LEGEND

WIRING AND POWER

S• 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

S abc 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

QUADRAPLEX 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

PP POWER POLE

RECESSED FLOOR MOUNTED DUPLEX RECEPTACLE

SURFACE-MOUNTED FLOOR DUPLEX RECEPTACLE

CEILING-MOUNTED DUPLEX RECEPTACLE

PLUG MOLD

- C COUNTER HEIGHT

J JUNCTION BOX

DISCONNECT SWITCH

WP DISCONNECT SWITCH - WEATHERPROOF (NEMA 3R)

F FUSED DISCONNECT SWITCH

MAGNETIC MOTOR STARTER

COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH

- HOA HAND/OFF/AUTO
- SS START/STOP

M MANUAL STARTER

VSD COMBINATION VARIABLE SPEED DRIVE AND DISCONNECT

VSD VARIABLE SPEED DRIVE

EF-1 MOTOR WITH DESIGNATOR

TC TIME CLOCK

WH WATER HEATER

HVP1-6 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)

R RELAY

GROUND ROD

T TRANSFORMER

T K TYPE "K" TRANSFORMER

UH ELECTRIC UNIT HEATER (FURNISHED UNDER DIV 15 UNLESS NOTED OTHERWISE)

PANELS

XXX NEW ELECTRICAL PANEL

- MDP MAIN DISTRIBUTION PANEL (SEE PANEL SCHEDULE)
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION

ATS AUTOMATIC TRANSFER SWITCH

XXX 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

LIGHTING

XX 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

TK TRACK LIGHTING

TRACK LIGHTING HEAD

WG WIRE CAGE LIGHT GUARD

OS OCCUPANCY SENSOR - CEILING MOUNTED

OSC OCCUPANCY SENSOR - CEILING MOUNTED - CORRIDOR

OSW OCCUPANCY SENSOR - WALL MOUNTED

LC LIGHTING CONTACTOR

PC PHOTOCELL

S• SWITCH

- OS OCCUPANCY SENSOR SWITCH
- D DIMMER
- D3 THREE WAY DIMMER (INCANDESCENT)

TELECOM/SYSTEMS

DATA/COMM OUTLET

TV TELVISION OUTLET

SPEAKER

V VOLUME CONTROL

CAMERA

TELEPHONE OUTLET

FIRE ALARM SYSTEM

S SMOKE DETECTOR

S CO SMOKE/CARBON MONOXIDE DETECTOR

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL LEGEND ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

ABBREVIATIONS

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
EMT	-	ELECTRICAL METALLIC TUBING
EF	-	EXHAUST FAN
EWC	-	ELECTRIC WATER COOLER
ETR	-	EXISTING TO REMAIN
EX	-	EXISTING
FA	-	FIRE ALARM
FACP	-	FIRE ALARM CONTROL PANEL
FPL	-	FLORIDA POWER AND LIGHT
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
KAIC	-	(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 ELECTRICAL 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
RM	-	ROOM
RGS	-	RIGID GALVANIZED STEEL
SPEC	-	SPECIFICATION
SS	-	STAINLESS STEEL
TVSS	-	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	-	TYPICAL
UON	-	UNLESS OTHERWISE NOTED
V	-	VOLTS
W	-	WIRE
WP	-	WEATHERPROOF

GENERAL NOTES

1) ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AND STATE OF FLORIDA.

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'-6"
SWITCH = 44"
MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
MODULAR TELEPHONE JACK = 18"
AUDIO/VISUAL FIRE ALARM INDICATORS = 80"
FIRE ALARM PULL STATIONS = 50"
TELEVISION OUTLET = 18"
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 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.

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.

GROUNDING:

9) 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:

10) UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT HOME RUN SHALL BE THREE (3) #12 AWG THHN/THWN (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.

11) THE USE OF ELECTRICAL 'NM' CABLE WIRING IS ACCEPTABLE WHERE ALLOWED BY CODE AND THE AUTHORITY HAVING JURISDICTION.

BLAKE L. SUDDETH LICENSE No. 69060 STATE OF FLORIDA PROFESSIONAL ENGINEER

Blake Suddeth
Jan 17 2018 2:35 PM

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	1/18/2018	ISSUE FOR PERMIT

REVISION HISTORY

No.	Date	Description

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SUMMER BAY APTS. II
LAKE COUNTY, FL

Drawn:	MJR/KCM
Checked:	BLS/AJB
Approval:	BLS/AJB
Date:	11/10/2017
Project #:	5389

SYMBOL LEGEND AND GENERAL NOTES

E0.01

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