

Memorandum



Date: May 29, 2014

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: British Airways Airside Improvements - Package "A" MIA D21 Galleries Lounge
TAC-R Project #T-172A

RECOMMENDATION:

This is a request for the Small Business Development Division to approve the subject project in order for the Aviation Department to proceed with the **British Airways Airside Improvements – Package "A" – Airside Improvements MIA D21 Galleries Lounge (Tenant Agreement Contract-Reimbursable) TAC-R Project #T-172A.**

The Term of this Contract is for one-hundred and seventy-five (175) days. The Contract estimated amount is **\$2,165,403.00.**

The Minority Affairs Division staff has evaluated the subject project and recommends an **8% CSBE Goal as the Contract Measure, and a 10% CWP Goal as set forth in Implementing Orders #3-22 & #3-41.** The attached MDAD Contract Measures Analysis Worksheet findings and other supporting documents are attached.

BACKGROUND/SCOPE OF SERVICES:

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.

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.

Scope to add a 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 the finishes "bare" and the Lounge Project (TAC-N #T-172B) will complete the finishes scope in the Airside Improvements footprint with British Airways finishes. **The User division has been informed of the new Ordinance pertaining to Small Business Enterprise Program amending Section 2-8.1.1.1.1 of the Code. They will be working on providing upcoming information for TAC-N #T172B.**

British Airways Airside Improvements - Package "A" MIA D21 Galleries Lounge
TAC-R Project #T-172A
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If you have questions, you can contact me at (305) 876-7221 or C. Corrales at (305) 876-7991.

Attachments

cc: G. Owens, MDAD
S. Negreira, MDAD
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Project File

MDAD's CONTRACT MEASURES AND ANALYSIS WORKSHEET

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

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 NUMBER: TAC-R Project No. T-172A

DEPARTMENT: Aviation

ESTIMATED PROJECT COST: \$2,165,403.00

FUNDING SOURCE: TAC-R

DESCRIPTION OF PROJECT: 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.

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order No. 3-22, indicate that an 8% CSBE Goal is appropriate for this project.

CONTRACT MEASURES RECOMMENDATION:

Measures 8% CSBE Goal

REASONS FOR RECOMMENDATION: Analysis of the factors contained in Implementing Order # 3-22 indicates that a CSBE Goal is appropriate for this contract.

Note:

Trade categories that were identified for this project were verified through the certified firms list for CSBE firms dated (5/22/14): Possible Trade Categories: 236220-Commercial And Institutional Building Construction; 238210-Electrical Contractors And Other Wiring Installation Contractors; 238220-Plumbing, Heating And Air-Conditioning Contractors; 238290-Other Building Equipment Contractors; 238910-Site Preparation Contractors. After SBD review of Scope of Services, please advise if there are additional Trade Categories that may be utilized for this project.

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

Line Number	Tree Level 2	Tree Level 3	Description	Quantity	Unit of Measur	Unit Cost	Total Cost
1	1. General Conditions	1.1	Install Temporary Partition at Public Concourse Area - Assume 12'H	550 SF		\$28.00	\$15,400
2	1. General Conditions	2.1	Repair Terrazzo after Temporary Partition Removal - Moved to Package B	1 NOTE		\$0.01	\$0
3	1. General Conditions	3.1	Temporary Protection at Roof Level - protect Roof Slab opening	500 SF		\$10.00	\$5,000
4	1. General Conditions	4.1	Alrside MOT - Barricades at D21	1000 LF		\$62.41	\$62,410
5	1. General Conditions	5.1	Alrside Hoist for Steel and Roof Equipment	3 MO		\$56,165	\$56,165
6	1. General Conditions	6.1	Daily Clean Up, Dust Control	5 MO		\$10,000.00	\$50,000
7	2. Site Work - Demolition	7.1	CONCOURSE LEVEL	1 NOTE		\$0	\$0
8	2. Site Work - Demolition	8.2	Demo Existing Partitions @ Level 2	1248 SF		\$10.00	\$12,480
9	2. Site Work - Demolition	9.2	Remove Wall Finishes @ Level 2	660 SF		\$3.00	\$1,980
10	2. Site Work - Demolition	10.2	Demo GWB Ceiling @ Level 2	350 SF		\$15.00	\$5,250
11	2. Site Work - Demolition	11.2	Demo Won Door and Frame @ Level 2	1 EA		\$400.00	\$400.00
12	2. Site Work - Demolition	12.2	Demo Door and Frame @ Level 2	3 EA		\$300.00	\$900
13	2. Site Work - Demolition	13.2	Demo Elevator Door, Frame, Push Button, etc. @ Level 2	1 EA		\$450.00	\$450
14	2. Site Work - Demolition	14.2	THIRD LEVEL	1 NOTE		\$0	\$0
15	2. Site Work - Demolition	15.2	Demo GWB Ceiling	30 SF		\$15.00	\$450
16	2. Site Work - Demolition	16.2	Demo Door and Frame	1 EA		\$300.00	\$300
17	2. Site Work - Demolition	17.2	Demo Existing Partitions	1700 SF		\$10.00	\$17,000
18	2. Site Work - Demolition	18.2	Demo ACT	360 SF		\$3.00	\$1,080
19	2. Site Work - Demolition	19.2	Wheel Barrow Demo Debris to curb	100 CY		\$105.00	\$10,500
20	2. Site Work - Demolition	20.2	Haul Demo Debris	100 CY		\$50.00	\$5,000
21	2. Site Work - Demolition	21.2	F2010 Building Elements Demolition	1 NOTE		\$0	\$0
22	2. Site Work - Demolition	22.2	Int. demolition Struct - Cut Open level 3 Slab Elev Opening 11'2" x 8'1" - 89 sf	89 SF		\$218.44	\$19,441
23	2. Site Work - Demolition	23.2	Int. demolition Struct - Cut Open level 3 Slab Stair Opening 18'10" x 5'0" - 94 sf	94 SF		\$218.44	\$20,533
24	2. Site Work - Demolition	24.2	Int. demolition Struct - Cut Open Lvl 3 Slab for Supply Duct - 32" x 18" - 4 sf	4 SF		\$218.44	\$874
25	2. Site Work - Demolition	25.2	Int. demolition Struct - Cut Open Lvl 3 Slab for Exhaust Duct - 36" x 48" - 14 sf	14 SF		\$3,058	\$3,058
26	2. Site Work - Demolition	26.2	Int. demolition Struct - Cut Open Roof Slab for Supply Duct - 32" x 18" - 4 sf	4 SF		\$218.44	\$874
27	2. Site Work - Demolition	27.2	Int. demolition Struct - Cut Open Roof Slab for Exhaust Duct - 36" x 48" - 14 sf	14 SF		\$218.44	\$3,058
28	2. Site Work - Demolition	28.2	Int. demolition Struct - Cut portion of W16 x 31 W10 x 33 at Lvl 3 Elev Pit - 10 lf	1 LS		\$7,500.00	\$7,500
29	2. Site Work - Demolition	29.2	Int. demolition Struct - Allowance for Mechanical Ducts Wall Penetrations	1 LS		\$5,000.00	\$5,000
30	2. Site Work - Demolition	30.2	Wheel Barrow Demo Debris to curb	100 CY		\$105.00	\$10,500
31	2. Site Work - Demolition	31.2	Haul Demo Debris	100 CY		\$90.00	\$9,000
32	3. Concrete	32.3	B1010 Floor Construction	1 NOTE		\$0	\$0
33	3. Concrete	33.3	Infill Slab Opening at existing duct penetrations - Concrete Slab Lvl 2	23 SF		\$100.00	\$2,300
34	3. Concrete	34.3	Infill Slab Opening at existing duct penetrations - Concrete Slab Lvl 3	23 SF		\$100.00	\$2,300
35	3. Concrete	35.3	Infill Slab Opening at existing Fan Penetration at Lvl 4	40 SF		\$100.00	\$4,000
36	3. Concrete	36.3	6" Concrete Slab Elevator Machine Room at Lvl 4	200 SF		\$50.00	\$10,000
37	3. Concrete	37.3	Equipment Slab at Machine Room - pour 6" concrete Equipment Slab, 3' wide	28 SF		\$50.00	\$1,400
38	3. Concrete	38.3	Core Openings in Level 4 Deck for Elevator Cables	2 EA		\$1,500.00	\$3,000
39	3. Concrete	39.3	B1020 Roof Construction	1 NOTE		\$0	\$0
40	3. Concrete	40.3	Roof Slab at Elevator Machine Room - CIP 6" concrete slab	200 SF		\$75.00	\$15,000
41	3. Concrete	41.3	C2010 Stair Construction	1 NOTE		\$0	\$0
42	3. Concrete	42.3	Concrete - Cast in Place Stair Risers, Metal Deck	4 CY		\$1,500.00	\$6,000
43	3. Concrete	43.3	Formwork - Cast in Place Stair Risers = 29 risers x 1' x 5.5' wide = 160 sf + sides 60 sf = 220	220 SF		\$25.00	\$5,500
44	4. Masonry	44.4	Wall Type 5A - CMU - 1 layer GWB including reinforcement at Lvl 2	420 SF		\$28.24	\$11,861
45	4. Masonry	45.4	Wall Type 8 - CMU - 1 layer GWB/insulation including reinforcement at Lvl 3	660 SF		\$35.00	\$23,100
46	4. Masonry	46.4	Wall Type 8 - CMU - 1 layer GWB, insulation including reinforcement and Stucco Finish at Tie Beam, 08 x 12 with reinf. @ New Elev Machine Room Incl reinforcement	900 SF		\$60.00	\$54,000
47	4. Masonry	47.4	B1010 Floor Construction	55 LF		\$50.00	\$2,750
48	5. Metals	48.5	Structural Steel - W08 x 10 Machine Roof Frame at Lvl 4 - 11 lf	1 NOTE		\$0	\$0
49	5. Metals	49.5	Structural Steel - W10 x 15 at duct openings at Lvl 3 floor - 12 lf	0.055 TN		\$27,000.00	\$1,485
50	5. Metals	50.5	Structural Steel - W12 x 19 Machine Roof Frame at Lvl 4 - 93 lf	0.09 TN		\$27,000.00	\$2,430
51	5. Metals	51.5	Structural Steel - W12 x 19 Machine Roof Frame at Lvl 4 - 93 lf	0.8835 TN		\$27,000.00	\$23,855
52	5. Metals	52.5	Structural Steel - W12 x 19 Machine Roof Frame at Lvl 4 - 15 lf	0.1425 TN		\$27,000.00	\$3,848
53	5. Metals	53.5	Structural Steel - W12 x 40 steel rails under Elev Hoist at Lvl 4 - 16 lf	0.32 TN		\$27,000.00	\$8,640
54	5. Metals	54.5	Structural Steel - W14 x 26 at elevator shaft at Lvl 3 floor - concrete Encased - 24 lf	0.312 TN		\$29,500.00	\$9,204

