

NEW PANEL ABHEQ3
Specification 26 24 16

NEW EMERGENCY EQUIPMENT DISTRIBUTION PANEL ABHEQ3, 480 VOLTS, 3 PH, 4 WIRE, 400 A, COPPER BUS WITH 400 A MAIN CIRCUIT BREAKER LUGS ONLY. BOLT ON CIRCUIT BREAKERS. SURFACE MOUNTED. MIN SHORT CIRCUIT RATING: 22 KAISC, LOCATION: MECHANICAL ROOM AB-148, NEMA

Ckt No.	Room/Equipment #	Ckt breaker rating/ Pole	Connected Load VA			Ckt breaker rating/ Pole	Room/Equip ment #	Ckt No.
			A	B	C			
1	2396	20/3	443.2	2396	443.2	20/3	Chilled Water Circulation Pump (3/4 HP 1.6 FLA)	2
3	VFD-1 (7.5 HP- 11 FLA) to AHU-AB1 (7.5 hp MOTORS) RATED 8.65 FLA	20/3	443.2	2396	443.2	20/3	Chilled Water Circulation Pump (3/4 HP 1.6 FLA)	4
5		20/3	443.2	2396	443.2	20/3	Chilled Water Circulation Pump (3/4 HP 1.6 FLA)	6
7		20/3	443.2	2396	443.2	20/3	Chilled Water Circulation Pump (3/4 HP 1.6 FLA)	8
9	Heat Recovery Circulation Pump (3/4 HP 1.6 FLA)	20/3	37395	443.2	37395	200/3	112.5 kva Transformer 1TX for 120/208V	10
11		20/3	37395	443.2	37395	200/3	112.5 kva Transformer 1TX for 120/208V	12
13		20/3	0	0	0	20/3	SPARE	14
15	SPARE	20/3	0	0	0	20/3	SPARE	16
17		20/3	0	0	0	20/3	SPARE	18
19		20/3	0	0	0	20/3	SPARE	20
21	SPARE	20/3	0	0	0	20/3	SPARE	22
23		20/3	0	0	0	20/3	SPARE	24
25		20/3	0	0	0	20/3	SPARE	26
27	SPARE	20/3	0	0	0	20/3	SPARE	28
29		20/3	0	0	0	20/3	SPARE	30
			40677.4	40677.4	40677.4			
			122032.2					
PHASE A	40.68	KVA	TOTAL LOAD			122.03		
PHASE B	40.68	KVA	TOTAL DEMAND					
PHASE C	40.68	KVA	LOAD					

NEW PANEL ABLEQ3
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NEW EMERGENCY PANEL ABLEQ3, 120/208V, 3 PH, 4 WIRE, 400 A, COPPER BUS WITH 400A MAIN CIRCUIT BREAKER. BOLT ON CIRCUIT BREAKERS. RECESSED MOUNTED. MIN INTERRUPTED RATING: 22 KAISC, LOCATION: ROOM AB-061, NEMA 1 ENCLOSURE

Ckt No.	Room #	Ckt breaker rating/ Pole	Connected Load VA			Ckt breaker rating/ Pole	Room #	Ckt No.
			A	B	C			
1	RECP. ROOM 064 Medivator	20/1	1200			20/1	RECP. ROOM 063 North wall 064 south wall	2
3	RECP. ROOM 063 center island	20/1		400		20/1	RECP. ROOM 063 center island GFI	4
5	Spare	20/1		0		20/1	RECP. ROOM 067	6
7	RECP. ROOM 065 station 1	20/1	800			20/1	RECP. ROOM 065 station 2	8
9	RECP. ROOM 065 station 3	20/1		800		20/1	RECP. ROOM 065 station 4	10
11	temp sink GFI	20/1		600		20/1	TEMP STERRAD LOCATIONS Note 1	12
13					1200	20/1		14
15	Ultrasonic 2	60/3	3500			60/3	Ultrasonic 1	16
17					3500			18
19			4440					20
21	Cart Wash	70/3	3500	4440		60/3	Ultrasonic TEMP Note 1	22
23				3500				24
25	VAV BOXES CONTROLLERS AND STEAM GUN FCV-4	20/1	400				SPARE	26
27	SPARE	20/1				20/1	SPARE	28
29	SPARE	20/1				20/1	SPARE	30
31	SPARE	20/1				20/1	SPARE	32
33	SPARE	20/1				20/1	SPARE	34
35	SPARE	20/1				20/1	SPARE	36
37	SPARE	20/1				20/1	SPARE	38
39	SPARE	20/1				20/1	SPARE	40
41	BLANK	20/1				20/1	BLANK	42
			18540	16740	17540			
			52820					
PHASE A	18.54	KVA	TOTAL LOAD			52.82	KVA	
PHASE B	16.74	KVA	TOTAL DEMAND				KVA	
PHASE C	17.54	KVA	LOAD					

