1-3-24

ADDENDUM #2

to the Drawings and Specifications for the

HVAC UNIT REPLACEMENT

Scenic Regional Library, St. Clair & Warrenton Branches

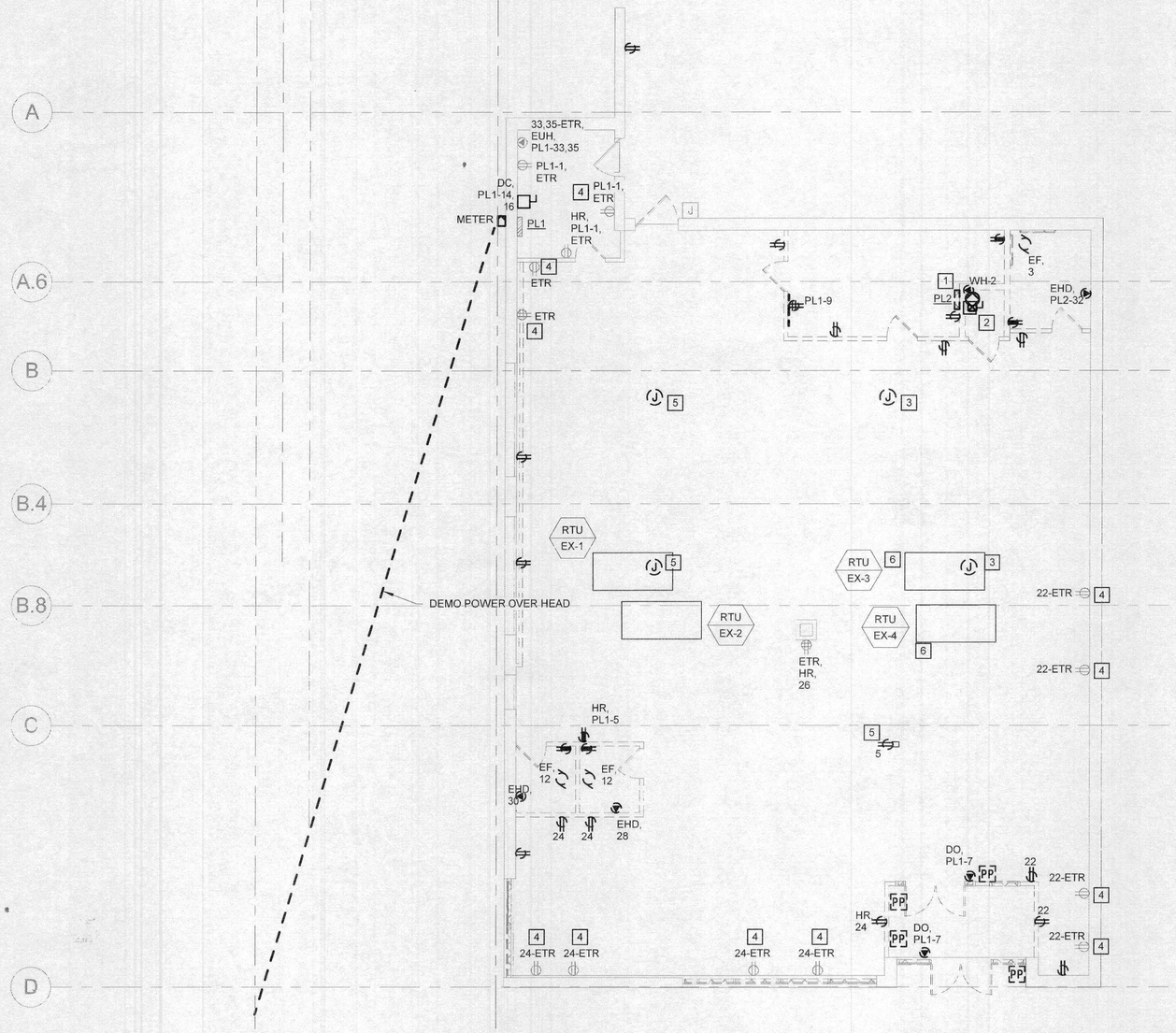
Scope of Work:

St Clair Unit Replacement: Regarding the new St. Clair RTU that has been requested to have dehumidification added to the unit. If the Contractor is not available to provide a new unit with dehumidification that matches the existing electrical supply to the RTU, the Contractor shall include in their bid the cost to pull a new 208 V. 3 phase circuit from the existing electrical panels P1 or P2 shown on the attached reference.

Please note: The drawings attached are from a previous addition and are provided only as a reference. The Contractor is still responsible for making all site visits and inspections

See attached images and revised Bid Form.

END of ADDENDUM



1 ED-301 DEMOLITION PLAN - FIRST FLOOR - ELECTRICAL POWER

1/8" = 1'-0"

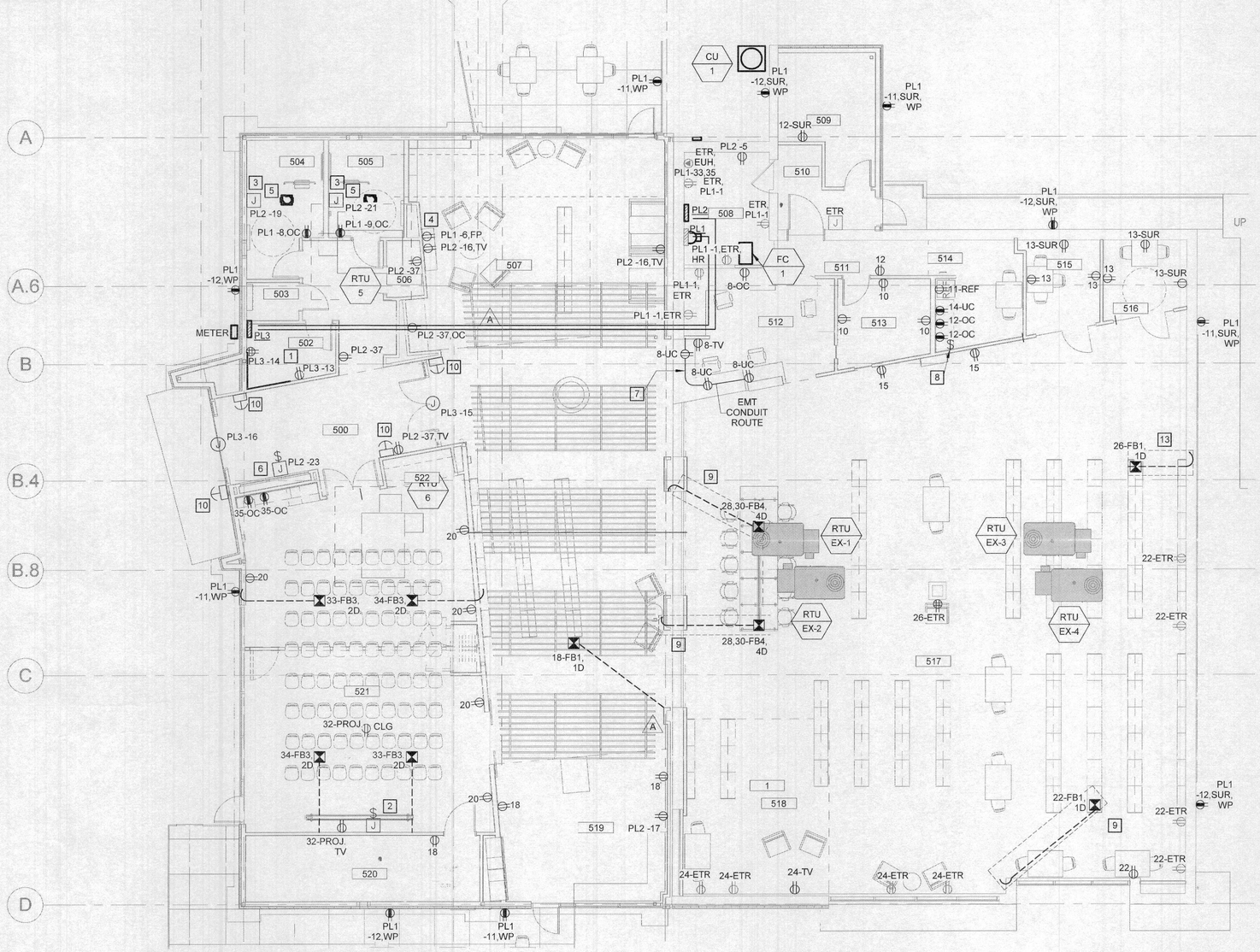
GENERAL NOTES

1 ALL DEVICES, CONDUIT AND WIRE BACK TO PANEL SHALL BE DEMOED UNLESS OTHERWISE NOTED.

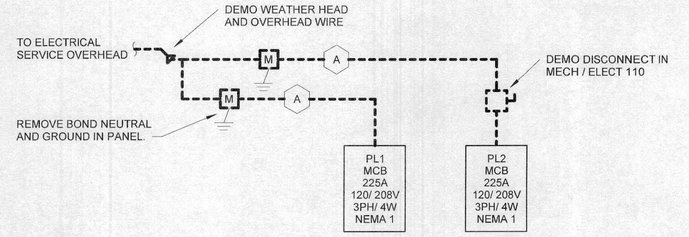
KEYED NOTES

[#]

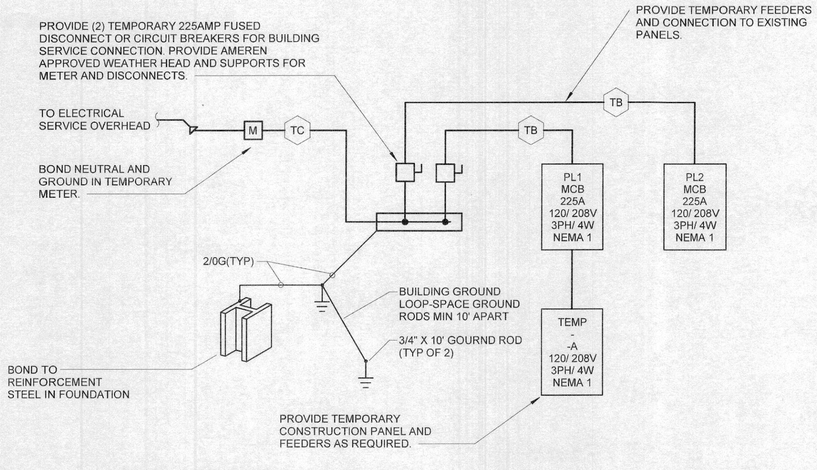
1 DISCONNECT AND REMOVE ELECTRICAL PANEL.
2 DISCONNECT WATER HEATER AND DEMO CONDUIT, CONDUCTORS, AND DISCONNECTS BACK TO PANEL.
3 INTERCEPT EXISTING AHU CIRCUITS AND EXTEND TO NEW PANEL LOCATION. PROVIDE (2) #8, (1) #10 GND, IN 3/4" CONDUIT.
4 REMOVE RECEPTACLE AND FACE PLATE. PROTECT CONDUCTORS FOR NEW DEVICE.
5 REMOVE POWER POLE AND REMOVE CONDUIT AND CONDUCTORS BACK TO ELECTRICAL PANEL.
6 REMOVE CONDUCTORS AND CONDUIT BACK TO PANEL PL2. UNIT TO BE CONNECTED TO NEW PANEL LOCATION.



