F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK 06-00026-01-MS	MADISON	53	53

FEDERAL AID PROJECT

PANELBOARD - LP
MOUNTING - SURFACE
A.I.C. RATING - 22,000
VOLTAGE 208 / 120
PHASE 3
WIRE 4
AMP BUS -
AMP MCB 100
AMP MLO 100
SPECIAL FEATURES -

LOAD DESCRIPTION	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	BREAKER AMP	POLES	CIRCUIT	3 PH. A	B	C	CIRCUIT	BREAKER POLES	AMP	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	LOAD DESCRIPTION
NW FLOODLIGHT	1650				20*	2	1				2	1	20	912				EXTERIOR ENTRY LIGHTING
	1650						3				4	1	20*	742				EXTERIOR ENTRY LIGHTING
SW FLOODLIGHT	1650				20*	2	5				6	1	20	925				PLAZA LIGHTING SOUTH
	1650						7				8	1	20	925				PLAZA LIGHTING NORTH
SE FLOODLIGHT	1650				20*	2	9				10	1	20*	1030				FOUNTAIN LIGHTING
	1650						11				12	2	20	500				PARKING LOT LIGHTING NORTH
NE FLOODLIGHT	1650				20*	2	13				14			500				
	1650						15				16	1	20	1030				WATER WALL FLOODLIGHTS
PARKING LOT LIGHTING NORTH	1500				20	2	17				18	1	20	1030				WATER WALL FLOODLIGHTS
	1500						19				20	1	20	1030				WATER WALL FLOODLIGHTS
PARKING LOT LIGHTING SOUTH	750				20*	2	21				22	1	20	1030				WATER WALL FLOODLIGHTS
	750						23				24	1	20					SPARE
PARKING LOT LIGHTING SOUTH	750				20*	2	25				26	1	20					SPARE
	750						27				28	1	20					SPARE
SPARE					20	1	29				30	1	20					SPARE
SPARE					20	1	31				32	1	20					SPARE
SPARE					20	1	33				34	1	20					SPARE
SPARE					20	1	35				36	1	20					SPARE
SPARE					20	1	37				38	1	20					SPARE
SPARE					20	1	39				40	1	20					SPARE
CONTACTOR'S C1 AND C2	100				20	1	41				42	1	20					SPARE

NOTES: ALL CIRCUIT BREAKERS SHOWN IN THIS PANEL SCHEDULE SHALL BE PROVIDED WITH THIS PANEL UNDER THE PHASE 2B CONTRACT. THE LOAD IDENTIFIED AT BREAKERS WITH AN ASTERISK (*) BEHIND THE AMPERAGE VALUE SHALL BE CONNECTED TO THIS PANEL AS PART OF THE PHASE 2A CONTRACT.

PANELBOARD - EP
MOUNTING - SURFACE
A.I.C. RATING - 22,000
VOLTAGE 208 / 120
PHASE 3
WIRE 4
AMP BUS 200
AMP MCB
AMP MLO 200
SPECIAL FEATURES -

LOAD DESCRIPTION	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	BREAKER AMP	POLES	CIRCUIT	3 PH. A	B	C	CIRCUIT	BREAKER POLES	AMP	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	LOAD DESCRIPTION
				9384			1				2	1	20				1200	FIRE ALARM CONTROL PANEL
ELEVATOR				9384	100	3	3				4	1	20	1025				GROUND FLOOR LIGHTING - N
				9384			5				6	1	20	1250				STAIR TOWER LIGHTING
ELEVATOR REMOTE MONITOR				1800	15	1	7				8	1	20	1250				STAIR TOWER LIGHTING
ELEVATOR CAR LIGHTING	500				15	1	9				10	1	20		200			INTERCOM POWER SUPPLY
ELEVATOR PIT & RECEPTACLE	250				20	1	11				12	1	20				750	AV APPLIANCE POWER SUPPLY
ELEVATOR SUMP PUMP		200			20	1	13				14	1	20					SPARE
ELEVATOR MACHINE ROOM	200	200			20	1	15				16	1	20	1000				GROUND FLOOR LIGHTING - S
GEN. BATT CHARGER				1000	20	1	17				18	1	20					SPARE
GEN. JACKET HEATER				1000	20	1	19				20	1	20					SPARE
SPARE					20	1	21				22	1	20					SPARE
SPARE					20	1	23				24	1	20					SPARE
SPARE					20	1	25				26	1	20					SPARE
SPARE					20	1	27				28	1	20					SPARE
SPARE					20	1	29				30	1	20					SPARE
SPARE					20	1	31				32	1	20					SPARE
SPARE					20	1	33				34	1	20					SPARE
SPARE					20	1	35				36	1	20					SPARE
SPARE					20	1	37				38	1	20					SPARE
SPARE					20	1	39				40	1	20					SPARE
SPARE					20	1	41				42	1	20					SPARE

