


Memorandum



Date: January 27, 2016

To: Gary Hartfield, Division Director
Internal Services Department, Small Business Development

From: Milton L. Collins, Associate Director 
Miami-Dade Aviation Department, Minority Affairs Division

Subject: SBE/Construction & SBE/Goods & Services Recommendation
Re-Submittal British Airways Airside Improvements - Package "A" MIA D21 Galleries
Lounge-Project No. TAC-R Project T-172A (R)

RECOMMENDATION:

This is a re-submittal request for the Small Business Development Division to approve the re-submittal of the subject project in order for the Aviation Department to proceed with the **British Airways Airside Improvements-Package "A" MIA D231 Galleries Lounge, Project No. TAC-R Project #T-172A**. This project was reviewed by SBD on 6/19/2015 and a project worksheet was issued. (Copy of Worksheet attached). Our office was advised by British Airways that this project was being re-submitted due to the contract not being advertised within the (180) days after review by SBD. The Contract Estimated Amount; Scope of Services; Minimum Qualifications and Breakdown of Services to be performed have not changed.

This project will have an SBE/Construction Goal of 17.43%. The project will also have SBE/Goods & Services goal of .25%. The SBE/Goods & Services goal is based on availability of firms to supply provide Office Supplies and Computers. The estimate of these two items totals \$5,460.00. As previously discussed with SBD, the estimates for Training were considered for MDAD Badging. Therefore, .25% of \$2.7 Million is approximately the total of these two items.

The Term of the contract is for (175) Calendar days. The Contract estimated amount is \$2,710,961.00. The Recommended Contract Measures are: 17.43% SBE/Construction Goal and .25% SBE/Goods & Services Goal. CWP will be applicable (Breakdown is Attached).

BACKGROUND:

Package "A" is a "Shell Only" project that provides access to a 3rd level space that British Airways will build out as its Premium Lounge near D21. This project allows the currently landside 3rd level space to be accessed from the concourse converting it to leasable airside space.

SCOPE OF SERVICES:

The Airside Improvements portion of this project provides the base building requirements to provide a stairway from the concourse level to the 3rd level Lounge and all the associated utility relocations required to accommodate this stair. Some of the utilities included in this scope are the adjacent tenant's (Island Chicken Grill) exhaust fan, various electrical and communication conduits, HVAC ducts, etc. It will also include work to extend an existing elevator that currently runs from the ramp level to the 2nd level, up to the 3rd level. This work will require that a new penthouse be built on the roof of the building. Existing security utilities, along with related elevator utilities will need to be relocated from the existing penthouse to accommodate the new elevator shaft.

Re-Submittal British Airways Airside Improvements –
Package "A" MIA D21 Galleries Lounge
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SCOPE OF SERVICES CONTINUED:

Scope to add back-of-house (BOH) corridor to the adjacent Island Chicken Grill will also be included per MDAD's direction. This will require that existing electrical panels be relocated as well as re-working of the adjustment of the existing fire alarm, fire sprinkler, public address system, etc., to accommodate the BOH corridor.

The Airside Improvements Project will leave finishes "bare" and the Lounge project (TAC-N #T-172B) will complete the finishes scope in the Airside Improvements footprint with British Airways finishes.

Please advise our office if there are questions. You may contact me at (305) 876-7221 or C. Corrales at (305) 876-7991.

Attachments

cc: C. De la Horra, Heery International, Inc.
G. Owens, MDAD
S. Negreira, MDAD
L. Johnson, SBD
E. Etienne, SBD
C. Corrales, MDAD
Project File

REVISED MDAD's CONTRACT MEASURES AND ANALYSIS WORKSHEET

To: Gary Hartfield, Division Director
Internal Services Department, Small Business Division

From: Milton L. Collins, Associate Director
Miami-Dade Aviation Department
Minority Affairs Division



PROJECT/CONTRACT TITLE: British Airways Airside Improvements
Package "A" MIA D21 Galleries Lounge

PROJECT/CONTRACT NUMBER: TAC-R Project No. T-172A

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: \$2,710,961.00

FUNDING SOURCE: TAC-R

DESCRIPTION OF PROJECT/BID:

The Airside Improvements portion of this project provides the base building requirements to provide a stairway from the concourse level to the 3rd level lounge and all the associated utility relocations required to accommodate this stair. Some of the utilities included in this scope are the adjacent tenant's (Island Chicken Grill) exhaust fan, various electrical and communication conduits, HVAC ducts, etc. It will also include work to extend an existing elevator that currently runs from the ramp level to the 2nd level, up to the 3rd level. This work will require that a new penthouse be built on the roof of the building. Existing security utilities, along with related elevator utilities will need to be relocated from the existing penthouse to accommodate the new elevator shaft.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE-Construction Program – 17.43% Goal
SBE-Goods & Services - .25% Goal

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-22 indicates that an SBE-Construction and Implementing Order #3-41 for SBE Goods & Services Programs are appropriate for this contract.

MIA D21 Galleries Lounge
Package 'A' - Airside Improvements
100% Submittal
Estimate date April 27, 2015

Estimated Cost of Services

Total Estimated Project General Conditions - 7% of Project Cost \$136,376

Potential Project Services that may be required	% of General Conditions	Estimated value
<i>Tools, Maintenance Supplies and Freight</i>	3%	\$4,090
<i>Employee Related, Recruiting & Training</i>	2%	\$2,730
<i>Communication Devices & Services</i>	2%	\$2,730
<i>Computer and Office Supplies</i>	2%	\$2,730
<i>Safety Supplies and Uniforms</i>	2%	\$2,730
<i>Auto Repairs & Fuel</i>	3%	\$4,090
Total Potential Services		\$19,100

MIA D21 Galleries Lounge
 Package "A" - Airside Improvements
 Project # T-172A

Community Workforce Program Project Analysis Goal Recommendation

General	5	175
Sitework-Demolition	5	30
Concrete	2	30
Masonry	4	30
Metals	5	90
Thermal & Moisture Protection	2	14
Doors	2	5
Finishes	4	150
Conveying Systems	3	100
Mechanical	3	80
Electrical	3	80
Communications	2	45
Electronic Safety & Security	2	30



Small Business Development Division Project Worksheet

Project/Contract Title: BRITISH AIRWAYS - MIA D21 GALLERIES LOUNGE, PACKAGE "A"
 AIRSIDE IMPROVEMENTS
Project/Contract No: TAC-R #T172A
Department: AVIATION
Estimated Cost of Project/Bid: \$2,710,961.00
Description of Project/Bid: The Airside Improvements portion of this project provides the base building requirements to provide a stairway from the concourse level to the 3rd level Lounge and all the associated utility relocations required to accommodate this stair. Some of the utilities included are: adjacent tenant's (Island Chicken Grill) exhaust fan, various electrical & communications conduits, HVAC ducts, etc. Also included is work to extend an existing elevator that currently runs from the ramp level to the 2nd level, up to the 3rd level. This work requires a new penthouse be built on the roof. Existing security utilities, & related elevator utilities will need to be relocated from the existing penthouse to accommodate the new elevator shaft.

Received Date: 06/19/2015
Funding Source: TAC-R
Resubmittal Date(s): 05/13/2014

Contract Measure Recommendation		
Measure	Program	Goal Percent
Goal	SBE/GS	0.25%
Goal	CSBE	17.43%
Workforce Goal	CWP	10.00%

Reasons for Recommendation

This is a resubmittal from 5/13/14 to increase the estimated cost from \$2,165,403.00 to \$2,710,961.00; which resulted in the application of the SBE/Goods & Services Program Goal on projects over \$2.5 million. There were no changes in the scope of work.

An analysis of the factors contained in Section VI C of Implementing Order 3-22 and 3-41 indicate that a 17.43% SBE/Construction Subcontractor Goal is appropriate in the trades of electrical (8%), concrete (2.29%), plumbing (.46%), mechanical (6.68%); and (.25) SBE/Goods & Services Subcontractor Goal on the line items for General Conditions utilizing the following areas: Office Supplies and Computers.

Initial attempts were made to make this project a Level 2 Set Aside; however, the Verification of Availability to Bid process resulted in ten (10) firms responding, but only one (1) was able to meet the contract's requirements. MDAD's SBE/Construction Subcontractor Goal recommendation of 8% was increased to 17.43%.

CWP Estimated Workforce: 42 CWP Workforce Recommendation: 4
 CWP Designated Target Areas: EMPOWERMENT ZONES, Enterprise Zones
 Commodity Code: 61500-Office Supplies, General
 Trade Category: 236220-Commercial And Institutional Building Construction; 238110-Poured Concrete Foundation And Structure Contractors; 238140-Masonry Contractors; 238160-Roofing Contractors; 238210-Electrical Contractors And Other Wiring Installation Contractors; 238220-Plumbing, Heating, And Air-Conditioning Contractors; 238390-Other Building Finishing Contractors

Small Business Contract Measure Recommendation				
Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Poured Concrete Foundation and Structure Contractors	CSBE	\$62,081.01	2.29%	349
OFFICE SUPPLIES, GENERAL	SBE/GS	\$6,777.40	0.25%	192
Plumbing, Heating, and Air-Conditioning Contractors	CSBE	\$193,562.62	7.14%	106
Electrical Contractors and Other Wiring Installation Contractors	CSBE	\$216,876.88	8.00%	121
Total		\$479,297.90	17.68%	

Living Wages: YES NO
 Highway: YES NO
 Heavy Construction: YES NO
Responsible Wages: YES NO
Building: YES NO

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



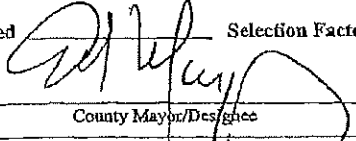

Small Business Development Division Project Worksheet

Project/Contract Title: BRITISH AIRWAYS - MIA D21 GALLERIES LOUNGE, PACKAGE "A"
 AIRSIDE IMPROVEMENTS
 Project/Contract No: TAC-R #T172A
 Department: AVIATION
 Estimated Cost of Project/Bid: \$2,710,961.00

Received Date: 06/19/2015

Funding Source:
TAC-R

Resubmittal Date(s): 05/13/2014

REVIEW RECOMMENDATION			
Tier 1 Set Aside _____	Tier 2 Set Aside _____		
Set Aside _____	Level 1 _____	Level 2 _____	Level 3 _____
Trade Set Aside (MCC) _____	Goal _____	Bid Preference _____	
No Measure _____	Deferred _____	Selection Factor _____	
CWP _____	 County Mayor/Designee		 Date



Estimate of Probable Construction Cost

**MIA D21 Galleries Lounge
Package 'A' - Airside Improvements
100% Submittal**

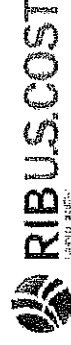
April 27, 2015 - Revision 3

Prepared for:



Bermello Ajamil & Partners, Inc.