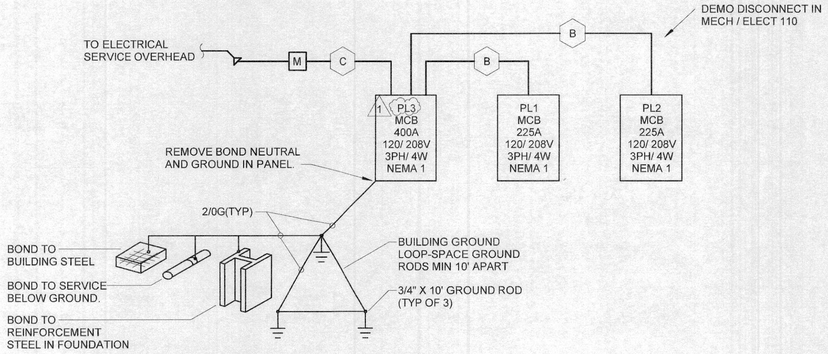
2 EP-301 FLOOR PLAN - FIRST FLOOR - ELECTRICAL POWER
1/8" = 1'-0"



1 EP-301 DEMO ELECTRICAL ONE-LINE
N.T.S.



5 EP-301 TEMPORARY ELECTRICAL ONE-LINE
N.T.S.



4 EP-301 ELECTRICAL ONE-LINE
N.T.S.

GENERAL NOTES

1. FOR ALL FLOOR BOXES,PROVIDE POWER, DATA,AND CONDUIT TO EACH ACCORDINGLY. REFER TO SHEET E-001 FOR DEFINITIONS OF DIFFERENT FLOOR BOXES.CONDUIT TO BE RAN BACK TO NEAREST WALL. AS SHOWN ON DRAWINGS. UP THROUGH WALL AND BACK TO CIRCUITS PANEL.
2. ALL CIRCUITS ARE CIRCUITED TO PANEL PL2 UNLESS NOTED OTHERWISE.

KEYED NOTES

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1. PROVIDE RECEPTACLE ON TOP OF RACK.
2. PROVIDE CONNECTION TO PROJECTOR SCREEN MOTOR. PROVIDE ¾" CONDUIT FROM THE MOTOR CONTROLLER TO THE PROJECTOR SCREEN SWITCH. PROVIDE 2 GANG BACK BOX WITH SINGLE GANG MUD RING FOR THE PROJECTOR SCREEN SWITCH. COORDINATE LOCATION WITH PROJECTOR SCREEN.
3. PROVIDE CONNECTION TO EXHAUST FAN. THE EXHAUST FAN SHALL BE CONTROLLED BY THE LIGHTING CONTROL SWITCH.
4. PROVIDED RECEPTACLE FOR THE FIRE PLACE. COORDINATE THE LOCATION WITH THE FIRE PLACE.
5. PROVIDE BACK BOX FOR HAND DRYER. PROVIDE FINAL CONNECTION TO HAND DRYER. COORDINATE LOCATION WITH G.C.
6. PROVIDE CONNECTION TO ADA DOOR OPENER. PROVIDE A 20AMP TOGGLE DISCONNECT SWITCH, ABOVE THE CEILING, FOR ADA OPERATOR.
7. PROVIDE EMT CONDUIT TO OVER COUNTER RECEPTACLES IN WORK ROOM 512 AS SHOWN ON DRAWINGS. CONDUIT SHALL BE RAN UNDER COUNTER AND UP THROUGH DESK. PROVIDE (2) #12, (1) #12 GND, IN ¾" CONDUIT.
8. PROVIDE SWITCH FOR GARBAGE DISPOSAL.
9. SAW CUT FLOOR TO ALLOW FOR INSTALLATION OF CONDUIT AND FLOOR BOX.
10. CONTRACTOR SHALL PROVIDE J-BOX ABOVE CEILING WITH A TOGGLE SWITCH. THE TOGGLE SWITCH SHALL BE USED AS A DISCONNECT SWITCH FOR THE ADA DOOR OPEN. PROVIDE 3/4" CONDUIT WITH PULL STRING FROM THE ADA DOOR CONTROLLER TO ADA PUSH BUTTON. PROVIDE BACK BOX AT PUSH BUTTON FOR ADA INSTALLER.