NOTES:

PANELBOARD - LRPS
MOUNTING - SURFACE
A.I.C. RATING - 22,000
VOLTAGE 208 / 120
PHASE 3
WIRE 4
AMP BUS 200
AMP MCB
AMP MLO 200
SPECIAL FEATURES -

LOAD DESCRIPTION	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	BREAKER AMP	POLES	CIRCUIT	3 PH. A	B	C	CIRCUIT	BREAKER POLES	AMP	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	LOAD DESCRIPTION
LIGHTING	770				20	1	1				2	1	20		1000			RECEPTACLES
			2000				3				4	1	20			800		EF-2 AND DAMPER
CABINET UNIT HEATER CUH-2			2000		25	3	5				6	1	20					SPARE
			2000				7				8					1100		
CABINET UNIT HEATER CUH-1			2000		25	3	9				10	3	20			1100		UNIT HEATER UH-2
			2000				11				12					1100		
			2000				13				14	1	20		2300			HAND DRYER
FOUNTAIN PUMPS FP-1 & FP-2				3276	40*	3	15				16	1	20		2300			HAND DRYER
				3276			17				18	1	20			400		MOTORIZED DAMPERS
				3276			19				20	1	20		1400			RECEPTACLES
MOTORIZED DAMPER				1000	20*	1	21				22	1	20		2300			HAND DRYER
RECEPTACLES		800			20*	1	23				24	1	20		2300			HAND DRYER
SPARE					20	1	25				26					3333		
SPARE					20	1	27				28	3	40*			3333		UNIT HEATER UH-1
SPARE					20	1	29				30					3333		
PLATFORM RECEPTACLES		600			20*	1	31				32	1	20		1000			RECEPTACLE - FOOD WARMING
LIFE SAFETY LIGHTING	360				20**	1	33				34	1	20		200			RECEPTACLE AT PODIUM
FIRE ALARM CONTROL PANEL				1000	20**	1	35				36	1	20				3000	WATER HEATER WH-1
AV APPLIANCE PWR. SUPPLY				1000	20**	1	37				38	1	20				3000	
SPARE					20	1	39				40	1	20				3000	
FOUNTAIN CONTROL PANEL				500	20*	1	41				42	1	20					SPARE
SPARE					20	1	43				44	1	20					SPARE
SPARE					20	1	45				46	1	20					SPARE
SPARE					20	1	47				48	1	20					SPARE
SPARE					20	1	49				50	1	20					SPARE
SPARE					20	1	51				52	1	20					SPARE
SPARE					20	1	53				54	1	20					SPARE
SPARE					20	1	55				56	1	20					SPARE
SPARE					20	1	57				58	1	20					SPARE
SPARE					20	1	59				60	1	20					SPARE
SPARE					20	1	61				62	1	20					SPARE
SPARE					20	1	63				64	1	20					SPARE
SPARE					20	1	65				66	1	20					SPARE
SPARE					20	1	67				68	1	20					SPARE
SPARE					20	1	69				70	1	20					SPARE
SPARE					20	1	71				72	1	20					SPARE
SPARE					20	1	73				74	1	20					SPARE
SPARE					20	1	75				76	1	20					SPARE
SPARE					20	1	77				78	1	20					SPARE
SPARE					20	1	79				80	1	20					SPARE
SPARE					20	1	81				82	1	20					SPARE
SPARE					20	1	83				84	1	20					SPARE

NOTES: ALL CIRCUIT BREAKER SHOWN IN THIS SCHEDULE SHALL BE PROVIDED UNDER THE PHASE 2B CONTRACT. WHERE A SINGLE ASTERISK APPEARS BY THE AMPERAGE VALUE OF A BREAKER, THE LOAD IDENTIFIED FOR THAT BREAKER SHALL BE CONNECTED TO THIS PANEL AS PART OF THE PHASE 2A CONTRACT. CIRCUIT BREAKERS WITH A DOUBLE ASTERISK (**) BEHIND THE AMPERAGE VALUE SHALL SERVE THE LOAD IDENTIFIED UNDER THE PHASE 2B CONTRACT AND SHALL BE RELABELED TO READ "SPARE" UNDER THE PHASE 2A CONTRACT.