Prepared by:



Summary Report

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bernello Ajamil & Partners, Inc

<u>WBS LEVEL DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>TOTAL</u>
British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost			
1. General Conditions	11,977	GSF	\$2,464,510
1.1 Temporary Requirements	1	LS	\$192,555
2. Site Work - Demolition	11,977	GSF	\$147,918
2.1 Architectural Demolition	1	LS	\$64,080
2.2 Structural Demolition	11,977	GSF	\$83,838
3. Concrete	11,977	GSF	\$37,500
3.1 Floor Construction	314	SF	\$11,000
3.2 Roof Construction	200	SF	\$15,000
3.3 Stair Risers	220	SF	\$11,500
4. Masonry	11,977	GSF	\$91,711
4.1 CMU Partitions	1,980	SF	\$91,711
5. Metals	11,977	GSF	\$296,364
5.1 Floor Construction	5.29	TON	\$156,275
5.2 Roof Construction	2.31	TON	\$59,612
5.3 Stair Construction	1	LS	\$65,065
5.4 Miscellaneous Metals	1	LS	\$15,412
7. Thermal and Moisture Protection	11,977	GSF	\$56,580
7.1 Roofing	830	SF	\$29,580
7.2 Fire Proofing	1,200	SF	\$27,000
8. Doors	11,977	GSF	\$8,950
8.1 Interior Doors & Hardware	85	EA	\$8,950
9. Finishes	11,977	GSF	\$214,200
9.1 Interior Partitions	16,362	SF	\$117,150
9.2 Wall Finishes	9,275	SF	\$27,650
9.3 Ceiling Finishes	4,170	SF	\$48,450
9.4 Floor Finishes	3,030	SF	\$20,950
14. Conveying Systems	11,977	GSF	\$218,276
14.1 Elevator #59 Modification	1	LS	\$218,276

Summary Report

British Airways D2L Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bermello Ajamil & Partners, Inc

<u>WBS LEVEL DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>TOTAL</u>
15. Mechanical	11,977	GSF	\$238,907
15.1 Fire Suppression	11,977	GSF	\$57,420
15.2 Plumbing	1	ALLOW	\$4,500
15.3 HVAC	11,977	GSF	\$176,987
16. Electrical	11,977	GSF	\$145,288
16.1 Selective Electrical Demolition and Relocations	11,977	GSF	\$41,333
16.2 Power Distribution	11,977	GSF	\$45,869
16.3 Motor Feeders and Connections	11,977	GSF	\$31,062
16.4 Lightning Protection System	11,977	GSF	\$4,097
16.5 Lighting System	11,977	GSF	\$22,927
26. Communications	11,977	GSF	\$77,156
26.1 Selective Communications Demolition	11,977	GSF	\$15,664
26.2 Intercept PDS Conduit Run in New Lounge Lobby Area	1	LS	\$58,242
26.3 Relocate Cable Tray	30	LF	\$3,250
28. Electronic Safety and Security	11,977	GSF	\$40,052
28.1 Selective Electronic Safety and Security Demolition	11,977	GSF	\$10,428
28.2 Fire Alarm System	11,977	GSF	\$11,159
28.3 Access Control System	11,977	GSF	\$18,466
Allowance for Secure Door at Roof Level	1	ALLOW	\$15,000
Secure Door at Roof Level	1	LS	\$15,000
Allowance for Corridor at Chicken Kitchen Grill	1	ALLOW	\$50,000
Corridor at Chicken Kitchen Grill Entrance	1	ALLOW	\$50,000
Allowances for Construction related to US Air Temporary Relocation	1	LS	\$25,000
US Air temporary construction relocation	1	ALLOW	\$25,000
Reserve for Design Development	1	LS	\$92,773
Design Development	1	LS	\$92,773
Prime Contractor MarkUps	1	LS	\$792,234
Prime Contractor Markup	1	LS	\$792,234
Escalation/Market Conditions Adjustment	1	LS	\$224,046

British Airways D21 Galleries Lounge
Package A - 100% Submittal
Estimate of Probable Construction Cost
Bermello Ajamil & Partners, Inc

Summary Report

<u>WBS LEVEL DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>TOTAL</u>
Escalation/Market Conditions Adjustment	1	LS	\$224,046

