RELEASED DATE: 2006-10-31 / MODIFIED DATE: 2006-10-31

ELECTRICAL GENERAL NOTES

1. ALL GENERAL NOTES, SYMBOL LIST & DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.
2. ALL WORK PERFORMED ON THIS CONTRACT SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE IN COMPLIANCE WITH NEC, NFPA, BOCA, OSHA, AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
3. THESE DRAWINGS ARE, IN GENERAL, MADE TO SCALE BUT ALL MEASUREMENTS SHALL BE TAKEN FROM FIGURED DIMENSIONS, AND NOT BY SCALING.
4. THE ELECTRICAL CONTRACTOR SHALL CONFER WITH ALL OTHER TRADES RELATIVE TO THE LOCATION OF APPARATUS AND EQUIPMENT AND COORDINATE LOCATIONS SO AS NOT TO CONFLICT WITH WORK OF OTHER TRADES.
5. LIGHTING FIXTURE MANUFACTURERS NAME AND MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED UNLESS NOTED OTHERWISE.
6. ALL EQUIPMENT SHOWN ON THESE DRAWINGS IS INTENDED TO BE GENERALLY REPRESENTATIVE OF THE EQUIPMENT WHICH WILL BE INSTALLED UNDER THIS CONTRACT, BUT IT SHALL NOT BE ASSUMED THAT THE DRAWINGS INDICATE THE SPECIFIC CONFIGURATION, ARRANGEMENT OR POINTS OF CONNECTION OF THE ACTUAL EQUIPMENT UNLESS NOTED OTHERWISE.
7. ALL MOUNTING HEIGHTS GIVEN IN LEGEND ARE TYPICAL, UNLESS NOTED OTHERWISE NOTED IN THE SPECIFICATION OR ON THE DRAWINGS.
8. COORDINATE WITH CONTROLS CONTRACTOR TO PROVIDE POWER FOR ALL MISCELLANEOUS CONTROL OPERATORS AND PANELS.
9. CIRCUIT BREAKERS USED FOR LIGHTING CIRCUITS SHALL BE SWITCH DUTY RATED AND APPROVED FOR USE WITH H.I.D. FIXTURES. CIRCUIT BREAKERS USED FOR HVAC AND REFRIGERATION EQUIPMENT SHALL BE "HACR" RATED.
10. ALL HOME RUNS FOR LIGHTING OR POWER CIRCUITS LONGER THAN 150 FEET SHALL BE INCREASED ONE SIZE. (IE: #12 TO #10).
11. ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS SHALL BE SIZED FOR THE O.C.D. RATING FOR THAT CIRCUIT ACCORDING TO NEC ART 310 UNLESS OTHERWISE INDICATED ON THESE DRAWINGS. IN NO CASE SHALL CONDUCTORS SMALLER THAN NO. 12 AWG BE USED FOR POWER OR LIGHTING CIRCUITS.
12. PROVIDE 3/8" NYLON ROPE IN ALL EMPTY SERVICE RACEWAYS.
13. ALL SLEEVES AND OTHER PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, CEILINGS AND ASSEMBLIES SHALL BE SEALED AFTER CABLE INSTALLATION WITH A RATED FIRE STOP/RETARDANT COMPOUND THAT MEETS OR EXCEEDS THE RATING OF THE BARRIER BEING PENETRATED.
14. ALL FLUSH MOUNTED PANELBOARDS SHALL BE PROVIDED WITH (2) 2" EMPTY CONDUITS BETWEEN PANEL & ACCESSABLE CEILING SPACES.
15. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE STOP AROUND ALL CONDUITS, CABLES AND ELECTRICAL EQUIPMENT AT ALL PARTITIONS PIERCED PER NEC 300-21 AND B.O.C.A.
16. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL SEISMIC REQUIREMENTS FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT UNDER B.O.C.A.
17. GROUNDING SHALL BE PER N.E.C. ARTICLE 250, INSTALL GROUNDING CONDUCTORS WITH ALL FEEDERS AND BRANCH CIRCUITS.
18. "NM" TYPE CABLE IS NOT ALLOWED.
19. ALL WIRING RUN TO A RECESSED PANEL SHALL NOT BE INSTALLED IN A CONDUIT SLEEVE TO THE PANEL.
20. REMOVE EQUIPMENT, FIXTURES AND DEVICES THAT ARE NOT BEING REUSED AND DISCARD. OWNER HAS THE OPTION TO KEEP ANY MATERIAL DESIRED.
21. ALL VARIABLE SPEED DRIVE, VFD, MOTORS SHALL BE RATED FOR USE WITH THE VFD DRIVE.
22. EACH VARIABLE FREQUENCY DRIVE MOTOR SHALL HAVE ITS MOTOR LEADS INSTALLED IN A DEDICATED METALLIC CONDUIT, WITH ONE SET OF MOTOR LEADS PER CONDUIT, AND RUN UNINTERRUPTED FROM THE VFD TO MOTOR. CONDUCTOR INSULATION SHALL BE TYPE XLPE.