55 5. Metals	Floor Construction	Structural Steel - WWF 6"x 6" at roof slab	202 SF	\$3.50	\$707
56 5. Metals	Floor Construction	Allowance for Steel Plates at Connections	1 LS	\$15,000.00	\$15,000
57 5. Metals	Roof Construction	Machine Room at Level 4 Roof	1 Note	\$0.01	\$0
58 5. Metals	Roof Construction	Structural Steel - W08 x 10 at duct openings at Lvl 4 roof - 21 LF	0.11 TN	\$27,000.00	\$2,970
59 5. Metals	Roof Construction	Structural Steel - W24 x 62 at Exhaust Fan Openings at Lvl 4 Roof - 15 LF	0.465 TN	\$27,000.00	\$12,555
60 5. Metals	Roof Construction	Structural Steel - W24 x 84 at Exhaust Fan Openings at Lvl 4 Roof - 29 LF	1.22 TN	\$27,000.00	\$32,940
61 5. Metals	Roof Construction	Structural Steel - W08 x 21 Hoist Beam at Lvl 5 roof - 6 LF	0.063 TN	\$27,000.00	\$1,701
62 5. Metals	Stair Construction	Structural Steel - Bent Plate at Stair Closure	5.5 LF	\$80.00	\$440
63 5. Metals	Stair Construction	Structural Steel - HSS 3x3x1/4 support for Stair Stringers at Lvl 2 floor - 3 LF	0.025 TN	\$33,000.00	\$825
64 5. Metals	Stair Construction	Structural Steel - HSS 4x4x1/4 support for Stair Stringers at Lvl 2 floor - 15 LF	0.05 TN	\$33,000.00	\$1,650
65 5. Metals	Stair Construction	Structural Steel - W10 x 15 support for Stair Stringers at Lvl 2 floor - 6 LF	0.045 TN	\$33,000.00	\$1,485
66 5. Metals	Stair Construction	Structural Steel - W12 x 26 Stair Stringers at Lvl 2 floor - 75 LF	1 TN	\$33,000.00	\$33,000
67 5. Metals	Stair Construction	Structural Steel - Metal Deck on Stairs	202 SF	\$20.00	\$4,040
68 5. Metals	Stair Construction	Structural Steel - Stair Nosing, 3"	29 EA	\$125.00	\$3,625
69 5. Metals	Stair Construction	Structural Steel - Stiffeners, Steel Plates and Anchor Bolts and Misc Steel at Stairs	1 EA	\$10,000.00	\$10,000
70 5. Metals	Miscellaneous Metals	16GA Sheet Metal Backing to Secure Handrail @ Lvl 2	60 LF	\$10.00	\$600
71 5. Metals	Miscellaneous Metals	Steel Ladder to Elevator Room Roof, 1 1/2" Galv Steel with 8 sf landing @ Lvl 4 Roof	1 EA	\$3,500.00	\$3,500
72 5. Metals	Miscellaneous Metals	8"Wx5"H Galvanized Metal Gutter @ Lvl 4 Roof	1 EA	\$500.00	\$500
73 5. Metals	Miscellaneous Metals	4"x4" Downspout @ Lvl 4 Roof	16 LF	\$7.00	\$112
74 5. Metals	Miscellaneous Metals	Chain Link Fence @ Lvl 4 Roof	20 SF	\$10.00	\$200
75 7. Thermal and Moisture Protection	Roofing	FOURTH LEVEL	1 NOTE	\$0.01	\$0
76 7. Thermal and Moisture Protection	Roofing	Foam Roof Insulation at Machine Room	200 SF	\$6.00	\$1,200
77 7. Thermal and Moisture Protection	Roofing	Modified Bitumen Covering at Elev. Machine Roof	200 SF	\$20.00	\$4,000
78 7. Thermal and Moisture Protection	Roofing	Replace Modified Bitumen Covering at Parapet Wall	215 SF	\$20.00	\$4,300
79 7. Thermal and Moisture Protection	Roofing	Roof Curb at Gravity Ventilator	215 SF	\$20.00	\$4,300
80 7. Thermal and Moisture Protection	Roofing	Allowance to Patch roof at machine room perimeter	12 LF	\$200.00	\$2,400
81 7. Thermal and Moisture Protection	Fire Proofing	Spray On Fire Proof - New Steel Members	1 ALLOW	\$10,000.00	\$10,000
82 7. Thermal and Moisture Protection	Fire Proofing	Spray On Fire Proof - New Steel Decking	1000 SF	\$10.00	\$10,000
83 7. Thermal and Moisture Protection	Fire Proofing	Allowance for fire Stopping at Duct and steel Penetrations - Roof & Level 3 Slab	200 SF	\$15,000.00	\$3,000
84 7. Thermal and Moisture Protection	Interior Doors & Hardware	Slidelite Type 1 Door and Frame at Lobby Entrance @ Lvl 2	1 EA	\$3,500.00	\$3,500
85 8. Doors	Interior Doors & Hardware	Hardware Group 2 @ Lvl 2	1 EA	\$1,500.00	\$1,500
86 8. Doors	Interior Doors & Hardware	New Access Door @ Lvl 2	2 EA	\$350.00	\$700
87 8. Doors	Interior Doors & Hardware	New Access Door @ Lvl 3	1 EA	\$350.00	\$350
88 8. Doors	Interior Doors & Hardware	Hollow Metal Door and Frame at Elevator Penthouse @ Lvl 4	1 EA	\$1,500.00	\$1,500
89 8. Doors	Interior Doors & Hardware	Hardware Group 1 @ Lvl 4	1 EA	\$1,000.00	\$1,000
90 8. Doors	Interior Partitions	Wall Type 2 - 1hr GWB 1 layer/ 1 Side @ Lvl 2	250 SF	\$10.00	\$2,500
91 9. Finishes	Interior Partitions	Wall Type 1 - Non rated GWB 1 layer/ 2 Sides @ Lvl 2	120 SF	\$10.00	\$1,200
92 9. Finishes	Interior Partitions	Wall Type 5 - 2hr CMU 1 layer GWB @ Lvl 2	330 SF	\$10.00	\$3,300
93 9. Finishes	Interior Partitions	Wall Type 4 - 2hr Shaftwall @ Lvl 2	990 SF	\$25.00	\$24,750
94 9. Finishes	Interior Partitions	Wall Type 3 - 2hr Shaftwall @ Lvl 2	660 SF	\$20.00	\$13,200
95 9. Finishes	Interior Partitions	Wall Type 7 - 2hr Existing CMU with GWB 1 layer/ 1 Side @ Lvl 2	825 SF	\$5.00	\$4,125
96 9. Finishes	Interior Partitions	Wall Type 5A - 2hr CMU 1 layer GWB and Insulation @ Lvl 3	660 SF	\$10.00	\$6,600
97 9. Finishes	Interior Partitions	Wall Type 6 - 2hr Existing Partition with GWB 1 layer/ 1 Side @ Lvl 3	600 SF	\$5.00	\$3,000
98 9. Finishes	Interior Partitions	Wall Type 2 - 1hr GWB 1 layer/ 1 Side @ Lvl 3	2475 SF	\$10.00	\$24,750
99 9. Finishes	Interior Partitions	Wall Type 1 - Non rated GWB 1 layer/ 2 Sides @ Lvl 3	165 SF	\$10.00	\$1,650
100 9. Finishes	Interior Partitions	Wall Type 4 - 2hr Shaftwall @ Lvl 3	330 SF	\$25.00	\$8,250
101 9. Finishes	Interior Partitions	Wall Type 8 - CMU w GWB 1 layer, Stucco and Insulation @ Lvl 4	900 SF	\$10.00	\$9,000
102 9. Finishes	Wall Finishes	C3010 Waji Finishes	1 NOTE	\$0.01	\$0
103 9. Finishes	Wall Finishes	CONCOURSE LEVEL	1 NOTE	\$0.01	\$0
104 9. Finishes	Wall Finishes	Stainless Steel Wainscoting at Lvl 2 lobby Area	160 SF	\$60.00	\$9,600
105 9. Finishes	Wall Finishes	Paint Wall Type 2	250 SF	\$1.50	\$375
106 9. Finishes	Wall Finishes	Paint Wall Type 5	120 SF	\$1.50	\$180
107 9. Finishes	Wall Finishes	Paint Wall Type 1	330 SF	\$1.50	\$495
108 9. Finishes	Wall Finishes	Paint Wall Type 4	990 SF	\$1.50	\$1,485
109 9. Finishes	Wall Finishes				

