FOR REFERENCE ONLY

ELECTRICAL SYMBOL LEGEND

BASIC MATERIALS

SYMBOL	DESCRIPTION
DEVICE ABBREVIATION TAGS:	
6C	POKE-THRU WITH 6" CORE DRILL
8C	POKE-THRU WITH 8" CORE DRILL
4G	FOUR-GANG FLOOR BOX
6G	SIX-GANG FLOOR BOX
8G	EIGHT-GANG FLOOR BOX
AV	DOUBLE DUPLEX RECEPTACLE WITH DEDICATED CIRCUIT FOR AV RACK OR CART
C	RECEPTACLE CONTROLLED PER ASHRAE 90.1 (2010). PROVIDE POWER PACK FOR RECEPTACLE CIRCUIT. TO BE CONTROLLED THROUGH LOCAL ROOM OCCUPANCY SENSOR(S). PROVIDE DEVICE WITH BLUE DOT OR UNIVERSAL POWER SYMBOL
ETR	EXISTING TO REMAIN
H	HOSPITAL GRADE
IG	ISOLATED GROUND (ORANGE DEVICE)
RL	RELOCATED
TR	TAMPER RESISTANT
TV	RECEPTACLE MOUNTED ADJACENT TO TV OUTLET, COORDINATE HEIGHT W/ ARCHITECT
U	DUPLEX RECEPTACLE WITH (2) USB PORTS
WP	WEATHERPROOF
S_X	SINGLE POLE SWITCH (SUBSCRIPT INDICATES ITEM CONTROLLED)
S_3	THREE-WAY SWITCH
S_4	FOUR-WAY SWITCH
S_K	SINGLE POLE KEY SWITCH
S_T	DIGITAL TIMER SWITCH W/ 5 MIN. WARNING FLASH
S_{OSdb}	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH, DUAL RELAY
S_{OS}	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
S_{VS}	WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR SWITCH
$S_{D,OS}$	WALL MOUNTED DUAL TECHNOLOGY DIMMING/OCCUPANCY SENSOR SWITCH
S_{LV}	LOW VOLTAGE SWITCH
S_{LVO}	LOW VOLTAGE OVERRIDE SWITCH
S_{LVD}	LOW VOLTAGE OVERRIDE SWITCH WITH DIMMING
S_F	FAN SWITCH
S_M	MOTOR RATED SWITCH
S_D	DIMMER SWITCH, LINE VOLTAGE
OS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
PL	DAYLIGHT SENSOR CEILING MOUNTED
PL	DAYLIGHT SENSOR WALL MOUNTED
VS	VACANCY SENSOR CEILING MOUNTED
VS	VACANCY SENSOR WALL MOUNTED
PC	PHOTOCELL, MOUNTED ON ROOF FACING NORTH
	NOTE: DIAGONAL MARKS INDICATED ON ANY DEVICE REPRESENTS DEVICE CONNECTED TO EMERGENCY CIRCUIT (**RED DEVICE FOR RECEPTACLE**) TYPICAL FOR ANY DEVICE IN LEGEND
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
TV	DUPLEX RECEPT. FOR TV. COORDINATE HEIGHT WITH ARCHITECTUAL MOUNTED IN RECESSED TV BOX. SEE TECHNOLGY PLANS.
	TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVER MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE; EACH RECEPTACLE ON SEPARATE CIRCUIT (PROVIDE BREAKER WITH 2-POLE COMMON TRIP HANDLE)
	SPLIT-WIRED CONTROLLED DUPLEX RECEPTACLE
	GFCI RECEPTACLE; "WP" INDICATES CAST METAL "IN-USE" WEATHERPROOF COVER, WEATHER-RESISTANT LISTED
	TWO GFCI DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE
	GFCI RECEPTACLE MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE, CEILING MOUNTED
	TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE, CEILING MOUNTED
	PEDESTAL MOUNTED DUPLEX RECEPTACLE
	FLOOR BOX WITH DUPLEX RECEPTACLE WITH APPROPRIATE FLANGE
	FLOOR BOX, TWO DUPLEX RECEPTACLES (QUAD) WITH APPROPRIATE FLANGE
	MULTI-SERVICE FLOOR BOX WITH DUPLEX RECEPTACLE, VOICE/DATA/AV DEVICES (REFER TO TECHNOLOGY DRAWINGS OR OWNER'S VENDOR DRAWINGS FOR LOW VOLTAGE REQUIREMENTS)
	MULTI-SERVICE FLOOR BOX WITH TWO DUPLEX RECEPTACLES (QUAD) , VOICE/DATA/AV DEVICES (REFER TO TECHNOLOGY DRAWINGS OR OWNER'S VENDOR DRAWINGS FOR LOW VOLTAGE REQUIREMENTS)
	MULTI-SERVICE POWER & DATA FLOOR BOX WITH FURNITURE FEED CONNECTION (REFER TO TECHNOLOGY DRAWINGS OR OWNER'S VENDOR DRAWINGS FOR LOW VOLTAGE REQUIREMENTS)
	SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AS NOTED
J	JUNCTION BOX WALL MOUNTED "PT" = ELECTRIC PAPER TOWEL DISPENSER CONNECTION
J	JUNCTION BOX MOUNTED IN OR ABOVE CEILING OR IN STRUCTURE
J	WALL MOUNTED FURNITURE FEED POWER CONNECTION
PP	POWER POLE WITH POWER & DATA FURNITURE FEED POWER CONNECTIONS
PP	POWER POLE WITH POWER & DATA OUTLETS
P	MULTI-SERVICE POKE-THRU WITH TWO INTEGRAL DUPLEX RECEPTACLES AND VOICE/DATA/AV DEVICES (REFER TO TECHNOLOGY DRAWINGS OR OWNER'S VENDOR DRAWINGS FOR LOW VOLTAGE REQUIREMENTS), OR FURNITURE FEED CONNECTION. (REFER TO POWER PLANS FOR DETAILS)
	WIREMOLD RACEWAY, DUPLEX RECEPTACLE EVERY 18 INCHES O.C.
J	JUNCTION BOX, WALL MOUNTED
GRD	GROUND BUS BAR, COPPER
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT-TRIP PUSHBUTTON, SEMI-FLUSH WALL MOUNTED UNLESS OTHERWISE NOTED; NEMA 3R FOR EXTERIOR LOCATIONS
EPO	EMERGENCY POWER OFF SHUNT-TRIP PUSHBUTTON, RED MUSHROOM HEAD, CLEAR LEXAN PROTECTIVE COVER
	MOTOR CONNECTION
MD	MOTORIZED DAMPER CONNECTION
VFD	VARIABLE FREQUENCY DRIVE
DDC	DIRECT DIGITAL CONTROL PANEL
LCP	LIGHTING CONTROL PANEL
	LOCKING-TYPE RECEPTACLES INSTALLED IN CEILING SERVICE TILES. QUANTITY AND TYPE AS SHOWN ON FLOOR PLAN.