FEEDER SCHEDULE

PLAN MARK	NUMBER OF SETS	NUMBER OF HOT	HOT SIZE	NUMBER OF NEUTRAL	NEUTRAL SIZE	NUMBER OF GROUND	GROUND SIZE	CONDUIT SIZE	NOTES
A	1	3	4/0	1	4/0	1	4	2 1/2"	DEMO
B	1	3	4/0	1	4/0	1	4	2 1/2"	
A C	1	3	600KCMIL	1	600KCMIL	-	-	4"	
TB	1	3	4/0	1	4/0	1	4	2 1/2"	
A TC	1	3	600KCMIL	1	600KCMIL	-	-	4"	

1 COPPER CABLE IS SHOWN. EQUAL ALUMINUM CABLE MAY BE USED. CABLE SHALL BE SIZED PER NEC.

ROOM SCHEDULE - 1ST FLOOR

Number	Name
1	Room
500	VESTIBULE
501	CORRIDOR
502	ELEC./IT
503	JAN. CL.
504	WOMEN
505	MEN
506	STORAGE
507	ADULTS
508	MECH / ELEC
509	STORAGE
510	CORRIDOR
511	CORRIDOR
512	WORK ROOM
513	OFFICE
514	BREAK ROOM
515	STUDY
516	STUDY
517	CIRCULATION
518	TEEN AREA
519	CHILDREN AREA
520	STORAGE
521	MEETING ROOM
522	COATS
523	CIRCULATION

MECHANICAL EQUIPMENT ELECTRICAL DATA SCHEDULE

PLAN MARK		DISCRIPTION / LOCATION	HORSEPOWER	APPARENT LOAD	VOLTAGE	PHASE	NEMA ENCL. TYPE	STARTER						DISCONNECT						CONTROL DEVICE		PANEL	FEEDER SIZE / RACEWAY	REMARKS
								FURNISHED BY	INSTALLED BY	TYPE	NEMA TYPE	AUXILIARY CONTACTS	LOCATION	FURNISHED BY	INSTALLED BY	TYPE	SWITCH SIZE	FUSE SIZE	LOCATION	FURNISHED BY	WIRE BY			
CU	1	CONDENSING UNIT		3931 VA	208 V	1	3R	EM	EM	-	-	-	-	EC	EC	NF	30A	-	ON WALL	MC	MC	MAIN	(2)#8,(1)#10G, 3/4" C.	
FC	1	FAN COIL UNIT	-	500 VA	120 V	1	1	EM	EM	-	-	-	-	EC	EC	TOGGLE	20	-	ON WALL	MC	MC	MAIN	(2)#12,(1)#12G, 3/4" C.	
RTU	5	ROOF TOP UNIT	-	11484 VA	208 V	3	NEMA 3R	MC	MC	-	-	-	IN UNIT	MC	MC	NF	-	NF	IN UNIT	MC	MC	PL3	(3)#8,(1)#10G, 1"C.	ON ROOF
RTU	6	ROOF TOP UNIT	-	13680 VA	208 V	3	NEMA 3R	MC	MC	-	-	-	IN UNIT	MC	MC	NF	-	NF	IN UNIT	MC	MC	PL3	(3)#8,(1)#10G, 1"C.	ON ROOF
RTU	EX-3	ROOF TOP UNIT		5575 VA	208 V																		(2)#8,(1)#10G, 3/4" C.	CONNECT EXISTING UNIT TO NEW PANEL
RTU	EX-4	ROOF TOP UNIT		5575 VA	208 V																		(2)#8,(1)#10G, 3/4" C.	CONNECT EXISTING UNIT TO NEW PANEL

