PANELBOARD: PP-1A

SERVICE: 480/277V, 3PH, 4W + GND

BUS SIZE: 200A | LOAD: | NOTES: CIRCUIT BREAKER PANEL

MAIN DEVICE: 200A | CONN 98.2 kVA | 1-VERIFY OCP DEVICE SIZE PER MANUFACTURER'S REQ.

DEM. 98.2 kVA

DEM. 118.2 Amps

CKT #	TRIP/ POLE	NOTES	CIRCUIT DESCRIPTION	CONNECTED LOAD (VA) PHASE A		PHASE B		PHASE C		CIRCUIT DESCRIPTION	NOTES	TRIP/ POLE	CKT #
1				3,880	3,880								2
3	30/3		ESCALATOR			3,880	3,880			ESCALATOR		30/3	4
5								3,880	3,880				6
7				4,000	4,000								8
9	30/3	1	OH DOOR- W. RAMP			4,000	4,000			OH DOOR-E. RAMP	1	30/3	10
11								4,000	4,000				12
13				4,000	4,000								14
15	30/3	1	OH DOOR- W. RAMP			4,000	4,000			OH DOOR-E. RAMP	1	30/3	16
17								4,000	4,000				18
19				5,543	1,600					HEAT TRACE-CANOPY		20/1	20
21	30/3		HSE PMP "HP-1"			5,543	900			HEAT TRACE-CANOPY		20/1	22
23								5,543	1,774				24
25				831	1,774					CU-2.2		15/3	26
27	15/3	1	OH DOOR-SEC. XRAY			831	1,774						28
29								831		SPARE		20/1	30
31	20/1		SPARE							SPARE		20/1	32
33	20/1		SPARE							SPARE		20/1	34
35	20/1		SPARE							SPARE		20/1	36
37	20/1		SPARE							SPARE		20/1	38
39	20/1		SPARE							SPARE		20/1	40
41	20/1		SPARE							SPARE		20/1	42
TOTAL CONNECTED LOADS:				18,254	15,254	18,254	14,554	18,254	13,654				

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PANELBOARD: PP-1B

SERVICE: 480/277V, 3PH, 4W + GND

BUS SIZE: 200A | LOAD: | NOTES: CIRCUIT BREAKER PANEL

MAIN DEVICE: 200A | CONN 109.3 kVA | 1-VERIFY OCP DEVICE SIZE PER MANUFACTURER'S REQ.

DEM. 109.3 kVA

DEM. 131.6 Amps

CKT #	TRIP/ POLE	NOTES	CIRCUIT DESCRIPTION	CONNECTED LOAD (VA) PHASE A		PHASE B		PHASE C		CIRCUIT DESCRIPTION	NOTES	TRIP/ POLE	CKT #
1				6,000	6,000								2
3	30/3	1	PASSENGER BRIDGE			6,000	6,000			PASSENGER BRIDGE	1	30/3	4
5			BAG LIFT					6,000	6,000	BAG LIFT			6
7				6,000	6,000								8
9	30/3	1	PASSENGER BRIDGE			6,000	6,000			PASSENGER BRIDGE	1	30/3	10
11			BAG LIFT					6,000	6,000	BAG LIFT			12
13				1,774	1,774								14
15	15/3		CU-1.2 (TUG TNL)			1,774	1,774			CU-1.1 (TUG TNL)		15/3	16
17								1,774	1,774				18
19				831	3,242								20
21	15/3		PUMP "P-14"			831	3,242			CU-1.3 (TUG TNL)		20/3	22
23								831	3,242				24
25				1,774	3,048								26
27	15/3		CU-2.1			1,774	3,048			PUMP "P-15"		20/3	28
29								1,774	3,048				30
31	20/1		SPARE							SPARE		20/1	32
33	20/1		SPARE							SPARE		20/1	34
35	20/1		SPARE							SPARE		20/1	36
37	20/1		SPARE							SPARE		20/1	38
39	20/1		SPARE							SPARE		20/1	40
41	20/1		SPARE							SPARE		20/1	42
TOTAL CONNECTED LOADS:				16,379	20,064	16,379	20,064	16,379	20,064				

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PANELBOARD: PP-3A

SERVICE: 480/277V, 3PH, 4W + GND

BUS SIZE: 400A | LOAD: | NOTES:

MAIN DEVICE: 400A | CONN 148.7 kVA | CIRCUIT BREAKER PANEL

DEM. 148.7 kVA

DEM. 178.9 Amps

CKT #	TRIP/ POLE	CIRCUIT DESCRIPTION	CONNECTED LOAD (VA) PHASE A		PHASE B		PHASE C		CIRCUIT DESCRIPTION	TRIP/ POLE	CKT #
1			5,820	0							2
3	40/3	PUMP "P-1"			5,820	0			PUMP "P-3"	40/3	4
5							5,820	0	STANDBY PUMP		6
7			5,820	2,106							8
9	40/3	PUMP "P-2"			5,820	2,106			PUMP "P-13"	15/3	10
11							5,820	2,106			12
13			5,820	0							14
15	40/3	AHU-1			5,820	0			SPARE	30/3	16
17							5,820	0			18
19			3,048	0							20
21	20/3	REF-1			3,048	0			SPARE	30/3	22
23							3,048	0			24
25			7,482	2,106							26
27	60/3	AHU-3			7,482	2,106			TEF-1	15/3	28
29							7,482	2,106			30
31			3,880	2,106							32
33	25/3	REF-3			3,880	2,106			TEF-2	15/3	34
35							3,880	2,106			36
37			7,482	3,880							38
39	60/3	AHU-4			7,482	3,880			REF-4	25/3	40
41							7,482	3,880			42
TOTAL CONNECTED LOADS:			39,352	10,198	39,352	10,198	39,352	10,198			

