PANEL: MDP–1
LOCATION: TOWERS BLDG 2ND FLOOR
FEEDER SOURCE: CLECO

VOLTAGE: 277/440V, 800A 3ø, 4W
NEW SURFACE MOUNT PNL
SQUARE D TYPE QMB LOAD CENTER W/MAIN BRKR.
AND REMOTE 110/240V SHUNT TRIP BUTTON NORTH WALL

CKT. NO.	LOAD DESCRIPTION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION	CKT. NO.
	LOCATION							LOCATION	
1	PL1 (CKT 1)	200	3	109833	101833	3	200	PL2 (CKT 2)	2
3	PL3 (CKT 3)	200	3	137533	121333	3	200	PL4 (CKT 4)	4
5	PL5 (CKT 5)	200	3	120983	164662	3	200	PL6 (CKT 6)	6
7	80 TON PL7 CHILLER 1 (CKT 7)	250	3	96000	96000	3	200	80 TON PL8 CHILLER 2 (CKT 8)	8
				800					

Aø Bø Cø

TOTAL CONNECTED LOAD (VA)
Aø=259057 Bø=259057 Cø=259057

SOLID NEUTRAL
NEUTRAL WIRE (W)

COPPER GROUND BUS
GROUND WIRE (G)

PANEL: PL–1
LOCATION: TOWERS BLDG 2ND FLOOR
FEEDER SOURCE: MDP 1 CKT 1

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

CKT. NO.	LOAD DESCRIPTION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION	CKT. NO.
	LOCATION							LOCATION	
1	ROOMS 106, 113, 116, 119 LIGHTS	20	1	1400	1000	1	20	EAST STORAGE LIGHTS	2
3	REST ROOM LIGHTS	20	1	1200	1000	1	20	EAST HALL LIGHTS	4
5	SPARE	20	1	–	1200	1	20	WEST HALL LIGHTS	6
7	EMERGENCY LIGHTS	20	1	400	1000	1	20	PORTRAIT SPOTS EAST HALL	8
9	XFRMR 37.5 KVA TO LP–1 277–240V/120V	130	1	37500	10000	3	20	AH–1 AIR HANDLER ROOM 202	10
9A	SPACE	–	–	–					
11	SPACE	–	–	–					
13	SPACE	–	–	–	11000	1	40	DUCT HTR. 1–1W. EXIT CORR.	12
15	SPACE	–	–	–	9000	1	40	DUCT HTR. 1–2 NE EXIT CORR.	14
17	PARKING LOT LIGHTING, EAST	20	1	1800	14000	1	50	DUCT HTR. 1–3 SE EXIT CORR.	16
19	PARKING LOT LIGHTING, WEST	20	1	1800	–	1	20	SPARE	18
21	PARKING LOT LIGHTING, FRONT	20	1	1800	1000	1	30	PORTRAIT SPOTS WEST HALL	20
23	STAIRWELL FLUORESCENTS WEST	20	1	200	2000	1	20	FUTURE 277V OUTDOOR LIGHTING	22
25	FRONT BUILDING LIGHTS	20	1	1800	2000	1	20	FUTURE 277V OUTDOOR LIGHTING	24
27	STAIRWELL FLUORESCENTS EAST	20	1	200	2000	1	20	FUTURE 277V OUTDOOR LIGHTING	26
29	NIGHTLIGHTS	20	1	1600	1400	1	20	PORTE COCHERE LIGHTING	28
31	SPACE	–	–	–	1600	1	20	NIGHTLIGHTS	30
33	SPACE	–	–	–	18000	1	70	DUCT HEATER #1–4 NE MEZZ.	32
35	SPACE	–	–	–	–	–	–	SPACE	34
37	SPACE	–	–	–	–	–	–	SPACE	36
39	SPACE	–	–	–	–	–	–	SPACE	38

Aø Bø Cø

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=28133 Bø=42450 Cø=39050

GROUND BUS
GROUND WIRE (G)

PANEL: PL–2
LOCATION: MECHANICAL ROOM 2ND FLOOR
FEEDER SOURCE: MDP 1 CKT 2

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

CKT. NO.	LOAD DESCRIPTION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION	CKT. NO.
	LOCATION							LOCATION	
1	ROOM 209 LIGHTS	20	1	1600	1600	1	20	ROOM 209 LIGHTS	2
3	ROOM 210, 211 LIGHTS	20	1	1100	1600	1	20	ROOM 215, 216, 217 LIGHTS	4
5	SPARE	30	1	–	1600	1	20	WEST HALL LIGHTS	6
7	EMERGENCY LIGHTS	20	1	400	1400	1	20	EAST HALL LIGHTS	8
9	XFRMR 37.5 KVA TO PP–2 277/–240V/120V	130	1	37500	–	3	20	SPARE	10
9A	SPACE								
11	ROOM 208 LIGHTS	20	1	800	–	3	20	SPARE	
13	ROOM 205, 206, 213, 214 LTS.	20	1	1500	400	1	20	ROOM 218 LIGHTS	12
15	ROOM 202 MEZZ. LIGHTS	20	1	1200	–	1	20	SPARE	14
17	VAV/HTR #2–1 ROOM 209	30	1	2000	1600	1	20	NIGHT LIGHTS	16
19	VAV/HTR #2–4 ROOM 219	30	1	2000					
21	VAV/HTR #2–2 ROOM 215	30	1	2000	10000	3	30	AH–2 AIR HANDLER	18
23	VAV/HTR #2–3 ROOM 216	30	1	2000					
25	VAV/ HTR #2–5 ROOM 208	30	1	2000	5500	1	30	VAV/ HTR #2–6 ROOM 208	20
27	VAV/ HTR # 2–8 ROOM 214	30	1	5500	5500	1	30	VAV/ HTR #2–7 ROOM 208	22
29	VAV/ HTR # 2–10 ROOM 211	20	1	2000	8000	1	40	VAV/ HTR #2–9 ROOM 206	24
31	SPACE	–	–	–	8000	1	40	VAV/ HTR #2–11 ROOM 209	26
33	SPACE	–	–	–	–	–	–	SPACE	28
35	SPACE	–	–	–	–	–	–	SPACE	30
37	SPACE	–	–	–	–	–	–	SPACE	32
					–	–	–	SPACE	34

