



1 POWER FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- FOR ALL HOME RUNS (FROM UNITS) 100 FT OR MORE, THE ELECTRICAL CONTRACTOR HAS TO CHECK THE VOLTAGE DROP AND SELECT THE SUITABLE CABLES SIZE TO COMPLY WITH THE MAXIMUM ALLOWED VOLTAGE DROP FOR THE FEEDER CONDUCTORS (3%). THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CIRCUIT CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.
- CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)
- ELECTRICAL ROOM TO HAVE PANIC HARDWARE INSTALLED AND DOOR SHALL SWING IN THE DIRECTION OF EGRESS. COMPLY WITH THE 2020 NEC, ARTICLE 110.26 (C)(5).
- ALL GFCI RECEPTACLES SHALL NOT BE HIDDEN OR OBSTRUCTED PER THE 2020 NEC, INCLUDE THE FOOD PREP AREA.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF ALL FLOOR OUTLETS WITH THE FURNITURE/ ARCH. PRIOR TO INSTALLING.
- CONTRACTOR SHOULD VERIFY EXACT LOCATION, BREAKER SIZES, CABLE SIZES, HP, ETC FOR ALL ELECTRICAL EQUIPMENT WITH KITCHEN SUPPLIER PRIOR TO INSTALLATION.
- PROVIDE TAMPER RESISTANT RECEPTACLES FOR THE BREAKFAST ROOM, LOBBY, FITNESS ROOM, AND OTHER ASSEMBLY AREAS ACCESSIBLE TO THE PUBLIC (NEC 406.12).
- CONTRACTOR SHALL VERIFY ALL OF THE ELECTRICAL REQUIREMENTS WITH ELEVATOR SUPPLIER/ MANUFACTURER PRIOR TO INSTALLATION.
- SPACE ALLOCATIONS FOR MATERIALS, EQUIPMENT AND DEVICES HAVE BEEN MADE ON THE BASIS OF PRESENT AND KNOWN FUTURE REQUIREMENTS AND THE DIMENSIONS OF ITEMS OF EQUIPMENT OR DEVICES OF A PARTICULAR MANUFACTURER. THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, EQUIPMENT AND DEVICES PROPOSED FOR USE ON THIS PROJECT ARE WITHIN THE CONSTRAINTS OF THE ALLOCATED SPACE.
- HOMERUNS SHALL BE COMBINED WHERE POSSIBLE IN ACCORDING TO NFPA 70.
- HOMERUN CIRCUITS FOR ISOLATED GROUND RECEPTACLES SHALL BE SEPARATED FROM OTHER CIRCUITS. EACH CIRCUIT SHALL HAVE ITS OWN NEUTRAL CONDUCTOR AND EACH HOMERUN SHALL CONTAIN AN ISOLATED AND EQUIPMENT GROUND CONDUCTOR.
- COORDINATE THE LOCATION AND INSTALLATION DETAIL OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS (WALL ELEVATIONS, MILLWORK DETAILS, ETC.) AND WITH MILLWORK MANUFACTURER PRIOR TO ELECTRICAL ROUGH-IN.
- WALL AND FLOOR MOUNTED POWER RECEPTACLES SHOWN NEAR DATA OUTLETS SHALL BE LOCATED WITHIN SIX (6) INCHES OF THE DATA OUTLET. LOCATE AT SAME MOUNTING HEIGHT UNLESS NOTED OTHERWISE.
- ALL GFCI RECEPTACLES SHALL BE CONNECTED SO THAT ALL DEVICES ON THE SAME CIRCUIT AS THE GFCI RECEPTACLE DO NOT DE-ENERGIZE UPON TRIPPING. ALL GFCI RECEPTACLES SHALL INCLUDE A LOCK-OUT FUNCTION TO PROTECT AGAINST THE USE OF DISWIRED DEVICES OR DEVICES THAT HAVE BEEN DAMAGED DUE TO DISABLING SURGES.
- ELECTRICAL CONTRACTORS MUST VERIFY ALL ELECTRICAL REQUIREMENTS WITH THE HVAC AND PLUMBING SYSTEMS TO PROVIDE ALL NECESSARY ACCESSORIES TO COMPLETE THE CONTROL WIRING FOR THE MOTORS.
- THE CONTRACTOR SHALL VERIFY WITH THE OWNER FOR THE APPROVED BRANDS/ MODELS/ QUANTITY & LOCATION OF THE LOW VOLTAGE SYSTEM DEVICES (CAMERA, CARD READER, WIRELESS ACCESS POINT, INTERCOM, ETC.) AND PROVIDE ALL NECESSARY ACCESSORIES TO COMPLETE THE WIRING, POWER SUPPLY FOR THE DEVICES AS PER THE MANUFACTURER SPECIFICATIONS/ INSTALLATION GUIDELINES.