110 9. Finishes	Wall Finishes	Paint Wall Type 3	660 SF	\$1.50	\$990
111 9. Finishes	Wall Finishes	Paint Wall Type 7	825 SF	\$2.475	\$2,040
112 9. Finishes	Wall Finishes	Paint Temporary Wall	810 SF	\$1.50	\$1,215
113 9. Finishes	Wall Finishes	THIRD LEVEL	1 NOTE	\$0.01	\$0
114 9. Finishes	Wall Finishes	Paint Wall Type 5A	660 SF	\$3.00	\$1,980
115 9. Finishes	Wall Finishes	Paint Wall Type 6	600 SF	\$1.50	\$900
116 9. Finishes	Wall Finishes	Paint Wall Type 2	2475 SF	\$1.50	\$3,713
117 9. Finishes	Wall Finishes	Paint Wall Type 1	165 SF	\$2.48	\$408
118 9. Finishes	Wall Finishes	Paint Wall Type 4	330	\$1.50	\$495
119 9. Finishes	Wall Finishes	FOURTH LEVEL	1 NOTE	\$0.01	\$0
120 9. Finishes	Wall Finishes	Stucco Finish and Paint Wall Type 8	900	\$7.00	\$6,300
121 9. Finishes	Ceiling Finishes	CONCOURSE LEVEL	1 NOTE	\$0.01	\$0
122 9. Finishes	Ceiling Finishes	1hr Fire Rated Soffit Enclosure A	740 SF	\$25.00	\$18,500
123 9. Finishes	Ceiling Finishes	Ceiling & Stair Soffit B	60 LF	\$25.00	\$1,500
124 9. Finishes	Ceiling Finishes	New Acoustical Ceiling Tile	2860 SF	\$5.00	\$14,300
125 9. Finishes	Ceiling Finishes	THIRD LEVEL	1 NOTE	\$0.01	\$0
126 9. Finishes	Ceiling Finishes	1hr Fire Rated Soffit Enclosure A	40 SF	\$25.00	\$1,000
127 9. Finishes	Ceiling Finishes	New Acoustical Ceiling Tile	470 SF	\$5.00	\$2,350
128 14. Conveying Systems	Elevator #59 Modification	Modify Existing Elevator Cab - Enclose second opening and Elevator Cab Finishes	1 EA	\$100,000.00	\$100,000
129 14. Conveying Systems	Elevator #59 Modification	Relocate Elevator Hoist #59 from Level 3 to Roof Level	1 EA	\$47,800.00	\$47,800
130 14. Conveying Systems	Elevator #59 Modification	Relocate Elevator #59 Control Panel conduits from lvl 3 to lvl 4	1 LS	\$15,076.00	\$15,076
131 14. Conveying Systems	Elevator #59 Modification	Reprogram, Test & Commission Elevator	1 LS	\$55,400.00	\$55,400
132 15. Mechanical	Fire Suppression	Fire Protection Demolition	1 NOTE	\$0.01	\$0
133 15. Mechanical	Fire Suppression	Int. demolition FP - Remove Section of FP at Lvl 2 Entrance - 33 lf	1 LOC	\$1,500.00	\$1,500
134 15. Mechanical	Fire Suppression	Int. demolition FP - Remove Section of FP at Lvl 2 Office Area - 47 lf	1 LOC	\$1,500.00	\$1,500
135 15. Mechanical	Fire Suppression	Int. demolition FP - Remove Section of FP at Lvl 3 hallway - 24 lf	1 LOC	\$1,500.00	\$1,500
136 15. Mechanical	Fire Suppression	Int. demolition FP - Remove Section of FP at Lvl 3 mach room - 10 lf	1 LOC	\$1,500.00	\$1,500
137 15. Mechanical	Fire Suppression	Int. demolition FP - Remove Section of FP at Lvl 3 offices - 12 lf	1 LOC	\$1,500.00	\$1,500
138 15. Mechanical	Fire Suppression	Fire Protection Modifications	1 NOTE	\$0.01	\$0
139 15. Mechanical	Fire Suppression	D401D Sprinklers	1 NOTE	\$0.01	\$0
140 15. Mechanical	Fire Suppression	New Fire Sprinkler Control Valve, SS Flush Box at Elevator Shaft	1 EA	\$5,500.00	\$5,500
141 15. Mechanical	Fire Suppression	New Fire Sprinkler Line at Lvl 3 Hallway Area	1 LF	\$40.00	\$2,040
142 15. Mechanical	Fire Suppression	New Fire Sprinkler Line at Lvl 3 lobby area	32 LF	\$40.00	\$1,280
143 15. Mechanical	Fire Suppression	Repositioned Fire Sprinkler Heads at Lvl 3 Hallway area	6 EA	\$150.00	\$900
144 15. Mechanical	Fire Suppression	Reroute existing 4" Fire Sprinkler Line at Lvl 2 office area - 53 lf	1 LS	\$3,500.00	\$3,500
145 15. Mechanical	Fire Suppression	Reroute existing 8" Fire Sprinkler Line at Lvl 2 entrance area - 18 lf	1 LS	\$10,000.00	\$10,000
146 15. Mechanical	Fire Suppression	Fire Watch - Assume 4 shutdowns	1 ALLOW	\$14,000.00	\$14,000
147 15. Mechanical	Fire Suppression	New Fire Sprinkler Heads at Lvl 5 Machine Room	3 EA	\$450.00	\$1,350
148 15. Mechanical	Plumbing	Allowance for Roof Drain at Machine Room Roof - connections to existing drains	1 ALLOW	\$10,000.00	\$10,000
149 15. Mechanical	HVAC	HVAC Demolition	1 NOTE	\$0.01	\$0
150 15. Mechanical	HVAC	Ductwork, selective demolition	250 LF	\$26.68	\$6,670
151 15. Mechanical	HVAC	Diffusers, registers, selective demolition	6 EA	\$65.81	\$395
152 15. Mechanical	HVAC	Fans, selective demolition	2 EA	\$1,067.22	\$2,134
153 15. Mechanical	HVAC	Roof curb demolition	1 EA	\$177.87	\$178
154 15. Mechanical	HVAC	Metal Duct & Insulation	1 NOTE	\$0.01	\$0
155 15. Mechanical	HVAC	Galvanized Steel Rectangular Duct	3000 LB	\$16.49	\$49,466
156 15. Mechanical	HVAC	Duct Insulation	1100 SF	\$3.52	\$3,870
157 15. Mechanical	HVAC	Black Steel Welded Duct (Kitchen Grease)	600 LB	\$23.98	\$14,368
158 15. Mechanical	HVAC	Insulation Wrapping 2hr. 3M Fire (Kitchen Grease)	350 SF	\$13.44	\$4,704
159 15. Mechanical	HVAC	Duct cap	5 EA	\$145.63	\$728
160 15. Mechanical	HVAC	Ductwork, flexible	50 LF	\$15.29	\$764
161 15. Mechanical	HVAC	Distribution Equipment	1 NOTE	\$0.01	\$0
162 15. Mechanical	HVAC	Roof Gravity Ventilator 24x18 & curb	1 EA	\$2,346.70	\$2,346
163 15. Mechanical	HVAC	Fire Damper Motor motorized 24x18	1 EA	\$942.02	\$942
164 15. Mechanical	HVAC	Duct accessories, multi-blade dampers, opposed blade, 28" x 14"	1 EA	\$305.31	\$305