Aø Bø Cø

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=24233 Bø=42250 Cø=37850

GROUND BUS
GROUND WIRE (G)

PANEL: PP–1
LOCATION: TOWERS BLD 2ND FLOOR NEW MECHANICAL ROOM
FEEDER SOURCE:PP–11 CKT 9

VOLTAGE: 240/120V, 125A 1ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR, MAIN BRKR
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION	CKT. NO.
	LOCATION							LOCATION	
1	N. LOBBY/ CORR. RECEPTACLES	20	1	1620	1080	1	20	CONFERENCE ROOM RECEPTACLES	2
3	**LADIES RESTROOM GFI RECEPT.**	20	1	1620	1000	1	20	CONFERENCE ROOM RECEPTACLES	4
5	MAIN LOBBY RECEPTACLES	20	1	1260	1440	1	20	WATER HEATER	6
7	RESTROOM EXHAUST VENTS	20	1	500	1000	1	20	EXTERIOR GFI RECEPTACLES EAST	8
9	UTILITY COLUMN ROOM 116	20	1	1200	1000	1	20	EXTERIOR GFI RECEPTACLES WEST	10
11	RESTROOM RECEPTACLES	20	1	1000	1200	1	20	UTILITY COLUMN ROOM 115	12
13	RECEPTACLES RM 120	20	1	1000	1000	1	20	RECEPTACLES RM 113	14
15	**ROOM 111 RECEPTACLES**	**20**	**1**	**600**	**200**	**1**	**20**	**MENS RESTROOM GFI RECEPT.**	16
	SPACE			–	–			SPACE	18
	SPACE			–	–			SPACE	20
	SPACE			–	–			SPACE	22
	SPACE			–	–			SPACE	24

Aø Bø

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=**10200** Bø=**6520**

GROUND BUS
GROUND WIRE (G)

PANEL: PP–2
LOCATION: TOWERS BLD 2ND FLOOR NEW MECHANICAL ROOM
FEEDER SOURCE:PL–2 CKT 9

VOLTAGE: 240/120V, 125A 1ø ML
TYPE: SURFACE MOUNT WITH EQ. GRND. BAR, MAIN BRKR
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION	CKT. NO.
	LOCATION							LOCATION	
1	SPARE			–	1080	1	20	PERMITS/ ELEV. EQ. RECEPT.	2
3	PERMIT WAITING/ ROOM. 211 RECEPTACLES	20	1	1620	1000	1	20	VETERANS RECEPTACLES	4
5	**MENS RESTROOM GFI RECEPT.**	20	1	1260	1440	1	20	ROOM 214 RECEPTACLES	6
7	CORRIDOR RECEPTACLES	20	1	1400	1000	1	20	UTILITY COLUMN ROOM 208	8
9	UTILITY COLUMN ROOM 209	20	1	1000	1000	1	20	UTILITY COLUMN ROOM 208	10
11	MEZZANINE RECEPTACLES	20	1	**1200**	500	1	20	RESTROOM EXHAUST FANS	12
13	WATER HEATER	30	1	3000	1000	1	30	MECHANICAL ROOM RECEPT.	14
15	UTILITY COLUMN ROOM 209	20	1	1000	–	1	20	SPARE	16
17	UTILITY COLUMN ROOM 209	20	1	1000	1000	1	20	UTILITY COLUMN ROOM 208	18
19	UTILITY COLUMN ROOM 209 E.	20	1	1000	1000	1	20	UTILITY COLUMN ROOM 217	20
21	**ROOMS 215, 216, 218 RECEPT.**	20	1	540	900	1	20	**SPARE**	22
23	UTILITY COLUMN ROOM 219	20	1	1200	720	1	20	ROOM 219 RECEPTACLES	24
25	ROOM 219 RECEPTACLES	20	1	720	1000	1	20	**SPARE**	26
27	**SPARE**	20	1	**–**	500	1	20	SECURITAS SYSTEM	28
29	**LADIES RESTROOM GFI RECEPT.**	**20**	**1**	**200**	–			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

Aø Bø

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
Aø=**15140** Bø=**12140**

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

–INDICATES ITEMS CHANGED– 02/26/08

0000 –INDICATES ITEMS CHANGED– 05/29/08

STAR HVAC REVISED: 05/29/08 ab
HVAC REVISED: 02/26/08 ab
HVAC REVISED: 11/05/07 ab
REVISED: 05/09/07 KD

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
E9
OF