

GENERAL ELECTRICAL NOTES

- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL EQUIPMENT.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE NFPA-70 (2008), THE LIFE SAFETY CODE NFPA-101 (2009), THE NATIONAL FIRE ALARM CODE NFPA-72 (2002), AND THE FLORIDA BUILDING CODE (FBC 2010).
- MINIMUM WIRE SIZE SHALL BE #12 AWG, EXCLUDING CONTROL WIRING. UNLESS OTHERWISE NOTED ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
- OUTLET BOXES SHALL BE SHEET STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES AS REQUIRED FOR OTHER CLASSIFIED AREAS.
- DISCONNECT SWITCHES SHALL BE HP, RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK, WITH ENCLOSURES AS REQUIRED BY EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM, AND FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE NEC.
- ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERABLE, AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEM AS PER MANUFACTURERS RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY AIR CONDITIONING CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.
- ALL RACEWAYS UNDERGROUND SHALL BE A MINIMUM OF 3/4" CONDUIT.
- ALL CIRCUIT BREAKERS, TWO AND THREE POLE, TO BE COMMON TRIP. NO TIE HANDLES, OR TANDEMS WILL BE ACCEPTED.
- ALL FUSES, UNLESS NOTED ON DRAWING, SHALL BE CURRENT LIMITING (CL), RATED FOR 200,000 AIC.
- ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, AS LISTED BY THE MANUFACTURER, AND APPROVED BY UL (OR ENEC, OR IEC, WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL).
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON SITE, A DETAILED AS-BUILT DRAWING OF THE ELECTRICAL INSTALLATION. THE CONTRACTOR IS TO PROVIDE A NEATLY DRAWN COMPREHENSIVE AS-BUILT SET OF PLANS UPON COMPLETION, WHICH ARE SUITABLE FOR SUBMISSION TO THE BUILDING DEPARTMENT AND THE OWNER.
- METAL CLAD (MC) CABLES MAY BE USED FOR 30 AMP AND SMALLER BRANCH CIRCUITS ONLY, EXCLUDING HOMERUNS. ALL OTHER CIRCUITS AND ALL HOMERUNS ARE TO BE IN CONDUIT.

LIGHTING POWER COMPLIANCE

(PER TABLE 13-415.2.B, FBC CHAPTER 13)

SPACE TYPE	TOTAL AREA (SQ.FT.)	ALLOWANCE PER SQ.FT.	SUB-TOTAL ALLOWANCE	DESIGN
SALES AREA	1530	1.7	2601	1288
OFFICE	514	1.1	565	460
RESTROOMS	148	0.9	133	186
CORRIDORS	68	0.5	34	62
TOTALS			3,333	2,996

