Addendum 5 6/23/2021

TLC SOLUTIONS 7370 Cabot Court, Suite 103 Melbourne, FL 32940 COA 15 P 321.636.0274 www.tlc-engineers.co TLC No.

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ELECTRICAL PANELBOARD SCHEDULES

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E-100L1 SITE LIGHTING - PHASE

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SHEET

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E-003

E-100DL1

E-100L2

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E-100P2

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E-101A

E-102A

E-202

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E-401

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E-504

E-506

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E-605

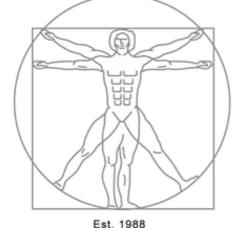
E-608

E-610

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Interiors **Planners** CORP# AA0002447



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ELECTRICAL LEGEND, NOTES

Construction Documents

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

NO ZONE INDICATES LOCAL AUDIO/VIDEO SYSTEM

WALL MOUNTED SPEAKER

"X" INDICATES TYPE

"Y" INDICATES ZON

IECC

INTERNATIONAL ENERGY CONSERVATION CODE

VARIABLE FREQUENCY DRIVE

LIGHTING CONTROL PANEL

DIRECT DIGITAL CONTROL PANEL

BUILDING AUTOMATION SYSTEM CONTROL PANEL

DDC

LCP

FLAT ROOF MOUNTED OR MECHANICAL

— G — COUNTERPOISE CONDUCTOR

DN DN THRU-ROOF CONDUCTOR

COMPENSATION TO THE ARCHITECT.

Switchboard: ACA

Location: ELEC. / MECH. 151 Supply From: OSDPA Mounting: SURFACE Enclosure: TYPE 1

Volts: 120/208 Wye Phases: 3 Wires: 4

A.I.C. Rating: 22,000 Mains Type: MLO Mains Rating: 400 A Neutral Rating: 100.00%

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	AHU-2	3	35 A	5.9 kVA	
2	CU-2	3	90 A	23.0 kVA	
3	VAV-2-1	2	15 A	1.0 kVA	
4	VAV-2-2	2	15 A	0.5 kVA	
5	VAV-2-4	2	30 A	4.5 kVA	
6	VAV-2-5	2	20 A	2.5 kVA	
7	VAV-2-6	2	25 A	4.0 kVA	
8	VAV-2-7	2	15 A	1.0 kVA	
9	VAV-2-3	2	20 A	2.5 kVA	
10	AHU-9/CU-9	2	25 A	3.9 kVA	
11	AHU-10/CU-10	2	20 A	2.3 kVA	
12	VAV-2-8	2	15 A	2.0 kVA	
13	CU-5	2	60 A	7.3 kVA	
14					
15	SURGE SUPPRESSION DEVICE	3	30 A	0.0 kVA	
16	PANEL 'ACC' VIA FEED THRU LUGS	3	400 A	45.5 kVA	
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Lighting	0.0 kVA	0.00%	0.0 kVA		
Receptacle	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	105.9 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	111.7 kVA
Heating	34.5 kVA	100.00%	34.5 kVA	Total Conn. Current:	294 A
Cooling	11.9 kVA	100.00%	11.9 kVA	Total Est. Demand Current:	310 A
Other	0.0 kVA	0.00%	0.0 kVA		
Elevator	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		
Electric Clothes Dryer	0.0 kVA	0.00%	0.0 kVA		
Kitchen Equipment	0.0 kVA	0.00%	0.0 kVA		

Switchboard: ACB

Location: MECH. 112 Supply From: OSDPB Mounting: SURFACE Enclosure: TYPE 1

Volts: 120/208 Wye Phases: 3 Wires: 4

A.I.C. Rating: 18,000 Mains Type: MLO Mains Rating: 400 A Neutral Rating: 100.00%

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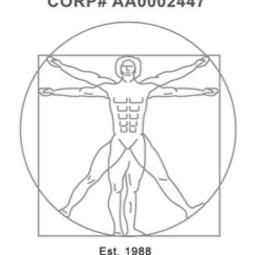
СКТ	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	AHU-1	3	20 A	3.7 kVA	13333
2	CU-1	3	90 A	23.0 kVA	
3	VAV-1-1	2	25 A	4.0 kVA	
4	VAV-1-2	2	15 A	0.5 kVA	
5	VAV-1-3	2	15 A	2.0 kVA	
6	VAV-1-4	2	25 A	3.5 kVA	
7	VAV-1-5	2	15 A	2.0 kVA	
8	VAV-1-6	2	15 A	0.5 kVA	
9	VAV-1-7	2	25 A	4.0 kVA	
10	AHU-5	3	15 A	1.8 kVA	
11	AHU-11/CU-11	2	20 A	3.9 kVA	
12	AHU-7/CU-7	2	25 A	3.9 kVA	
13	AHU-8/CU-8	2	25 A	3.9 kVA	
14	EF-1 (WOMEN'S RR 111)	1	20 A	0.7 kVA	
15	SPARE	1	20 A	0.0 kVA	
16	SPARE	1	20 A	0.0 kVA	
17	SURGE SUPPRESION DEVICE	3	30 A	0.0 kVA	
18	PANEL ACD VIA FEED THRU LUGS	3	600 A	38.6 kVA	
19					
20					
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29					
30					
31					
32					
33					
34					
35					
36					
				96.0 kVA	
				266 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Lighting	0.0 kVA	0.00%	0.0 kVA		
Receptacle	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	96.0 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	101.7 kVA
Heating	28.5 kVA	100.00%	28.5 kVA	Total Conn. Current:	266 A
Cooling	10.8 kVA	100.00%	10.8 kVA	Total Est. Demand Current:	282 A
Other	0.0 kVA	0.00%	0.0 kVA		
Elevator	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		
Electric Clothes Dryer	0.0 kVA	0.00%	0.0 kVA		
Kitchen Equipment	0.0 kVA	0.00%	0.0 kVA		