165 15: Mechanical	HVAC	Duct accessories, multi-blade dampers, opposed blade, 16" x 16"	1 EA	\$305.31	\$305.31
166 15: Mechanical	HVAC	Kitchen exhaust & make-up air unit w/curb	1 EA	\$13,526.23	\$13,526.23
167 15: Mechanical	HVAC	Kitchen curb & cap	1 EA	\$5,062.12	\$5,062.12
168 15: Mechanical	HVAC	Kitchen hold down cables	1 LS	\$843.69	\$844
169 15: Mechanical	HVAC	Kitchen equipment rail	1 LS	\$478.54	\$479
170 15: Mechanical	HVAC	Kitchen curb extension	1 EA	\$2,367.77	\$2,368
171 15: Mechanical	HVAC	Access panel fire rated	1 EA	\$193.44	\$193
172 15: Mechanical	HVAC	Wire mesh bird screen	1 EA	\$178.76	\$179
173 15: Mechanical	HVAC	Diffuser, Registers, and Grilles	1 NOTE	\$0.01	\$0
174 15: Mechanical	HVAC	Supply Air Diffuser	4 EA	\$336.18	\$1,345
175 15: Mechanical	HVAC	Return Air Diffuser	3 EA	\$106.06	\$318
176 15: Mechanical	HVAC	Supply Air Diffuser, sidewall (relocated)	2 EA	\$52.94	\$106
177 15: Mechanical	HVAC	HVAC Commissioning, Testing & Balance	1 NOTE	\$0.01	\$0
178 15: Mechanical	HVAC	HVAC Commissioning, System Testing & Balance	1 LS	\$15,000.00	\$15,000
179 15: Mechanical	HVAC	HVAC System Pretest	1 LS	\$2,500.00	\$2,500
180 15: Mechanical	HVAC	HVAC Controls	1 NOTE	\$0.01	\$0
181 15: Mechanical	HVAC	Control System modifications	1 LS	\$15,000.00	\$15,000
182 16: Electrical	Selective Electrical Demolition	Remove Starter Disconnects for Kitchen Grill Fans	1 NOTE	\$0.01	\$0
183 16: Electrical	Selective Electrical Demolition	Demo - Starter, size 1, NEMA 1, electrical demolition, remove, for fan located on fourth flr	2 EA	\$139.75	\$280
184 16: Electrical	Selective Electrical Demolition	Demo - Motors, 230/460 V, 60 Hz, 10 HP, electrical demolition, remove	2 EA	\$157.20	\$314
185 16: Electrical	Selective Electrical Demolition	Demo - Conduit, rigid (galvanized steel), 1/2" to 1" diameter, electrical demolition, remove	100 L.F.	\$5.19	\$519
186 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #8, electrical demolition, removed from in place conduit	3 C.L.F.	\$47.47	\$142
187 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit	1 C.L.F.	\$27.67	\$28
188 16: Electrical	Selective Electrical Demolition	Allowance for actual condition survey, & investigation	1 LS	\$1,257.60	\$1,258
189 16: Electrical	Selective Electrical Demolition	Remove Power Receptacle on Fourth Floor	1 NOTE	\$0.01	\$0
190 16: Electrical	Selective Electrical Demolition	Demo - Receptacle & switches, 15 to 30 amp, electrical demolition, remove	1 EA	\$9.27	\$9
191 16: Electrical	Selective Electrical Demolition	Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove	20 L.F.	\$5.19	\$104
192 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit	0.6 C.L.F.	\$22.79	\$14
193 16: Electrical	Selective Electrical Demolition	Remove Light Fixtures on Third Floor	1 NOTE	\$0.01	\$0
194 16: Electrical	Selective Electrical Demolition	Demo - Exit light, electrical demolition, remove	1 EA	\$52.35	\$52
195 16: Electrical	Selective Electrical Demolition	Demo - Fluorescent fixtures, interior, 4 lamp, 2' x 4', electrical demolition, remove, recess	6 EA	\$83.79	\$503
196 16: Electrical	Selective Electrical Demolition	Demo - Fluorescent fixtures, interior, industrial, 2 lamp, 4' long, electrical demolition, rem	9 EA	\$71.84	\$647
197 16: Electrical	Selective Electrical Demolition	Demo - Fixture whip, electrical demolition, remove	15 EA	\$12.58	\$189
198 16: Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	30 L.F.	\$3.14	\$94
199 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place conduit	1 C.L.F.	\$22.79	\$23
200 16: Electrical	Selective Electrical Demolition	Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including rem	8 EA	\$15.72	\$126
201 16: Electrical	Selective Electrical Demolition	Remove Light Fixtures on Concourse Level News Link Space	1 NOTE	\$0.01	\$0
202 16: Electrical	Selective Electrical Demolition	Demo - Track lighting, 8' section, electrical demolition, remove	2 EA	\$62.88	\$126
203 16: Electrical	Selective Electrical Demolition	Demo - Track lighting fixture, electrical demolition, remove	16 EA	\$19.65	\$314
204 16: Electrical	Selective Electrical Demolition	Demo - Switches, 15 to 30 amp, electrical demolition, remove	2 EA	\$9.27	\$19
205 16: Electrical	Selective Electrical Demolition	Demo - Exit light, electrical demolition, remove	2 EA	\$52.35	\$105
206 16: Electrical	Selective Electrical Demolition	Demo - Fluorescent fixtures, interior, 2 lamp, 2' x 4', electrical demolition, remove, recess	15 EA	\$76.24	\$1,144
207 16: Electrical	Selective Electrical Demolition	Demo - Fixture whip, electrical demolition, remove	8 EA	\$41.97	\$336
208 16: Electrical	Selective Electrical Demolition	Demo - Junction boxes, 4" square & octagon, electrical demolition, remove	27 EA	\$15.72	\$420
209 16: Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	10 EA	\$3.14	\$314
210 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit	100 L.F.	\$3.14	\$314
211 16: Electrical	Selective Electrical Demolition	Remove Elevator Power Cable and Conduit	1 NOTE	\$0.01	\$0
212 16: Electrical	Selective Electrical Demolition	Demo - Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove	120 L.F.	\$5.19	\$623
213 16: Electrical	Selective Electrical Demolition	Demo - Conduit, rigid galvanized steel, 1-1/4" to 2" diameter, electrical demolition, remove	60 L.F.	\$6.29	\$377
214 16: Electrical	Selective Electrical Demolition	Demo - Wireway, to 15" high, 6" x 6", electrical demolition, remove, incl fittings and supp	30 L.F.	\$10.53	\$316
215 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit	1.8 C.L.F.	\$75.77	\$136
216 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #8, electrical demolition, removed from in place conduit	0.6 C.L.F.	\$31.13	\$19
217 16: Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place conduit	3.6 C.L.F.	\$27.67	\$100
218 16: Electrical	Selective Electrical Demolition	Demo - Elevator control cable, electrical demolition, removed from in place conduit, to 15	6 C.L.F.	\$155.31	\$932
219 16: Electrical	Selective Electrical Demolition				

