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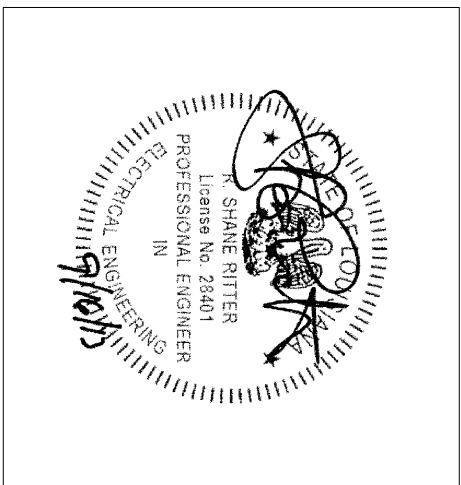
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REVISIONS	
No.	Date Description

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KEY PLAN

Southern Hospitality
Services

Hampton Inn and
Suites

5400 I-20 & Frontage Rd.
Monroe, LA 71201

Drawing Title
Electrical Power Riser Diagram

Phase
Construction Documents

Project No.	12-111	Sheet No.	
Prepared by	RSR		
Checked by	RSR		E4.1
Date	Sept. 16, 2013		

Released for
PERMIT ONLY

FAULT CURRENT DATA

POINT	Isc	Let-thru	REMARKS
X1	132,181	77,759	MIN. 100FT FEEDER
X2	77,759	54,403	MIN. 10FT FEEDER
X3	77,759	44,956	MIN. 50FT FEEDER
X4	77,759	35,876	MIN. 40FT FEEDER
X5	77,759	28,617	MIN. 40FT FEEDER
X6	77,759	11,092	MIN. 140FT FEEDER
X7	77,759	11,816	MIN. 130FT FEEDER
X8	77,759	10,452	MIN. 150FT FEEDER
X9	77,759	11,092	MIN. 140FT FEEDER
X10	77,759	9,882	MIN. 160FT FEEDER
X11	77,759	10,452	MIN. 150FT FEEDER
X12	77,759	22,443	MIN. 150FT FEEDER
X13	53,220	60,191	MIN. 10FT FEEDER

FEEDER SCHEDULE						
FEEDER ORIGINATOR LOCATION	LOAD SERVED	NUMBER OF PARALLEL SETS	NUMBER OF PHASE & NEUTRAL CONDUCTORS PER CONDUIT	PHASE & NEUTRAL CONDUCTOR SIZE	EQUIPMENT GROUND CONDUCTOR SIZE	MINIMUM CONDUIT SIZE
ATS	1E1	1	4	500 KCMIL	NO. 3	3-1/2
GEN	FP-1	1	3	350 KCMIL	NO. 3/0	3
GEN	ATS	1	4	500 KCMIL	NO. 3	3-1/2
MSB	ATS	1	4	500 KCMIL	NO. 3	3-1/2
MSB	1L1	1	4	NO. 4/0	NO. 4	2-1/2
MSB	1L3	1	4	NO. 4/0	NO. 4	2-1/2
MSB	1M1	2	4	500 KCMIL	NO. 1/0	3-1/2
MSB	1P1	1	4	500 KCMIL	NO. 3	3-1/2
MSB	1S1	1	4	NO. 4/0	NO. 4	2-1/2
MSB	2L1	1	4	NO. 4/0	NO. 4	2-1/2
MSB	2L3	1	4	NO. 4/0	NO. 4	2-1/2
MSB	2L5	1	4	NO. 4/0	NO. 4	2-1/2
MSB	3L1	1	4	NO. 4/0	NO. 4	2-1/2
MSB	3L3	1	4	NO. 4/0	NO. 4	2-1/2
MSB	3L5	1	4	NO. 4/0	NO. 4	2-1/2
MSB	4L1	1	4	NO. 4/0	NO. 4	2-1/2
MSB	4L3	1	4	NO. 4/0	NO. 4	2-1/2
MSB	4L5	2	4	350 KCMIL	NO. 1	3
UTIL	FP-1	1	4	350 KCMIL	NO. 3/0	3
UTIL	MSB	11	4	500 KCMIL		4

