LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	VOLTS	NO. OF LAMPS	LAMP WATTS	LAMP TYPE	DESCRIPTION	REMARKS	NOTES
A	ALL GREEN LIGHTING	HB18-150E-277	277	1	150	INDUCTION	PENDANT HEAD	COORDINATE LOCATION WITH PIPING LAYOUT	***
B	AMERICAN GREENPOWER	VN41-80-277	277	1	80	INDUCTION	SURFACE	–	***
C	AMERICAN GREENPOWER	VN30-40-120	120	1	40	INDUCTION	SURFACE – BATH	–	***
WA	AMERICAN GREENPOWER	WP20-80W	277	1	80	INDUCTION	WALL PACK	INDUCTION TYPE	***
WB	AMERICAN GREENPOWER	E1202-80W	277	1	80	INDUCTION	WALL MOUNTED	–	***
X	SKYLINE	SKYU2RB	277	1	NA	LED	EXIT SIGN WITH BATTERY BACKUP	PENDANT MTD @ 1'-0" ABOVE DOOR	***

NOTES:

*** INDUCTION FIXTURES SHALL BE AVAILABLE THROUGH RESOURCE EFFICIENCY SOLUTIONS (R.E.S.) AT (813) 335-5316

APPROVED EQUALS (SUBJECT TO SHOP DRAWING REVIEW) BY LITHONIA.

LIGHTING LEGEND

- 4' FLUORESCENT INDUSTRIAL STRIP
- PENDANT DOWNLIGHT
- WALL PACK
- EXIT SIGN FIXTURE TYPE "X" BATTERY BACKUP
- SURFACE MOUNTED BOX LIGHT

ABBREVIATIONS

A	AMPERE
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CAT	CATEGORY
CB	CIRCUIT BREAKER
CH	CHILLER
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EWH	ELECTRIC WATER HEATER
EXIST, EX	EXISTING
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FACC	FIRE ALARM COMMAND CENTER
FATC	FIRE ALARM TERMINAL CABINET
FO	FIBER OPTIC
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND,G	GROUND
HOA	HAND-OFF-AUTO
HACR	HEATING/AIR CONDITIONING-RATED
HID	HIGH INTENSITY DISCHARGE
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HP	HORSEPOWER
IG	ISOLATED GROUND
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERE
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
PNL	PANEL
ø	PHASE
PB	PUSHBUTTON
PVC	POLYVINYL CHLORIDE CONDUIT
RGC	RIGID GALVANIZED STEEL CONDUIT
SW	SWITCH
SWBD	SWITCHBOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TS	TIME SWITCH
XFMR	TRANSFORMER
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UPS	UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
V	VOLT
WP	WEATHER PROOF

