Branch Panel: EXT. C1HJ

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: EXT.
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

NOTES	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	NOTES
1	1	TRASH AREA LIGHTS	20 A	1	1117...	1117...					1	20 A	LOADING AREA LIGHTS	2	1
1	3	STAGING CORRIDOR 10137, AND HAS...	20 A	1			902 VA	902 VA			1	20 A	NORTH PERIMITER CANOPY LIGHTS	4	1
1	5	L1 CORRIDOR LIGHTS	20 A	1					1704...	1704...	1	20 A	ELECTRIC, GENERATOR, MECH ROOM...	6	1
1	7	COMPACTOR	30 A	3	1117...	1117...					1	20 A	SOUTHWEST CUSTOMER SERVICE...	8	1
1	9	--	--	--			902 VA	902 VA			1	20 A	SOUTHWEST OPERATIONS LIGHTS	10	1
1	11	--	--	--					1704...	1704...	1	20 A	SOUTHWEST OPERATIONS LIGHTS	12	1
1	13					1117...					1	20 A	SOUTHWEST OPERATIONS LIGHTS	14	1
1	15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16	1
1	17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18	1
1	19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20	1
1	21	ELEV, E3, E4, LOBBY, CLOSET LIGHTS	20 A	1			902 VA	902 VA			1	20 A	RR UPLIGHTS	22	1
1	23	WOMENS RR LIGHTS	20 A	1					1177...	1704...	1	20 A	WEST NODE DOWN LIGHTS	24	1
1	25	L2 NODE AREA WALLS SLOT LIGHTS	20 A	1	1117...	1117...					1	20 A	CUSTOMER SERVICE LIGHTS	26	1
1	27	MENS RR LIGHTS	20 A	1			998 VA	902 VA			1	20 A	L2 NODE AREA WALL SLOT LIGHTS...	28	1
1	29	NODE AREA WALL SCONCE UPLIGHTS	20 A	1					1704...	0 VA	1	20 A	SPARE	30	1
1	31	FIBER LIGHTS	20 A	1	1117...	0 VA					1	20 A	SPARE	32	1
1	33	SPARE IN WOMENS RR CHASE IN J-BOX	20 A	1			0 VA	0 VA			1	20 A	SPARE	34	1
1	35	SPARE	20 A	1					0 VA	1530...	3	80 A	NEW C2TJ XFMR 45 KVA	36	3
1	37	EXT. C1TJ XFMR 75KVA	100 A	3	2058...	1614...					--	--	--	38	3
1	39	--	--	--			2323...	1496...			--	--	--	40	3
1	41	--	--	--					1590...	0 VA	1	20 A	TUNNEL LIGHTS	42	1
				Total Load:	27131 VA		24556 VA		28239 VA						
				Total Amps:	99 A		89 A		103 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	4051 VA	125.00%	5064 VA		
Motor	20000 VA	101.25%	20250 VA	**Total Conn. Load:**	79926 VA
Receptacle	25020 VA	100.72%	25200 VA	**Total Est. Demand:**	81358 VA
Spare	30901 VA	100.00%	30901 VA	**Total Conn.:**	96 A
				Total Est. Demand:	98 A

Notes:
1. EXISTING BREAKER TO REMAIN.
2. EXISTING BRANCH CIRCUIT TO BE REMOVED AND LABELED AS SPARE.
3. EXISTING BREAKER TO BE REMOVED AND REPLACED WITH NEW 3 POLE BREAKER FOR NEW 45 KVA TRANSFORMER.