SYMBOL	DESCRIPTION
MH	MANHOLE
PB	PULLBOX
HH	HANDHOLE
T	TRANSFORMER
ATS	AUTOMATIC TRANSFER SWITCH
30AR NF	NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED NON-FUSED DISCONNECT SWITCH, RATING AS NOTED NF = NON-FUSED AR = AMPERE RATING OF SWITCH 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE
30AR 30AF	NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED FUSED DISCONNECT AF = AMPERE RATING OF FUSE AR = AMPERE RATING OF SWITCH 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE
MCP AMPERE RATING 3P 3R	# OF POLES NEMA RATING, NEMA 1 UNLESS OTHERWISE NOTED COMBINATION MAGNETIC MOTOR STARTER, SIZE AS NOTED, 3-POLE UNLESS OTHERWISE NOTED 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE NEMA STARTER SIZE
	SWITCHBOARD/ SWITCHGEAR/ DISTRIBUTION PANEL
	BRANCH CIRCUIT PANELBOARD, OVER 240 VOLTS, SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD, OVER 240 VOLTS, FLUSH MOUNTED
	BRANCH CIRCUIT PANELBOARD, UNDER 240 VOLTS, SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD, UNDER 240 VOLTS, FLUSH MOUNTED
	CONDUIT CONCEALED ABOVE CEILING OR IN WAL
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR
	CONDUIT HOMERUN TO ELECTRICAL PANEL
UP	CONDUIT TURNING UP
DN	CONDUIT TURNING DOWN
	CONDUIT STUBBED OUT OR UP
	CONDUIT CONTINUED
	FLEXIBLE CONDUIT
	CONDUIT SEAL-OFF FITTING
	GROUND OR GROUND ROD AS NOTED
	EXISTING TO BE REMOVED (HEAVY, DASHED LINE)
	EXISTING TO REMAIN (LIGHT, SOLID LINE)
	NEW (HEAVY, SOLID LINE)