LIGHTING SYMBOLS

SYMBOLS	DESCRIPTIONS
B1	2'x2' RECESSED FLUORESCENT FIXTURE
	LETTER DENOTES FIXTURE TYPE, SEE LIGHTING SCHEDULE FOR DETAILS, TYPICAL
J1	2'x4' RECESSED FLUORESCENT FIXTURE
J1	2'x4' RECESSED FLUORESCENT FIXTURE, (DIAGONAL LINE DENOTES FIXTURE TO BE CONNECT TO EMERGENCY POWER CIRCUIT)
F1	1'x4' FLUORESCENT FIXTURE
E1	EXTERIOR WALL MOUNT TYPE FIXTURE
V	4 FOOT VANITY FIXTURE
S	4 FOOT WALL MOUNTED FIXTURE
D	RECESSED DOWNLIGHT FIXTURE
S	WALL MTD FIXTURE
R	POLE MTD FIXTURE
Q	EXTERIOR WALL SCONCE TYPE FIXTURE
	EXIT SIGN "E" INDICATES EXISTING
BP-1	EMERGENCY LIGHTING REMOTE BATTERY PACK. NUMBER DENOTES IDENTIFICATION.
R BP-1	EMERGENCY LIGHTING DUAL REMOTE HEAD. NUMBER DENOTES BATTERY PACK TO BE CONNECTED TO.
R BP-1	EMERGENCY LIGHTING SINGLE REMOTE HEAD. NUMBER DENOTES BATTERY PACK TO BE CONNECTED TO.
BL	LOCAL EMERGENCY BATTERY PACK. CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT.
PC	PHOTO CELL
RCP-1	LIGHTING RELAY CONTROL PANEL. NUMBER DENOTES IDENTIFICATION.
E8	WATTSTOPPER JUNCTION BOX PART LS-E8 WITH LIGHTING CONTROLS AS SPECIFIED.