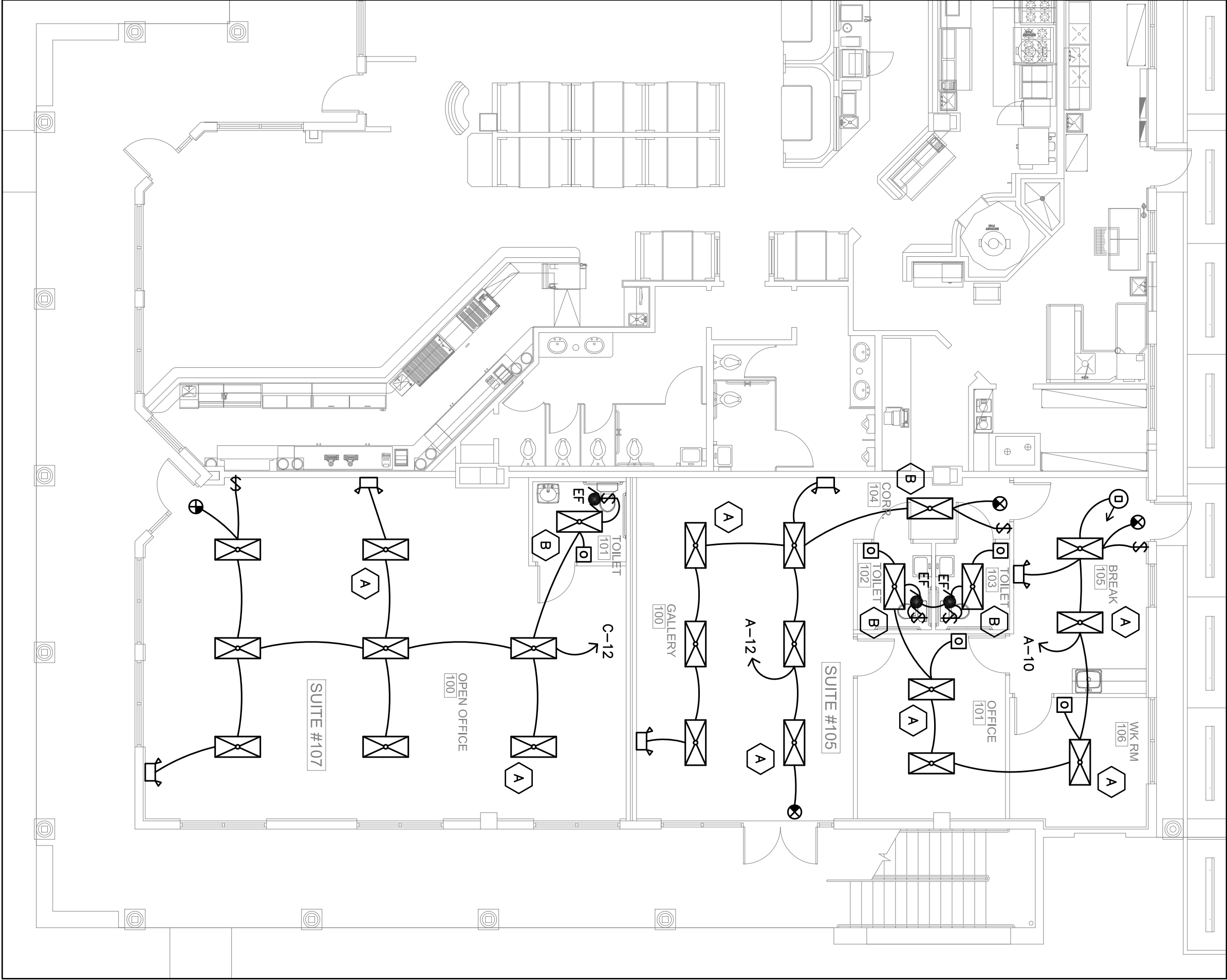
ALL OCCUPANCY SENSORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE POWER PACKS, RELAYS, AND ANY OTHER ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AS SHOWN. MINIMUM ELECTRICAL SYSTEM SHALL BE 120/208V, 120 OR 277 VOLT SYSTEMS WHERE INDICATED.

ALL LIGHTING FIXTURES IN EACH ROOM ARE TO BE CONTROLLED BY ALL OCCUPANCY SENSORS IN THE ROOM UNLESS SPECIFICALLY INDICATED OTHERWISE. THE CONTRACTOR IS TO SET ALL OCCUPANCY SENSORS TO THE MAXIMUM ALLOWABLE "ON" TIME.

LIGHTING FIXTURE SCHEDULE

MARK	TYPE	MOUNT	LAMP	VOLT	MANUFACTURER	CATALOG	WATTAGE	NOTES
A	LEDDED TROFFER	RECESSED	(3)P32 18/25K	120	COLUMBIA	JTB24-130G-TS-A12-125-38PU	92	
B	LEDDED TROFFER	RECESSED	(2)P32 18/25K	120	COLUMBIA	JTB24-232G-TS-A12-125-EPD	62	
C	INCANDESCENT DOWNLIGHT	RECESSED	60WPAR38	120	PRESCOULITE	79X-4M60PAR38-51832	60	3
	EXIT LIGHT	SURFACE	BY MFR.		DUAL LITE	LXJWME		1,2
	EMERGENCY LIGHTING	SURFACE	BY MFR.		DUAL LITE	LZZ		2

- CONNECT FIXTURES TO UNSWITCHED HOT LEG OF LOCAL LIGHTING CIRCUIT.
- WITH BATTERY/INVERTER BACKUP FOR 90 MINUTES IN ACCORDANCE WITH NFPA REQUIREMENTS. CONNECT FIXTURES TO UNSWITCHED HOT LEG OF LOCAL LIGHTING CIRCUIT.
- PROVIDE ADD ALTERNATE PRICE FOR GALLERY LIGHTING. SEE ARCHITECTS PLAN FOR DETAILS.



PROPOSED LIGHTING FLOOR PLAN

SCALE: 1/8" = 1'-0"

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PROJECT 12-024

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PROJECT NUMBER MP03

REVISIONS

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DRAWN BY GDR

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