LIGHTING

SYMBOL	DESCRIPTION
	LED OR FLUORESCENT STRIP FIXTURE
A	FIXTURE TYPE
A z1 2x	LED FIXTURE, RECESSED, PENDANT OR SURFACE CEILING LOWER CASE LETTER INDICATES CONTROLLING SWITCH CIRCUIT NUMBER LIGHTING CONTROL ZONE NUMBER (VIA RELAY PANEL)
	FULL SHADING INDICATE FIXTURE CONNECTED TO LIFE SAFETY CIRCUIT
	LED OR FLUORESCENT FIXTURE, WALL MOUNTED
	LED, FLUORESCENT, HID, RECESSED, PENDANT OR SURFACE CEILING
	LED, FLUORESCENT, HID, WALL MOUNTED
	LED, FLUORESCENT, HID - CEILING WALLWASHER, ACCENT LIGHT, LANDSCAPING TREE ACCENT LIGHT, FACADE LIGHT
	TRACK WITH TRACK LIGHT FIXTURE (TRIANGLES INDICATE QUANTITY OF TRACK HEADS)
	EMERGENCY TWIN-HEAD LIGHT WITH INTEGRAL BATTERY PACK, WALL MOUNTED
	LINEAR FLUORESCENT, LED, RECESSED, PENDANT OR SURFACE CEILING
	EXTERIOR POLE-MOUNTED AREA LIGHT FIXTURE, ARMS AS INDICATED ON DRAWINGS
	EXTERIOR PEDESTRIAN SIDEWALK BOLLARD OR POST-TOP LIGHT FIXTURE
	EXIT LIGHT, LED, CEILING OR PENDANT MOUNTED; DIRECTIONAL ARROWS AS INDICATED; SHADED QUADRANT INDICATES FACE(S) OF FIXTURE
	EXIT LIGHT, LED, WALL MOUNTED

FIRE ALARM / DETECTION SYSTEM

SYMBOL	DESCRIPTION
F	MANUAL PULL STATION
	CEILING SMOKE DETECTOR, PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED E = ELEVATOR WITH RECALL CONTACTS I = IONIZATION
	DUCT SMOKE DETECTOR R = RETURN S = SUPPLY
FB	BEAM SMOKE DETECTOR BR OR R = BEAM DETECTOR RECEIVER BT OR T = BEAM DETECTOR TRANSMITTER
H	HEAT DETECTOR 135°F FIXED TEMPERATURE, UNLESS OTHERWISE NOTED, CEILING MOUNTED
E	SUPERVISED ADDRESSABLE FIRE ALARM CONTROL RELAY
XD	DUCT SMOKE DETECTOR REMOTE TEST SWITCH WITH INDICATING LAMP, WALL MOUNTED AT 48" AFF, UNLESS OTHERWISE NOTED
F XACD	COMBINATION SPEAKER/STROBE, WALL MOUNTED, 75CD UNLESS OTHERWISE NOTED CD = CANDELA RATING
H	HORN ONLY, WALL MOUNTED
F XACD	STROBE, CEILING MOUNTED, 75 CD UNLESS OTHERWISE NOTED CD = CANDELA RATING
FS XACD	COMBINATION SPEAKER/STROBE, CEILING MOUNTED, 75CD UNLESS OTHERWISE NOTED CD = CANDELA RATING
SS	SPEAKER ONLY, CEILING MOUNTED
SS	SPEAKER ONLY, WALL MOUNTED
F	STROBE, WALL MOUNTED, 75CD UNLESS OTHERWISE NOTED
FP	FIREMAN'S PHONE JACK
FS	SPRINKLER TAMPER SWITCH CONNECTION
FS	SPRINKLER WATERFLOW SWITCH CONNECTION
PS	PRESSURE SWITCH CONNECTION
	ELECTROMAGNETIC DOOR HOLD OPEN DEVICE
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FAA	FIRE ALARM ANNUNCIATOR PANEL - FLUSH MOUNTED
EVAC	VOICE EVACUATION PANEL
MNS	MASS NOTIFICATION SYSTEM PANEL
DACT	MASS NOTIFICATION SYSTEM PANEL
NAC	FIRE ALARM BATTERY CABINET