PANELBOARD - LRPN
MOUNTING - SURFACE
A.I.C. RATING - 22,000
VOLTAGE 208 / 120
PHASE 3
WIRE 4
AMP BUS 200
AMP MCB
AMP MLO 200
SPECIAL FEATURES -

LOAD DESCRIPTION	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	BREAKER AMP	POLES	CIRCUIT	3 PH. A	B	C	CIRCUIT	BREAKER POLES	AMP	LOAD (VA) LIGHT	RECEP.	HVAC	MISC.	LOAD DESCRIPTION
EF-1 AND DAMPER			500		20	1	1				2	1	20	500				LIGHTING
			1100				3				4	1	20		800			RECEPTACLES
UNIT HEATER UH-4			1100		20	3	5				6	1	20		800			RECEPTACLES
			1100				7				8	1	20				1500	VENDING MACHINE
			1100				9				10	1	20				1500	VENDING MACHINE
UNIT HEATER UH-3			1100		20	3	11				12	1	20				1500	VENDING MACHINE
			1100				13				14	1	20				1500	VENDING MACHINE
CONDENSING UNIT CU-2			915		20	2	15				16	2	20			1248		CONDENSING UNIT CU-1
			915				17				18					1248		
RECEPTACLES		1200			20	1	19				20					1272		
PHONE RECEPTACLE		400			20	1	21				22	3	20			1272		AIR HANDLING UNIT AHU-1
RECEPTACLE - FOOD WARMING		1000			20	1	23				24					1272		
AIR CONDITIONER AC-1						2	25				26					5666		
							27				28	3	60			5666		AIR HANDLING UNIT AHU-1 (HEAT)
WH-2			3000		30	1	29				30					5666		
SUMP PUMP			200		20	1	31				32	1	20					SPARE
SPARE					20	1	33				34	1	20					SPARE
SPARE					20	1	35				36	1	20					SPARE
SPARE					20	1	37				38	1	20					SPARE
SPARE					20	1	39				40	1	20					SPARE
SPARE					20	1	41				42	1	20					SPARE

NOTES:

EQUIPMENT DATA SCHEDULE

LINE NO.	MARK	EQUIPMENT DESCRIPTION	EQUIPMENT LOCATION	FURN. BY (DIV.)	MOTOR OR EQUIPMENT DATA (1) HP/KW	VOLTS/ PHASE	FLA	INST. BY	CONN. BY	DISCONNECT SWITCH AT EQUIPMENT (2) TYPE	FURN. BY	INST. BY	CONN. BY	STARTER (3) TYPE	FURN. BY	INST. BY	CONN. BY	REMOTE CONTROLS (4) TYPE	FURN. BY	INST. BY	CONN. BY	(5) REMARKS
1	CUH-1	CABINET UNIT HEATER	WOMEN'S RESTROOM	15	6 KW	208/3	17.6	15	16	CB	15	FAC	16	–	–	–	–	–	–	–	–	–
2	CUH-2	CABINET UNIT HEATER	MEN'S RESTROOM	15	6 KW	208/3	17.6	15	16	CB	15	FAC	16	–	–	–	–	–	–	–	–	–
3	UH-1	UNIT HEATER	PUMP/MECH ROOM	15	10 KW	208/3	20.8	15	16	NF	15	FAC	16	–	–	–	–	–	–	–	–	–
4	UH-2	UNIT HEATER	JANITOR	15	3.3 KW	208/3	6.9	15	16	NF	15	FAC	16	–	–	–	–	–	–	–	–	–
5	UH-3	UNIT HEATER	ELEV. MACHINE ROOM	15	3.3 KW	208/3	6.9	15	16	NF	15	FAC	16									
6	UH-4	UNIT HEATER	ELECTRICAL ROOM	15	3.3 KW	208/3	6.9	15	16	NF	15	FAC	16	–	–	–	–	–	–	–	–	–
7																						
8	EF-1	EXHAUST FAN	ELECTRICAL ROOM	15	1/6 HP	120/1	–	15	16	NF	15	FAC	16	–	–	–	–	–	–	–	–	–
9	EF-2	EXHAUST FAN	TOILET ROOMS	15	1/4 HP	120/1	–	15	16	NF	15	FAC	16	–	–	–	–	TC	16	16	16	–
10																						
11	FCU-1	AIR HANDLING UNIT	CONCESSIONS	15	3 HP	208/3	–	15	16	–	–	–	–	PWCP	15	FAC	16	–	–	–	–	–
12	FCU-1	AIR HANDLING UNIT – HEAT	CONCESSIONS	15	17 KW	208/3	–	15	16	NF	16	16	16	–	–	–	–	–	–	–	–	
13																						–
14	AC-1	AIR CONDITIONER	ELEV. MACHINE ROOM	15	–	208/1	.5 MCA	15	16	NF	16	16	16	–	–	–	–	–				–
15																						
16	CU-1	CONDENSING UNIT	AHU-1	15	–	208/3	15 MCA	15	16	NF,WP	16	16	16	–	–	–	–	–	–	–	–	–
17	CU-2	CONDENSING UNIT	AC-1	15	–	208/1	11 MCA	15	16	NF,WP	16	16	16	–	–	–	–	–	–	–	–	–
18																						
19														–	–	–	–	–	–	–	–	–
20	FP-1	FOUNTAIN PUMP	–	15	3 HP	208/3	–	15	16	NF	16	16	16									–
21	FP-2	FOUNTAIN PUMP	–	15	5 HP	208/3	–	15	16	NF	16	16	16									
22																						
23	WH-1	WATER HEATER	–	15	1.5 KW	120/1	–	15	16	S	16	16	16	–	–	–	–	–	–	–	–	
24	WH-2	WATER HEATER	–	15	3 KW	120/1	–	15	16	–	–	–	–	–	–	–	–	–	–	–	–	
25	SP-1	SUMP PUMP	–	15	1/2 HP	120/1	–	15	16	–	–	–	–	PWCP	15	16	16	–	–	–	–	
26																						
27																						
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38																						
39																						
40																						

(1) HORSEPOWER (HP) IS SHOWN UNLESS KILLOWATTS (KW) ARE CALLED OUT.

(2) DISCONNECT TYPES:

CB = CIRCUIT BREAKER
F = FUSED
NF = NON FUSED
S = SWITCH (TOGGLE)
WP = WEATHERPROOF
FAC = FACTORY

(3) STARTER TYPES:

COMB = COMBINATION MAGNETIC FVNR WITH FUSIBLE DISCONNECT SWITCH
FVNR = FULL VOLTAGE NON-REVERSING
MAN = MANUAL STARTER
PWCP = PRE-WIRED CONTROL PANEL WITH INTEGRAL FVNR MAGNETIC STARTER AND DISCONNECT SWITCH
SDS = STAR DELTA STARTER
VSD = VARIABLE SPEED DRIVE
2SZW = 2 SPEED, 2 WINDING MAGNETIC STARTER

(4) REMOTE CONTROL:

BAS = BUILDING AUTOMATION SYSTEM
FAI = FIRE ALARM INTERLOCK
FST = FIRESTAT
INT = INTERLOCK WITH OTHER EQUIPMENT
RAD = REMOTE ALARM DEVICE
RPB = REMOTE START-STOP PUSH BUTTON
SSC = START-STOP CONTACT
TC = TIME CLOCK
TS = THERMOSTAT

(5) REMARKS:

1. EMERGENCY POWER.
2. 2 SPEED, 2 WINDING MOTOR.
3. STAND-BY UNIT.
4. VARIABLE SPEED DRIVE WITH PRE-WIRED STARTER AND INTEGRAL DISCONNECT SWITCH.

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LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE: EQUIPMENT DATA SCHEDULE

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
APRIL 11, 2008

SHEET NO
E7-02

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