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"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 605 of Florida Statutes."

100% PERMIT DOCUMENTS

E0.1

ELECTRICAL LEGEND

WIRING DEVICES - REFER TO THE SPECIFICATIONS

NOTE: ALL DEVICES SHALL BE WHITE IN COLOR. RECEPTACLES SHALL BE VERTICALLY MOUNTED WITH THE GROUND PIN HOLE LOCATED AT THE "TWELVE O'CLOCK" (TOP OF DEVICE) POSITION U.N.O.

NOTE: THE FOLLOWING ABBREVIATIONS APPLY TO WIRING DEVICES WHERE INDICATED:

- "H" INDICATES HORIZONTALLY MOUNTED WIRING DEVICE.
- "WP" INDICATES WEATHERPROOF FULLY GASKETED CAST ALUMINUM BACKBOX, IMC RACEWAY WITH THREADED FITTINGS AND UL WET LABELED "IN-USE" COVER. PROVIDE INTERMATIC DIE-CAST WP1010MC SERIES WEATHERPROOF COVER.
- "RECKT" INDICATES TO RECONNECT AN EXISTING DEVICE TO NEW CIRCUIT.

- DUPLEX RECEPTACLE, 20 AMP, HEAVY DUTY, RECESS MOUNT 18" AFF TO CENTER OF BACKBOX U.N.O.
- DUPLEX RECEPTACLE, 20 AMP, HEAVY DUTY, RECESS MOUNT ABOVE COUNTER, CASEWORK, ETC. OR AT HEIGHT INDICATED. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND/OR EXISTING CONDITIONS PRIOR TO ROUGH-IN.
- GFCI TYPE DUPLEX RECEPTACLE, 20 AMP, HEAVY DUTY, RECESS MOUNT 18" AFF TO CENTER OF BACKBOX U.N.O.
- GFCI TYPE DUPLEX RECEPTACLE, 20 AMP, HEAVY DUTY, RECESS MOUNT ABOVE SINK, COUNTER, CASEWORK, ETC. OR AT HEIGHT INDICATED. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND/OR EXISTING CONDITIONS PRIOR TO ROUGH-IN.
- DOUBLE DUPLEX RECEPTACLE WITH COMMON COVER PLATE, 20 AMP, HEAVY DUTY, RECESS MOUNT 18" AFF TO CENTER OF BACKBOX U.N.O.
- DOUBLE DUPLEX RECEPTACLE WITH COMMON COVER PLATE, 20 AMP, HEAVY DUTY, RECESS MOUNT ABOVE COUNTER, CASEWORK, ETC. OR AT HEIGHT INDICATED. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND/OR EXISTING CONDITIONS PRIOR TO ROUGH-IN.

LIGHTING SWITCHES

- DUAL TECHNOLOGY OCCUPANCY SENSOR WALL SWITCH. ULTRASONIC AND PASSIVE INFRARED DETECTION. BUTTON FOR MANUAL "ON" AND MANUAL "OFF". AUTOMATIC AND SELECTABLE FIXED TIME-OUT: 2:77V/120V. LINE VOLTAGE OPERATION. DEVICE WITH SMOOTH PLASTIC DECORA FACEPLATE. RECESS MOUNT 48" AFF TO CENTER OF BACKBOX OR AS NOTED.

"3" INDICATES TWO DEVICES WIRED IN PARALLEL FOR 3-WAY OPERATION.

POWER DISTRIBUTION

- PANELBOARD, REFER TO THE "PANELBOARD SCHEDULE"
- DISCONNECT SWITCH. PROVIDE GENERALLY DUTY, NON-FUSED, NEMA-1 SWITCH OR NEMA-3R WEATHERPROOF ENCLOSURE FOR DAMP AND WET LOCATIONS. REFER TO PLANS FOR RATINGS AND ADDITIONAL REQUIREMENTS.
- JUNCTION BOX FOR POWER DISTRIBUTION

PLUG CONTROL

RECEPTACLES MARKED "PLUG CONTROL" SHALL BE CONTROLLED BY WALL SENSOR FOR PLUG CONTROL REQUIRED BY THE FLORIDA ENERGY CODE. IF A SINGLE CIRCUIT SERVES UNCONTROLLED AND CONTROLLED RECEPTACLES, SPLIT THE CIRCUIT TO CONNECT THE CONTROLLED RECEPTACLES VIA THE SENSOR.