220 16. Electrical	Selective Electrical Demolition	Demo - Allowance for actual condition Survey, & Investigation	1 L.S.	\$2,515
221 16. Electrical	Selective Electrical Demolition	Electrical Power Demolition in News Link Area	1 NOTE	\$0
222 16. Electrical	Selective Electrical Demolition	Demo - Receptacle, 15 to 30 amp, electrical demolition, remove	10 Ea.	\$9.27
223 16. Electrical	Selective Electrical Demolition	Demo - Junction boxes, 4" square & octagon, electrical demolition, remove, including rem	8 Ea.	\$15.72
224 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	200 L.F.	\$9.14
225 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place condu	6.6 C.L.F.	\$22.79
226 16. Electrical	Selective Electrical Demolition	Demo - Electrical Closet	1 NOTE	\$0.01
227 16. Electrical	Selective Electrical Demolition	Demo Transformer and Disconnect Switch	1 NOTE	\$0.01
228 16. Electrical	Selective Electrical Demolition	Demo - Transformer, dry type, primary, 3 phase, to 600 V, 30 kVA, electrical demolition, r	1 Ea.	\$359.28
229 16. Electrical	Selective Electrical Demolition	Demo - Safety switches, 250 or 600 V, 60 amp, electrical demolition, remove, including dis	1 Ea.	\$71.45
230 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	60 L.F.	\$3.14
231 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #8, electrical demolition, removed from in place condui	1.8 C.L.F.	\$15.56
232 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place condu	0.6 C.L.F.	\$13.83
233 16. Electrical	Selective Electrical Demolition	Demo Panelboard Feeder and Loads	1 NOTE	\$0.01
234 16. Electrical	Selective Electrical Demolition	Panelboards, 4 wire, 120/208 V, 125 amp, to 20 circuits, electrical demolition, remove, inc	1 Ea.	\$261.97
235 16. Electrical	Selective Electrical Demolition	Conduit, rigid galvanized steel, 1-1/4" to 2" diameter, electrical demolition, remove condu	20 L.F.	\$3.14
236 16. Electrical	Selective Electrical Demolition	Wire, THW-THWN-THHN, 1/0, electrical demolition, removed from in place conduit, to 15	0.8 C.L.F.	\$37.89
237 16. Electrical	Selective Electrical Demolition	Wire, THW-THWN-THHN, #6, electrical demolition, removed from in place conduit, to 15	0.2 C.L.F.	\$19.26
238 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	400 L.F.	\$3.14
239 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place condu	13.2 C.L.F.	\$22.79
240 16. Electrical	Selective Electrical Demolition	Demo Motor Control Feeder and Load	1 NOTE	\$0.01
241 16. Electrical	Selective Electrical Demolition	Demo - Controller, enclosed, 30 A, NEMA 1, electrical demolition, remove	1 Ea.	\$45.59
242 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	60 L.F.	\$3.14
243 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #10, electrical demolition, removed from in place condu	1.8 C.L.F.	\$13.83
244 16. Electrical	Selective Electrical Demolition	Demo - Enclosed Circuit Breaker, 250 or 600 V, up to 200 amp, electrical demolition, remo	1 Ea.	\$369.89
245 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 2" to 3" diameter, electrical demolition, re	60 L.F.	\$2.67
246 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, 3/0, electrical demolition, removed from in place condu	2.4 C.L.F.	\$100.61
247 15. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #6, electrical demolition, removed from in place condui	0.6 C.L.F.	\$38.51
248 16. Electrical	Selective Electrical Demolition	Demo - Demo Conduit to Intercept	1 NOTE	\$0.01
249 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	300 L.F.	\$3.14
250 16. Electrical	Selective Electrical Demolition	Demo - Conduit, electric metallic tubing (EMT), 3-1/2" to 4" diameter, electrical demolition	50 L.F.	\$8.47
251 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, 600 kcmil, electrical demolition, removed from in place	6 C.L.F.	\$155.31
252 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #3, electrical demolition, removed from in place condui	1.5 C.L.F.	\$50.30
253 16. Electrical	Selective Electrical Demolition	Demo - Wire, THW-THWN-THHN, #12, electrical demolition, removed from in place condu	36 C.L.F.	\$22.79
254 16. Electrical	Selective Electrical Demolition	Allowance for actual condition Survey, & Investigation	1 L.S.	\$6,288.00
255 16. Electrical	Power Distribution	Power Receptacle Roof Mounted	1 NOTE	\$0.01
256 16. Electrical	Power Distribution	Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1 C.L.F.	\$126.68
257 16. Electrical	Power Distribution	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	30 L.F.	\$10.87
258 16. Electrical	Power Distribution	Duplex receptacle, ground fault interrupting, 20 amp	1 Ea.	\$86.03
259 16. Electrical	Power Distribution	Outlet boxes, cast, FSC, 1 gang, 3/4" hub	1 Ea.	\$136.28
260 16. Electrical	Power Distribution	Outlet boxes, cast, weatherproof in-use cover, 1 gang	1 Ea.	\$39.25
261 16. Electrical	Power Distribution	Rigid galvanized steel conduit, field bends, 3/4" diameter, 12" long, incl. coupling	2 Ea.	\$60.13
262 16. Electrical	Power Distribution	Rigid galvanized steel conduit, field bends, 45 Deg. to 90 Deg., 3/4" diameter	1 Ea.	\$31.44
263 16. Electrical	Power Distribution	Concrete core drilling, core, reinforced concrete slab, 1" diameter, up to 6" thick slab, incl	1 Ea.	\$148.11
264 16. Electrical	Power Distribution	Firestopping, metallic piping, non insulated, through walls, 2" dia	1 Ea.	\$94.20
265 16. Electrical	Power Distribution	Power Receptacle in New Elevator Machine Room	1 NOTE	\$0.01
266 16. Electrical	Power Distribution	Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1 C.L.F.	\$126.68
267 16. Electrical	Power Distribution	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	30 L.F.	\$10.87
268 16. Electrical	Power Distribution	Duplex receptacle, ground fault interrupting, 20 amp	1 Ea.	\$86.03
269 16. Electrical	Power Distribution	Outlet boxes, cast, FSC, 1 gang, 3/4" hub	1 Ea.	\$39.25
270 16. Electrical	Power Distribution	Outlet boxes, cast, weatherproof in-use cover, 1 gang	1 Ea.	\$39.25
271 16. Electrical	Power Distribution	Power Receptacle in New Lounge Lobby Area	1 NOTE	\$0.01
272 16. Electrical	Power Distribution	Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	3 C.L.F.	\$126.68
273 16. Electrical	Power Distribution	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	90 L.F.	\$10.87
274 16. Electrical	Power Distribution	Outlet boxes, pressed steel, 4" square	3 Ea.	\$65.78

