

NEW POWER PANELS

ST. TAMMANY PARISH ADMIN. COMPLEX
520 OLD SPANISH TRAIL
SLIDELL, LOUISIANA

RENOVATE OFFICE BUILDING

DAMMON ENGINEERING, INC.

1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE: AS NOTED

FILE: _____

JOB NO. _____

DATE: 1-8-07

SHEET _____

OF **E10P**

PANEL: PL-5
LOCATION: MECHANICAL ROOM 5TH FLOOR
FEEDER SOURCE: MDP 1 CKT 5

VOLTAGE: 277/440V, 200A 3PH, 4W
NEW SURFACE MOUNT PNL
SQUARE D TYPE OO LOAD CENTER W/MAIN BRK

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	501	20	1800	1	20	501, 507	2
3	HALL (MST)	20	1400	1	20	501, 508	4
5	508	20	1200	1	20	NIGHT LIGHTS	6
7	510	20	1200	1	20	510, 506	8
9	510, 512	20	1800	1	20	509, 505, 502	10
11	503, 504	20	1200	1	20	EMERGENCY LIGHTS	12
13	XRRM 30VA TO PP-5 440/-120/240V	50	20000	3	100	FCP-5 480V 3 PH	14
15	HALL BATH VENTS	20	600	1	20	511	16
17	NIGHT LIGHTS	20	1	1	20	SPACE	18
19	SPACE	20	1	1	20	SPACE	20
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=74600	Bm=23800	Cm=72450		

PANEL: PP-5
LOCATION: MECHANICAL ROOM 5TH FLOOR
FEEDER SOURCE: PL 5 CKT 9

VOLTAGE: 240/120V, 125A 1Ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR, MLO
SQUARE D TYPE OO LOAD CENTER

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	SPACE	20	1	1	20	CLERK OF COURT RCPT.	2
3	C.O.C. COMP. LAB	20	1440	1	20	CLERK OF COURT RCPT.	4
5	CLERK OF COURT RCPT.	20	1280	1	20	C.O.C. BREAK ROOM REC	6
7	BATHROOM RECEPICLES	20	1400	1	20	C.O.C. / CORRIDOR RCPT.	8
9	CORRIDOR RCPT.	20	1400	1	20	C.O.C. WARRAGE LC. RCPT.	10
11	MECHANICAL RECEPICLES	20	1400	1	20	CORRIDOR RCPT.	12
13	COUNCIL OFFICE RECEPICLES	20	1400	1	20	UTILITY COLM ROOM 510	14
15	COUNCIL RECEPICLES	20	1400	1	20	UTILITY COLM ROOM 501	16
17	C.O.C. SECRETARY POOL RCPT.	20	1400	1	20	C.O.C. BREAK ROOM RCPT.	18
19	CORRIDOR RCPT.	20	1400	1	20	BATHROOM VENTS	20
21	WATER HEATER	20	1400	1	20	UTILITY COLM ROOM 508	22
23	UTILITY COLUMN RM 510	20	1	20	UTILITY COLM RM 510	24	
25	UTILITY COLUMN RM 501	20	1	20	UTILITY COLUMN RM 501	26	
27	UTILITY COLUMN RM 501	20	1	20	UTILITY COLUMN RM 508	28	
29	UTILITY COLUMN RM 508	20	1	20	UTILITY COLUMN RM 510	30	
31	C.O.C. BREAK ROOM REF	20	1	20	HALL RECEPICLES	32	
33	RECEPICLES RM 510	20	1	20	RECEPICLES RM 508	34	
35	SPACE	20	1	20	SPACE	36	
37	SPACE	20	1	20	SPACE	38	
39	SPACE	20	1	20	SPACE	40	
41	SPACE	20	1	20	SPACE	42	
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=13580	Bm=12240	Cm=9933		

PANEL: FCP-5
LOCATION: MECHANICAL ROOM 5TH FLOOR
FEEDER SOURCE: PL 5 CKT 10

VOLTAGE: 277/440V, 200A 3PH, 4W
EXISTING SURFACE MOUNT WITH PNL

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	FCP-1	30	2,550	1	30	FCP-2	2
3	FCP-3	30	2,520	1	30	FCP-4	4
5	FCP-5	30	3,484	1	30	FCP-6	6
7	FCP-7	30	1,740	1	30	FCP-8	8
9	FCP-9	30	1,912	1	30	FCP-10	10
11	FCP-11	30	2,036	1	30	FCP-12	12
13	FCP-13	30	2,036	1	30	FCP-14	14
15	FCP-15	30	1,282	1	30	FCP-16	16
17	SPACE	30	1	30	SPACE	18	
19	SPACE	30	1	30	SPACE	20	
21	SPACE	30	1	30	SPACE	22	
23	SPACE	30	1	30	SPACE	24	
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=14,354	Bm=12,189	Cm=9,093		