Notes
1) Make Circuit Breaker Spare after Phase 2 is complete

AUTOMATIC TRANSFER SWITCH SPECIFICATION 26 36 23

TAG	LOCATION	VOLTAGE	DESCRIPTION
ATS-1AB1	BUILDING 1 BASEMENT	480V 480V, 3 PHASE, 4 WIRE 4 POLE WITH CLOSED TRANSITION BYPASS/ ISOLATION	AUTOMATIC TRANSFER SWITCH WITH BUILT IN POWER METERING. ASCO 7000 SERIES AUTOMATIC CLOSED-TRANSITION SWITCH WITH OPTIONAL ACCESSORIES 5160 CONNECTIVITY MODULE IN NEMA 1 ENCLOSURE, 7ACTSB3400N5XC OR APPROVED EQUAL.

LOW VOLTAGE TRANSFORMERS

TAG	LOCATION	EQUIPMENT SERVING	VOLTAGE	DESCRIPTION
1T-X	BASEMENT MECHANICAL ROOM	POWER PANELS FROM 480V PANEL AB-HEQ3 TO 120V PANELS AB-LEQ3	112.5KVA - 480V DELTA PRIMARY, 208Y/120VAC SECONDARY, 3 PHASE, 4 WIRE 60 HZ, 5% Impedance Copper Windings	ENERGY EFFICIENT GENERAL SERVICE, DRY TYPE, FLOOR MOUNTED, COPPER WINDINGS, TRANSFORMER SQUARE D EE112.5T3HCU OR APPROVED EQUAL

TAG	EQUIPMENT DEVICES	SPECIFICATION	APPROVED MANUFACTURER
NEW PANELS 120v	PANELBOARD	26 24 16	SQUARE D NQ
NEW PANEL 480V	PANELBOARD	26 24 16	SQUARE D NQ
DS	DISCONNECT SWITCHES	26 29 21	SIEMENS, SQUARE D
EO	ELECTRICAL OUTLETS	26 27 26	LEVITON, PASS & SEYMOUR, HUBBELL
	ELECTRICAL LIGHTING SWITCHES	26 27 26	LEVITON, PASS & SEYMOUR, HUBBELL
D,TD	COMMUNICATION DATA OUTLETS	27 05 11	COMMSCOPE OR EQUAL
EO	ELECTRICAL COVER PLATES	26 27 26	COMMSCOPE, LEVITON, PASS & SEYMOUR, HUBBELL
	FIRE ALARM COMPONENTS	28 31 00	MATCH EXISTING

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

35% SD SUBMITTAL	1/11/2012
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Drawing Title ELECTRICAL POWER PANEL BOARD AND EQUIPMENT SCHEDULES	
PROJECT ENGINEER John Fiwowski	Approved Engineering Chief
SCALE	Approved Service Chief

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Location BASEMENT A-WING	Building Number 1
Date 6/10/2013	Drawn D5
Checked J5	Drawn D5
Drawing Number EP-601	
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53 of 55	

Engineering and Facilities Management Services
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