275 16. Electrical	Power Distribution	Outlet boxes, pressed steel, plaster rings, 4" square, concealed	3 Ea.	\$23.55	\$71
276 16. Electrical	Power Distribution	Duplex receptacle, grounded, 120 volt, 20 amp	3 Ea.	\$57.48	\$172
277 16. Electrical	Power Distribution	Wall plates, stainless steel, 1 gang	3 Ea.	\$18.22	\$55
278 16. Electrical	Power Distribution	Intercept & Re-install Power Run around Stair	1 NOTE	\$0	\$0
279 16. Electrical	Power Distribution	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	300 L.F.	\$10.71	\$3,212
280 16. Electrical	Power Distribution	Electric metallic tubing (EMT), 4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 b	50 L.F.	\$49.44	\$2,472
281 16. Electrical	Power Distribution	Outlet boxes, pressed steel, 4" square	12 Ea.	\$65.34	\$784
282 16. Electrical	Power Distribution	Outlet boxes, pressed steel, covers, blank, 4" square	12 Ea.	\$21.29	\$255
283 16. Electrical	Power Distribution	Pull boxes sheet metal, type SC, 24" W x 24" H x 6" D, NEMA 1	2 Ea.	\$479.50	\$959
284 16. Electrical	Power Distribution	Wire, copper, stranded, 600 volt, #6, type THWN-THHN, in raceway	6 C.L.F.	\$2,342.41	\$14,054
285 16. Electrical	Power Distribution	Wire, copper, stranded, 600 volt, #8, type THWN-THHN, in raceway	1.5 C.L.F.	\$376.52	\$565
286 16. Electrical	Power Distribution	Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	36 C.L.F.	\$129.78	\$4,672
287 16. Electrical	Power Distribution	Split bolt connectors, tapped, 600 kcmil	8 Ea.	\$376.90	\$3,015
288 16. Electrical	Power Distribution	Split bolt connectors, tapped, #3	2 Ea.	\$112.75	\$226
289 16. Electrical	Power Distribution	Knockouts, metal boxes & enclosures, with hole saw, 4" pipe size, to 8' high	2 Ea.	\$114.28	\$229
290 16. Electrical	Power Distribution	Power Receptacle in New Corridor	1 NOTE	\$0	\$0
291 16. Electrical	Power Distribution	Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1 C.L.F.	\$126.68	\$127
292 16. Electrical	Power Distribution	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	120 L.F.	\$10.87	\$1,304
293 16. Electrical	Power Distribution	Outlet boxes, pressed steel, 4" square	3 Ea.	\$65.78	\$197
294 16. Electrical	Power Distribution	Outlet boxes, pressed steel, covers, blank, 4" square	1 Ea.	\$23.55	\$24
295 16. Electrical	Power Distribution	Outlet boxes, pressed steel, covers, blank, 4" square	2 Ea.	\$11.47	\$23
296 16. Electrical	Power Distribution	Duplex receptacle, grounded, 120 volt, 20 amp	1 Ea.	\$57.48	\$57
297 16. Electrical	Power Distribution	Wall plates, stainless steel, 1 gang	1 Ea.	\$18.22	\$18
298 16. Electrical	Motor Feeders and Connections	Extension and Rewiring for Chicken Grill Fans	1 NOTE	\$0.01	\$0
299 16. Electrical	Motor Feeders and Connections	Electric metallic tubing (EMT), 1-1/4" diameter, to 15' high, incl 2 terminations, 2 elbows,	90 L.F.	\$9.11	\$820
300 16. Electrical	Motor Feeders and Connections	Wire, copper, stranded, 600 volt, #6, type THWN-THHN, in raceway	4 C.L.F.	\$159.76	\$639
301 16. Electrical	Motor Feeders and Connections	Pull boxes, sheet metal, type SC, 6" W x 6" H x 4" D, NEMA 1	3 Ea.	\$169.90	\$510
302 16. Electrical	Motor Feeders and Connections	Split bolt connectors, tapped, #6	12 Ea.	\$43.65	\$524
303 16. Electrical	Motor Feeders and Connections	Rigid galvanized steel conduit elbows, 1-1/4" diameter, to 15' high	3 Ea.	\$55.40	\$166
304 16. Electrical	Motor Feeders and Connections	Rigid galvanized steel conduit couplings, 1-1/4" diameter, to 15' high	3 Ea.	\$11.44	\$34
305 16. Electrical	Motor Feeders and Connections	Rigid galvanized steel conduit nipples, 1-1/4" diameter, 12" long, incl locknuts and bushing	3 Ea.	\$57.94	\$174
306 16. Electrical	Motor Feeders and Connections	Conduit fittings for rigid galvanized steel, sealing locknuts, 1-1/2" diameter	6 Ea.	\$39.69	\$238
307 16. Electrical	Motor Feeders and Connections	Conduit fittings for rigid galvanized steel, grounding bushing, insulated, 1-1/4" diameter	3 Ea.	\$45.25	\$136
308 16. Electrical	Motor Feeders and Connections	Combination starter & nonfusable disconnect, 60 amp	2 Ea.	\$4,397.00	\$8,794
309 16. Electrical	Motor Feeders and Connections	Safety switches, heavy duty, 3 pole, nonfusable, 600 volt, 60 amp, NEMA 3R	1 Ea.	\$740.79	\$741
310 16. Electrical	Motor Feeders and Connections	Flexible metallic conduit, sealitte, 1-1/4" diameter	20 L.F.	\$17.15	\$343
311 16. Electrical	Motor Feeders and Connections	Power to Relocated Elevator Machine Room	6 Ea.	\$46.65	\$280
312 16. Electrical	Motor Feeders and Connections	Power to Relocated Elevator Machine Room	1 NOTE	\$0.01	\$0
313 16. Electrical	Motor Feeders and Connections	Pull boxes, sheet metal, type SC, 24" W x 24" H x 10" D, NEMA 1	2 Ea.	\$642.04	\$1,284
314 16. Electrical	Motor Feeders and Connections	Re-install Safety switches, heavy duty, 3 pole, nonfusable, 600 volt, 30 amp, NEMA 1	1 Ea.	\$413.00	\$413
315 16. Electrical	Motor Feeders and Connections	Re-install Safety switches, heavy duty, 3 pole, nonfusable, 600 volt, 100 amp, NEMA 1	1 Ea.	\$681.97	\$682
316 16. Electrical	Motor Feeders and Connections	Wire, copper, stranded, 600 volt, #10, type THW, in raceway	1 C.L.F.	\$148.26	\$148
317 16. Electrical	Motor Feeders and Connections	Wire, copper, stranded, 600 volt, #6, type THW, in raceway	3 C.L.F.	\$256.51	\$770
318 16. Electrical	Motor Feeders and Connections	Electric metallic tubing (EMT), 1" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 b	100 L.F.	\$12.94	\$1,294
319 16. Electrical	Motor Feeders and Connections	Wire, copper, stranded, 600 volt, #2, type THW, in raceway	1 C.L.F.	\$194.20	\$194
320 16. Electrical	Motor Feeders and Connections	Wire, copper, stranded, 600 volt, #2, type THW, in raceway	3 C.L.F.	\$486.50	\$1,310
321 16. Electrical	Motor Feeders and Connections	Electric metallic tubing (EMT), 1-1/4" diameter, to 15' high, incl 2 terminations, 2 elbows,	100 L.F.	\$15.80	\$1,580
322 16. Electrical	Motor Feeders and Connections	Wireway, screw cover, 8" x 8", NEMA 3R, to 15' high, incl fittings and supports	100 L.F.	\$81.90	\$8,190
323 16. Electrical	Lightning Protection System	Lightning Protection Extension for New Elevator Room	1 NOTE	\$0.01	\$0
324 16. Electrical	Lightning Protection System	Air terminal and base, copper, 1/2" dia x 12", over 75' h	4 Ea.	\$190.70	\$763
325 16. Electrical	Lightning Protection System	Lightning protection cable, copper, 375 lb per thousand feet, over 75' h	110 L.F.	\$11.90	\$1,309
326 16. Electrical	Lightning Protection System	Copper bonding plates, 1 beam, 8" square	3 Ea.	\$205.18	\$616
327 16. Electrical	Lightning Protection System	Cable support, copper, adhesive cable holder	22 Ea.	\$34.60	\$761
328 16. Electrical	Lightning Protection System	Copper connector cable, double bolt connector	3 Ea.	\$45.27	\$136
329 16. Electrical	Lightning Protection System	Exothermic weld, 4/0 wire to 4/0 wire	2 Ea.	\$187.63	\$375