GENERAL ABBREVIATIONS

ABBREVIATIONS	DESCRIPTIONS
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
B.O.S.	BOTTOM OF STEEL
C	CONDUIT
CB	CIRCUIT BREAKER
℄	CENTER LINE
CLF	CURRENT LIMITING FUSE
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
DT	DISTRIBUTION TRANSFORMER
DW	DISHWASHER
DWG	DRAWING
EBB	ELECTRIC BASEBOARD HEATER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
E, EX, (E)	EXISTING EQUIPMENT (AS NOTED)
FAC	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OWNER
FC	FAN COIL
GD	GARBAGE DISPOSE
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRC	GALVANIZED RIGID STEEL CONDUIT
H	HUMIDIFIER
HD	HAND / HAIR DRYER
HH	HAND HOLE
HP	HORSEPOWER / HEAT PUMP
HPS	HIGH PRESSURE SODIUM
HRU	HEAT RECOVERY UNIT
HV	HIGH VOLTAGE
HWP	HOT WATER CIRC. PUMP
IG	ISOLATED GROUND
IR	INFRA-RED
KW	KILOWATT
KWH	KILOWATT HOUR
LIG	LONG/INSTANTANEOUS/GROUND FAULT
LTG	LIGHTING
MATV	MASTER ANTENNA TELEVISION
MB	MAIN BREAKER
MD	MAIN DISCONNECT
MDP	MAIN DISTRIBUTION PANEL
MH	MAN HOLE / METAL HALIDE
MI	MINERAL INSULATED
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MW	MICROWAVE
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE (NFPA-70)
NF	NOT FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NTU	NURSE CALL TERMINAL UNIT
OC	ON CENTER
OCD	OVER CURRENT DEVICE
PB	PULL BOX
PM	"PLUGMOLD" UTILIZED
PT	POTENTIAL TRANSFORMER
RCU	REFRIGERATION CONDENSING UNIT
RCPT	RECEPTACLE
REF	REFRIGERATOR
REQ'D	REQUIRED
RF	RETURN FAN
RGE	RANGE
RGS	RIGID GALVANIZED STEEL CONDUIT
RH	RANGE HOOD
RT	ROOF TOP MOUNTED IN A WEATHERPROOF ENCLOSURE
RTAC	ROOF TOP AIR CONDITIONER
SF	SUPPLY FAN
S/N	SOLID NEUTRAL
SOV	SOLENOID VALVE
TBD	TO BE DETERMINED
T.O.S	TOP OF STEEL
TR	TAMPER RESISTANT
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATORS
VB	X-RAY VIEW BOX
WC	WATER COOLER
WH	WATER HEATER
WP	WEATHERPROOF
WM	INSTALL WITH "WIREMOLD"
XFMR	TRANSFORMER

INTERCOM, BELL & CLOCK SYMBOLS

SYMBOLS	DESCRIPTIONS
MSC	MASTER SYNCHRONIZED CLOCK PANEL
12:00	COMMERCIAL GRADE SYNCHRONIZED DIGITAL, COMPATIBLE WITH EXISTING SYSTEM. CONNECT TO MASTER CLOCK SYSTEM.
	12" COMMERCIAL GRADE ANALOG CLOCK WITH GLASS OR CRYSTAL LENS, COMPATIBLE WITH EXISTING SYSTEM.
	CEILING MOUNT INTERCOM SPEAKER "VC" = DENOTES WITH INTEGRAL VOLUME CONTROL
	WALL MOUNT INTERCOM SPEAKER "VC" = DENOTES WITH INTEGRAL VOLUME CONTROL
VC	VOLUME CONTROL SWITCH
D	ANALOG PHONE TO MATCH EXISTING. CONNECT INTO INTERCOM SYSTEM. PROVIDE WALL BOX AND POST TYPE MOUNTING PLATE WITH JACK. WIRE PER MANUFACTURES RECOMMENDATIONS. "W" = DENOTES WALL MOUNT "D" = DENOTES DESKTOP MOUNT