ALL DISTANCES
TO BE MEASURED
FROM THE MAIN ELECTRICAL
SYSTEM TO THE LOADS.
ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY.
ALL NEUTRALS TO THE NEUTRAL BUS.
BOND NEUTRAL AND GROUND TOGETHER AT ANY OTHER
LOCATION IN ELECTRICAL SYSTEM EXCEPT ON THE SECONDARY
OF TRANSFORMERS, AND THE MAIN ELECTRICAL
SYSTEM.
ALL CONDUITS, ONE IN EACH DIRECTION PER
CIRCUIT.
ALL EMPTY CONDUITS FOR FUTURE USE AND
INSTALLATIONS ON AS-BUILT DRAWINGS.

TRANSFORMER PAD WITH
SERIES CONNECTED AS SHOWN
LOCATION AND REQUIREMENTS
LOCAL UTILITY COMPANY.

NEEMA-39 DISCONNECT LOCATED EXTERNAL
AT ENTRANCE TO BUILDING. RE-ESTABLISH POINT
TO BUILDING GROUND GRID AT THIS POINT.
DISCONNECT TO BE SERVICE ENTRANCE RATED.

ELECTRICAL ALTERNATE #1
200KW STANDBY
GENERATOR
PROVIDE WITH 1-400A/3P (1E1)
& 1-400A/3P BREAKERS (FP-1)

ELECTRICAL ALTERNATE #2
IF FIRE PUMP SUPPLIER REQUESTS TO RELOCATE
VERIFY LOCATIONS AND REQUIREMENTS
WITH FIRE PUMP SUPPLIER
DISCONNECT TO BE
SERVICE ENTRANCE RATED

FIRE PUMP
(FP-1)

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RISE NOTES

1. VERIFY ALL DISTANCES
2. VERIFY ALL DISTANCES WITH LOCAL UTILITY COMPANY.
3. BOND ALL NEUTRALS TO THE NEUTRAL BUS.
4. BOND ALL GROUNDS TO THE GROUND BUS.
5. DO NOT BOND NEUTRAL AND GROUND TOGETHER AT ANY OTHER LOCATION IN ELECTRICAL SYSTEM EXCEPT ON THE SECONDARY SIDE OF DRY TYPE TRANSFORMERS, AND THE MAIN ELECTRICAL SERVICE ENTRANCE SWITCHBOARD.
6. SHOW DIRECTION OF EACH DIRECTION PER
7. BOND BUILDING GROUND TO INCOMING COLDER WATER, BUILDING STEEL, ETC. AS SHOWN IN DETAIL 2/E6.1.
8. MARK ALL EMPTY CONDUITS FOR FUTURE USE AND SHOW LOCATIONS ON AS-BUILT DRAWINGS.

NECA-3B DISCONNECT LOCATED EXTERNAL AT ENTRANCE TO BUILDING. DISCONNECT TO BE SERVICE ENTRANCE RATED.

PROVIDE TRANSFORMER PAD WITH METERBASE ASSEMBLY AS SHOWN IN THE DETAIL 2/E6.1. VERIFY LOCATION AND REQUIREMENTS WITH LOCAL UTILITY COMPANY.

ELECTRICAL ALTERNATE #1

PROVIDE WITH 1-400A/3P (1E1) & 1-400A/3P BREAKERS (FP-1)

ELECTRICAL ALTERNATE #2

IF FIRE PUMP IS PRESENT, CONNECT AS SHOWN IN DETAIL 3/E6.4. VERIFY LOCATION AND REQUIREMENTS WITH FIRE PUMP SUPPLIER. DISCONNECT TO BE SERVICE ENTRANCE RATED.

SECONDARY ELECTRICAL SERVICE SEE FEEDER SCHEDULE FOR SIZE. SEE DETAIL 2/E6.1 FOR CROSS-SECTION OF CONDUIT DUCTBANK.

1 ELECTRICAL POWER RISER DIAGRAM
E4.1 SCALE: NO SCALE