Branch Panel: EXT. C1LJ - I

Location:
Supply From: EXT. C1TJ
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: EXT.
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

NOTES	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	NOTES
1	1	EXISTING	20 A	1	36 VA	36 VA					1	20 A	SW BREAK RM	2	1
1	3	EXISTING	20 A	1			142 VA	142 VA			1	20 A	IN SINKERATOR HWTT 2ND FL. OPS	4	1
1	5	EXISTING	20 A	1					81 VA	81 VA	1	20 A	EXISTING	6	1
1	7	EXISTING	20 A	1	36 VA	36 VA					1	20 A	EXISTING	8	1
1	9	EXISTING	20 A	1			142 VA	142 VA			1	20 A	EXISTING	10	1
1	11	EXISTING	20 A	1					81 VA	81 VA	1	20 A	EXISTING	12	1
1	13	EXISTING	20 A	1	36 VA	36 VA					1	20 A	MAG LOCK FOR DBL DRS.	14	1
1	15	EXISTING	20 A	1			142 VA	142 VA			1	20 A	EXISTING	16	1
1	17	EXISTING	20 A	1					81 VA	81 VA	1	20 A	OAPU-C121 RECIRC PUMP	18	1
1	19	EXISTING	20 A	1	36 VA	36 VA					1	20 A	EXISTING	20	1
1	21	CONNECTOR BRIDGE PLUGS	20 A	1			142 VA	142 VA			1	20 A	SWA BREAK ROOM 2ND FLOOR	22	1
1	23	MINI OPS KITCHEN	20 A	1					81 VA	81 VA	1	20 A	EXISTING	24	1
1	25	SPARE	20 A	1	0 VA	36 VA					1	20 A	EXISTING	26	1
1	27	SW BREAK RM REF.	20 A	1			142 VA	142 VA			1	20 A	EXISTING	28	1
1	29	EXISTING	20 A	1					81 VA	81 VA	1	20 A	EXISTING	30	1
1	31	SW BREAK RM VENDING	20 A	1	36 VA	36 VA					1	20 A	EXISTING	32	1
1	33	SW BREAK RM VENDING	20 A	1			142 VA	142 VA			1	20 A	EXISTING	34	1
1	35	SW BREAK RM VENDING	20 A	1					81 VA	81 VA	1	20 A	EXISTING	36	1
1	37	SW BREAK RM DISPOSAL	20 A	1	36 VA	36 VA					1	20 A	SW BREAK RM COUNTER RECEPT	38	1
1	39	SW BREAK RM COUNTER RECPT	20 A	1			142 VA	142 VA			1	20 A	SW BREAK RM COUNTER RECEPT	40	1
1	41	SPARE	20 A	1					0 VA	81 VA	1	20 A	SW BREAK RM ICE MACHINE	42	1
	43	EXT. C1LJ - II	225 A	3	1596...	0 VA					--	--	SPACE	44	
	45	--	--	--			330 VA	0 VA			--	--	SPACE	46	
	47	--	--	--					540 VA	0 VA	--	--	SPACE	48	
				Total Load:	2058 VA		2323 VA		1590 VA						
				Total Amps:	18 A		20 A		13 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	540 VA	108.33%	585 VA		
Spare	5431 VA	100.00%	5431 VA	**Total Conn. Load:**	5971 VA
				Total Est. Demand:	6016 VA
				Total Conn.:	17 A
				Total Est. Demand:	17 A

Notes:
1. EXISTING BREAKER TO REMAIN.
2. EXISTING BRANCH CIRCUIT TO BE REMOVED AND LABELED AS SPARE.

Branch Panel: EXT. C1LJ - II

Location:
Supply From: EXT. C1LJ - I
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: EXT.
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