ABBREVIATIONS

A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
ABV CLG	ABOVE CEILING
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASA	AMERICAN STANDARDS ASSOCIATION
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GUAGE
BC	BARE COPPER
BIL	BASIC IMPULSE LEVEL
BAS	BUILDING AUTOMATION SYSTEM
BMS	BUILDING MANAGEMENT SYSTEM
BRKR OR BKR	BREAKER
C	CONDUIT OR RACEWAY
CAB	CABINET
CKT	CIRCUIT
CB	CIRCUIT BREAKER
CBM	CERTIFIED BALLAST MANUFACTURERS
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLEC	CLOCK EQUIPMENT CABINET
CLG	CEILING
CO	CONDUIT OR RACEWAY ONLY
COAX	COAXIAL CABLE
COND	CONDUCTOR
CONN	CONNECTION
CPU	CENTRAL PROCESSING UNIT
CRT	CATHODE RAY TERMINAL (VIDEO DISPLAY TERMINAL)
CT	CURRENT TRANSFORMER
CU	COPPER
CW	COLD WATER
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DF	DEMAND FACTOR
DISC	DISCONNECT
DISC SW	DISCONNECT SWITCH
DO	DRAW OUT
DN	DOWN
DPST	DOUBLE POLE SINGLE THROW
EDH	ELECTRIC DUCT HEATER
EMT	ELECTRIC METALLIC TUBING
EO	ELECTRICALLY OPERATED
EOL	END OF LINE
EOR	ENGINEER OF RECORD
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FATC	FIRE ALARM TERMINAL CABINET
FBC	FLORIDA BUILDING CODE
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERES
FM	FACTORY MUTUAL
FPU	FAN POWERED UNIT
FT	FEET
GF	GROUND FAULT
GFA	GROUND FAULT ALARM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFR	GROUND FAULT RELAY
GND, G	GROUND
HP	HORSEPOWER
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
IC	INTERCOM
ICU	INTENSIVE CARE UNIT
IECC	INTERNATIONAL ENERGY CONSERVATION CODE

ABBREVIATIONS (CONT.)

IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IES	ILLUMINATING ENGINEERING SOCIETY
IMC	INTERMEDIATE METAL CONDUIT
IN	INCHES
IPCEA	INSULATED POWER CABLE ENGINEERS ASSOCIATION
IT	INSTANTANEOUS TRIP
JB OR J-BOX	JUNCTION BOX
KCML	ONE THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOURS
LBS	POUNDS
LED	LIGHT EMITTING DIODE
LP	LIGHTNING PROTECTION
LT	LIGHT
LTG	LIGHTING
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS, ALARM
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN SERVICE DISTRIBUTION PANEL
MC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SERVICE SWITCHBOARD
MTD	MOUNTED
MTG	MOUNTING
MTR	MOTOR
MTS	MANUAL TRANSFER SWITCH
MUX	MULTIPLEX (TRANSPONDER) PANEL
MVA	MEGA VOLT AMPS
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NF	NON-FUSED
NL	NON LINEAR
NO	NORMALLY OPEN OR NUMBER
OL	OVERLOAD
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
P	POLE
PB	PULLBOX
PF	POWER FACTOR
PIV	POST INDICATOR VALVE
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYLCHLORIDE
PWR	POWER
REC, RECEPT	RECEPTACLE
REF	REFRIGERATOR
RGS, GRC	RIGID GALVANIZED STEEL CONDUIT
RLA	RUNNING LOAD AMPERES
RMS	ROOT-MEAN-SQUARE
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SCA	SHORT CIRCUIT AMPERES
SD	SMOKE DETECTOR
SEC	SECONDARY
S/N	SOLID NEUTRAL
SPD	SURGE PROTECTIVE DEVICE
SPKR	SPEAKER
SPST	SINGLE POLE SINGLE THROW
SS	STAINLESS STEEL
SST	SOLID STATE TRIP
STD	SHORT TIME TRIP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEL	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TVEC	TELEVISION EQUIPMENT CABINET
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UL	UNDERWRITERS LABORATORIES
UTIL	UTILITY
V	VOLT
VA	VOLTAMPERE
VAR	VOLT AMPERE REACTIVE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHER PROOF
XFMR	TRANSFORMER
XFR	TRANSFER