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bermello Ajamil & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
1. General Conditions					
Temporary Requirements	1	LS	\$192,555	\$192,555	\$192,555
1 Install Temporary Partition at Public Concourse Area - 9'H	410.00	SF	28.00	\$11,480	
2 Repair Terrazzo after Temporary Partition Removal - Moved to Package B	1.00	NOTE	0.00	\$0	
3 Temporary Protection at Roof Level - protect Roof Slab opening	500.00	SF	10.00	\$5,000	
4 Landside MOT	1,000.00	LF	62.41	\$62,410	
5 Landside Hoist for Steel and Roof Equipment	3.00	MO	18,721.69	\$56,165	
6 Daily Clean Up, Dust Control	5.00	MO	10,000.00	\$50,000	
7 Temp Partition at Ramp Level	200.00	SF	20.00	\$4,000	
8 Allowance to demo and replace ceiling at US Air offices for access to Chicken Kitchen duct	1.00	LS	1,000.00	\$1,000	
9 Allowance to Protect Elevator Equipment at Level 2 that is remaining	1.00	LS	2,500.00	\$2,500	
2. Site Work - Demolition					
Architectural Demolition	1	LS	\$64,080	\$64,080	\$147,918
10 CONCOURSE LEVEL	1.00	NOTE	0.00	\$0	
11 Demo Existing Partitions	1,248.00	SF	10.00	\$12,480	
12 Remove Wall Finishes	660.00	SF	5.00	\$3,300	
13 Demo GWB Ceiling and supports	350.00	SF	15.00	\$5,250	
14 Demo Won Door and Frame	1.00	EA	400.00	\$400	
15 Demo Door and Frame	3.00	EA	300.00	\$900	
16 Demo Elevator Door, Frame, Push Button, etc.	1.00	EA	450.00	\$450	
17 Demo Newslink Horizontal Sign, Fabric Banner and Supports	1.00	EA	1,500.00	\$1,500	
18 Demo Terrazzo Floor Newslink	370.00	SF	5.00	\$1,850	
19 Demo Partition above Ceiling to Reroute Ducts	60.00	SF	7.00	\$420	
20 Demo Remove Newslink Sign	1.00	EA	250.00	\$250	
21 Demo Wood Millwork at Newslink	1.00	LS	500.00	\$500	
22 THIRD LEVEL	1.00	NOTE	0.00	\$0	
23 Demo GWB Ceiling	30.00	SF	15.00	\$450	
24 Demo Door and Frame	1.00	EA	300.00	\$300	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bermello Ajamil & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	<u>QTY</u>	<u>UOM</u>	<u>UNIT COST</u>	<u>SUB TOTAL</u>	<u>LEVEL TOTAL</u>
2. Site Work - Demolition					
Architectural Demolition	1	LS	\$64,080	\$64,080	\$64,080
25 Demo Existing Partitions	1,700.00	SF	10.00	\$17,000	
26 Demo ACT	360.00	SF	3.00	\$1,080	\$147,918
27 Provide Opening in CMU Wall	20.00	SF	\$200	\$200	
28 Wheel Barrow Demo Debris to curb	100.00	CY	105.00	\$10,500	
29 Haul Demo Debris	100.00	CY	50.00	\$5,000	
30 LEVEL 4 ROOF	1.00	NOTE	0.00	\$0	
31 Demo portion of roof to build elevator penthouse and at Duct penetrations	450.00	SF	5.00	\$2,250	
	11,977	GSF	\$7	\$83,838	\$147,918
2. Site Work - Demolition					
Structural Demolition					
32 FZ010 Building Elements Demolition	1.00	NOTE	0.00	\$0	
33 Int. demolition Struct - Cut Open level 3 Slab Elev Opening 11'2" x 8'1" - 89 sf	89.00	SF	218.44	\$19,441	
34 Int. demolition Struct - Cut Open level 3 Slab Stair Opening 18'10" x 5'0" - 94sf	94.00	SF	218.44	\$20,533	
35 Int. demolition Struct - Cut Open Lvl 3 Slab for Supply Duct - 32" x 18" - 4 sf	4.00	SF	218.44	\$874	
36 Int. demolition Struct - Cut Open Lvl 3 Slab for Exhaust Duct - 36" x 48" - 14 sf.	14.00	SF	218.44	\$3,058	
37 Int. demolition Struct - Cut Open Roof Slab for Supply Duct - 32" x 18" - 4 sf	4.00	SF	218.44	\$874	
38 Int. demolition Struct - Cut Open Roof Slab for Exhaust Duct - 36" x 48" - 14 sf	14.00	SF	218.44	\$3,058	
39 Int. demolition Struct - Cut portion of W16 x 31 W10 x 33 at Lvl 3 Elev Pit - 10 lf	1.00	LS	7,500.00	\$7,500	
40 Int. demolition Struct - Allowance for Mechanical Ducts Wall Penetrations	1.00	LS	5,000.00	\$5,000	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bermello Ajamil & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
2. Site Work - Demolition					
Structural Demolition	11,977	GSF	\$7	\$83,838	\$147,918
41 Wheel Barrow Demo Debris to curb	100.00	CY	105.00	\$10,500	
42 Haul Demo Debris	100.00	CY	90.00	\$9,000	
43 Core Openings in Level 4 Deck for Elevator Cables	8.00	EA	500.00	\$4,000	\$83,838
3. Concrete					
Floor Construction	314	SF	\$35	\$11,000	\$37,500
44 B1010 Floor Construction	1.00	NOTE	0.00	\$0	
45 Infill Slab Opening at existing duct penetrations - Concrete Slab Lvl 2	23.00	SF	100.00	\$2,300	
46 Infill Slab Opening at existing duct penetrations - Concrete Slab Lvl 3	23.00	SF	100.00	\$2,300	
47 Infill Slab Opening 6" Thk at existing Fan Penetration at Lvl 4	40.00	SF	100.00	\$4,000	
48 Equipment Slab at Machine Room - pour 6" concrete Equipment Slab, 3' wide at Lvl 4	28.00	SF	50.00	\$1,400	
49 Concrete Steps at Elevator Machine Room at Lvl 4	20.00	SF	50.00	\$1,000	
3. Concrete					
Roof Construction	200	SF	\$75	\$15,000	\$37,500
50 B1020 Roof Construction	1.00	NOTE	0.00	\$0	
51 Roof Slab at Elevator Machine Room - CIP 6" concrete slab	200.00	SF	75.00	\$15,000	
3. Concrete					
Stair Risers	220	SF	\$52	\$11,500	\$37,500
52 C2010 Stair Construction	1.00	NOTE	0.00	\$0	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bemello Ajamul & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
3. Concrete					
Stair Risers	220	SF	\$52	\$11,500	\$11,500
53 Concrete - Cast In Place Stair Risers, Metal Deck	4.00	CY	1,500.00	\$6,000	
54 Formwork - Cast In Place Stair Risers = 29 risers x 1' x 5.5' wide = 160 sf + sides 60 sf = 220 sf	220.00	SF	25.00	\$5,500	
4. Masonry					
CMU Partitions	1,980	SF	\$46	\$91,711	\$91,711
55 CONOURSE LEVEL	1.00	NOTE	0.00	\$0	
56 Wall Type 5 - CMU - 1 layer GWB Including Reinforcement - this includes the infill of the existing elevator door	420.00	SF	28.24	\$11,861	
57 THIRD LEVEL	1.00	NOTE	0.00	\$0	
58 Wall Type 5A - CMU - 1 layer GWB/Insulation Including Reinforcement	660.00	SF	35.00	\$23,100	
59 FOURTH LEVEL	1.00	NOTE	0.00	\$0	
60 Wall Type 8 - CMU/ 1 layer GWB, Insulation Including #5@24" Reinforcement, grout filled cells	900.00	SF	60.00	\$54,000	
61 Tie Beam 08 x 12 with reinf. @ New Elev Machine Room incl reinforcement	55.00	LF	50.00	\$2,750	
5. Metals					
Floor Construction	5	TON	\$29,541	\$156,275	\$296,364
62 B1010 Floor Construction	1.00	NOTE	0.00	\$0	
63 Structural Steel - W08 x 10 Machine Roof Frame at Lvl 4 - 11 lf	0.06	TN	24,750.00	\$1,485	
64 Structural Steel - W10 x 15 at duct openings at Lvl 3 floor - 12 lf	0.09	TN	27,000.00	\$2,430	
65 Structural Steel - W12 x 19 Machine Roof Frame at Lvl 4 - 93 lf	0.88	TN	27,107.39	\$23,855	
66 Structural Steel - W12 x 19 Machine Roof Frame at Lvl 4 - 15 lf	0.14	TN	27,482.14	\$3,848	
67 Structural Steel - W12 x 40 steel rails under Elev Hoist at Lvl 4 - 16 lf	0.32	TN	27,000.00	\$8,640	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bermello Ajamil & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
5. Metals					\$296,364
Floor Construction	5	TON	\$29,541	\$156,275	\$156,275
68 Structural Steel - W14 x 26 at elevator shaft at Lvl 3 floor - concrete Encased- 24 LF	0.31	TN	29,690.32	\$9,204	
69 Structural Steel - W15 x 54 steel beams at Lvl 4 - to support elev room - 2 each @ 57'	3.10	TN	27,000.00	\$83,700	
70 Allowance for Steel Plates at Connections	1.00	LS	15,000.00	\$15,000	
71 Structural Steel - L6 x 6 x 1/2 at slab infill Lvl 3 Roof - 20 LF	0.24	TN	27,000.00	\$6,480	
72 Metal Deck 3" 22 ga at Lvl 3 Slab Infills	21.00	SF	10.00	\$210	
73 Dowel Connections - #3 @12" OC atLvl 3 Slab Infills - 20 LF	0.15	TN	9,000.00	\$1,350	
74 Welded Wire - 6" x 6" Metal Deck 3" 22 ga at Lvl 3 Slab Infills	21.00	SF	3.50	\$74	
5. Metals					\$296,364
Roof Construction	2	TON	\$25,806	\$59,612	\$59,612
75 Machine Room at Level 4 Roof	1.00	Note	0.00	\$0	
76 Structural Steel - W08 x 10 at duct openings at Lvl 4 roof - 21 LF	0.11	TN	27,000.00	\$2,970	
77 Structural Steel - W24 x 62 at Exhaust Fan Openings at Lvl 4 Roof - 15 LF	0.47	TN	26,712.77	\$12,555	
78 Structural Steel - W24 x 84 at Exhaust Fan Openings at Lvl 4 Roof - 29 LF	1.22	TN	27,000.00	\$32,940	
79 Structural Steel - W08 x 21 Hoist Beam at Lvl 5 roof - 6 LF	0.06	TN	28,350.00	\$1,701	
80 Structural Steel - L6 x 6 x 1/2 at slab infill Lvl 4 Roof - 12 LF	0.25	TN	27,000.00	\$6,750	
81 Structural Steel - WWF 6"x 6" at roof slab	202.00	SF	3.50	\$707	
82 Metal Deck 3" 22 ga at Lvl 4 Roof Slab Infills	14.00	SF	10.00	\$140	
83 Welded Wire - 6" x 6" Metal Deck 3" 22 ga at Lvl 4 Roof Slab Infills	14.00	SF	3.50	\$49	
84 Dowel Connections - #3 @12" OC at Lvl 4 Roof Slab Infills - 24 LF	0.20	TN	9,000.00	\$1,800	

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 Bermello Ajamil & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	<u>QTY</u>	<u>UOM</u>	<u>UNIT COST</u>	<u>SUB TOTAL</u>	<u>LEVEL TOTAL</u>
5. Metals					\$296,364
Stair Construction				\$65,065	\$65,065

85	5.50	LF	80.00	\$440	
86	0.03	TN	27,500.00	\$825	
87	0.05	TN	33,000.00	\$1,650	
88	0.04	TN	37,125.00	\$1,485	
89	1.00	TN	33,000.00	\$33,000	
90	202.00	SF	20.00	\$4,040	
91	29.00	EA	125.00	\$3,625	
92	1.00	EA	20,000.00	\$20,000	

5. Metals					\$296,364
Miscellaneous Metals				\$15,412	\$15,412

93	1.00	NOTE	0.00	\$0	
94	60.00	LF	10.00	\$600	
95	1.00	NOTE	0.00	\$0	
96	1.00	EA	5,500.00	\$5,500	
97	1.00	EA	500.00	\$500	
98	16.00	LF	7.00	\$112	
99	140.00	SF	30.00	\$4,200	
100	50.00	LF	90.00	\$4,500	

