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 QO LOAD CENTER W/MAIN BRKR.

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	ROOMS 301 & 302 LIGHTS	20	1	1200	800	1	20	ROOM 319 & 324 LIGHTS	2
3	ROOMS 303 & 304 LIGHTS	20	1	1000	400	1	20	HALLWAY/ ROOM 315 LIGHTS	4
5	SPARE	20	1	–	1200	1	20	EAST HALL LIGHTS	6
7	EMERGENCY LIGHTS	20	1	400	1000	1	20	WEST HALL LIGHTS	8
9	XFRMR 37.5 KVA TO PP-3 277/-240V/120V	150	1	37500	10000	3	30	AHU-3 10HP	10
9A	SPACE								
11	HALLWAY/ ROOM 318 LIGHTS	20	1	1000					
13	ROOMS 305 & 307 LIGHTS	20	1	1200	1000	1	20	ROOMS 309 & 317 LIGHTS	12
15	ROOMS 322 & 323 LIGHTS	20	1	1600	1600	1	20	ROOMS 325 & 326 LIGHTS	14
17	ROOM 313 DRUG COURT LIGHTS	20	1	1400	200	1	20	MECH. RM. LIGHTS	16
19	ROOMS 310, 311, & 312 LTS.	20	1	1000	200	1	20	ROOM 320 LIGHTS	18
21	NIGHT LIGHTS	20	1	1600	800	1	20	ROOMS 316 & 321 LIGHTS	20
23	SPARE	20	1	–	4000	1	30	VAV/HTR #3-1 ROOM 304	22
25	SPARE	20	1	–	5500	1	30	VAV/HTR #3-2 ROOM 319	24
27	**VAV/ HTR #3-8 W. CORRIDOR**	20	1	1500	4000	1	30	**VAV/ HTR #3-3 ROOM 324**	26
29	**VAV/ HTR #3-9 ROOM 315**	40	1	5000	5500	1	30	VAV/HTR #3-4 ROOM 325	28
31	VAV/ HTR #3-5 ROOM 326	20	1	4000	8000	1	40	**VAV/ HTR #3-6 ROOM 322**	30
33	**VAV/ HTR #3-7 ROOM 323**	20	1	3000	3000	1	30	**VAV/ HTR #3-10 ROOM 313**	32
35	VAV/ HTR #3-11 ROOM 307	40	1	8000	3000	1	30	**VAV/ HTR #3-12 ROOM 309**	34
37	VAV/ HTR #3-13 E. CORR.	20	1	3000	6000	1	30	VAV/ HTR #3-14 ROOM 303	36
39	SPACE							SPACE	38
41	SPACE							SPACE	40
43	SPACE							SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=40833 Bø=50350 Cø=43350

GROUND BUS
GROUND WIRE (G)

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 QO LOAD CENTER W/MAIN BRKR.

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	ROOM 401 LIGHTS	20	1	2200	1800	1	20	ROOM 405, 409 LIGHTS	2
3	RESTROOMS LIGHTS	20	1	1200	1600	1	20	NIGHTLIGHTS	4
5	SPARE	20	1	–	1400	1	20	CORRIDOR LIGHTS	6
7	EMERGENCY/ EXIT LIGHTS	20	1	400	1000	1	20	ROOMS 411, 412, 413 LIGHTS	8
9	XFRMR 37.5 KVA TO PP-4 277/-240V/120V	150	1	37500	10000	3	30	AHU-4 10 TON	10
9A	SPACE								
11	ROOM 413, 414 LIGHTS	20	1	1600					
13	ROOM 416 LIGHTS	20	1	1600	1000	1	20	ROOMS 406, 407 LIGHTS	12
15	ROOM 417 LIGHTS	20	1	800	600	1	20	ROOM 402 LIGHTS	14
17	SPARE	20	1	–	1200	1	20	ROOM 401 LIGHTS	16
19	VAV/ HTR #4-5 ROOM 417	40	1	5500	–	1	20	SPARE	18
21	VAV/ HTR #4-6 ROOM 406	40	1	5500	8000	1	40	VAV/HTR #4-1 ROOM 401	20
23	VAV/ HTR #4-7 ROOM 407	20	1	3500	5500	1	30	VAV/HTR #4-2 ROOM 412	22
25	VAV/ HTR #4-8 ROOM 410	20	1	2000	8000	1	40	**VAV/ HTR #4-3 ROOM 414**	24
27	VAV/ HTR #4-10 RM 404	40	1	8000	5500	1	30	VAV/HTR #4-4 ROOM 416	26
29	SPACE				5000	1	20	VAV/ HTR #4-9 ROOM 405	28
31	SPACE				1000	1	20	VAV/ HTR #4-11 ROOM 402	30
33	SPACE							SPACE	32
35	SPACE							SPACE	34
37	SPACE							SPACE	36
39	SPACE							SPACE	38
41	SPACE							SPACE	40
								SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=25533 Bø=43950 Cø=31850

GROUND BUS
GROUND WIRE (G)

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 QO LOAD CENTER W/MAIN BRKR.