PANEL & CIRCUIT SYMBOLS

SYMBOLS	DESCRIPTIONS
	ELECTRICAL PANEL, SURFACE MOUNTED
	ELECTRICAL PANEL, FLUSH MOUNTED
	HOME RUN TO CIRCUIT AND PANEL BOARD INDICATED. ARROWS INDICATE POLES,
LP1-3 (PAR)	DENOTES PARTIAL CIRCUIT DENOTES CIRCUIT NUMBER DENOTES PANEL IDENTIFICATION
T	TRANSFORMER, SIZE & TYPE AS INDICATED
J C OR J	JUNCTION BOX - SIZED IN ACCORDANCE WITH NEC "C" DESIGNATES MOUNTING IN CEILING SPACE
30NF	3 POLE DISCONNECT SWITCH, VOLTAGE AS REQUIRED "NF" = NON-FUSIBLE "30" = AMPACITY.
60 40	DISCONNECT SWITCH, 3 POLE FUSIBLE DISCONNECT SWITCH, VOLTAGE AS REQUIRED "60" = CLIP SIZE AMP RATING "40" = FUSE SIZE AMP RATING
3R	DISCONNECT SWITCH, 3 POLE, NEMA 3R RATED, WEATHERPROOF, SIZE & CONFIGURATION REQUIRED
MS	MANUAL STARTER, SIZE AS REQUIRED - FLUSH TYPE IN FINISHED AREAS.
	COMBINATION MAGNETIC STARTER - NEMA SIZE AS REQUIRED, MINIMUM SIZE 1, PROVIDE WITH H-O-A SELECTOR SWITCH AND GREEN RUN LIGHT ON COVER.
	MAGNETIC STARTER - NEMA SIZE AS REQUIRED, MINIMUM SIZE 1, PROVIDE WITH H-O-A SWITCH AND GREEN RUN LIGHT ON COVER.
VFD	VARIABLE FREQUENCY DRIVE
EF-2	HVAC EQUIPMENT, LETTERS DENOTE TYPE AS DENOTED BELOW. NUMBER DENOTES EQUIPMENT NUMBER AS SPECIFIED ON THE HVAC AND PLUMBING DRAWINGS: "CUH" CABINET UNIT HEATER "UV" UNIT VENTILATOR "BC" BLOWER COIL "CU" CONDENSER UNIT MOTOR DRIVEN EQUIPMENT, COORDINATE WITH ACTUAL EQUIPMENT FURNISHED. LETTERS DENOTE TYPE AS DENOTED BELOW. NUMBER DENOTES EQUIPMENT NUMBER, HP IS AS NOTED INSIDE THE CIRCLE: "EF" EXHAUST FAN "P" PUMP

DATA & TELEPHONE SYMBOLS

SYMBOLS	DESCRIPTIONS
TV	COAX CABLE TV OUTLET. PROVIDE JACK WITH "F" TYPE CONNECTOR AND WALL PLATE. COORDINATE HEIGHT AND LOCATION WITH ARCHITECT AND OWNER. VERIFY SOURCE WITH OWNERS REPRESENTATIVE
	EXISTING TELEPHONE OUTLETS.
	NEW TELEPHONE OUTLET. "W" INDICATES WALL MOUNT AT 54" "D" INDICATES DESKTOP. TYPICAL.
N2	CATEGORY 6 NETWORK DATA DROP(S). INCLUDE BOX, JACK(S) AND FACEPLATE. NUMBER DENOTES TOTAL NUMBER OF DROPS TO BE PROVIDED AT SPECIFIED LOCATION. "N" = ONE DROP, N2 = TWO, N3 = THREE, AND ETC. "C" = DENOTES CEILING MOUNTED
N	COMBINATION DATA/TELEPHONE/CABLE DROPS. INCLUDE BOX, JACKS AND FACEPLATE. PROVIDE COMBINATION AND QUANTITY AS SPECIFIED. NUMBER NEXT TO THE SPECIFIC SYMBOL DENOTES THE TOTAL NUMBER OF THE SPECIFIED JACK. IF NO NUMBER PRESENT ONLY ONE JACK OF THE TYPE SHOW SHALL BE INSTALLED UNLESS OTHERWISE SPECIFIED. "N1" = DENOTES NUMBER OF RJ-45 DATA JACK(S) N2 = TWO, N3 = THREE, AND ETC. = DENOTED TELEPONE RG-45 JACK "TV" = DENOTES CABLE TV TYPE "F" JACK "C" = DENOTES CEILING MOUNTED EXAMPLE SHOWN DENOTES 1-TELEPHONE, 2-DATA AND 1-TV JACK.
C	WIRELESS ACCESS POINT, APPLE AIRPORT EXTREME, POWER OVER ETHERNET, PART NO. MA073LL/A. "C" = CEILING MOUNTED
D	DIGITAL TELEPHONE PHONE TO MATCH EXISTING "W" = DENOTES WALL MOUNT "D" = DENOTES DESKTOP MOUNT
PBX	TELEPHONE SYSTEM SWITCH
RJ	CAT6 RJ45 FEMALE JACK