NOTES	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	NOTES
1	1	ATM L2	30 A	1	96 VA	96 VA					1	20 A	GATE 41 LED	2	1
1	3	FAX L2 NODE AREA	30 A	1			30 VA	30 VA			1	20 A	COLUMN RECEPTACLES NORTH	4	1
1	5	PHONE KIOSK L2	20 A	1					49 VA	49 VA	1	20 A	GATE 41 COUNTER	6	1
1	7	FURNITURE GATE 43	20 A	1	96 VA	96 VA					1	20 A	GATE 40 COUNTER	8	1
1	9	FLOOR RECEPTACLES NODE AREA...	20 A	1			30 VA	0 VA			1	20 A	WOMENS RR RECEPTACLES	10	2
1	11	SPARE	20 A	1					49 VA	0 VA	1	20 A	MENS RR RECEPTACLES	12	2
2	13	WOMENS RR HAND DRYER	20 A	1	0 VA	540 VA					1	20 A	ELECTRONIC DRINKING FOUNTAIN	14	1,3
2	15	WOMENS RR HAND DRYER	20 A	1			0 VA	30 VA			1	20 A	SPARE IN RR CHASE J-BOX	16	1
2	17	MENS RR HAND DRYER	20 A	1					0 VA	49 VA	1	20 A	RR & LOCKER SIGNS	18	1
2	19	MENS RR HAND DRYER	20 A	1	0 VA	96 VA					1	20 A	GATE 42 COUNTER	20	1
1	21	CUSTOMER SERVICE COUNTERS	20 A	1			30 VA	30 VA			1	20 A	FURNITURE GATE 43	22	1
1	23	CUSTOMER SERVICE COUNTERS	20 A	1					49 VA	49 VA	1	20 A	FURNITURE GATE 47	24	1
1	25	CUSTOMER SERVICE COUNTERS	20 A	1	96 VA	96 VA					1	20 A	DAMPER MOTORS	26	1
1	27	POWER STATION GATE 42	20 A	1			30 VA	30 VA			1	20 A	SANITATION RECEPTACLE	28	1
1	29	GIDS 40-42	20 A	1					49 VA	49 VA	1	20 A	POWER STATION GATE 43	30	1
1	31	FURNITURE GATE 42	20 A	1	96 VA	96 VA					1	20 A	GIDS 41-43	32	1
1	33	FURNITURE GATE 42	20 A	1			30 VA	30 VA			1	20 A	DDC CONTROL PANEL	34	1
1	35	FURNITURE GATE 42	20 A	1					49 VA	49 VA	1	20 A	MECH RM RECEPTACLES	36	1
1	37	POWER STATION GATE 40	20 A	1	96 VA	96 VA					1	20 A	RM 11246 RECEPTACLES	38	1
1	39	SPARE	20 A	1			0 VA	30 VA			1	20 A	MGR RECEPTACLES	40	1
1	41	SPARE	20 A	1					0 VA	49 VA	1	20 A	ELEC RM RECEPTACLES	42	1
				Total Load:	1596 VA		330 VA		540 VA						
				Total Amps:	14 A		3 A		5 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	540 VA	108.33%	585 VA		
Spare	1926 VA	100.00%	1926 VA	**Total Conn. Load:**	2466 VA
				Total Est. Demand:	2511 VA
				Total Conn.:	7 A
				Total Est. Demand:	7 A

Notes:
1. EXISTING BREAKER TO REMAIN.
2. EXISTING BRANCH CIRCUIT TO BE REMOVED AND LABELED AS SPARE.
3. CONTRACTOR SHALL REMOVE AND INSTALL GFCI BREAKER FOR NEW DRINKING FOUNTAINS.

Branch Panel: C2LJ

Location: JANITOR 118
Supply From: C2TJ
Mounting: Surface
Enclosure: Type 1

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

A.I.C. Rating: 25,000
Mains Type: MCB
Mains Rating: 175 A
MCB Rating: 175 A

Notes:

NOTES	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	NOTES
	1	MEN'S RR CENTER HAND DRYER	20 A	2	1000...	1000...					2	20 A	MEN'S RR CENTER HAND DRYER	2	
	3	--	--	--			1000...	1000...			--	--	--	4	
	5	MEN'S RR CENTER HAND DRYER	20 A	2					1000...	1000...	2	20 A	WOMEN'S RR CENTER HAND DRYER	6	
	7	--	--	--	1000...	1000...					--	--	--	8	
	9	MEN'S RR HAND DRYER	20 A	2			500 VA	1000...			2	20 A	WOMEN'S RR CENTER HAND DRYER	10	
	11	--	--	--					500 VA	1000...	--	--	--	12	
	13	MEN'S RR CENTER HAND DRYER	20 A	2	1000...	500 VA					2	20 A	WOMEN'S RR HAND DRYER	14	
	15	--	--	--			1000...	500 VA			--	--	--	16	
	17	WOMEN'S RR CENTER HAND DRYER	20 A	2					1000...	1000...	2	20 A	WOMEN'S RR CENTER HAND DRYER	18	
	19	--	--	--	1000...	1000...					--	--	--	20	
	21	WOMEN'S RR CENTER HAND DRYER	20 A	2			1000...	1440...			1	20 A	MEN'S CENTER FAUCET SENSORS	22	
	23	--	--	--					1000...	1440...	1	20 A	MEN'S CENTER FAUCET SENSORS	24	
	25	MEN'S FAUCET SENSORS	20 A	1	1440...	720 VA					1	20 A	MEN'S CENTER SINK RECEPTACLES	26	
	27	MEN'S FAUCET SENSOR/RECEPTACLE	20 A	1			1260...	1440...			1	20 A	MEN'S FAUCET SENSORS	28	
	29	WOMEN'S CENTER SINK RECEPTACLES	20 A	1					720 VA	1440...	1	20 A	WOMEN'S CENTER FAUCET SENSORS	30	
	31	FAMILY FAUCET...	20 A	1	1080...	1440...					1	20 A	WOMEN'S CENTER FAUCET SENSORS	32	
	33	WOMEN'S CENTER FAUCET SENSORS	20 A	1			1440...	1080...			1	20 A	WOMEN'S FAUCET...	34	
	35	WOMEN'S CENTER FAUCET SENSORS	20 A	1					1440...	1440...	1	20 A	WOMEN'S CENTER FAUCET SENSORS	36	
	37	MEN'S URINAL SENSORS	20 A	1	1080...	1080...					1	20 A	MEN'S TOILET SENSORS	38	
	39	WOMEN'S TOILET SENSORS	20 A	1			1080...	1080...			1	20 A	WOMEN'S TOILET SENSORS	40	
	41	WOMEN'S TOILET SENSORS/PAPER...	20 A	1					1080...	900 VA	1	20 A	MEN'S TOILET SENSORS/PAPER DISP.	42	1
	43	MEN'S VANITY MIRROR LIGHT	20 A	1	960 VA	0 VA					1	30 A	SPARE	44	
	45	WOMEN'S VANITY MIRROR LIGHT	20 A	1			960 VA	360 VA			1	20 A	MONITORS	46	
	47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48	
	49	SPARE	30 A	3	0 VA	0 VA					1	20 A	SPARE	50	
	51	--	--	--			0 VA	0 VA			1	20 A	SPARE	52	
	53	--	--	--					0 VA	0 VA	1	20 A	SPARE	54	
				Total Load:	15300 VA		16140 VA		14960 VA						
				Total Amps:	128 A		135 A		125 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1920 VA	125.00%	2400 VA		
Motor	20000 VA	101.25%	20250 VA	**Total Conn. Load:**	46400 VA
Receptacle	24480 VA	100.74%	24660 VA	**Total Est. Demand:**	47310 VA
				Total Conn.:	129 A
				Total Est. Demand:	131 A

Notes:

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Project # 02.18022

REGISTRATION

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STATE OF TEXAS
MARK R. PHILLIPPY
101228
PROFESSIONAL ENGINEER

DRAWING HISTORY

№	DATE	DESCRIPTION
	2020.03.20	ISSUE FOR PERMIT
1	2020.03.26	ADDENDUM #1

DEPARTMENT OF AVIATION
RECOMMENDED:
HOUSTON AIRPORT SYSTEM
DIRECTOR OR DESIGN REPRESENTATIVE
HAS TIP # 19-171 - HOU

PROJECT NAME

HAS HOUSTON HOBBY AIRPORT

STATUS ISSUE DATE

2020.03.20

PROJECT LOCATION

7800 AIRPORT BLVD
HOUSTON, TEXAS
77061

PROJECT NUMBER

1004426

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER

E7.01

FILE NAME: C:\Users\jbravo\Documents\02.18022_HOU_Restroom_Renovations_MEP_CENTRAL_R19_JBravo@voltairinc.com.rvt
PLOT STAMP: 3/25/2020 4:41:02 PM