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PANELBOARD: PP-3B

SERVICE: 480/277V, 3PH, 4W + GND

BUS SIZE: 400A | LOAD: | NOTES: CIRCUIT BREAKER PANEL

MAIN DEVICE: 400A | CONN 146.8 kVA

DEM. 146.8 kVA

DEM. 176.7 Amps

CKT #	TRIP/ POLE	NOTES	CIRCUIT DESCRIPTION	CONNECTED LOAD (VA) PHASE A		PHASE B		PHASE C		CIRCUIT DESCRIPTION	NOTES	TRIP/ POLE	CKT #
1				0	1,774								2
3	15/3		SPARE			0	1,774			CU-3.1 (ROOF)		15/3	4
5								0	1,774				6
7				5,820	0								8
9	40/3		AHU-5			5,820	0			SPARE		20/3	10
11								5,820	0				12
13				3,048	21,339								14
15	20/3		REF-5			3,048	21,339			AHU-2		110/3	16
17								3,048	21,339				18
19				0	9,422								20
21	20/3		SPARE			0	9,422			REF-2		70/3	22
23								0	9,422				24
25	15/1		FPB-3.1	2,548	859					FPB-3.6		15/1	26
27	15/1		FPB-3.2			1,413	1,413			FPB-3.7		15/1	28
29	15/1		FPB-3.3					1,413	2,548	FPB-3.8		15/1	30
31	15/1		FPB-3.4	1,413	859					FPB-3.9		15/1	32
33	15/1		FPB-3.5			1,413	1,413			FPB-2.1		15/1	34
35	15/1		FPB-3.10					1,413	360	FPB-2.2		15/1	36
37	15/1		FPB-3.11	1,413						SPARE		20/1	38
39	20/1		FPB-3.12			2,548	804			HT TRACE-GUTTER		20/1	40
41	20/1		SPARE						804	HT TRACE-GUTTER		20/1	42
TOTAL CONNECTED LOADS:				14,242	34,253	14,242	36,165	11,694	36,247				

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PANELBOARD: EP-3

SERVICE: 480/277V, 3PH, 4W + GND

BUS SIZE: 200A | LOAD: | NOTES:

MAIN DEVICE: 150A | CONN 65.8 kVA | FUSIBLE SWITCH PANEL

DEM. 65.8 kVA

DEM. 79.2 Amps

CKT #	SW/FUSE POLE	CIRCUIT DESCRIPTION	CONNECTED LOAD (VA) PHASE A		PHASE B		PHASE C		CIRCUIT DESCRIPTION	SW/FUSE POLE	CKT #
1			0	2,106							2
3	30AS/30AF	SPARE			0	2,106			PUMP "P-7"	30AS/15AF	4
5	3P						0	2,106		3P	6
7			0	2,106							8
9	30AS/30AF	PUMP "P-6"			0	2,106			PUMP "P-8"	30AS/15AF	10
11	3P	STANDY PUMP					0	2,106		3P	12
13			0	2,106							14
15	30AS/	SPARE			0	2,106			PUMP "P-9"	30AS/15AF	16
17	3P						0	2,106		3P	18
19			5,820	0							20
21	30AS/30AF	PUMP "P-4"			5,820	0			SPARE	30AS/	22
23	3P						5,820	0		3P	24
25			3,048	942							26
27	30AS/20AF	"EF-1.1"			3,048	942			"SF-2"	30AS/15AF	28
29	3P						3,048	942		3P	30
31			5,820	0							32
33	30AS/30AF	PUMP "P-5"			5,820	0			SPARE	30AS/	34
35	3P						5,820	0		3P	36
37			0	0							38
39	30AS/	SPARE			0	0			SPARE	30AS/	40
41	3P						0	0		3P	42
TOTAL CONNECTED LOADS:			14,688	7,260	14,688	7,260	14,688	7,260			

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ENGINEER CERTIFICATION

I hereby certify that the engineerinhg plans, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Douglas C. Mass

Signature:

Date: 08/16/10 Reg. No.: 21067

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	6.11.10
	CONFORMANCE SET	7.12.10
3	PERMIT REVISIONS	7.23.10
	BUILDING PERMIT	8.16.10
	100% REVIEW	12.17.10
	BID PACKAGE 2A	1.24.11
1	BP2A ADDENDUM 2	2.25.11

DATE ISSUED: 02-25-11

REVIEWED BY: XXX

DRAWN BY: JK

DESIGNED BY: JK

AEP PROJECT NUMBER

213-1882-091

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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER

E404

BID PACKAGE 2A
ADDENDUM 2