FIRE ALARM & LIFE SAFETY SYMBOLS

SYMBOLS	DESCRIPTIONS
FAC	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
S EL	SMOKE DETECTOR "EL" = ELEVATOR CONTROL
S	DUCT SMOKE DETECTOR - SHALL BE FROM THE SAME MANUFACTURER AS THE BUILDING FIRE ALARM SYSTEM
RTS C	REMOTE TEST STATION "C" = INDICATES CEILING MOUNTED
H 135°, 200°	HEAT DETECTOR - TEMP. AS INDICATED "HR" = COMBINATION RATE OF RISE AND FIXED TEMPERATURE (135°F, 200°F - 15°F MINUTE) "HF" = FIXED TEMPERATURE ONLY (135°, 200°) "HA" = RATE ANTICIPATION 194°F
PS	FIRE ALARM PULL STATION MTD 48" A.F.F.
SS	FIRE ALARM SPEAKER/STROBE LIGHT, MTD 80" A.F.F. (75 CANDELA)
SS	FIRE ALARM SPEAKER/STROBE LIGHT, CEILING MOUNTED (75 CANDELA)
SP	FIRE ALARM SPEAKER, MTD 80" A.F.F. (75 CANDELA)
SP	FIRE ALARM SPEAKER, CEILING MOUNTED (75 CANDELA)
HS	FIRE ALARM HORN/STROBE LIGHT, MTD 80" A.F.F. (75 CANDELA)
ST	FIRE ALARM STROBE LIGHT, MTD 80" A.F.F. (75 CANDELA)
DH	FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER, MATCH EXISTING. PROVIDE 120V FROM NEAREST NORMAL POWER PANEL IF REQUIRED.
DC	FIRE ALARM SYSTEM DOOR CLOSER
FPS	FIRE ALARM BATTERY BACK-UP POWER SUPPLY
CH	FIRE ALARM CHIME, MTD 80" A.F.F.
B	RED FIRE ALARM BELL
FAO	FIRE ALARM OUTPUT MODULE
LB	LOCK BOX
M	MASTER BOX
TS	SPRINKLER SYSTEM TAMPER SWITCH
FS	SPRINKLER SYSTEM FLOW SWITCH