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

RFI RFI 282

ELECTRICAL DRAWING INDEX

SHEET	DESCRIPTION
E001	ELECTRICAL SYMBOLS, LEGEND, NOTES AND INDEX
E002	ELECTRICAL GENERAL NOTES
E101	ELECTRICAL OVERALL PLAN - LEVEL 1
E103	LIGHTING PLAN - LEVEL 3
E104	LIGHTING PLAN - LEVEL 4
E105	LIGHTING PLAN - LEVEL 5
E106	LIGHTING PLAN - LEVEL 6
E107	LIGHTING PLAN - LEVEL 7
E202	ELECTRICAL POWER PLAN - LEVEL 2
E203	OVERALL PLAN - LEVEL 3
E204	ELECTRICAL OVERALL PLAN - LEVEL 4
E2046	POWER & FIRE ALARM PLAN - LEVEL 4
E205	ELECTRICAL POWER & FIRE ALARM PLAN - LEVEL 5
E205-A1	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR A1
E205-A2	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR A2
E205-A3	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR A3
E205-B1	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR B1
E205-B2	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR B2
E205-B3	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR B3
E205-C1	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR C1
E205-C2	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR C2
E205-C3	POWER & FIRE ALARM PLAN - LEVEL 5 - SECTOR C3
E206	ELECTRICAL POWER & FIRE ALARM PLAN - LEVEL 6
E206-A1	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR A1
E206-A2	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR A2
E206-A3	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR A3
E206-B1	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR B1
E206-B2	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR B2
E206-B3	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR B3
E206-C1	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR C1
E206-C2	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR C2
E206-C3	POWER & FIRE ALARM PLAN - LEVEL 6 - SECTOR C3
E207	ELECTRICAL POWER & FIRE ALARM PLAN - LEVEL 7
E207-A1	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR A1
E207-A2	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR A2
E207-A3	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR A3
E207-B1	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR B1
E207-B2	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR B2
E207-B3	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR B3
E207-C1	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR C1
E207-C2	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR C2
E207-C3	POWER & FIRE ALARM PLAN - LEVEL 7 - SECTOR C3
E305	LEVEL 5 - HVAC EQUIPMENT POWER PLAN
E306	LEVEL 6 - HVAC EQUIPMENT POWER PLAN
E307	LEVEL 7 - HVAC EQUIPMENT POWER PLAN
E308	ELECTRICAL ROOF PLAN
E309D	ELECTRICAL DEMOLITION PLAN - ROOF
E400	ELECTRICAL ENLARGED PLANS
E401	ELECTRICAL ENLARGED PLANS
E410	LIGHTING CONTROL DETAILS AND SCHEDULES
E411	ELECTRICAL DETAILS
E412	ELECTRICAL DETAILS
E510	ELECTRICAL RISER DIAGRAM - QUADRANTS A & B
E611	ELECTRICAL RISER DIAGRAM - QUADRANTS C & D
E741	4TH FLOOR PANELBOARD SCHEDULES
E751	5TH FLOOR PANELBOARD SCHEDULES
E752	5TH FLOOR PANELBOARD SCHEDULES
E753	5TH FLOOR PANELBOARD SCHEDULES
E761	6TH FLOOR PANELBOARD SCHEDULES
E762	6TH FLOOR PANELBOARD SCHEDULES
E763	6TH FLOOR PANELBOARD SCHEDULES
E771	7TH FLOOR PANELBOARD SCHEDULES
E772	7TH FLOOR PANELBOARD SCHEDULES
E773	7TH FLOOR PANELBOARD SCHEDULES
E905	LEVEL 5 - ALTERNATE #1
E906	LEVEL 6 - ALTERNATE #1
E907	LEVEL 7 - ALTERNATE #1