330 16. Electrical	Lightning Protection System	Exothermic weld, mold reusable for above	1 Ea.	\$137.00	\$137
331 16. Electrical	Lightning System	Lighting System in New Elevator Machine Room	1 NOTE	\$0.01	\$0
332 16. Electrical	Lighting System	Wire, copper, solid, 600 volt, #12, type THWN-THHN, in raceway	1.7 C.L.F.	\$126.68	\$215
333 16. Electrical	Lighting System	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	50 L.F.	\$10.87	\$543
334 16. Electrical	Lighting System	Outlet boxes, pressed steel, concrete, set flush, 4" deep	9 Ea.	\$2.88	\$249
335 16. Electrical	Lighting System	Outlet boxes, pressed steel, covers, blank, 4" square	9 Ea.	\$21.29	\$64
336 16. Electrical	Lighting System	Fluorescent fixture, interior, strip, pendant mounted, industrial, white porcelain enamel, 1	3 Ea.	\$381.79	\$1,145
337 16. Electrical	Lighting System	Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	3 Ea.	\$54.65	\$164
338 16. Electrical	Lighting System	Outlet boxes, pressed steel, 4" square	2 Ea.	\$65.78	\$132
339 16. Electrical	Lighting System	Outlet boxes, pressed steel, plaster rings, 4" square, concealed	2 Ea.	\$23.55	\$47
340 16. Electrical	Lighting System	Toggle switch, quiet type, single pole, 20 amp	1 Ea.	\$54.13	\$54
341 16. Electrical	Lighting System	Wall plates, stainless steel, 1 gang	1 Ea.	\$18.22	\$18
342 16. Electrical	Lighting System	Lighting devices, occupancy sensors, dual technology, ceiling mounted	1 Ea.	\$372.51	\$373
343 16. Electrical	Lighting System	Lighting System in New Lounge Lobby Area	1 NOTE	\$0.01	\$0
344 16. Electrical	Lighting System	Re-install Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 3-40 W, 2'	10 Ea.	\$251.52	\$2,515
345 16. Electrical	Lighting System	Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	10 Ea.	\$54.65	\$547
346 16. Electrical	Lighting System	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	75 L.F.	\$10.71	\$803
347 16. Electrical	Lighting System	Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	2.5 C.L.F.	\$129.78	\$324
348 16. Electrical	Lighting System	Light Fixture Type "R1"	8 Ea.	\$751.62	\$5,853
349 16. Electrical	Lighting System	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	80 L.F.	\$10.71	\$857
350 16. Electrical	Lighting System	Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	2.7 C.L.F.	\$129.78	\$350
351 16. Electrical	Lighting System	Outlet boxes, pressed steel, 4" square	14 Ea.	\$65.34	\$915
352 16. Electrical	Lighting System	Outlet boxes, pressed steel, covers, blank, 4" square	14 Ea.	\$21.29	\$298
353 16. Electrical	Lighting System	Lighting System 3rd Level in New Corridor Area	1 NOTE	\$0.01	\$0
354 16. Electrical	Lighting System	Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 3-40 W, 2' W x 4' L, 1	4 Ea.	\$401.52	\$1,606
355 16. Electrical	Lighting System	Light Fixture Type X1, ceiling or wall mount	2 Ea.	\$263.20	\$526
356 16. Electrical	Lighting System	Re-install Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 3-40 W, 2'	5 Ea.	\$251.52	\$1,258
357 16. Electrical	Lighting System	Re-install Fluorescent fixture, interior, wet location, surface mounted, 2-32 W T8, 1' W x 4'	2 Ea.	\$110.35	\$221
358 16. Electrical	Lighting System	Re-install Fluorescent fixture, interior, strip, pendant mounted, industrial, white porcelain	1 Ea.	\$110.35	\$110
359 16. Electrical	Lighting System	Re-install Light Fixture Type X1, ceiling or wall mount	2 Ea.	\$187.70	\$375
360 16. Electrical	Lighting System	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 field bend	80 L.F.	\$10.87	\$869
361 16. Electrical	Lighting System	Outlet boxes, pressed steel, 4" square	8 Ea.	\$65.78	\$526
362 16. Electrical	Lighting System	Outlet boxes, pressed steel, covers, blank, 4" square	8 Ea.	\$21.29	\$170
363 16. Electrical	Lighting System	Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	16 Ea.	\$54.65	\$874
364 26. Communications	Selective Communications Demolition	Remove PDS Conduit in News Link Area	1 NOTE	\$0.01	\$0
365 26. Communications	Selective Communications Demolition	PDS Homerun	1 NOTE	\$0.01	\$0
366 26. Communications	Selective Communications Demolition	Demo - Conduit, electric metallic tubing (EMT), 3-1/2" to 4" diameter, electrical demolition	70 L.F.	\$8.17	\$572
367 26. Communications	Selective Communications Demolition	Demo - Wireway, to 15' high, 6" x 6", electrical demolition, remove, incl fittings and supp	2 L.F.	\$10.53	\$21
368 26. Communications	Selective Communications Demolition	Demo - cable back to source allowances, electrical demolition, remove	1 L.S.	\$14,148.00	\$14,148
369 26. Communications	Selective Communications Demolition	Remove Data Outlet in News Link Area	1 NOTE	\$0.01	\$0
370 26. Communications	Selective Communications Demolition	Demo - Voice/data outlet, electrical demolition, remove	1 Ea.	\$8.96	\$9
371 26. Communications	Selective Communications Demolition	Demo - Telephone cable, electrical demolition, remove	300 L.F.	\$0.47	\$141
372 26. Communications	Selective Communications Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	50 L.F.	\$3.14	\$157
373 26. Communications	Selective Communications Demolition	Remove Data/Voice Outlet on Concourse Level	1 NOTE	\$0.01	\$0
374 26. Communications	Selective Communications Demolition	Demo - Voice/data outlet, electrical demolition, remove	2 Ea.	\$8.96	\$18
375 26. Communications	Selective Communications Demolition	Demo - Telephone cable, electrical demolition, remove	600 L.F.	\$0.47	\$283
376 26. Communications	Selective Communications Demolition	Demo - Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition,	100 L.F.	\$3.14	\$314
377 26. Communications	Intercept PDS Conduit Run in New Lounge Lc	Electric metallic tubing (EMT), 4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 b	80 L.F.	\$49.44	\$3,955
378 26. Communications	Intercept PDS Conduit Run in New Lounge Lc	Electric metallic tubing (EMT), 4" diameter, to 15' high, incl 2 terminations, 2 elbows, 11 b	1 Ea.	\$283.00	\$283
379 26. Communications	Intercept PDS Conduit Run in New Lounge Lc	Wireway, screw cover, 6" x 6", NEVA 1	2 L.F.	\$61.57	\$123
380 26. Communications	Intercept PDS Conduit Run in New Lounge Lc	Allowance for Cable, Cable Terminations, Testing and Documentation	1 L.S.	\$32,504.72	\$32,505
381 26. Communications	Intercept PDS Conduit Run in New Lounge Lc	Allowance for Testing and Commissioning	1 L.S.	\$21,376.00	\$21,376
382 28. Electronic Safety and Security	Selective Electronic Safety and Security Demolition	Remove PDS Conduit Run in New Lounge Lc	1 NOTE	\$0.01	\$0
383 28. Electronic Safety and Security	Selective Electronic Safety and Security Demolition	Remove Horn/Stroke Around Corridor Area	3 Ea.	\$78.60	\$236
384 28. Electronic Safety and Security	Selective Electronic Safety and Security Demolition	Remove PDS Conduit Run in New Lounge Lc	90 L.F.	\$5.19	\$467