ROUTE RECEPTACLE CIRCUIT VIA POWER PACK RELAY. CONNECT OCCUPANCY SENSOR TO POWER PACK WITH LOW VOLTAGE CABLE RECOMMENDED BY THE MANUFACTURER.

- OCCUPANCY SENSOR. HUBBEL LHMTS OR EQUAL. RECESS MOUNT 48" AFF.
- POWER PACK. HUBBEL LVPP OR EQUAL.

COMMUNICATIONS

NOTES: ALL DEVICES TO BE WHITE IN COLOR. THE FOLLOWING ABBREVIATIONS APPLY TO COMMUNICATIONS OUTLETS WHERE INDICATED:

- TELEVISION OUTLET. RECESS MOUNT AT HEIGHT INDICATED TO CENTER OF BACKBOX U.N.O. PROVIDE 1-GANG BACKBOX WITH SINGLE GANG OPENING AND (1) 1" CONDUIT WITH BUSHINGS INTO AN ACCESSIBLE CEILING SPACE.
- COMMUNICATIONS OUTLET WITH TELEPHONE AND DATA SERVICES. RECESS MOUNT 18" AFF OR AT HEIGHT INDICATED. PROVIDE 1-GANG BACKBOX AND (1) 1" CONDUIT WITH BUSHINGS INTO AN ACCESSIBLE CEILING SPACE OR BELOW SLAB TO STUB UP IN IT CLOSET. WIRING, COVERPLATES AND TERMINATIONS BY OWNER. PROVIDE CONDUIT SHOWN FROM IT CLOSET TO FLOOR BOXES OR TO ACCESSIBLE CEILING SPACE FOR HOMERUNS.

"TRENCH" NOTE:
"TRENCH" INDICATES TO CUT AND PATCH THE CONCRETE SLAB FOR POWER AND DATA CONDUIT INSTALLATION. HOMERUNS FOR POWER AS REQUIRED.
TRENCH SHALL BE THE WIDTH REQUIRED FOR ALL CONDUITS IN THE TRENCH INCLUDING MINIMUM 6" SEPARATION BETWEEN POWER AND DATA CONDUITS. WIDTH SHOWN DOES NOT REFLECT THE WIDTH OF THE TRENCH THAT MAY BE REQUIRED.

ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	MCA	MINIMUM CIRCUIT AMPS
1PH	SINGLE-PHASE	MCB	MAIN CIRCUIT BREAKER
3PH	THREE-PHASE	MDP	MAIN DISTRIBUTION PANEL
A OR AMP	AMPERE	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	MOCP	MAXIMUM OVER CURRENT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	NEC	NATIONAL ELECTRICAL CODE
AMP	AMPERE	[N]	NEW
AWG	AMERICAN WIRE GAUGE	[NL]	NEW LOCATION OF EXISTING
CB	CIRCUIT BREAKER	PH	PHASE
CKT	CIRCUIT	PNL	PANEL
CLG	CEILING (TYPICALLY CEILING MOUNTED)	[R]	EXISTING TO BE REMOVED
CM	CONSTRUCTION MANAGER	[RL]	EXISTING TO BE RELOCATED
CU	COPPER	[RP]	EXISTING TO BE REPLACED
EOPT	EQUIPMENT	RMC	RIGID METAL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	SPD	SURGE PROTECTION DEVICE TO BE DETERMINED
[E]	EXISTING TO REMAIN	TYP	TYPICAL
FA	FIRE ALARM	UN OR UNO	UNLESS OTHERWISE NOTED
FACP	FIRE ALARM CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY
FLA	FULL LOAD AMPS	V	VOLTS
GC	GENERAL CONTRACTOR	VA	VOLT AMPERE
G OR GRD	GROUND	VFD	VARIABLE FREQUENCY DRIVE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF, FULLY GASKETED ALUMINUM BACKBOX WITH IMC RACEWAY AND THREADED FITTINGS. PROVIDE COMPONENTS WITH U.L. WET LABEL
HP	HORSE POWER	XFMR	TRANSFORMER
J-BOX	JUNCTION BOX		
KVA	KILOVOLT AMPERE		
kW	KILOWATT		
kWh	KILOWATT HOUR		
LC	LOAD CENTER		
LED	LIGHT EMITTING DIODE		
LFCM	LIQUID TIGHT FLEXIBLE METAL CONDUIT		

