	,000.00	110,000.00	08/16/2021
Contract ID: MCC-PROGRAM-7040		Contract Line: 0	Category Line:	0 Release	: 241
		Total PO Amount		2,788,028.10	

**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 DN: cn=Vivian R. Gonzalez o=Program controls, email=vgonzalez@miani-airport.com, c=US Date: 2021.08.24 09:55:19-04000