PANEL: PL-4
LOCATION: MECHANICAL ROOM 4TH FLOOR
FEEDER SOURCE: MDP 1 CKT 4

VOLTAGE: 277/440V, 200A 3PH, 4W
NEW SURFACE MOUNT PNL
SQUARE D TYPE OO LOAD CENTER W/MAIN BRK

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	LIGHTS RM 401	20	2200	1	20	MENS REST ROOM & RM 405 409	2
3	WOMENS REST ROOM & RM402	20	1200	1	20	NIGHTLIGHT	4
5	WATER HEATER	20	3000	1	20	#400 HALL LIGHTS	6
7	EMERGENCY EXT LIGHTS	20	400	1	20	LIGHTS RM 411,412,413	8
9	XRRM 30VA TO PP-4 440/-120/240V	50	20000	3	100	FCP-4 480 V 3 PHASE	10
11	LIGHTS RM 414	20	1800	1	20	LIGHTS RM 406,407	12
13	LIGHTS RM 416	20	1800	1	20	LIGHTS RM 407	14
15	LIGHTS RM 417	20	800	1	20	LIGHTS RM 401	16
17	SPACE	20	1	1	20	SPACE	18
19	SPACE	20	1	1	20	SPACE	20
21	SPACE	20	1	1	20	SPACE	22
23	SPACE	20	1	1	20	SPACE	24
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=55400	Bm=55900	Cm=55400		

PANEL: PP-4
LOCATION: MECHANICAL ROOM 4TH FLOOR
FEEDER SOURCE: PL-4 CKT 9

VOLTAGE: 240/120V, 125A 1Ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR, MLO
SQUARE D TYPE OO LOAD CENTER

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	RCPT. RM 401	20	1800	1	20	RCPT. ROOM 402	2
3	RCPT. RM 404,409,410	20	1820	1	20	BATH ROOM VENTILATORS	4
5	RCPT. RM 412,413,414	20	2000	1	20	RCPT. ROOM 414, 415	6
7	RCPT. RM 406,407	20	1800	1	20	RCPT. ROOM 409	8
9	RCPT. RM 416 417	20	1800	1	20	RCPT. ROOM 403,404,405,408, 410	10
11	RCPT. RM 402	20	1800	1	20	RCPT. ROOM 405	12
13	UTILITY COLUMN RM 401	20	1200	1	20	UTILITY COLUMN RM 401	14
15	UTILITY COLUMN RM 416	20	1800	1	20	UTILITY COLUMN RM 406	16
17	UTILITY COLUMN RM 419	20	1800	1	20	UTILITY COLUMN RM 406	18
19	UTILITY COLUMN RM 412	20	1800	1	20	UTILITY COLUMN RM 406	20
21	RCPT. ROOM 405	20	1800	1	20	UTILITY COLUMN RM 414	22
23	RCPT. ROOM 403	20	1000	1	20	RCPT. ROOM 409	24
25	RCPT. ROOM 403	20	1000	1	20	RCPT. ROOM 416	26
27	SPACE	20	1	20	SPACE	28	
29	SPACE	20	1	20	SPACE	30	
31	SPACE	20	1	20	SPACE	32	
33	SPACE	20	1	20	SPACE	34	
35	SPACE	20	1	20	SPACE	36	
37	SPACE	20	1	20	SPACE	38	
39	SPACE	20	1	20	SPACE	40	
41	SPACE	20	1	20	SPACE	42	
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=13,033	Bm=9,813	Cm=9,813		