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	<u>QTY</u>	<u>UOM</u>	<u>UNIT COST</u>	<u>SUB TOTAL</u>	<u>LEVEL TOTAL</u>
7. Thermal and Moisture Protection					
Roofing	830	SF	\$36	\$29,580	\$29,580
101 FOURTH LEVEL	1.00	NOTE	0.00	\$0	
102 Foam Roof Insulation at Machine Room	200.00	SF	6.00	\$1,200	\$56,580
103 Modified Bitumen Covering at Elev. Machine Roof	200.00	SF	20.00	\$4,000	
104 Modified Bitumen Covering at Parapet Wall	215.00	SF	20.00	\$4,300	
105 Replace Modified Bitumen Covering at Installation of Curb	215.00	SF	20.00	\$4,300	
106 Aluminum Coping at Parapet	110.00	LF	8.00	\$880	
107 Roof Curb at Gravity Ventilator	12.00	LF	200.00	\$2,400	
108 Allowance to Patch roof at machine room perimeter	1.00	ALLOW	10,000.00	\$10,000	
109 Roof Walk Pads	500.00	SF	5.00	\$2,500	
7. Thermal and Moisture Protection					
Fire Proofing	1,200	SF	\$23	\$27,000	\$56,580
110 Spray On Fire Proof - New Steel Members	1,000.00	SF	10.00	\$10,000	
111 Spray On Fire Proof - New Steel Decking	200.00	SF	10.00	\$2,000	
112 Allowance for Fire Stopping at Duct and steel Penetrations - Roof & Level 3 Slab	1.00	ALLOW	15,000.00	\$15,000	
8. Doors					
Interior Doors & Hardware	85	EA	\$105	\$8,950	\$8,950
113 CONCOURSE LEVEL	1.00	NOTE	0.00	\$0	
114 Sidelite Type 1 Door and Frame at Lobby Entrance	1.00	EA	3,500.00	\$3,500	
115 Hardware Group 2	1.00	EA	1,500.00	\$1,500	
116 New 20"x20" Access Door	2.00	EA	350.00	\$700	
117 New 24"x24" Access Door	1.00	EA	400.00	\$400	
118 THIRD LEVEL	1.00	NOTE	0.00	\$0	
119 New Access Door	1.00	EA	350.00	\$350	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
8. Doors					
Interior Doors & Hardware	85	EA	\$105	\$8,950	\$8,950
120 FOURTH LEVEL	1.00	NOTE	0.00	\$0	
121 Hollow Metal Door and Frame at Elevator Penthouse	1.00	EA	1,500.00	\$1,500	
122 Hardware Group 1	1.00	EA	1,000.00	\$1,000	
	16,362	SF	\$7	\$117,150	\$214,200
9. Finishes					
Interior Partitions					
123 CONOURSE LEVEL	1.00	NOTE	0.00	\$0	
124 Patch Drywall - Removal Newslink Sign	60.00	SF	3.00	\$180	
125 Wall Type 1 - Non rated GWB 1 layer/ 2 Sides	330.00	SF	10.00	\$3,300	
126 Wall Type 2 - 1hr GWB 1 layer/ 1 Side	250.00	SF	10.00	\$2,500	
127 Wall Type 3 - 2hr GWB 2 layer/2 Sides	330.00	SF	20.00	\$6,600	
128 Wall Type 3S - 2hr GWB 2 layer/2 Sides/3" SAFB Insulation	330.00	SF	23.00	\$7,590	
129 Wall Type 4 - 2hr Shaftwall	390.00	SF	25.00	\$9,750	
130 Wall Type 4S - 2hr Shaftwall/3" SAFB Insulation	600.00	SF	28.00	\$16,800	
131 Wall Type 5 - 2hr CMU 1 layer GWB	120.00	SF	10.00	\$1,200	
132 Wall Type 7 - 2hr Existing CMU with GWB 1 layer/ 1 Side	825.00	SF	5.00	\$4,125	
133 THIRD LEVEL	1.00	NOTE	0.00	\$0	
134 Wall Type 1 - Non rated GWB 1 layer/ 2 Sides	165.00	SF	10.00	\$1,650	
135 Wall Type 2 - 1hr GWB 1 layer/ 1 Side	390.00	SF	10.00	\$3,900	
136 Wall Type 2S - 1hr GWB 2 layer/ 1 Side/3" SAFB Insulation	2,085.00	SF	15.00	\$31,275	
137 Wall Type 4 - 2hr Shaftwall	330.00	SF	25.00	\$8,250	
138 Wall Type 5A - 2hr CMU 1 layer GWB and Insulation	660.00	SF	10.00	\$6,600	
139 Wall Type 6 - 2hr Existing Partition with GWB 1 layer/ 1 Side	600.00	SF	5.00	\$3,000	
140 New 42" Knee Wall	20.00	SF	5.00	\$100	
141 New 5/8" GWB on 7/8" Hat Channel on Columns	190.00	SF	7.00	\$1,330	
142 FOURTH LEVEL	1.00	NOTE	0.00	\$0	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
9. Finishes					\$214,200
Interior Partitions	16,362	SF	\$7	\$117,150	\$117,150
143 Wall Type 8 - CMU w GWB 1 layer, Stucco and Insulation	900.00		10.00	\$9,000	
9. Finishes					\$214,200
Wall Finishes	9,275	SF	\$3	\$27,650	\$27,650
144 CONOURSE LEVEL	1.00	NOTE	0.00	\$0	
145 Paint Wall Type 1	330.00	SF	1.50	\$495	
146 Paint Wall Type 2 and 2S	250.00	SF	1.50	\$375	
147 Paint Wall Type 3 and 3S	660.00	SF	1.50	\$990	
148 Paint Wall Type 4 and 4S	990.00	SF	1.50	\$1,485	
149 Paint Wall Type 5	120.00	SF	1.50	\$180	
150 Paint Wall Type 7	825.00	SF	3.00	\$2,475	
151 Paint Temporary Wall	810.00	SF	1.50	\$1,215	
152 Stainless Steel Panel at South Side of Elevator Shaft	50.00	SF	100.00	\$5,000	
153 THIRD LEVEL	1.00	NOTE	0.00	\$0	
154 Paint Wall Type 1	165.00	SF	1.50	\$248	
155 Paint Wall Type 2	2,475.00	SF	1.50	\$3,713	
156 Paint Wall Type 4	330.00	SF	1.50	\$495	
157 Paint Wall Type 5A	660.00	SF	3.00	\$1,980	
158 Paint Wall Type 6	600.00	SF	1.50	\$900	
159 FOURTH LEVEL	1.00	NOTE	0.00	\$0	
160 Stucco Finish and Paint Wall Type 8 - 3/4" two coat Stucco + 1 coat primer + 2 coats flat	900.00	SF	9.00	\$8,100	
9. Finishes					\$214,200
Ceiling Finishes	4,170	SF	\$12	\$48,450	\$48,450
161 CONOURSE LEVEL	1.00	NOTE	0.00	\$0	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
9. Finishes					
Ceiling Finishes					
162 1hr Fire Rated Soffit Enclosure A	1,190.00	SF	25.00	\$29,750	\$214,200
163 New Acoustical Ceiling Tile	2,860.00	SF	5.00	\$14,300	\$48,450
164 THIRD LEVEL	1.00	NOTE	0.00	\$0	
165 1hr Fire Rated Soffit Enclosure A	40.00	SF	25.00	\$1,000	
166 New Acoustical Ceiling Tile	470.00	SF	5.00	\$2,350	
167 New 8'H GWB Header to match adjacent	70.00	SF	15.00	\$1,050	
9. Finishes	3,030	SF	\$7	\$20,950	\$214,200
Floor Finishes					
168 CONCOURSE LEVEL	1.00	NOTE	0.00	\$0	
169 Repair Flooring to match Adjacent	2,370.00	SF	7.00	\$16,590	
170 THIRD LEVEL	1.00	NOTE	0.00	\$0	
171 Provide Flooring to match Adjacent	460.00	SF	7.00	\$3,220	
172 Provide Vinyl Base to match Adjacent	170.00	LF	2.00	\$340	
173 FOURTH LEVEL - PENTHOUSE	1.00	NOTE	0.00	\$0	
174 Traffic Coating on floor at Machine Room	200.00	SF	4.00	\$800	
14. Conveying Systems					
Elevator #59 Modification	1	LS	\$218,276	\$218,276	\$218,276
175 Modify Existing Elevator Cab - Enclose second opening and Elevator Cab Finishes	1.00	EA	100,000.00	\$100,000	
176 Relocate Elevator Hoist #59 from Level 3 to Roof Level	1.00	EA	47,800.00	\$47,800	
177 Relocate Elevator #59 Control Panel conduits from lvl 3 to Lvl 4	1.00	LS	15,076.00	\$15,076	
178 Reprogram, Test & Commission Elevator	1.00	LS	55,400.00	\$55,400	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
15. Mechanical					\$238,907
Fire Suppression	11,977	GSF	\$5	\$57,420	\$57,420
179 Fire Protection Demolition	1.00	NOTE	0.00	\$0	
180 Int. demolition FP - Remove Section of FP at Lvl 2 Entrance - 33 lf	1.00	LOC	1,500.00	\$1,500	
181 Int. demolition FP - Remove Section of FP at Lvl 2 Office Area - 84 lf	4.00	LOC	1,500.00	\$6,000	
182 Int. demolition FP - Remove Section of FP at Lvl 3 hallway - 24 lf	1.00	LOC	1,500.00	\$1,500	
183 Int. demolition FP - Remove Section of FP at Lvl 3 mach room - 10 lf	1.00	LOC	1,500.00	\$1,500	
184 Int. demolition FP - Remove Section of FP at Lvl 3 offices - 12 lf	1.00	LOC	1,500.00	\$1,500	
185 Fire Protection Modifications	1.00	NOTE	0.00	\$0	
186 D4010 Sprinklers	1.00	NOTE	0.00	\$0	
187 New Fire Sprinkler Control Valve, SS Flush Box - Level 2	1.00	EA	5,500.00	\$5,500	
188 New Fire Sprinkler Control Valve, SS Flush Box - Level 3	1.00	EA	5,500.00	\$5,500	
189 New Fire Sprinkler Line at lvl 3 Hallway Area	51.00	LF	40.00	\$2,040	
190 New Fire Sprinkler Line at lvl 3 lobby area	32.00	LF	40.00	\$1,280	
191 Repositioned Fire Sprinkler Heads at lvl 3 Hallway area	6.00	EA	150.00	\$900	
192 Reroute existing 4" Fire Sprinkler Line at lvl 2 office area - 53 lf	1.00	LS	3,500.00	\$3,500	
193 Reroute existing 8" Fire Sprinkler Line at lvl 2 entrance area - 18 lf	1.00	LS	10,000.00	\$10,000	
194 Fire Watch - Assume 4 shutdowns	1.00	ALLOW	14,000.00	\$14,000	
195 New Fire Sprinkler Heads at Lvl 5 Machine Room	3.00	EA	900.00	\$2,700	
15. Mechanical					\$238,907
Plumbing	1	ALLOW	\$4,500	\$4,500	\$4,500
196 Roof Drain and scupper at Elevator Machine Room Roof - connections to existing drains	1.00	LS	4,500.00	\$4,500	
15. Mechanical					\$238,907
HVAC	11,977	GSF	\$15	\$176,987	\$176,987
197 HVAC DEMOLITION	1.00	NOTE	0.00	\$0	