LEGEND

EC - ELECTRICAL CONTRACTOR
EM - EQUIPMENT MANUFACTURER
FVNR - FULL VOLTAGE NON REVERSING
MC - MECHANICAL CONTRACTOR
NF - NON FUSED
NI - NON INTERRUPTING
NO/NC - NORMALLY OPEN/NORMALLY CLOSED
TS - TOGGLE SWITCH

NOTE: PROVIDE NEW PANEL SCHEDULES FOR PANELS PL1, PL2

PANEL: PL1 — OC DEVICE TYPE: BREAKER — ENCLOSURE: — MAINS: — CONTINOUS:
LOCATION: MECH / ELEC 110 — DEVICE FAMILY: BOLT ON — MOUNTING: — WIRING: 3 PHASE 4 WIRE — BUS SC RATING:
FED FROM: PL3 — VOLTAGE: 120/208 Wye — FAULT CURRENT:

CKT	DESCRIPTION	NOTES	OC	P	A		B		C		P	OC	NOTES	DESCRIPTION	CKT
1	REC ELECTRICAL ROOM 110		20 A	1	900 VA	2787 VA					2	40 A		rtu-ex-2	2
3	rtu-ex-1		40 A	2			2788 VA	2787 VA			--	--		--	4
5	--		--	--					2788 VA	180 VA	1	20 A		REC STUDY 107	6
7						180 VA					1	20 A		REC WOMEN 105	8
9	REC MEN 109		20 A	1			180 VA								10
11	REC BUILDING POWER		20 A	1					900 VA	900 VA	1	20 A		REC BUILDING POWER	12
13	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	14
15	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	16
17	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	18
19	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	20
21	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	22
23	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	24
25	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	26
27	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	32
33	euh-ex		60 A	2			0 VA	0 VA			1	20 A		Spare	34
35	--		--	--					0 VA	0 VA	1	20 A		Spare	36
37	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	38
39	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	40
41	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	42
					3867 VA		5755 VA		4768 VA						
					32 A		49 A		41 A						

TOTAL CONNECTED LOAD: 14389 VA — TOTAL CONNECTED AMPS: 40 A
TOTAL DEMAND LOAD: 14389 VA — TOTAL DEMAND AMPS: 40 A

NOTE: PROVIDE NEW PANEL PL2

PANEL: PL2 — OC DEVICE TYPE: BREAKER — ENCLOSURE: NEMA 1 — MAINS: MLO — CONTINOUS: 225 A
LOCATION: MECH / ELEC 110 — DEVICE FAMILY: BOLT ON — MOUNTING: SURFACE — WIRING: 3 PHASE 4 WIRE — BUS SC RATING: NEXT ABOVE CALC
FED FROM: PL3 — VOLTAGE: 120/208 Wye — FAULT CURRENT: 11680 AIC