PANEL: FCP-4
LOCATION: MECHANICAL ROOM 4TH FLOOR
FEEDER SOURCE: PL 4 CKT 10

VOLTAGE: 277/440V, 200A 3PH, 4W
EXISTING SURFACE MOUNT WITH PNL
SQUARE D TYPE OO LOAD CENTER

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	FCP-1	30	1,650	1	30	FCP-2	2
3	FCP-3	30	2,608	1	30	FCP-4	4
5	FCP-5	30	3,085	1	30	FCP-6	6
7	FCP-7	30	2,480	1	30	FCP-8	8
9	FCP-9	30	2,465	1	30	FCP-10	10
11	FCP-11	30	2,245	1	30	FCP-12	12
13	FCP-13	30	2,245	1	30	FCP-14	14
15	FCP-15	30	1,425	1	30	FCP-16	16
17	FCP-17	30	1,425	1	30	SPACE	18
19	SPACE	30	1	30	SPACE	20	
21	SPACE	30	1	30	SPACE	22	
23	SPACE	30	1	30	SPACE	24	
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=14,154	Bm=13,033	Cm=9,813		

PANEL: PL-3
LOCATION: MECHANICAL ROOM 3RD FLOOR
FEEDER SOURCE: MDP 1 CKT 3

VOLTAGE: 277/440V, 200A 3PH, 4W
NEW SURFACE MOUNT PNL
SQUARE D TYPE OO LOAD CENTER W/MAIN BRK

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	ROOMS 301 & 302	20	1200	1	20	ROOM 319 & 324	2
3	ROOMS 303 & 304	20	1000	1	20	HALLWAY 315	4
5	WATER HEATER	20	1200	1	20	EAST HALL	6
7	EMERGENCY LIGHTS	20	400	1	20	WEST HALL	8
9	XRRM 30VA TO PP-3 440/-120/240V	50	20000	3	20	SOUTHWEST ELEVATOR	10
11	HALLWAY 318	20	1000	1	20	ROOMS 308 & 317	12
13	ROOMS 305 & 307	20	1200	1	20	ROOMS 325 & 326	14
15	ROOMS 322 & 323	20	1800	1	20	ROOM 308 MECH.	16
17	ROOM 313 DRUG COURT	20	1400	1	20	ROOMS 313 & 320	18
19	ROOMS 310, 311, & 312	20	1000	1	20	ROOMS 316 & 321	20
21	NIGHT LIGHT	20	1800	1	20	SPACE	22
23	SPACE	20	1	1	20	SPACE	24
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=51200	Bm=50000	Cm=50,000		

PANEL: PP-3
LOCATION: MECHANICAL ROOM 3RD FLOOR
FEEDER SOURCE: PL-3 CKT 9

VOLTAGE: 240/120V, 125A 1Ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR, MLO
SQUARE D TYPE OO LOAD CENTER

QTY	LOAD DESCRIPTION	BREAKER	LOAD (VA)	POLE	BREAKER	LOAD DESCRIPTION	QTY
1	RCPT. RM 301,302	20	1800	1	20	RCPT. RM 301,309,317	2
3	RCPT. RM 305,309,317	20	1800	1	20	RCPT. RM 302,309	4
5	RCPT. RM 304,319	20	1800	1	20	RCPT. RM 318,324	6
7	RCPT. RM 324,325	20	1800	1	20	RCPT. RM 505,326	8
9	UTILITY COLUMN RM 301	20	1200	1	20	RCPT. RM 320,322,323	10
11	RCPT. RM 321,323	20	1800	1	20	RCPT. RM 316	12
13	UTILITY COLUMN RM 304	20	1200	1	20	RCPT. RM 313	14
15	RCPT. RM 307,308	20	1800	1	20	RCPT. RM 307	16
17	UTILITY COLUMN RM 319	20	1200	1	20	UTILITY COLUMN RM 325	18
19	UTILITY COLUMN RM 323	20	1200	1	20	UTILITY COLUMN RM 325	20
21	UTILITY COLUMN RM 312	20	1200	1	20	RCPT. RM 320,314	22
23	RCPT. RM 312,316,321	20	1800	1	20	RCPT. RM 303	24
25	RCPT. RM 300,301	20	1800	1	20	RCPT. RM 305	26
27	SPACE	20	1	20	SPACE	28	
29	SPACE	20	1	20	SPACE	30	
31	SPACE	20	1	20	SPACE	32	
33	SPACE	20	1	20	SPACE	34	
35	SPACE	20	1	20	SPACE	36	
37	SPACE	20	1	20	SPACE	38	
39	SPACE	20	1	20	SPACE	40	
41	SPACE	20	1	20	SPACE	42	
			TOTAL CONNECTED LOAD (VA)			GROUND BUS (G)	
			Am=17,752	Bm=11,068	Cm=12,424		