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	QTY	UOM	UNIT COST	SUB-TOTAL	LEVEL TOTAL
15. Mechanical	11,977	GSF	\$15	\$176,987	\$238,907
HVAC				\$176,987	\$176,987
198 Ductwork, selective demolition	250.00	LF	26.68	\$6,670	
199 Diffusers, registers, selective demolition	6.00	EA	65.81	\$395	
200 Fans, selective demolition	2.00	EA	1,067.22	\$2,134	
201 Disconnect and remove fire smoke dampers	4.00	EA	111.17	\$445	
202 Roof Curb demolition	1.00	EA	1,185.80	\$1,186	
203 METAL DUCT AND INSULATION	1.00	NOTE	0.00	\$0	
204 Galvanized Steel Rectangular Duct	3,000.00	LB	16.49	\$49,466	
205 Duct Insulation	1,100.00	SF	3.52	\$3,870	
206 Black Steel Welded Duct (Kitchen Grease)	600.00	LB	43.99	\$26,394	
207 Insulation Wrapping 2hr. 3M Fire (Kitchen Grease)	350.00	SF	16.11	\$5,638	
208 Duct cap	5.00	EA	145.63	\$728	
209 Ductwork, flexible	50.00	LF	15.29	\$764	
210 DISTRIBUTION EQUIPMENT	1.00	NOTE	0.00	\$0	
211 Roof Gravity Ventilator 24x18 & curb	1.00	EA	2,345.70	\$2,346	
212 Fire Damper Motor motorized 24x18	8.00	EA	942.03	\$7,536	
213 Duct accessories, multi-blade dampers, opposed blade, 28" x 14"	1.00	EA	305.32	\$305	
214 Duct accessories, multi-blade dampers, opposed blade, 16" x 16"	1.00	EA	305.32	\$305	
215 Kitchen exhaust 2,900 CFM & make-up air 2,610 CFM	1.00	EA	13,526.24	\$13,526	
216 Kitchen Exhaust - Fire Damper at Exhaust duct Slab Penetrations	2.00	EA	942.02	\$1,884	
217 Kitchen curb & cap	1.00	EA	5,062.12	\$5,062	
218 Kitchen hold down cables	1.00	LS	843.69	\$844	
219 Kitchen equipment rail	1.00	LS	478.55	\$479	
220 Kitchen curb extension	1.00	EA	2,367.77	\$2,368	
221 Access panel fire rated	1.00	EA	193.44	\$193	
222 Wire mesh bird screen	1.00	EA	178.76	\$179	
223 DIFFUSER, REGISTERS & GRILLS	1.00	NOTE	0.00	\$0	
224 Supply Air Diffuser	4.00	EA	336.18	\$1,345	
225 Return Air Diffuser	3.00	EA	106.06	\$318	
226 Supply Air Diffuser, sidewall (relocated)	2.00	EA	52.94	\$106	
227 HVAC TESTING, COMMISSIONING AND BALANCING	1.00	NOTE	0.00	\$0	
228 HVAC Commissioning, System Testing & Balance	1.00	LS	15,000.00	\$15,000	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
15. Mechanical					
HVAC					
229 HVAC System Pretest	11,977	GSF	\$15	\$176,987	\$238,907
230 HVAC CONTROLS	1.00	LS	2,500.00	\$2,500	
231 Control System modifications	1.00	NOTE	0.00	\$0	
232 Allowance to relocate HVAC Ductwork that interfere with Steel Installation at Level 3 Ceiling	1.00	LS	15,000.00	\$15,000	
	1.00	L.S.	10,000.00	\$10,000	
16. Electrical					
Selective Electrical Demolition and Relocations	11,977	GSF	\$3	\$41,333	\$145,288
233 Remove Starter Disconnects for Chicken Grill Fans	1.00	NOTE	0.00	\$0	
234 Demo - Starter, size 1, NEMA 1, electric al demolition, remove, for fan located on fourth floor	2.00	Ea.	139.75	\$280	
235 Demo - Motors, 230/460 V, 60 Hz, 10 HP, electrical demolition, remove	2.00	Ea.	157.20	\$314	
236 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	100.00	L.F.	5.19	\$519	
237 Demo - Wire, THW-THWN-THHN, #4, electrical demolition, removed from in place conduit, to 15' high	3.00	C.L.F.	47.47	\$142	
238 Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit, to 15' high	1.00	C.L.F.	27.67	\$28	
239 Allowance for actual condition Survey, & Investigation	1.00	L.S.	1,257.60	\$1,258	
240 Remove Power Receptacle on Fourth Floor	1.00	NOTE	0.00	\$0	
241 Demo - Receptacle & switches, 15 to 30 amp, electrical demolition, remove	1.00	Ea.	9.27	\$9	
242 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	20.00	L.F.	5.19	\$104	
243 Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit, to 15' high	0.60	C.L.F.	22.80	\$14	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical					
Selective Electrical Demolition and Relocations	11,977	GSF	\$3	\$41,333	\$41,333
244 Remove Light Fixtures on Third Floor	1.00	NOTE	0.00	\$0	
245 Demo - Exit light, electrical demolition, remove	1.00	Ea.	52.35	\$52	\$145,288
246 Demo - Fluorescent fixtures, interior, 4 lamp, 2' x 4', electrical demolition, remove, recessed drop-in, to 15' high, including supports & whips	6.00	Ea.	83.79	\$503	
247 Demo - Fluorescent fixtures, interior, industrial, 2 lamp, 4' long, electrical demolition, remove, pendant mount, to 15' high, including removal of chain or rod hanger	9.00	Ea.	71.84	\$647	
248 Demo - Fixture whip, electrical demolition, remove	15.00	Ea.	12.58	\$189	
249 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	30.00	L.F.	3.14	\$94	
250 Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit, to 15' high	1.00	C.L.F.	22.79	\$23	
251 Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including removal of supports and terminations	8.00	Ea.	15.72	\$126	
252 Remove Light Fixtures on Concourse Level News Link Space	1.00	NOTE	0.00	\$0	
253 Demo - Track lighting, 8' section, electrical demolition, remove	2.00	Ea.	62.88	\$126	
254 Demo - Track lighting fixture, electrical demolition, remove	16.00	Ea.	19.65	\$314	
255 Demo - Switches, 15 to 30 amp, electrical demolition, remove	2.00	Ea.	9.28	\$19	
256 Demo - Exit light, electrical demolition, remove	2.00	Ea.	52.35	\$105	
257 Demo - Fluorescent fixtures, interior, 2 lamp, 2' x 4', electrical demolition, remove, recessed drop-in, to 15' high, including supports & whips	15.00	Ea.	76.24	\$1,144	
258 Demo - Fluorescent downlight, electrical demolition, remove	8.00	Ea.	41.97	\$336	
259 Demo - Fixture whip, electrical demolition, remove	27.00	Ea.	12.58	\$340	
260 Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including removal of supports and terminations	10.00	Ea.	15.72	\$157	
261 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	100.00	L.F.	3.14	\$314	

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16. Electrical					\$145,288
Selective Electrical Demolition and Relocations	11,977	GSF	\$3	\$41,333	\$41,333
262 Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit, to 15' high	3.00	C.L.F.	22.79	\$68	
263 Remove Elevator Power Cable and Conduit	1.00	NOTE	0.00	\$0	
264 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	120.00	L.F.	5.19	\$623	
265 Demo - Conduit, rigid galvanized steel, 1-1/4" to 2" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	60.00	L.F.	6.29	\$377	
266 Demo - Wireway, to 15' high, 6" x 6", electrical demolition, remove, incl fittings and supports	30.00	L.F.	10.53	\$316	
267 Demo - Wire, THW-THWN-THHN, 1/0, electrical demolition, removed from in place conduit, to 15' high	1.80	C.L.F.	75.77	\$136	
268 Demo - Wire, THW-THWN-THHN, #8, electrical demolition, removed from in place conduit, to 15' high	0.60	C.L.F.	31.13	\$19	
269 Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit, to 15' high	3.60	C.L.F.	27.67	\$100	
270 Demo - Elevator control cable, electrical demolition, removed from in place conduit, to 15' high	6.00	C.L.F.	155.31	\$932	
271 Demo - Allowance for actual condition Survey, & Investigation	1.00	L.S.	2,515.20	\$2,515	
272 Electrical Power Demolition in News Link Area	1.00	NOTE	0.00	\$0	
273 Demo - Receptacle, 15 to 30 amp, electrical demolition, remove	10.00	Ea.	9.28	\$93	
274 Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including removal of supports and terminations	8.00	Ea.	15.72	\$126	
275 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	200.00	L.F.	3.14	\$629	
276 Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit, to 15' high	6.60	C.L.F.	22.79	\$150	
277 Demo - Electrical Closet	1.00	NOTE	0.00	\$0	
278 Demo Transformer and Disconnect Switch	1.00	NOTE	0.00	\$0	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
 Package A - 100% Submittal
 Estimate of Probable Construction Cost
 Bermello Ajamil & Partners, Inc

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical					\$145,288
Selective Electrical Demolition and Relocations				\$41,333	\$41,333
279 Demo - Transformer, dry type, primary, 3 phase, to 600 V, 30 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	11,977	GSF	\$3	\$41,333	
280 Demo - Safety switches, 250 or 600 V, 60 amp, electrical demolition, remove, including disconnection of wire & conduit terminations	1.00	Ea.	359.28	\$359	
281 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	1.00	Ea.	71.45	\$71	
282 Demo - Wire, THW-THWN-THHN, #8, electrical demolition, removed from in place conduit, to 15' high	60.00	L.F.	3.14	\$189	
283 Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit, to 15' high	1.80	C.L.F.	15.56	\$28	
284 Demo Panelboard Feeder and Loads	0.60	C.L.F.	13.83	\$8	
285 Panelboards, 4 wire, 120/208 V, 125 amp, to 20 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	1.00	NOTE	0.00	\$0	
286 Conduit, rigid galvanized steel, 1-1/4" to 2" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	1.00	Ea.	261.97	\$262	
287 Wire, THW-THWN-THHN, 1/0, electrical demolition, removed from in place conduit, to 15' high	20.00	L.F.	3.14	\$63	
288 Wire, THW-THWN-THHN, #6, electrical demolition, removed from in place conduit, to 15' high	0.80	C.L.F.	37.89	\$30	
289 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	0.20	C.L.F.	19.25	\$4	
290 Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit, to 15' high	400.00	L.F.	3.14	\$1,258	
291 Demo Motor Control Feeder and Load	13.20	C.L.F.	22.79	\$301	
292 Demo - Controller, enclosed, 30 A, NEMA 1, electrical demolition, remove	1.00	NOTE	0.00	\$0	
	1.00	Ea.	45.59	\$46	