750 KW 833 kVA ROOFTOP DIESEL GENERATOR - LOAD SUMMARY:

ELEVATOR BRANCH (PANEL EBA):

ELEVATOR #1	15 HP	20 FLA	16.6 kVA
ELEVATOR #2	15 HP	20 FLA	16.6 kVA
ELEVATOR #3	15 HP	20 FLA	16.6 kVA
ELEVATOR #4	15 HP	20 FLA	16.6 kVA
ELEVATOR #5	20 HP	30 FLA	24.9 kVA
ELEVATOR #6	15 HP	20 FLA	16.6 kVA
ELEVATOR #7	23 HP	29.5 FLA	24.5 kVA
ELEVATOR #8	28 HP	37 FLA	30.7 kVA

FIRE PUMP BRANCH (PANEL FEA):

FIRE PUMP	125 HP	129 kVA
JOCKEY PUMP		4.1 kVA

(NOT CALCULATED IN TOTAL LOAD AS THE GENERATOR WILL SHED OPTIONAL BRANCH IF REQUIRED FOR FIRE PUMP TO OPERATE)

LIFE SAFETY BRANCH (PANEL DEH):

62 AMPS READ FROM TRANSFER SWITCH METER ON 5/9/2022	
62 AMPS x 1.25 = 77.5 AMPS (NEC 220.87)	64.4 kVA
ADDED LOAD	7.6 kVA

OPTIONAL EMERGENCY POWER BRANCH (EMERGENCY BUS DUCTS 1 & 2):

EMERGENCY BUS DUCT 1	238.7 kVA
EMERGENCY BUS DUCT 2	210.3 kVA

TOTEL EMERGENCY GENERATOR LOAD:

TOTAL	684.1 kVA (822 AMPS)

TLC ENGINEERING SOLUTIONS
201 St. Charles Avenue
Suite 4318
New Orleans, LA 70170
P 504.777.0040
EF 3319
www.tlc-engineers.com
TLC No.:721097
THINK. LISTEN. CREATE.

©Copyright 2023

multistudio
the evolution of gould evans
+
PERKINS EASTMAN

LSU-HSC MEB LABORATORY RENOVATION

1901 PERDIDO STREET
NEW ORLEANS, LA 70112

Project Number: 1321-1100

owner:
State of Louisiana - Facility Planning and Control
1201 N. Third St., Suite 7-210
Baton Rouge, LA 70802
225.342.7000
www.doa.la.gov/doa/fpc/

architects:
Multistudio
330BA Magazine Street
New Orleans, LA 70115
504.681.6303
www.multi.studio

Perkins Eastman
115 5th Ave
New York, NY 10003
212.353.7200
www.perkinseastman.com

structural engineer:
Schrenk, Endom & Flanagan Consulting Engineers,
4227 Bienville Avenue
New Orleans, LA 70119
504.482.7856
www.sefengineers.com

MEP/FP + technology engineer:
TLC Engineering Solutions
201 St. Charles Ave, Suite 4318
New Orleans, LA 70170
504.777.0040
www.tlc-engineers.com

Issue Date: 01/12/2024

Revisions

NUMBER	DESCRIPTION	DATE
1	PR-02	04/05/2024
2	ASI 002	04/05/2024

UNLESS A PROFESSIONAL SEAL WITH SIGNATURE AND DATE IS AFFIXED, THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR CONSTRUCTION, RECORDING PURPOSES OR IMPLEMENTATION.

ELECTRICAL SYMBOLS, LEGEND, NOTES AND INDEX

E001

CONSTRUCTION DOCUMENTS

PRINT DATE/TIME: 4/5/2024 9:08:43 AM