GENERAL NOTES ELECTRICAL	GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS.
1. DO NOT SCALE FROM THESE DRAWINGS.	
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE 2014 AND THE FLORIDA BUILDING CODE 2014.	
3. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES TO ASSURE PROPER CLEARANCES FOR EQUIPMENT AND TO KEEP THE JOB PROGRESSING.	
4. REFER TO MECHANICAL DRAWINGS FOR INTERLOCKING REQUIREMENTS OF MECHANICAL EQUIPMENT (MOTORS, FANS, PUMPS, ETC.). INSTALL ANY ELECTRICAL EQUIPMENT (STARTERS, RELAYS, VFD'S, ETC.) FURNISHED BY DIVISION 23.	
5. ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTIVE CEILING PLANS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS.	
6. REFERENCE MECHANICAL DRAWINGS FOR ALL MECHANICAL EQUIPMENT NEEDING ELECTRICAL CONNECTIONS. MAKE ALL CONNECTIONS AND PROVIDE APPROPRIATE WIRE CONDUIT AND OVERCURRENT PROTECTION FOR ALL EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.	
7. ALL CIRCUIT BREAKERS SERVING AIR-CONDITIONING AND REFRIGERATION EQUIPMENT SHALL BE "LISTED HACR" TYPE.	
8. PROVIDE EXIT SIGNAGE AT ALL EXITS AND AS REQUIRED.	
9. ALL EXTERIOR WIRING DEVICES TO BE WEATHERPROOF AND SHALL BE G.F.I. TYPE.	
10. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC IN NATURE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NEC AND FOR COORDINATION WITH OTHER DISCIPLINES.	
11. VERIFY ANY EXISTING CIRCUITS AND DEVICES TO REMAIN. IF A NEW CIRCUIT IS SHOWN AT AN EXISTING CIRCUIT BREAKER TO REMAIN, RELOCATE THE NEW CIRCUIT TO ANOTHER SPARE CIRCUIT BREAKER. IDENTIFY ALL CIRCUITS THAT ARE AVAILABLE PRIOR TO LANDING ANY NEW CIRCUITS.	
12. COORDINATE ALL LOCATIONS OF RECEPTACLES AND SYSTEMS OUTLETS WITH ALL CASEWORK.	
13. FOR 120 VOLT BRANCH CIRCUITS, PROVIDE #12AWG CONDUCTORS + #12AWG EQUIPMENT GROUNDS IN 3/4" CONDUIT UNLESS OTHERWISE NOTED. PROVIDE #10AWG COPPER CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET.	
14. ALL FREE-WIRED CABLING SHALL BE PLENUM-RATED UNLESS OTHERWISE NOTED.	
15. STAGGER ALL WIRING DEVICES (AND COMMUNICATION BOXES) IN WALLS. NO DEVICES WILL BE PERMITTED TO BE INSTALLED BACK-TO-BACK.	
16. SURFACE MOUNTED RACEWAYS ARE PERMITTED ONLY WHEN THERE IS NO OTHER WAY TO FEED A DEVICE.	
17. PROVIDE 3/4" EMT OR SCHED 40 PVC BELOW GRADE FOR ALL HOMERUNS. MC CABLE MAY BE USED TO FEED DEVICES OR FISHED IN WALLS.	
18. THE ELECTRICAL ENGINEER OF RECORD WILL NOT RELEASE CAD DRAWINGS OF ANY TYPE TO THE ELECTRICAL SUBCONTRACTOR, FIRE ALARM CONTRACTOR, OR OTHER CONTRACTORS, ETC.	

