

LIGHTING	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)
	EMERGENCY/NIGHT LIGHT LIGHTING FIXTURE
	EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)
	BATTERY POWERED EMERGENCY LIGHT
	EMERGENCY LIGHT REMOTE HEAD
	TRACK LIGHTING
	TRACK LIGHTING HEAD
	WIRE CAGE LIGHT GUARD
	OCCUPANCY SENSOR - CEILING MOUNTED
	OCCUPANCY SENSOR - CEILING MOUNTED - CORRIDOR
	OCCUPANCY SENSOR - WALL MOUNTED
	LIGHTING CONTACTOR
	PHOTOCELL
	SWITCH
	OS OCCUPANCY SENSOR SWITCH
	D DIMMER
	D3 THREE WAY DIMMER (INCANDESCENT)
	DAYLIGHT SENSOR

FIRE ALARM SYSTEMS	
SYMBOL	DESCRIPTION
	FIRE ALARM PULL STATION
	FIRE ALARM HORN
	FIRE ALARM HORN AND STROBE COMBINATION
	FIRE ALARM HORN AND STROBE COMBINATION, WEATHERPROOF
	FIRE ALARM SPEAKER
	FIRE ALARM SPEAKER AND STROBE COMBINATION
	FIRE ALARM STROBE
	SMOKE DETECTOR
	HEAT DETECTOR
	DUCT DETECTOR
	REMOTE TEST STATION FOR DUCT DETECTOR
	FIRE ALARM SHUT DOWN RELAY
	FIRE DOOR HOLD OPEN
	AREA OF RESCUE CALL STATION
	AREA OF RESCUE MASTER TELEPHONE STATION
	FIRE DEPARTMENT LOCK BOX

WIRING AND POWER	
SYMBOL	DESCRIPTION
	SWITCH
	(NONE) SINGLE POLE TOGGLE SWITCH
	2 TWO POLE TOGGLE SWITCH
	3 THREE WAY TOGGLE SWITCH
	WP SINGLE POLE WEATHERPROOF SWITCH
	K SINGLE POLE KEYED SWITCH
	OS OCCUPANCY SENSOR SWITCH
	M MANUAL MOTOR CONTROLLER W/O OVERLOADS
	LOWER CASE LETTERS INDICATES SWITCHING DESIGNATIONS, QUANTITY OF LETTERS EQUAL QUANTITY OF GANGED SWITCHES
	SINGLE RECEPTACLE
	GFI GROUND FAULT CIRCUIT INTERRUPTER
	WP WEATHERPROOF
	IG ISOLATED GROUND
	C COUNTER HEIGHT (ABOVE COUNTER OR 42" AFF)
	DUPLEX RECEPTACLE
	GFI GROUND FAULT CIRCUIT INTERRUPTER
	WP WEATHERPROOF
	IG ISOLATED GROUND
	C COUNTER HEIGHT (ABOVE COUNTER OR 42" AFF)
	EWC ELECTRIC WATER COOLER, COORDINATE LOCATION WITH PLUMBING CONTRACTOR
	QUADRUPLEX RECEPTACLE
	GFI GROUND FAULT CIRCUIT INTERRUPTER
	WP WEATHERPROOF
	IG ISOLATED GROUND
	C COUNTER HEIGHT (ABOVE COUNTER OR 42" AFF)
	SPECIAL RECEPTACLE
	X TYPE X (SEE RECEPTACLE SCHEDULE)
	C COUNTER HEIGHT
	POWER POLE
	RECESSED FLOOR MOUNTED DUPLEX RECEPTACLE
	SURFACE-MOUNTED FLOOR DUPLEX RECEPTACLE
	CEILING-MOUNTED DUPLEX RECEPTACLE
	PLUG MOLD
	C COUNTER HEIGHT
	JUNCTION BOX
	DISCONNECT SWITCH
	DISCONNECT SWITCH - WEATHERPROOF (NEMA 3R)
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH
	HOA HAND/OFF/AUTO START/STOP
	MANUAL STARTER
	COMBINATION VARIABLE SPEED DRIVE AND DISCONNECT
	VARIABLE SPEED DRIVE
	MOTOR WITH DESIGNATOR
	TIME CLOCK
	WATER HEATER
	BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER, QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS
	BRANCH CIRCUIT WIRING, PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING INDICATED
	POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)
	MUSHROOM HEAD PUSH BUTTON (EMERGENCY STOP)
	RELAY
	TRANSFORMER
	TYPE "K" TRANSFORMER
	ELECTRIC UNIT HEATER (FURNISHED UNDER DIV 15 UNLESS NOTED OTHERWISE)

ABBREVIATIONS	
SYMBOL	DESCRIPTION
A	AMPERES
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CFL	COMPACT FLUORESCENT LAMP
CH	COUNTER HEIGHT
CONC	CONCRETE
COND	CONDUIT
CU	COPPER
DISC	DISCONNECT
ECB	ENCLOSED CIRCUIT BREAKER
ELEC	ELECTRICAL
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
ETR	EXISTING TO REMAIN
EX	EXISTING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
H.I.D.	HIGH INTENSITY DISCHARGE
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
I.G.	ISOLATED GROUND
J	JUNCTION
KAC	(THOUSAND) AMPERE INTERRUPTING CAPACITY
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LTG	LIGHTING
MCM	THOUSANDS OF CIRCULAR MILS
MCU	MASTER CONTROL UNIT
MCP	MOTOR CIRCUIT PROTECTION
MH	METAL HALIDE
N	NEUTRAL
NA	NOT APPLICABLE
NF	NON-FUSED
NL	NIGHT LIGHT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
O.C.	ON CENTER
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
P	POLE
PNL	PANELBOARD
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SPEC	SPECIFICATION
SS	STAINLESS STEEL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UNON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WIRE
WP	WEATHERPROOF