SWITCHED/CONTROLS/MISCELLANEOUS SYMBOLS

SYMBOLS	DESCRIPTIONS
	SWITCHES LOCATED IN THE SAME AREA SHALL BE GANGED UNDER COMMON PLATE WHENEVER PRACTICAL. SWITCHES SHALL BE LOCATED ON STRIKE SIDE OF DOOR. MOUNT AT 48" A.F.F. TO CENTERLING OF SWITCH, UNLESS OTHERWISE NOTED. ADJUST TO MINIMIZE CUT OF BLOCK OR TILE. "E" = DENOTES EXISTING "W" = DENOTES WALL MOUNT, 48" UNLESS NOTED. "C" = DENOTES CEILING MOUNT. "o" = LETTER DENOTES SWITCH CONTROL GROUP. FOR EXAMPLE $_{o}$, $_{o}$ DENOTES TWO SWITCHING CIRCUITS FOR FIXTURES.
$	SINGLE POLE SWITCH
$2	DOUBLE POLE SWITCH
$3	THREE-WAY SWITCH
$4	FOUR-WAY SWITCH
$PL	SINGLE POLE SWITCH WITH PILOT LIGHT
$D	DIMMER SWITCH. PROVIDE WITH POSITIVE "OFF". SIZE SWITCH FOR LIGHTING LOAD SERVED.
$EM	EMERGENCY SHUTOFF SWITCH WITH RED COVER.
$K	KEY OPERATED SWITCH
$TS	DIGITAL TIMER SWITCH, WATTSTOPPER MODEL TS-400
$LV	WATTSTOPPER LOW VOLTAGE, MOMENTARY WALL SWITCH LV DESIGNATES LOW VOLAGE CONTROL, INSTALL STYLE TO MATCH EXISTING WALL SWITCHES. WIRE PER MANUFACTURES RECOMMENDATIONS.
$LVRPM1-1	SAME AS $LV EXCEPT WIRE TO LIGHTING RELAY PANEL "RPM1" AND CONNECT TO RELAY NUMBER ONE.
$LS4C	WATTSTOPPER WALL SWITCH MODEL LS-4C. WIRE PER MANUFACTURES RECOMMENDATIONS.
$OS	OCCUPANCY SENSOR SWITCH, WALLBOX-LIGHT SWITCH MOUNT PASSIVE INFRARED TYPE MOUNT, FOR USE IN OFFICES, UTILITY AND OTHER SMALL ROOMS. USE WATTSTOPPER MODEL WI-200 SERIES, INSTALL AND WIRE PER MANUFACTURER RECOMMENDATIONS.
OS1	OCCUPANCY SENSOR SWITCH, WALL OR CEILING MOUNT, DUAL TECHNOLOGY, PASSIVE INFRARED AND ULTRASONIC MOTION DETECTOR. FOR USE IN CLASS ROOMS, OPEN OFFICE SPACES AND LARGE OFFICES. USE WATTSTOPPER MODEL DT-200 SERIES, PROVIDE MOMENTARY SWITCH AND POWER SUPPLY AS REQUIRED. INSTALL AND WIRE PER MANUFACTURER RECOMMENDATIONS.
OS2	OCCUPANCY SENSOR SWITCH, CEILING MOUNT, DUAL TECHNOLOGY, PASSIVE INFRARED AND ULTRASONIC MOTION DETECTOR. FOR USE IN REST ROOMS, CLASS ROOMS, OPEN OFFICE SPACES AND LARGE OFFICES. USE WATTSTOPPER MODEL DT-300 SERIES , PROVIDE MOMENTARY SWITCH AND POWER SUPPLY AS REQUIRED. INSTALL AND WIRE PER MANUFACTURER RECOMMENDATIONS.
OS3	OCCUPANCY SENSOR SWITCH, CEILING MOUNT, ULTRASONIC MOTION DETECTOR. FOR USE IN RESTROOMS, STORAGE AREAS, HALLWAYS AND LARGE PARTITIONED OFFICES SPACES. USE WATTSTOPPER WT SERIES, PROVIDE MOMENTARY SWITCH AND POWER SUPPLY AS REQUIRED. INSTALL AND WIRE PER MANUFACTURER RECOMMENDATIONS.
PB	PUSHBUTTON
PB	PANIC BUTTON
TM	24 HOUR TIME CLOCK
TE	TEMPERATURE ELEMENT. "FIREMATIC" TYPE SAFETY SWITCH.
DMX	AUDIO SYSTEM WALL MOUNTED DMX JACK
MIC	AUDIO SYSTEM WALL MOUNTED MIC JACK.
SPK	AUDIO SYSTEM WALL MOUNTED SPEAKER JACK.