PROPOSED LIGHTING FIXTURE TYPES SCHEDULE							
FIXTURE TYPE	FIXTURE DESCRIPTION	MANUFACTURER/ CATALOG NUMBER	VOLTS	LAMP INFORMATION		TOTAL INPUT WATTS	SEE SCHEDULE NOTE
				QTY	TYPE		
A	LED 2X2 VOLUMETRIC, GRID CEILINGS	LITHONIA 2BLT2-40L-ADP-EZ1-LP840	UNV @ 120	LED	LED 4000K 4,000 LUMEN	36W	
B	LED 2X2 VOLUMETRIC, DRYWALL CEILINGS	LITHONIA 2BLT2-40L-ADP-EZ1-LP840-DGA22	UNV @ 120	LED	LED 4000K 4,000 LUMEN	36W	
C	LED STRIP SURFACE MOUNT	LITHONIA ZL1N-L46-FST-MVOLT-40K80CRI-WH	UNV @ 120	LED	LED 4000K 3000 LUMEN	33W	1
D	LED 1X4 SURFACE MOUNT	LITHONIA STL4-48L-EZ1	UNV @ 120	LED	LED 4000K 4800 LUMEN	45W	
G	LED 4" LINEAR SUSPENDED DIRECT/INDIRECT, CONTINUOUS OCTAGON SHAPE, AIRCRAFT CABLE SUSPENSION FROM BEAMS AT ELBOWS	FINELIGHT FSM48S-FLFL-375D-1000UP-40K-1C-120-LD1-C48-WH-LENGTH-OCTAGON	UNV @ 120	LED	LED 4000K 375 LUMEN DOWN 1,000 LUMEN UP	15.5W PER FOOT	3
G/EL	LED 4" LINEAR SUSPENDED DIRECT/INDIRECT, CONTINUOUS OCTAGON SHAPE, AIRCRAFT CABLE SUSPENSION FROM BEAMS AT ELBOWS EMERGENCY BATTERY IN SECTIONS INDICATED	FINELIGHT FSM48S-FLFL-375D-1000UP-40K-1C-120-LD1-C48-(EM)-WH-LENGTH-OCTAGON	UNV @ 120	LED	LED 4000K 375 LUMEN DOWN 1,000 LUMEN UP	15.5W PER FOOT	3
X1	EXIT SIGN, SINGLEFACE WITH RED LETTERS AND BATTERY PACK, ARROW AS INDICATED OR REQUIRED, UNIVERSAL MOUNT	LITHONIA LOM-SW3R-120/277-ELN	UNV @ 120	LED	AS FACTORY INSTALLED	11W	2
XEL	EXIT SIGN / EMERGENCY LIGHTING COMBO WITH RED LETTERS AND BATTERY PACK, ARROW AS INDICATED OR REQUIRED, UNIVERSAL MOUNT	LITHONIA LH0M-LED-RED	UNV @ 120	LED	AS FACTORY INSTALLED	2W	2

FIXTURE SCHEDULE NOTES
1. WALL MOUNT 7'-6" AFF
2. CONNECT BATTERY PACK TO LIGHTING CIRCUIT SERVING AREA, AHEAD OF ANY SWITCHING OR CONTROL.
3. OCTAGON LED DIRECT / INDIRECT FIXTURE SHALL HAVE SECTION LENGTHS AS DETERMINED BY LAYOUT SHOWN. PROVIDE ELBOWS AT CHANGE OF DIRECTION TO MAKE A CONTINUOUS OCTAGON SHAPE. FIXTURE SHALL BE SUSPENDED AT THE ELBOWS WITH AIRCRAFT CABLE 30" BELOW THE SLOPED CEILING AT THAT POINT OF THE CEILING. PROVIDE A STRAIGHT CORD FEED AT ONE LOCATION. SECTIONS INDICATED SHALL HAVE EMERGENCY LIGHTING BATTERY PACK.