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	ROOM 501 LIGHTS	20	1	1600	1200	1	20	ROOMS 501, 507 LIGHTS	2
3	WEST HALL LIGHTS	20	1	1400	1400	1	20	ROOMS 501, 508 LIGHTS	4
5	ROOM 508 LIGHTS	20	1	1200	1400	1	20	NIGHTLIGHTS	6
7	ROOM 510 LIGHTS	20	1	1200	1600	1	20	ROOMS 510, 506 LIGHTS	8
9	ROOMS 510, 512 LIGHTS	20	1	1600	1400	1	20	509, 505, 502 LIGHTS	10
11	RESTROOMS LIGHTS	20	1	1200	250	1	20	EMERGENCY/ EXIT LIGHTS	12
13	XFRMR 37.5 KVA TO PP-5 277/-240V/120V	150	1	37500	10000	3	30	AHU-5 10HP	14
13A	SPACE								
15	ROOM 511 LIGHTS	20	1	400					
17	SPARE	20	1	–	8000	1	40	VAV/HTR #5-1 ROOM 501	16
19	SPARE	20	1	–	5500	1	30	VAV/HTR #5-2 ROOM 501	18
21	VAV/ HTR #5-8 ROOM 510	30	1	4000	5500	1	30	VAV/HTR #5-3 ROOM 508	20
23	VAV/ HTR #5-9 E. CORR.	20	1	3000	5500	1	30	VAV/HTR #5-4 ROOM 508	22
25	VAV/ HTR #5-10 ROOM 504	30	1	5500	3000	1	20	VAV/HTR #5-5 ROOM 511	24
27	**VAV/ HTR #5-11 ROOM 502**	30	1	3000	5500	1	30	VAV/HTR #5-6 ROOM 510	26
29	SPACE				8000	1	40	VAV/HTR #5-7 ROOM 510	28
31	SPACE				5500	1	30	VAV/HTR #5-12 ROOM 501	30
33	SPACE							SPACE	32
35	SPACE							SPACE	34
37	SPACE							SPACE	36
39	SPACE							SPACE	38
41	SPACE							SPACE	40
								SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=48850 Bø=47500 Cø=24783

GROUND BUS
GROUND WIRE (G)

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

VOLTAGE: 240/120V, 200A 1ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR W/ MAIN BRKR.
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	ROOMS 301, 302 RECEPTACLES	20	1	1800	1800	1	20	ROOM **309, 317** RECEPTACLES	2
3	**ROOM 309, 317 RECEPTACLES**	20	1	1800	1800	1	20	**ROOM 309 RECEPTACLES**	4
5	ROOM 304,319 RECEPTACLES	20	1	1800	1800	1	20	ROOM 319,324 RECEPTACLES	6
7	ROOM 324,325 RECEPTACLES	20	1	1800	1800	1	20	ROOM 325,326, CORR. RECEPT.	8
9	UTILITY COLUMN ROOM 301	20	1	1200	1800	1	20	ROOM 320,322,323, CORRIDOR RECEPTACLES	10
11	ROOM 321,323 RECEPTACLES	20	1	1800	1800	1	20	ROOM 310, 311, 312, 316 RECEPTACLES	12
13	UTILITY COLUMN ROOM 304	20	1	1200	1800	1	20	ROOM 313 RECEPTACLES	14
15	**LADIES RESTROOM GFI RECEPT.**	20	1	1800	800	1	20	RESTROOM EXHAUST FANS	16
17	UTILITY COLUMN ROOM 319	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 325	18
19	UTILITY COLUMN ROOM 323	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 323	20
21	UTILITY COLUMN RM 312	20	1	1200	1800	1	20	ROOM 320,314 RECEPTACLES	22
23	ROOM 312,316,321 RECEPTACLES	20	1	1800	1800	1	20	ROOM 303, 304, CORRIDOR RECEPTACLES	24
25	ROOM 300,301 RECEPTACLES	20	1	1800	800	1	20	**MENS RESTROOM GFI RECEPT.**	26
27	WATER HEATER	20	1	1200	500	1	20	SECURITAS SYSTEM	28
29	SPACE							SPACE	30
31	SPACE							SPACE	32
33	SPACE							SPACE	34
35	SPACE							SPACE	36
37	SPACE							SPACE	38
39	SPACE							SPACE	40
41	SPACE							SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø= 21200 Bø= 21100

GROUND BUS
GROUND WIRE (G)