RECEPTACLE OUTLET SYMBOLS

SYMBOLS	DESCRIPTIONS
	RECEPTACLES SHALL BE MOUNTED AT 18" A.F.F. TO CENTERLING OF RECEPTACLE, UNLESS OTHERWISE NOTED. ADJUST TO MINIMIZE CUT OF BLOCK OR TILE. LETTERS OR NUMBERS NEXT TO SYMBOLS DENOTES FOLLOWING: "E" = EXISTING "C" = MOUNT IN CEILING "42" = MOUNTING HEIGHT. THIS EXAMPLES: MOUNT 42" A.F.F. "GFI" = PROVIDE GFI OUTLET. CONNECT TO "LOAD" SIDE TO PROTECT DOWNSTEAM RECEPTACLES ON SAME CIRCUIT, WHERE APPLICABLE. "WM" = PROVIDE AND INSTALL DEVICE IN "WIREMOLD", MOUNT WITH GROUND TERMINAL AT TOP. "TR" = PROVIDE TAMPER RESISTANT DEVICE "WP" = PROVIDE WEATHER PROOF TYPE "o" = CIRCUIT CONTROL GROUP. THIS EXAMPLE WIRE DEVICES DENOTES THE AN "o" TO THE SAME SWITCH OR DEVICE CONTROL CIRCUIT. "MW" = DENOTES MICROWAVE OUTLET "WC" = DENOTES WATER COOLER OUTLET "PRJ" = DENOTES PROJECTOR OUTLET "SB" = DENOTES SMART BOARD OUTLET
	SINGLE RECEPTACLE OUTLET NEMA 5-20R, HEAVY DUTY
	DUPLEX RECEPTACLE OUTLET NEMA 5-20R, HEAVY DUTY
	QUADRUPLEX RECEPTACLE OUTLET (DOUBLE DUPLEX) NEMA 5-20R, HEAVY DUTY
	DUPLEX RECEPTACLE OUTLET, EMERGENCY CIRCUIT, NEMA 5-20R, HEAVY DUTY, RED DEVICE, AND BACK PLATE
	QUADRUPLEX RECEPTACLE OUTLET (DOUBLE DUPLEX) EMERGENCY CIRCUIT, NEMA 5-20R, HEAVY DUTY, RED DEVICE, AND BACK PLATE
	SPECIAL PURPOSE RECEPTACLE OUTLET AS DESIGNATED BELOW UNLESS OTHERWISE SPECIFIED: "RGE" = RANGE OUTLET NEMA 14-50R "DRY" = DRYER OUTLET NEW 14-30R "DW" = DISHWASHER "FRZ" = FREEZER CONNECTION LETTER(S) BESIDE SYMBOL INDICATES ACTUAL EQUIPMENT SERVED.
	FLUSH MOUNT SINGLE FLOOR RECEPTACLE OUTLET WITH COVER. NEMA 5-20R
	DUPLEX FLOOR RECEPTACLE OUTLET WITH COVER. NEMA 5-20R
	SPECIAL PURPOSE FLOOR OUTLET. LETTER(S) BESIDE SYMBOL INDICATES ACTUAL EQUIPMENT SERVED.

ELECTRICAL DRAWING LIST

NUMBER	TITLE
E-1.0	ELECTRICAL - SYMBOLS, NOTES & ABBREVIATIONS
E-1.1	ELECTRICAL - DEMOLITION FLOOR PLAN
E-1.2	ELECTRICAL - POWER & SYSTEMS GROUND FLOOR PLAN
E-1.3	ELECTRICAL - LIGHTING GROUND FLOOR PLAN
E-1.4	ELECTRICAL - POWER & SYSTEMS FIRST FLOOR PLAN
E-1.5	ELECTRICAL - LIGHTING FIRST FLOOR PLAN
E-1.6	ELECTRICAL - POWER & SYSTEMS UPPER FLOOR PLAN
E-1.7	ELECTRICAL - LIGHTING UPPER FLOOR PLAN
E-1.8	ELECTRICAL - STAGE LIGHTING & SOUND SYSTEM RISER DIAGRAMS
E-1.9	ELECTRICAL - DETAILS & RISER DIAGRAMS
E-1.10	ELECTRICAL - LIGHTING DETAILS & FIXTURES SCHEDULE
E-1.11	ELECTRICAL - PANEL SCHEDULES
E-2.0	ELECTRICAL - SITE LIGHTING PLAN

ELECTRICAL ALTERNATE LIST

NUMBER	TITLE
M-1	ADD AIR CONDITIONING IN THE DRAMA ROOM
M-2	ADD AIR CONDITIONING IN THE MUSIC ROOM
M-3	ADD AIR CONDITIONING IN THE GALLERY ROOM
M-4	ADD AIR CONDITIONING IN THE GYM
M-8	ADD HUMIDIFICATION IN THE AUDITORIUM

Neill and Gunter
CAD FILE 25599E001

Scott Simons Architects
75 York Street
Portland, Maine 04101
phone 207 772 4656
fax 207 828 4656

THIS DRAWING IS THE PROPERTY OF SCOTT SIMONS ARCHITECTS AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.

PROJECT

WAYNFLETE ARTS CENTER PHASE TWO

ADDITION/ RENOVATION
360 SPRING STREET
PORTLAND, ME

TITLE

ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS

STATUS: **ISSUED FOR BIDDING**

DATE: 06.07.2007	REVISION /DATE:
SCALE: NONE	
PROJECT NO. 2003-0040.00	
DRAWN BY: RJB/PJR	2004© Scott Simons Architects

DWG NO. **E-1.0**