CKT	DESCRIPTION	NOTES	OC	P	A		B		C		P	OC	NOTES	DESCRIPTION	CKT
1	LTS CIRCULATION 118		20 A	1	800 VA	800 VA					1	20 A		LTS CIRCULATION 118	2
3	LTS CIRCULATION 118 NORTH WALL		20 A	1			1620 VA	759 VA			1	20 A		LTS PENDANT 118/ VESTIBULE	4
5	REC MECH / ELEC 110		20 A	1					180 VA	676 VA	1	20 A		LTS ADMIN ROOMS	6
7	EMERGENCY EGRESS LIGHTING		20 A	1	55 VA	900 VA					1	20 A		REC WORK ROOM 117	8
9	LTS MEETING ROOM 100		20 A	1			1241 VA	540 VA			1	20 A		REC ROOM 113	10
11	REC BREAK ROOM 123 REFRIGERATOR		20 A	1					180 VA	720 VA	1	20 A		REC BREAK ROOM 123	12
13	REC STUDY 125 & 126		20 A	1	1080 VA	180 VA					1	20 A		REC BREAK MICROWAVE	14
15	REC CIRCULATION 118 FLOOR BOXES		20 A	1			360 VA	360 VA			1	20 A		REC STUDY 108 FLOOR BOXES	16
17	REC		20 A	1					180 VA	720 VA	1	20 A		REC STORAGE 119/ STUDY 108	18
19	GEN WOMEN 105		20 A	1	0 VA	900 VA					1	20 A		REC MEETING ROOM 100	20
21	GEN		20 A	1			0 VA	1080 VA			1	20 A		REC CIRCULATION 118 FLOOR BOXES	22
23	GEN		20 A	1					0 VA	900 VA	1	20 A		REC CIRCULATION 118	24
25	rtu-ex-3		40 A	2	2788 VA	540 VA					1	20 A		REC CIRCULATION 118 FLOOR BOXES	26
27	--		--	--			2788 VA	360 VA			2	20 A		REC CORRIDOR 116 FLOOR BOXES	28
29	rtu-ex-4		40 A	2					2788 VA	360 VA	--	--		--	30
31	--		--	--	2788 VA	360 VA					1	20 A		REC MEETING ROOM 100	32
33	REC MEETING ROOM 100 FLOOR BOXES		20 A	1			720 VA	720 VA			1	20 A		REC MEETING ROOM 100	34
35	REC MEETING ROOM 100 FLOOR BOXES		20 A	1					360 VA	228 VA	1	20 A		LTS BUILDING	36
37	REC VESTIBULE 103		20 A	1	720 VA	0 VA					1	20 A		LTS SITE	38
39	Other		20 A	2			1966 VA	500 VA			1	20 A		FC-1	40
41	--		--	--					1966 VA	0 VA	1	20 A		Spare	42
					11910 VA		13014 VA		9257 VA						
					103 A		112 A		77 A						

TOTAL CONNECTED LOAD: 34181 VA — TOTAL CONNECTED AMPS: 95 A
TOTAL DEMAND LOAD: 32971 VA — TOTAL DEMAND AMPS: 92 A

NOTE: PROVIDE NEW PANEL PL3

PANEL: PL3 — OC DEVICE TYPE: BREAKER — ENCLOSURE: NEMA 1 — MAINS: 400 AMP — CONTINOUS: 400 A
LOCATION: ELEC./IT 104 — DEVICE FAMILY: BOLT ON — MOUNTING: SURFACE — WIRING: 3 PHASE 4 WIRE — BUS SC RATING: NEXT ABOVE CALC
FED FROM: — VOLTAGE: 120/208 Wye — FAULT CURRENT: 25672 AIC

CKT	DESCRIPTION	NOTES	OC	P	A		B		C		P	OC	NOTES	DESCRIPTION	CKT
1	PL1		225 A	3	3867 VA	11910 VA					3	20 A		PL2	2
3	--		--	--			5755 VA	13014 VA			--	--		--	4
5	--		--	--					4768 VA	9257 VA	--	--		--	6
7	RTU-5		40 A	3	3828 VA	4560 VA					3	45 A		RTU-6	8
9	--		--	--			3828 VA	4560 VA			--	--		--	10
11	--		--	--					3828 VA	4560 VA	--	--		--	12
13	REC ELEC./IT 104		20 A	1	180 VA	360 VA					1	20 A		REC	14
15	ADA DOOR		20 A	1			1200 VA	1200 VA			1	20 A		ADA DOOR	16
17	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	18
19	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	20
21	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	22
23	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	24
25	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	26
27	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	32
33	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	34
35	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	36
37	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	38
39	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	40
41	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	42
					24705 VA		29556 VA		22413 VA						
					209 A		249 A		187 A						

TOTAL CONNECTED LOAD: 76674 VA — TOTAL CONNECTED AMPS: 213 A
TOTAL DEMAND LOAD: 73574 VA — TOTAL DEMAND AMPS: 204 A