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

VOLTAGE: 240/120V, 200A 1ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR W/ MAIN BRKR.
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	ROOMS 411, 412 RECEPTACLES	20	1	1800	1080	1	20	ROOMS 401, 402 RECEPTACLES	2
3	ROOM 410, CORRIDOR RECEPT.	20	1	1620	500	1	20	RESTROOM EXHAUST FANS	4
5	ROOMS 412,413,414, CORRIDOR RECEPTACLES	20	1	2000	1200	1	20	ROOM 414 RECEPTACLES	6
7	ROOMS 406,407 RECEPTACLES	20	1	1800	1200	1	20	WATER HEATER	8
9	**ROOMS 406, 416, 417 RECEPT.**	20	1	1800	1800	1	20	ROOM 405 RECEPTACLES	10
11	UTILITY COLUMN ROOM 414	20	1	1200	1800	1	20	**ROOMS 406, 407, 417 RECEPT.**	12
13	UTILITY COLUMN ROOM 401	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 401	14
15	UTILITY COLUMN ROOM 416	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 406	16
17	UTILITY COLUMN ROOM 417	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 406	18
19	UTILITY COLUM ROOMM 407	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 406	20
21	UTILITY COLUMN ROOM 412	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 414	22
23	**MENS RESTROOM GFI RECEPT.**	20	1	1000	1000	1	20	**WOMENS RESTROOM GFI RECEPT.**	24
25	**ROOMS 415, 416, CORRIDOR RECEPTACLES**	20	1	1000	1000	1	20	ROOM 416, CORRIDOR RECEPT.	26
27	ROOM 405 RECEPTACLES	20	1	360	720	1	20	ROOM 405 RECEPTACLES	28
29	ROOMS 401, 402, LOBBY RECEPT	20	1	720	500	1	20	SECURITAS SYSTEM	30
31	SPACE			–	–			SPACE	32
33	SPACE			–	–			SPACE	34
35	SPACE			–	–			SPACE	36
37	SPACE			–	–			SPACE	38
39	SPACE			–	–			SPACE	40
41	SPACE			–	–			SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø= 20100 Bø=16000

GROUND BUS
GROUND WIRE (G)

PANEL: PP-5
LOCATION: MECHANICAL ROOM 5TH FLOOR
FEEDER SOURCE:PL-5 CKT 13

VOLTAGE: 240/120V, 200A 1ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR W/ MAIN BRKR.
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	SPARE	20	1	–	1080	1	20	C.O.C. COMP. LAB RECEPT.	2
3	C.O.C. COMP. LAB RECEPT.	20	1	1440	1000	1	20	**C.O.C. COMP. LAB RECEPT.**	4
5	CLERK OF COURT RCPT.	20	1	1260	1440	1	20	**C.O.C. BREAK ROOM GFI RECEPT.**	6
7	**MENS RESTROOM GFI RECEPT.**	20	1	1400	1400	1	20	ROOM 508, CORRIDOR RECEPT.	8
9	**CORRIDOR, ROOM 514 RECEPT.**	20	1	1400	1400	1	20	C.O.C., MARRIAGE LIC. RECEPT.	10
11	**WOMENS RESTROOM GFI RECEPT.**	20	1	**2000**	1200	1	20	UTILITY COLUMN ROOM 509	12
13	COUNCIL OFFICE RECEPTACLES	20	1	1400	1200	1	20	UTILITY COLUMN ROOM 510	14
15	COUNCIL RECEPTACLES	20	1	1400	1200	1	20	UTILITY COLUMN ROOM 501	16
17	C.O.C. SECRETARY POOL, CORRIDOR RECEPTACLES	20	1	1400	1200	1	20	C.O.C. BREAK ROOM RECEPT.	18
19	CORRIDOR/ MECH. RECEPT.	20	1	1400	500	1	20	RESTROOM EXHAUST FANS	20
21	WATER HEATER	20	1	1400	1200	1	20	UTILITY COLUMN ROOM 508	22
23	UTILITY COLUMN ROOM 510	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 510	24
25	UTILITY COLUMN ROOM 501	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 501	26
27	UTILITY COLUMN ROOM 501	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 508	28
29	UTILITY COLUMN ROOM 508	20	1	1200	1200	1	20	UTILITY COLUMN ROOM 510	30
31	C.O.C. BREAK ROOM REF.	20	1	1200	1080	1	20	ROOM 501, CORR. RECEPTACLES	32
33	ROOM 510 RECEPTACLES	20	1	720	540	1	20	SECURITAS SYSTEM	34
35	SPACE							SPACE	36
37	SPACE							SPACE	38
39	SPACE							SPACE	40
41	SPACE							SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=**21040** Bø=19720

GROUND BUS
GROUND WIRE (G)

NEW POWER PANELS

NOTE:
CONTRACTOR SHALL BALANCE ALL PANELS.

0000 –INDICATES ITEMS CHANGED– 01/28/09 PER kd– ab

102133 –INDICATES ITEMS CHANGED– 06/26/08

0000 –INDICATES ITEMS CHANGED– 05/29/08

–INDICATES ITEMS CHANGED– 02/26/08

STAR HVAC REVISED: 05/29/08 ab
HVAC REVISED: 02/26/08ab
HVAC REVISED: 11/05/07ab
REVISED: 01/23/07

RFP #2 11-13-07

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
E10
OF