440 28. Electronic Safety and Security	Access Control System	Outlet boxes, pressed steel, plaster rings, 4" square, concealed	2 Ea.	\$23.55	\$47
441 28. Electronic Safety and Security	Access Control System	Access Control cable, 150 volt, #22, 4 pair	2 C.L.F.	\$336.68	\$673
442 28. Electronic Safety and Security	Access Control System	Allowance for Access Control Engineering, Re-programming, Testing and Commissioning	1 L.S.	\$3,438.40	\$3,438
443 28. Electronic Safety and Security	Access Control System	Relocation of Matrix Box	1 NOTE	\$0.01	\$0
444 28. Electronic Safety and Security	Access Control System	Re-install Matrix Box, excl. wires & conduit	1 Ea.	\$811.00	\$811
445 28. Electronic Safety and Security	Access Control System	Electric metallic tubing (EMT), 1-1/4" diameter, to 15' high, incl 2 terminations, 2 elbows,	50 L.F.	\$15.40	\$770
446 28. Electronic Safety and Security	Access Control System	Access Control cable, 150 volt, #22, 4 pair	2.5 C.L.F.	\$336.68	\$842
447 28. Electronic Safety and Security	Access Control System	Allowance for Testing, and Commissioning	1 L.S.	\$2,137.60	\$2,138
448 Reserve for Design Development	Design Development	Reserve for Design Development - 10%	1 L.S.	\$151,664.00	\$151,664
449 Prime Contractor MarkUps	Prime Contractor Markup	Prime Contractor Markups - 15%	1 LS	\$250,245.00	\$250,245
450 Allowance for Corridor at Chicken Kitchen	Gr Prime Contractor Markup	Allowance for Corridor at Chicken Kitchen based on Heery Estimate attached	1 ALLOW	\$50,000.00	\$50,000