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WRITING AND WITH ARPROPRIATE
COMPENSATION TO THE ARCHITECT.

ACA	ACB	

mummummummumm

ELECTRICAL PANELBOARD SCHEDULES

Construction Documents

Notes:	Location: MECH. 233 Supply From: ACA Mounting: SURFACE Enclosure: TYPE 1 Notes:		CH. 233				A.I.C. Rating: 22,000 Mains Type: MLO Mains Rating: 400 A Neutral Rating: 100.00%			
				# of						
СКТ		Description		Poles	Trip Rating	Load	Remarks			
1	AHU-4			3	35 A	5.9 kVA				
2	CU-4			3	90 A	23.0 kVA				
3	VAV-4-1 VAV-4-2			2	15 A 15 A	1.0 kVA				
<u>4</u> 5	VAV-4-2 VAV-4-3			2 2	40 A	1.5 kVA 6.0 kVA				
6	VAV-4-3			2	15 A	2.0 kVA				
7	VAV-4-5			2	15 A	1.5 kVA				
8	VAV-4-6			2	30 A	4.5 kVA				
9	SPACE			1		-				
10	SURGE SUPPRESSION DEVICE			3	30 A	0.0 kVA				
11										
12										
13										
14										
15										
16										
17										
18 19										
20										
21										
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36										
37										
38										
39										
40										
41										
42										
						45.5 kVA 126 A				
Load Clas	ssification	Connected Load	Demand Factor	Estima	ted Demand		Panel Totals			
Lighting		0.0 kVA	0.00%).0 kVA					
Receptacle		0.0 kVA	0.00%		0.0 kVA	Total Con	n. Load: 45.5 kVA			
Motor		0.0 kVA	0.00%		0.0 kVA		Demand: 51.2 kVA			
Hoating		16 5 W/A	100.00%		6 5 12/14		Current: 126 A			

100.00%

100.00%

0.00%

0.00%

0.00%

0.00%

0.00%

16.5 kVA

5.9 kVA

0.0 kVA

0.0 kVA

0.0 kVA

0.0 kVA

0.0 kVA

Total Conn. Current: 126 A

Total Est. Demand Current: 142 A

16.5 kVA

5.9 kVA

0.0 kVA

0.0 kVA

0.0 kVA

0.0 kVA

0.0 kVA

Cooling

Elevator

Spare

Electric Clothes Dryer

Kitchen Equipment

Switchboard: ACC

Swi	tchboard: ACD			
	Location: MECH. 208	Volts: 120/208 Wye	A.I.C. Rating: 18,000	
	Supply From: ACB	Phases: 3	Mains Type: MLO	
	Mounting: SURFACE	Wires: 4	Mains Rating: 400 A	
	Enclosure: TYPE 1		Neutral Rating: 100.00%	
			•	
Notes:				

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	AHU-3	3	20 A	3.7 kVA	
2	CU-3	3	40 A	11.5 kVA	
3	VAV-3-1	2	30 A	4.5 kVA	
4	VAV-3-2	2	15 A	1.5 kVA	
5	VAV-3-3	2	15 A	2.0 kVA	
6	VAV-3-4	2	15 A	2.0 kVA	
7	VAV-3-5	2	15 A	2.0 kVA	
8	AHU-6	3	15 A	3.5 kVA	
9	CU-6	2	60 A	7.3 kVA	
10	EF-3 (MEN'S RR 215)	1	20 A	0.7 kVA	
11	SURGE SUPPRESSION DEVICE	3	30 A	0.0 kVA	
12					
13					
14					
15					
16					
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18					
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41					
42					
				38.6 kVA	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Lighting	0.0 kVA	0.00%	0.0 kVA		
Receptacle	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	38.6 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	41.5 kVA
Heating	12.0 kVA	100.00%	12.0 kVA	Total Conn. Current:	107 A
Cooling	7.1 kVA	100.00%	7.1 kVA	Total Est. Demand Current:	115 A
Other	0.0 kVA	0.00%	0.0 kVA		
Elevator	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		
Electric Clothes Dryer	0.0 kVA	0.00%	0.0 kVA		
Kitchen Equipment	0.0 kVA	0.00%	0.0 kVA		

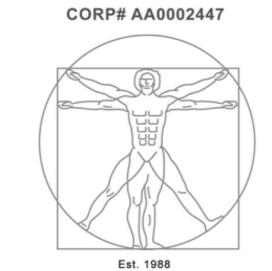
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ELECTRICAL PANELBOARD SCHEDULES

Construction Documents

E-507

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