POWER LEGEND

- LP-1 — HOMERUN TO PANEL INDICATED (CONCEALED). MINIMUM 3/4"C. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL CONDUCTORS. FOR HOMERUNS EXCEEDING 100' IN LENGTH PROVIDE #10 CONDUCTORS IN LIEU OF #12 AS INDICATED ABOVE. THERE SHALL BE A MAXIMUM OF 3 BRANCH CIRCUITS PER HOMERUN (AS INDICATED ON PLANS). TEXT SHOWN BY HOMERUN INDICATES PANELBOARD DESIGNATION AND CIRCUIT NUMBER(S).
- CONDUIT CONCEALED IN WALL OR ABOVE CEILING SPACE. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 1/2"C.
- UNDERGROUND CONDUIT OR BELOW SLAB. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 3/4"C.
- EXISTING CONDUIT. AS INDICATED.
- —P— UNDERGROUND POWER DUCT BANK. AS INDICATED.
- —C— UNDERGROUND COMMUNICATIONS DUCT BANK. AS INDICATED.
- —OH— OVERHEAD LINE. AS INDICATED.
- MH MANHOLE. SEE SPECIFICATIONS.
- HH HAND HOLE. SEE SPECIFICATIONS.
- J CEILING OR WALL MOUNTED JUNCTION BOX. UON SIZE AS REQUIRED BY NEC.
- J FLOOR MOUNTED JUNCTION BOX. UON SIZE AS REQUIRED BY NEC.
- MOTOR. AS INDICATED.
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION AS INDICATED
- SINGLE PUSHBUTTON. UON CENTERLINE MOUNTED 48" AFF
- PP PUSH PLATE. UON CENTERLINE MOUNTED 48" AFF
- 480/277V, PANELBOARD.
- 208/120V, PANELBOARD.
- 208/120V, DISTRIBUTION PANELBOARD.
- 480/277V, DISTRIBUTION PANELBOARD.
- MISCELLANEOUS PANELBOARD. AS INDICATED.
- T DRY TYPE TRANSFORMER. AS INDICATED.
- SW2 MOTOR RATED TOGGLE SWITCH, # INDICATES POLES
- HEAVY DUTY DISCONNECT SWITCH, NON FUSIBLE. SEE SPECIFICATIONS. UON MOUNT TOP OF ENCLOSURE 66" AFF
- HEAVY DUTY FUSIBLE DISCONNECT SWITCH. FUSED AS INDICATED ON PLANS. SEE SPECIFICATIONS. UON MOUNT TOP OF ENCLOSURE 66" AFF.
- HEAVY DUTY FUSIBLE COMBINATION STARTER/DISCONNECT SWITCH. SEE SPECIFICATIONS. UON MOUNT TOP OF ENCLOSURE 66" AFF.
- MAGNETIC MOTOR STARTER. UON MOUNT TOP OF ENCLOSURE 66" AFF. SEE SPECIFICATIONS.
- V VARIABLE FREQUENCY DRIVE AS INDICATED. UON MOUNT TOP OF ENCLOSURE 72" AFF
- ENCLOSED CIRCUIT BREAKER. AS INDICATED.
- SINGLE RECEPTACLE. 20A 120V UON CENTERLINE MOUNTED 18" AFF
- DUPLEX RECEPTACLE. 20A 120V UON CENTERLINE MOUNTED 18" AFF
- DUPLEX RECEPTACLE. 20A 120V UON CENTERLINE MOUNTED 42" AFF
- 50A 1ø 240V RECEPTACLE. UON CENTERLINE MOUNTED 18" AFF
- DOUBLE DUPLEX RECEPTACLE OUTLET. 20A 120V UON CENTERLINE MOUNTED 18" AFF.
- DOUBLE DUPLEX RECEPTACLE OUTLET. 20A 120V UON CENTERLINE MOUNTED 42" AFF.
- SPECIAL RECEPTACLE, AS INDICATED. UON CENTERLINE MOUNTED 18" AFF.
- FLOOR MOUNTED DUPLEX RECEPTACLE.
- FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE.
- FLOOR MOUNTED COMBINATION (20A 120V) DUPLEX RECEPTACLE/DATA COMMUNICATION OUTLET.
- FLOOR MOUTNED COMBINATION (20A 120V) DOUBLE DUPLEX RECEPTACLE/DATA COMMUNICATION OUTLET.
- MULTI OUTLET STRIP OR POWER/DATA COMMUNICATION RACEWAY AS INDICATED.
- B B BUSWAY. SEE SPECIFICATIONS.
- DUCT HEATER. (FURNISHED UNDER DIV. 15). (WIRED UNDER DIVISION 16).

RISER SYMBOLS LEGEND

- GROUND FAULT SENSOR
- CIRCUIT BREAKER. AS INDICATED
- DRAWOUT CIRCUIT BREAKER. AS INDICATED
- STARTER / CONTACTOR
- G GENERATOR
- SWITCH
- THERMAL OVERLOAD ELEMENT
- TRANSFORMER
- FUSE
- GROUND
- C RELAY COIL, NOTED WITH TEXT
- FUSED SWITCH
- AUTOMATIC TRANSFER SWITCH
- M METER SOCKET

DRAWING SYMBOLS

- 1 / 2 3 — SECTION NUMBER; DRAWING NUMBER WHERE DRAWN; DRAWING NUMBER WHERE CUT
- # NOTES
- LIGHTING PROTECTION SYSTEM AIR TERMINAL
- LIGHTING PROTECTION SYSTEM CONDUCTOR

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SEAL

RICHARD L. HOCUTT, P.E
FL. LIC. No. 67155

Signature Date

DRAWING REVISIONS

REVISION	COMMENTS:
1	
2	
3	
4	
5	
6	

UNIVERSITY OF SOUTH FLORIDA
SOUTH EAST CHILLER PLANT
BR-590 COMPONENT #6
12225 USF MAPLE DRIVE
TAMPA, FLORIDA 33620

DRAWING TITLE :
LEGEND, ABBREVIATIONS AND GENERAL NOTES

Drawing Progress: 100% CONSTRUCTION DOCUMENTS

FILE NAME:	081106_E-1.DWG
DATE:	03-31-2009
PLOT SIZE:	NOT TO SCALE
CADDED BY:	SRN
DESIGNED BY:	SCC
CHECKED BY:	TSH

PROJECT NO.
081106

SHEET NO.
E-1
1 OF 7

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