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British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost \$2,464,510

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical					\$145,288
Selective Electrical Demolition and Relocations	11,977	GSF	\$3	\$41,333	\$41,333
293 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	60.00	L.F.	3.14	\$189	
294 Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit, to 15' high	1.80	C.L.F.	13.83	\$25	
295 Demo - Enclosed Circuit Breaker, 250 or 600 V, up to 200 amp, electrical demolition, remove, including disconnection of wire & conduit terminations	1.00	Ea.	369.89	\$370	
296 Demo - Conduit, electric metallic tubing (EMT), 2" to 3" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	60.00	L.F.	2.67	\$160	
297 Demo - Wire, THW-THWN-THHN, 3/0, electrical demolition, removed from in place conduit, to 15' high	2.40	C.L.F.	100.61	\$241	
298 Demo - Wire, THW-THWN-THHN, #6, electrical demolition, removed from in place conduit, to 15' high	0.60	C.L.F.	38.52	\$23	
299 Demo - Demo Conduit to Intercept	1.00	NOTE	0.00	\$0	
300 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	300.00	L.F.	3.14	\$943	
301 Demo - Conduit, electric metallic tubing (EMT), 3-1/2" to 4" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	50.00	L.F.	8.17	\$409	
302 Demo - Wire, THW-THWN-THHN, 600 kcmil, electrical demolition, removed from in place conduit, to 15' high	6.00	C.L.F.	155.31	\$932	
303 Demo - Wire, THW-THWN-THHN, #3, electrical demolition, removed from in place conduit, to 15' high	1.50	C.L.F.	50.31	\$75	
304 Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit, to 15' high	36.00	C.L.F.	22.79	\$821	
305 Allowance for actual condition Survey, & Investigation	1.00	L.S.	6,288.00	\$6,288	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
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British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical					
Selective Electrical Demolition and Relocations					
306 Allowance to relocate Electrical Conduits that interfere with Steel Installation at Level 3 Ceiling	11,977	GSF	\$3	\$41,333	\$145,288
	1.00	L.S.	15,000.00	\$15,000	\$41,333
16. Electrical					
Power Distribution	11,977	GSF	\$4	\$45,869	\$45,869
307 Power Receptacle Roof Mounted	1.00	NOTE	0.00	\$0	
308 Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1.00	C.L.F.	126.68	\$127	
309 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	30.00	L.F.	10.87	\$326	
310 Duplex receptacle, ground fault interrupting, 20 amp	1.00	Ea.	86.03	\$86	
311 Outlet boxes, cast, FSC, 1 gang, 3/4" hub	1.00	Ea.	136.28	\$136	
312 Outlet boxes, cast, weatherproof in-use cover, 1 gang	1.00	Ea.	39.25	\$39	
313 Rigid galvanized steel conduit nipples, 3/4" diameter, 12" long, incl. coupling	2.00	Ea.	60.13	\$120	
314 Rigid galvanized steel conduit, field bends, 45 Deg. to 90 Deg., 3/4" diameter	1.00	Ea.	31.44	\$31	
315 Concrete core drilling, core, reinforced concrete slab, 1" diameter, up to 6" thick slab, includes bit, layout and set up	1.00	Ea.	148.11	\$148	
316 Firestopping, metallic piping, non insulated, through walls, 2" dia	1.00	Ea.	94.20	\$94	
317 Power Receptacle in New Elevator Machine Room	1.00	NOTE	0.00	\$0	
318 Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1.00	C.L.F.	126.68	\$127	
319 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	30.00	L.F.	10.87	\$326	
320 Duplex receptacle, ground fault interrupting, 20 amp	1.00	Ea.	86.03	\$86	
321 Outlet boxes, cast, FSC, 1 gang, 3/4" hub	1.00	Ea.	136.28	\$136	
322 Outlet boxes, cast, weatherproof in-use cover, 1 gang	1.00	Ea.	39.25	\$39	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
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British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical	11,977	GSF	\$4	\$45,869	\$145,288
Power Distribution				\$45,869	\$45,869
323 Power Receptacle in New Lounge Lobby Area	1.00	NOTE	0.00	\$0	
324 Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	3.00	C.L.F.	126.68	\$380	
325 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	90.00	L.F.	10.87	\$978	
326 Outlet boxes, pressed steel, 4" square	3.00	Ea.	65.78	\$197	
327 Outlet boxes, pressed steel, plaster rings, 4" square, concealed	3.00	Ea.	23.55	\$71	
328 Duplex receptacle, grounded, 120 volt, 20 amp	3.00	Ea.	57.48	\$172	
329 Wall plates, stainless steel, 1 gang	3.00	Ea.	18.22	\$55	
330 Intercept & Re-Install Power Run around Stair	1.00	NOTE	0.00	\$0	
331 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	300.00	L.F.	10.71	\$3,212	
332 Electric metallic tubing (EMT), 4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	50.00	L.F.	49.44	\$2,472	
333 Outlet boxes, pressed steel, 4" square	12.00	Ea.	65.34	\$784	
334 Outlet boxes, pressed steel, covers, blank, 4" square	12.00	Ea.	21.29	\$255	
335 Pull boxes, sheet metal, type SC, 24" W x 24" H x 6" D, NEMA 1	2.00	Ea.	479.50	\$959	
336 Wire, copper, stranded, 600 volt, 600 kcmil, type THWN-THHN, in raceway	6.00	C.L.F.	2,342.41	\$14,054	
337 Wire, copper, stranded, 600 volt, #3, type THWN-THHN, in raceway	1.50	C.L.F.	376.52	\$565	
338 Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	36.00	C.L.F.	129.78	\$4,672	
339 Split bolt connectors, tapped, 600 kcmil	8.00	Ea.	376.90	\$3,015	
340 Split bolt connectors, tapped, #3	2.00	Ea.	112.75	\$226	
341 Knockouts, metal boxes & enclosures, with hole saw, 4" pipe size, to 8' high	2.00	Ea.	114.29	\$229	
342 Power Receptacle in New Corridor	1.00	NOTE	0.00	\$0	
343 Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1.00	C.L.F.	126.68	\$127	
344 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	120.00	L.F.	10.87	\$1,304	

RIBUS Cost

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
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 Bermello Ajamil & Partners, Inc

\$2,464,510

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical	11,977	GSF	\$4	\$45,869	\$145,288
Power Distribution					\$45,869
345 Outlet boxes, pressed steel, 4" square	3.00	Ea.	65.78	\$197	
346 Outlet boxes, pressed steel, plaster rings, 4" square, concealed	1.00	Ea.	23.55	\$24	
347 Outlet boxes, pressed steel, covers, blank, 4" square	2.00	Ea.	11.47	\$23	
348 Duplex receptacle, grounded, 120 volt, 20 amp	1.00	Ea.	57.48	\$57	
349 Wall plates, stainless steel, 1 gang	1.00	Ea.	18.22	\$18	
350 Allowance to reroute all conduit that interferes with HVAC duct rerouting	1.00	ALLOW	10,000.00	\$10,000	
16. Electrical	11,977	GSF	\$3	\$31,062	\$145,288
Motor Feeders and Connections					\$31,062
351 Extension and Rewiring for Chicken Grill Fans	1.00	NOTE	0.00	\$0	
352 Electric metallic tubing (EMT), 1-1/4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	90.00	L.F.	9.11	\$820	
353 Wire, copper, stranded, 600 volt, #6, type THWN-THHN, in raceway	4.00	C.L.F.	159.76	\$639	
354 Pull boxes, sheet metal, type SC, 6" W x 6" H x 4" D, NEMA 1	3.00	Ea.	169.90	\$510	
355 Split bolt connectors, tapped, #6	12.00	Ea.	43.65	\$524	
356 Rigid galvanized steel conduit elbows, 1-1/4" diameter, to 15' high	3.00	Ea.	55.40	\$166	
357 Rigid galvanized steel conduit couplings, 1-1/4" diameter, to 15' high	3.00	Ea.	11.44	\$34	
358 Rigid galvanized steel conduit nipples, 1-1/4" diameter, 12" long, incl locknuts and bushings	3.00	Ea.	57.94	\$174	
359 Conduit fittings for rigid galvanized steel, sealing locknuts, 1-1/2" diameter	6.00	Ea.	39.69	\$238	
360 Conduit fittings for rigid galvanized steel, grounding bushing, insulated, 1-1/4" diameter	3.00	Ea.	45.25	\$136	
361 Combination starter & nonfusible disconnect, 60 amp	2.00	Ea.	4,397.00	\$8,794	
362 Safety switches, heavy duty, 3 pole, nonfusible, 600 volt, 60 amp, NEMA 3R	1.00	Ea.	740.79	\$741	
363 Flexible metallic conduit, sealite, 1-1/4" diameter	20.00	L.F.	17.15	\$343	