PANELS	
SYMBOL	DESCRIPTION
	NEW ELECTRICAL PANEL
	MDP MAIN DISTRIBUTION PANEL (SEE PANEL SCHEDULE)
	SPD SURGE PROTECTION DEVICE
	ATS AUTOMATIC TRANSFER SWITCH
	ELECTRICAL SYSTEMS PANEL
	SACP SECURITY ALARM CONTROL PANEL
	FACP FIRE ALARM CONTROL PANEL
	MC MASTER CLOCK CONTROL PANEL
	PA PUBLIC ADDRESS CONTROL PANEL
	FAAP FIRE ALARM ANNUNCIATOR PANEL

GENERAL NOTES	
SYMBOL	DESCRIPTION
1.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NEPA 70), AND THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE.
2.	CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.
3.	ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD-PARTY TESTING AGENCY.
BUILDING:	
4.	INSTALLATION HEIGHT OF EQUIPMENT (TO CENTERLINE) ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE SHALL BE: RECEPTACLE = 18" CLOCK = 7'-0" SWITCH = 44" MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52" MODULAR TELEPHONE JACK = 18" TELEVISION OUTLET = 84" COMPUTER OUTLET = 18" CALL SWITCH = 44" REMOTE TEST STATION FOR DUCT DETECTOR = 52" C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
5.	ALL CONDUIT AND WIRING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
6.	ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
7.	CONDUIT RUNS SHOWN ARE SCHEMATIC AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.
8.	CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL WIRING WITH THE SOURCE AND CIRCUIT AT ALL ELECTRICAL EQUIPMENT, PULL AND JUNCTION BOXES AND ELECTRICAL TERMINATIONS PROVIDED OR ASSOCIATED WITH THIS CONSTRUCTION.
9.	CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED SURFACES AND AREAS WHERE EQUIPMENT WAS REMOVED OR MODIFIED, TO MATCH EXISTING CONDITIONS.
10.	ALL ABANDONED AUDIO OR CONTROL CABLES SHALL BE REMOVED. ALL BOX OR EQUIPMENT OPENINGS SHALL BE CLOSED WITH LISTED CLOSURE DEVICE AS APPROVED BY THE EQUIPMENT MANUFACTURER.
11.	WHERE EXISTING EQUIPMENT OR MATERIALS ARE REMOVED OR CHANGED, ALL BRANCH CONDUITS WHICH NO LONGER ARE IN SERVICE, SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. IF, IN THE COURSE OF THIS WORK, OUTLETS ARE COVERED UP OR OTHERWISE RENDERED INACCESSIBLE, ALL WIRING TO SAME SHALL BE REMOVED TO THE SOURCE. IF A CIRCUIT THAT MUST REMAIN IN SERVICE IS INTERRUPTED THEREBY, IT SHALL BE RECONNECTED BY THE MOST INCONSPICUOUS MEANS SO AS TO REMAIN OPERATIONAL, WITH THE SAME CAPACITY AS BEFORE. ALL BUILDING SURFACES DAMAGED AND OPENINGS LEFT BY REMOVAL OF BOXES, PIPING OR OTHER EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. ALL HOLES LEFT IN JUNCTION BOXES, SWITCHES, PANELS, ETC. SHALL BE CLOSED.
12.	ALL REUSABLE DEVICES, FIXTURES AND EQUIPMENT SHALL BECOME THE PROPERTY OF THE OWNER. ALL OTHER SALVAGE AND DEBRIS SHALL BE REMOVED FROM THE PREMISES DAILY.
13.	THIS CONTRACTOR SHALL FURNISH AND PROVIDE ALL DEMOLITION REQUIRED TO ACCOMMODATE THIS PROJECT WHETHER INDICATED ON DRAWINGS, OR DIRECTED IN THE FIELD.
GROUNDING:	
14.	ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC. SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.
WIRING:	
15.	UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT HOME RUN SHALL BE THREE (3) #12 AWG THINWALL (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS NOTED OTHERWISE. COMBINED NEUTRALS ARE NOT PERMITTED.
EXISTING DEVICES TO REMAIN:	
16.	UNLESS OTHERWISE NOTED: a. ON DEMOLITION AND NEW WORK PLANS - DEVICES AND EQUIPMENT SHOWN IN LIGHT LINETYPE ARE EXISTING TO REMAIN. b. ON DEMOLITION PLANS - DEVICES AND EQUIPMENT SHOWN IN DARK LINETYPE ARE EXISTING TO BE REMOVED c. ON NEW WORK PLANS - DEVICES AND EQUIPMENT SHOWN IN DARK LINETYPE ARE NEW.
NOTE: SYMBOLS SHOWN ON THIS ELECTRICAL LEGEND ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.	

TELECOMMUNICATIONS	
SYMBOL	DESCRIPTION
	DATA/COMM OUTLET
	TELEVISION OUTLET
	SPEAKER
	DATA/COMM FLOOR OUTLET
	3/4" PLYWOOD TELEPHONE BACKBOARD