



**1 POWER RISER DIAGRAM**  
E-02 NO SCALE

**SWITCHBOARD SCHEDULE**

SWITCHBOARD NAME	LOCATION	VOLTAGE	MAIN DISCONNECT DEVICE	AIC RATING	ENCLOSURE	ACCESSORIES	NAMEPLATE
MSWB	SECOND FLOOR ELECTRICAL ROOM	480/277V, 3Ø, 4W, 3WYE 208/120V, 3Ø, 4W, 3WYE 240/130V, 3Ø, 4W, DELTA W/YA "STINGER"	800 AMP MOLDED CASE CIRCUIT BREAKER FUSED CASE CIRCUIT BREAKER FAN CIRCUIT BREAKER LOW VOLTAGE POWER BREAKER FUSIBLE BOLTED PRESSURE SWITCH MAIN LINES ONLY	42KAIC FULLY RATED SPARE RATED	NONE LONG SIDE OF MAIN LONG SIDE OF MAIN DIGITAL METER OTHER DIGITAL METER	MEAS 3R FRONT ONLY FRONT AND REAR REAR, FRONT, VISIBLE 3 POINT LOCAL TIE PANEL DOORS TOP LEFT RIGHT BOTTOM HOUSEKEEPING PAD	BLACK FIELD, WHITE LETTERS RED FIELD, WHITE LETTERS

  

NO.	QTY	DESCRIPTION	LOAD (KVA)
1	1	MAIN CIRCUIT BREAKER	
2	3	SPARE	
3	3	PANEL 2EM VIA 600A MTS	273.9
4	3	SPARE	
5	3	SPARE	
6	3	SPARE	
7	3	PANEL 1H	35.8
8	3	PANEL 1HO	101.8
9	3	SPARE	
10	3	SPARE	
11	3	SPARE	
12	3	SPARE	
13	3	SPARE	
14	1	SPACE ONLY 225A	
15	1	SPACE ONLY 100A	
16	1	SPACE ONLY 100A	
17	1	SPACE ONLY 100A	
18	1	SPACE ONLY 100A	
19	1	SPACE ONLY 100A	
20	1	SPACE ONLY 100A	
21	1	SPACE ONLY 100A	
TOTAL			428.6
			516.3 AMP

**FEDDER SCHEDULE FOR POWER RISER DIAGRAM**

3 PHASE + NEUTRAL + EQUIPMENT GROUNDING CONDUCTOR (COPPER CONDUCTORS)

100Y	4/1	1Ø8C-1-1/2"
125Y	4/1	1Ø8C-1-1/2"
150Y	4/1/0	1Ø6C-2"
175Y	4/2/0	1Ø6C-2"
200Y	4/3/0	1Ø6C-2"
225Y	4/4/0	1Ø4C-2-1/2"
400Y	4-600	KCMIL 1ØC-4"
600Y	2 SETS	(4-600 KCMIL 1Ø1/0C 3")
600Y	2 SETS	(4-600 KCMIL 1Ø1/0C 4")
600Y SE	2 SETS	(4-600 KCMIL-4") SERVICE ENTRANCE (UNPROTECTED) + (1) 4" SPARE

- SPECIFIC NOTES:**
- PROVIDE A CT CABINET AND JUNCTION BOX FOR ENERGY POWER CO. PER THE REQUIREMENTS OF THE ENERGY POWER COMPANY. SEE SHEET ED.1 FOR LOCATION.
  - PROVIDE 4 INCH HIGH CONCRETE HOUSEKEEPING PAD.
  - STUB THE SERVICE CONDUITS UP THE EXISTING ENERGY POWER COMPANY AS DIRECTED BY ENERGY POWER COMPANY. SEE SHEET ED.1 FOR LOCATION.
  - PROVIDE METER CAN FOR THE kWh METER. SEE SHEET ED.1 FOR LOCATION.
  - PROVIDE A FULLY BUSSED NEMA 3R ENCLOSURE. THE ENCLOSURE SHALL BE RATED FOR 800 AMPS, 480Y/277V, 3Ø 4W. LOCATE THE ENCLOSURE AHEAD OF THE 800 AMP BUILDING SERVICE RATED DISCONNECT SWITCH 'MOS'.
  - GROUND THE SERVICE TO THE LINE SIDE OF THE MAIN WATER PIPE. BLDG. STEEL AND PROVIDE A COUNTER-POISE GROUNDING SYSTEM.
  - PROVIDE (3) 10X3/4" COPPER CLAD GROUND RODS DRIVEN NO LESS THAN 10 FEET APART IN A DELTA CONFIGURATION.
  - THE BRANCH CIRCUIT SERVING THE TVSS SHALL NOT EXCEED 10 FEET IN OVERALL LENGTH FROM THE TVSS TO THE MAIN SWITCHBOARD.
  - GROUND SERVICE DISC. SW. 'MOS' WITH 10X3/4" COPPER CLAD GROUND RODS (3) AND TO THE LINE SIDE OF THE MAIN COLD WATER PIPE AT THE FACILITY.
  - GROUNDING FOR THE SERVICE DISCONNECT SHALL BE KEPT SEPARATE FROM THE BUILDING'S MAIN SWITCHBOARD 'MOS' GROUNDING SYSTEM.
  - PROVIDE A 600 AMP 3 POLE MANUAL TRANSFER SWITCH 480Y/277V, 3Ø 4W, ASCO# 386, MANUAL CONTROL.
  - GENERATOR DISCONNECT SWITCH 'GDS' IS LOCATED ON THE NORTH EXTERIOR WALL OF THE BUILDING AND ADJACENT TO THE N/E CORNER.
  - PROVIDE (2) 4" + (1) 4" SPARE FROM THE CT CABINET TO THE J-BOX CONDUITS SHALL BE CONCRETE ENCASED BELOW GRADE.
  - PROVIDE 3Ø 1Ø8C 2" AND (1) 2" SPARE (FIRE PUMP). ALL CONDUITS SHALL BE CONCRETE ENCASED BELOW GRADE.

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**New Orleans City Park**  
Administration Building

1 Palm Drive  
New Orleans, Louisiana 70124  
Project No. 01-107-05B-13 Part No. BZ  
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SHEET TITLE:  
POWER RISER  
DIAGRAM

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Bid/Construction Documents

**E-02**