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British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical	11,977	GSF	\$3	\$31,062	\$145,288
Motor Feeders and Connections					\$31,062
364 Flexible metallic conduit, sealtight, connectors, insulated, 1-1/4" diameter	6.00	Ea.	46.65	\$280	
365 Power to Relocated Elevator Machine Room	1.00	NOTE	0.00	\$0	
366 Pull boxes, sheet metal, type SC, 24" W x 24" H x 10" D, NEMA 1	2.00	Ea.	642.04	\$1,284	
367 Re-install Safety switches, heavy duty, 3 pole, nonfusible, 600 volt, 30 amp, NEMA 1	1.00	Ea.	413.00	\$413	
368 Re-install Safety switches, heavy duty, 3 pole, nonfusible, 600 volt, 100 amp, NEMA 1	1.00	Ea.	681.97	\$682	
369 Wire, copper, stranded, 600 volt, #10, type THW, in raceway	1.00	C.L.F.	148.26	\$148	
370 Wire, copper, stranded, 600 volt, #6, type THW, in raceway	3.00	C.L.F.	256.51	\$770	
371 Electric metallic tubing (EMT), 1" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	100.00	L.F.	12.94	\$1,294	
372 Wire, copper, stranded, 600 volt, #8, type THW, in raceway	1.00	C.L.F.	194.20	\$194	
373 Wire, copper, stranded, 600 volt, #2, type THW, in raceway	3.00	C.L.F.	436.50	\$1,310	
374 Electric metallic tubing (EMT), 1-1/4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	100.00	L.F.	15.80	\$1,580	
375 Wireway, screw cover, 8" x 8", NEMA 3R, to 15' high, incl fittings and supports	100.00	L.F.	81.90	\$8,190	
376 Power to Pressurization Fan	1.00	NOTE	0.00	\$0	
377 Relocate Power feeder to Pressurization Fan to new Elev Machine Room	1.00	LS	1,800.00	\$1,800	
16. Electrical	11,977	GSF		\$4,097	\$145,288
Lightning Protection System					\$4,097
378 Lightning Protection Extension for New Elevator Room	1.00	NOTE	0.00	\$0	
379 Air terminal and base, copper, 1/2" dia x 12", over 75' h	4.00	Ea.	190.70	\$763	
380 Lightning protection cable, copper, 375 lb per thousand feet, over 75' h	110.00	L.F.	11.90	\$1,309	
381 Copper bonding plates, 1 beam, 8" square	3.00	Ea.	205.18	\$616	

RIBUS Cost

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\$2,464,510

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost

	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical	11,977	GSF		\$4,097	\$145,288
Lightning Protection System					\$4,097
382 Cable Support, copper, adhesive cable holder	22.00	Ea.	34.60	\$761	
383 Copper connector cable, double bolt connector	3.00	Ea.	45.27	\$136	
384 Exothermic weld, 4/0 wire to 4/0 wire	2.00	Ea.	187.63	\$375	
385 Exothermic weld, mold reusable for above	1.00	Ea.	137.00	\$137	
16. Electrical	11,977	GSF	\$2	\$22,927	\$145,288
Lighting System					\$22,927
386 Lighting System in New Elevator Machine Room	1.00	NOTE	0.00	\$0	
387 Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1.70	C.L.F.	126.68	\$215	
388 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	50.00	L.F.	10.87	\$543	
389 Outlet boxes, pressed steel, concrete, set flush, 4" deep	3.00	Ea.	82.88	\$249	
390 Outlet boxes, pressed steel, covers, blank, 4" square	3.00	Ea.	21.29	\$64	
391 Fluorescent fixture, interior, strip, pendant mounted, industrial, white porcelain enamel, S.L., 2-75 W, 8' L, incl lamps, mounting hardware and connections	3.00	Ea.	381.79	\$1,145	
392 Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	3.00	Ea.	54.65	\$164	
393 Outlet boxes, pressed steel, 4" square	2.00	Ea.	65.78	\$132	
394 Outlet boxes, pressed steel, plaster rings, 4" square, concealed	2.00	Ea.	23.55	\$47	
395 Toggle switch, quiet type, single pole, 20 amp	1.00	Ea.	54.13	\$54	
396 Wall plates, stainless steel, 1 gang	1.00	Ea.	18.22	\$18	
397 Lighting devices, occupancy sensors, dual technology, ceiling mounted	1.00	Ea.	372.51	\$373	
398 Lighting System in New Lounge Lobby Area	1.00	NOTE	0.00	\$0	
399 Re-install Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 3-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	11.00	Ea.	251.52	\$2,767	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical	11,977	GSF	\$2	\$22,927	\$145,288
Lighting System				\$22,927	\$22,927
400 Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	11.00	Ea.	54.65	\$601	
401 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	83.00	L.F.	10.71	\$889	
402 Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	2.75	C.L.F.	129.79	\$357	
403 Light Fixture Type "R1"	8.00	Ea.	731.62	\$5,853	
404 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	80.00	L.F.	10.71	\$857	
405 Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	2.70	C.L.F.	129.79	\$350	
406 Outlet boxes, pressed steel, 4" square	14.00	Ea.	65.34	\$915	
407 Outlet boxes, pressed steel, covers, blank, 4" square	14.00	Ea.	21.29	\$298	
408 Lighting System 3rd Level in New Corridor Area	1.00	NOTE	0.00	\$0	
409 Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 3-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	4.00	Ea.	401.52	\$1,606	
410 Light Fixture Type X1, ceiling or wall mount	2.00	Ea.	263.19	\$526	
411 Re-Install Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 3-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	5.00	Ea.	251.52	\$1,258	
412 Re-Install Fluorescent fixture, interior, wet location, surface mounted, 2-32 WT8, 1' W x 4' L, incl lamps, mounting hardware and connections	2.00	Ea.	110.36	\$221	
413 Re-Install Fluorescent fixture, interior, strip, pendant mounted, industrial, white porcelain enamel, R.S., 2-40 W, 4' L, incl lamps, mounting hardware and connections	1.00	Ea.	110.35	\$110	
414 Re-Install Light Fixture Type X1, ceiling or wall mount	2.00	Ea.	187.69	\$375	
415 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	80.00	L.F.	10.87	\$869	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
16. Electrical	11,977	GSF	\$2	\$22,927	\$145,288
Lighting System				\$22,927	\$22,927
416 Outlet boxes, pressed steel, 4" square	8.00	Ea.	65.78	\$526	
417 Outlet boxes, pressed steel, covers, blank, 4" square	8.00	Ea.	21.29	\$170	
418 Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	16.00	Ea.	54.65	\$874	
419 US Air Office Area	1.00	NOTE	0.00	\$0	
420 Allowance to Reinstall Light Fixtures at US Air Office Area	1.00	ALLOW	500.00	\$500	

26. Communications

Selective Communications Demolition

	11,977	GSF	\$1	\$15,664	\$77,156
421 Remove PDS Conduit in News Link Area	1.00	NOTE	0.00	\$0	
422 PDS Homerun	1.00	NOTE	0.00	\$0	
423 Demo - Conduit, electric metallic tubing (EMT), 3-1/2" to 4" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	70.00	L.F.	8.17	\$572	
424 Demo - Wireway, to 15' high, 6" x 6", electrical demolition, remove, incl fittings and supports	2.00	L.F.	10.53	\$21	
425 Demo - cable back to source allowance, electrical demolition, remove	1.00	L.S.	14,148.00	\$14,148	
426 Remove Data Outlet in News Link Area	1.00	NOTE	0.00	\$0	
427 Demo - Voice/data outlet, electrical demolition, remove	1.00	Ea.	8.96	\$9	
428 Demo - Telephone cable, electrical demolition, remove	300.00	L.F.	0.47	\$141	
429 Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	50.00	L.F.	3.14	\$157	
430 Remove Data/Voice Outlet on Concourse Level	1.00	NOTE	0.00	\$0	
431 Demo - Voice/data outlet, electrical demolition, remove	2.00	Ea.	8.96	\$18	
432 Demo - Telephone cable, electrical demolition, remove	600.00	L.F.	0.47	\$283	

ESTIMATE DETAIL - UNIT COST REPORT

British Airways D21 Galleries Lounge
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 Bernello Ajamil & Partners, Inc

\$2,464,510

British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost		QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
26. Communications						
Selective Communications Demolition						
433	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electricaldemolition, remove conduit to 15' high, including fittings & hangers	11,977	GSF	\$1	\$15,664	\$77,156
		100.00	L.F.	3.14	\$314	\$15,664
26. Communications						
Intercept PDS Conduit Run in New Lounge Lobby Area						
434	Electric metallic tubing (EMT), 4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	80.00	L.F.	49.44	\$3,955	\$77,156
435	Pull boxes, sheet metal, type SC, 24" W x 24" H x 6" D, NEMA 1	1.00	Ea.	283.00	\$283	\$77,156
436	Wireway, screw cover, 6" x 6", NEMA 1, to 15' high, incl fittings and supports	2.00	L.F.	61.57	\$123	\$77,156
437	Allowance for Cable, Cable Terminations, Testing and Documentation	1.00	L.S.	32,504.72	\$32,505	\$77,156
438	Allowance for Testing and Commissioning	1.00	L.S.	21,376.00	\$21,376	\$77,156
26. Communications						
Relocate Cable Tray						
439	Temporarily Support & protect Comm Cables	30	LF	\$108	\$3,250	\$77,156
440	Cable Tray Reconfigure	1.00	ALLOW	1,000.00	\$1,000	\$77,156
		30.00	LF	75.00	\$2,250	\$77,156
28. Electronic Safety and Security						
Selective Electronic Safety and Security Demolition						
441	Remove Horn/Strobe Around Corridor Area	11,977	GSF	\$1	\$10,428	\$40,052
442	Demo - Fire alarm horn and strobe light, electrical demolition, remove	1.00	NOTE	0.00	\$0	\$40,052
		3.00	Ea.	78.60	\$236	\$40,052

RIBUS Cost

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
28. Electronic Safety and Security	11,977	GSF	\$1	\$10,428	\$10,428
Selective Electronic Safety and Security Demolition					
443 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	90.00	L.F.	5.19	\$467	\$40,052
444 Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including removal of supports and terminations	3.00	Ea.	15.72	\$47	\$47
445 Demo - Control cable, copper, 600 V or less, 2 wires, electrical demolition, remove	1.00	C.L.F.	52.35	\$52	\$52
446 Allowance for Fire Alarm Engineering, Re-programming, Testing and Commissioning	1.00	L.S.	1,238.80	\$1,239	\$1,239
447 Remove Conduit interfering with Elevator Shaft	1.00	NOTE	0.00	\$0	\$0
448 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	250.00	L.F.	5.19	\$1,297	\$1,297
449 Demo - High performance cable, 4 pair, electrical demolition, remove	1,500.00	L.F.	0.63	\$943	\$943
450 Allowance for actual condition Survey, & Investigation	1.00	L.S.	628.80	\$629	\$629
451 Remove Fire Alarm Devices in News Link Area	1.00	NOTE	0.00	\$0	\$0
452 Demo - Smoke detector, electrical demolition, remove	2.00	Ea.	54.70	\$109	\$109
453 Demo - Fire alarm horn and strobe light, electrical demolition, remove	2.00	Ea.	78.60	\$157	\$157
454 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	120.00	L.F.	5.19	\$623	\$623
455 Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including removal of supports and terminations	6.00	Ea.	15.72	\$94	\$94
456 Demo - Fire Alarm cable, copper, 600 V or less, 2 wires, electrical demolition, remove	2.40	C.L.F.	52.35	\$126	\$126
457 Allowance for Fire Alarm Engineering, Re-programming, Testing and Commissioning	1.00	L.S.	1,238.80	\$1,239	\$1,239
458 Remove Speakers in News Link Area	1.00	NOTE	0.00	\$0	\$0
459 Demo - Speaker, electrical demolition, remove, excl rough-in	3.00	Ea.	52.35	\$157	\$157

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
28. Electronic Safety and Security	11,977	GSF	\$1	\$10,428	\$40,052
Selective Electronic Safety and Security Demolition					\$10,428
460 Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	30.00	L.F.	5.19	\$156	
461 Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including removal of supports and terminations	3.00	Ea.	15.72	\$47	
462 Demo - Speaker Flex Connector, electrical demolition, remove	3.00	Ea.	12.58	\$38	
463 Demo - Sound cable, electrical demolition, remove	100.00	L.F.	0.47	\$47	
464 Allowance for Testing and Commissioning remaining system	1.00	L.S.	534.40	\$534	
465 Remove Access Control for Door Type HR at Elevator 59S7	1.00	NOTE	0.00	\$0	
466 Demo - card reader, electrical demolition, remove	1.00	Ea.	157.20	\$157	
467 Demo - CCTV camera, electrical demolition, remove	1.00	Ea.	157.20	\$157	
468 Demo - intercom outlet, electrical demolition, remove	1.00	Ea.	157.20	\$157	
469 Allowance for Access Control Engineering, Re-programming, Testing and Commissioning	1.00	L.S.	1,719.20	\$1,719	
28. Electronic Safety and Security	11,977	GSF	\$1	\$11,159	\$40,052
Fire Alarm System					\$11,159
470 Fire Alarm Speaker/Strobe in New Lounge Lobby Area	1.00	NOTE	0.00	\$0	
471 Detection system, speaker/strobe, ADA type, excluding wires & conduits	1.00	Ea.	386.21	\$386	
472 Re-install, Detection system, speaker/strobe, ADA type, excluding wires & conduits	3.00	Ea.	237.21	\$712	
473 Re-install Detection Systems, detector, addressable type, excl. wires & conduit	4.00	Ea.	321.77	\$1,287	
474 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	160.00	L.F.	10.87	\$1,739	
475 Outlet boxes, pressed steel, 4" square	8.00	Ea.	65.78	\$526	
476 Outlet boxes, pressed steel, plaster rings, 4" square, concealed	8.00	Ea.	23.55	\$188	

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British Airways - MIA D21 Galleries Lounge - Pkg A 100% - Construction Cost

	QTY	UOM	UNIT COST	SUB-TOTAL	LEVEL-TOTAL
28. Electronic Safety and Security	11,977	GSF	\$1	\$11,159	\$40,052
Fire Alarm System					\$11,159
477 Fire alarm cable, FEP teflon, 150 volt, to 200 Deg.C, #18, 1 pair	1.80	C.L.F.	227.70	\$410	
478 Allowance for Fire Alarm Engineering, Re-programming, Testing and Commissioning	1.00	L.S.	1,238.80	\$1,239	
479 Fire Alarm Fire Man Jack in New Lounge Lobby	1.00	NOTE	0.00	\$0	
480 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	50.00	L.F.	10.87	\$543	
481 Outlet boxes, pressed steel, 4-11/16" square, 2-1/8" deep, 3/4" to 1-1/4" KO	1.00	Ea.	74.88	\$75	
482 Voice/Data outlets, single opening, excl voice/data devices	1.00	Ea.	33.75	\$34	
483 Unshielded twisted pair (UTP) cable, solid, plenum, #24, 4 pair, category 6	3.00	C.L.F.	203.68	\$611	
484 Unshielded twisted pair (UTP) connector, RJ-45, #24, 4 pair, category 5	1.00	Ea.	17.02	\$17	
485 Unshielded twisted pair (UTP) jack, RJ-45, category 6	1.00	Ea.	22.59	\$23	
486 Fire Alarm Speaker/Strobe in New Corridor Area	1.00	NOTE	0.00	\$0	
487 Re-install, Detection system, speaker/strobe, ADA type, excluding wires & conduits	1.00	Ea.	237.21	\$237	
488 Re-install, Detection system, horn/strobe, ADA type, excluding wires & conduits	1.00	Ea.	237.21	\$237	
489 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	90.00	L.F.	10.87	\$978	
490 Outlet boxes, pressed steel, 4" square	3.00	Ea.	65.78	\$197	
491 Outlet boxes, pressed steel, plaster rings, 4" square, concealed	3.00	Ea.	23.55	\$71	
492 Fire alarm cable, FEP teflon, 150 volt, to 200 Deg.C, #18, 1 pair	1.80	C.L.F.	227.70	\$410	
493 Allowance for Fire Alarm Engineering, Re-programming, Testing and Commissioning	1.00	L.S.	1,238.80	\$1,239	

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	QTY	UOM	UNIT COST	SUB-TOTAL	LEVEL TOTAL
28. Electronic Safety and Security Access Control System	11,977	GSF	\$2	\$18,466	\$18,466
					\$40,052
494 Access Control Devices For Elevator Door	1.00	NOTE	0.00	\$0	
495 Re-Install card reader, proximity type, excl. wires & conduit	2.00	Ea.	465.79	\$932	
496 Re-Install Intercommunication outlet, excl rough-in wires, cables & conduits	2.00	Ea.	157.20	\$314	
497 Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	80.00	L.F.	10.87	\$869	
498 Outlet boxes, pressed steel, 4" square	2.00	Ea.	65.78	\$132	
499 Outlet boxes, pressed steel, plaster rings, 4" square, concealed	2.00	Ea.	23.55	\$47	
500 Access Control cable, 150 volt, #22, 4 pair	2.00	C.L.F.	336.68	\$673	
501 Allowance for Access Control Engineering, Re-programming, Testing and Commissioning	1.00	L.S.	3,438.40	\$3,438	
502 Relocation of Matrix Box	1.00	NOTE	0.00	\$0	
503 Re-Install Matrix Box, excl. wires & conduit	1.00	Ea.	811.00	\$811	
504 Electric metallic tubing (EMT), 1-1/4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	50.00	L.F.	15.40	\$770	
505 Access Control cable, 150 volt, #22, 4 pair	2.50	C.L.F.	336.68	\$842	
506 Allowance for Testing, and Commissioning	1.00	L.S.	2,137.60	\$2,138	
507 Add Access Control Door at Ramp Level	1.00	EA	7,500.00	\$7,500	
Allowance for Secure Door at Roof Level	1	LS	\$15,000	\$15,000	\$15,000
Secure Door at Roof Level					
508 Allowance for Secure Door at Roof Level	1.00	ALLOW	15,000.00	\$15,000	

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	QTY	UOM	UNIT COST	SUB TOTAL	LEVEL TOTAL
Allowance for Corridor at Chicken Kitchen Grill Corridor at Chicken Kitchen Grill Entrance	1	ALLOW	\$50,000	\$50,000	\$50,000
509 Allowance for Corridor at Chicken Kitchen based on Heery Estimate attached	1.00	ALLOW	50,000.00	\$50,000	
Allowance for Construction related to US Air Temporary Relocation US Air temporary construction relocation	1	ALLOW	\$25,000	\$25,000	\$25,000
510 Allowance for Construction of US Air temporary relocation	1.00	ALLOW	25,000.00	\$25,000	
Reserve for Design Development Design Development	1	LS	\$92,773	\$92,773	\$92,773
511 Reserve for Design Development - 5%	1.00	LS	92,773.00	\$92,773	
Prime Contractor MarkUps Prime Contractor Markup	1	LS	\$292,234	\$292,234	\$292,234
512 Prime Contractor Markups - 15%	1.00	LS	292,234.00	\$292,234	
Escalation/Market Conditions Adjustment Escalation/Market Conditions Adjustment	1	LS	\$224,046	\$224,046	\$224,046
513 Escalation/Market Conditions Adjustment - 10%	1.00	LS	224,046.00	\$224,046	

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ATRIUM

1ST AIR OFFICES

OFFICE

OFFICE

OFFICE

EXIST BAG BELT

BEHA (10)

GRUPOTACA (AASA & AEROPOSTAL) (1)

45 EXISTING COUNTERS