KEY NOTES:

- LOCATE IN PIT FOR SUMP PUMP.
- RECEPTACLE OUTLETS FOR MAINTENANCE ABOVE CEILING.
- TELEPHONE BOARD. VERIFY LOCATION WITH ELV CONTRACTOR PRIOR TO INSTALLATION.
- SECURITY BOARD. VERIFY LOCATION WITH ELV CONTRACTOR PRIOR TO INSTALLATION.
- CABLE TV BOARD. VERIFY LOCATION WITH ELV CONTRACTOR PRIOR TO INSTALLATION.
- FIELD LOCATE FOR DOOR MOTOR
- FIRE ALARM CONTROL PANEL (FACP). VERIFY LOCATION OF FACP WITH FIRE MARSHAL PRIOR TO INSTALLATION
- HOUSE PHONE THAT RING 911 AD LOCAL CALLS
- RECEPTACLE OUTLET FOR PRINTER/PHOTOCOPIER
- PROVIDE POWER CONNECTION TO RECEPTACLES IN TABLE USING FLEXIBLE CONDUIT
- PROVIDE RECEPTACLE AND DATA FOR MONITOR. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER/ARCHITECTS ELEVATIONS.
- PROVIDE POWER CONNECTION TO INTEGRATED POWER AND WIRELESS CHARGING STATION
- METER FOR FIRE PUMP. VERIFY REQUIREMENTS, LOCATION ON SITE WITH UTILITY PRIOR TO INSTALLATION.
- POWER FOR BOOSTER PUMP CONTROLLER. VERIFY LOCATION WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
- J-BOX FOR MOTORIZED DAMPER. VERIFY LOCATION WITH MECHANICAL PLAN PRIOR TO INSTALLATION
- DISCONNECT SHALL NOT BE HIDDEN OR OBSTRUCTED. VERIFY LOCATION WITH LAUNDRY SUPPLIER PRIOR TO INSTALLATION.
- JUNCTION FOR POOL LIFT. VERIFY LOCATION WITH POOL CONTRACTOR PRIOR TO INSTALLATION.
- OUTLETS FOR TELEVISION. VERIFY LOCATION AND ELEVATION WITH ARCHITECTURAL PLAN PRIOR TO INSTALLATION.
- J-BOX FOR WATER SOFTENER. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
- J-BOX FOR CENTRAL CONTROL POINT FOR COMMUNICATION SYSTEM.
- RECEPTACLES FOR GAS WATER HEATERS. VERIFY LOCATION WITH PLUMBING PRIOR TO INSTALLATION.
- EMERGENCY SHUT-OFF BUTTON FOR BBQ GRILLS. VERIFY LOCATION WITH ARCHITECTURAL PLAN/I/D PRIOR TO INSTALLATION.

NOTE FOR FIRE SMOKE DAMPER:

- CONTRACTOR SHALL PROVIDE JUNCTION BOXES FOR FIRE SMOKE DAMPERS AT 1ST FLOOR, CONNECT TO L1C-20, USING 2#12, 1/2".

GENERAL NOTES FOR POOL:

- ANY OUTLETS WITHIN 5' OF WATER SOURCE (IN OR OUTSIDE OF THE BUILDING) TO BE GFCI TYPE.
- SWIMMING POOL CONTRACTOR SHALL INSTALL ALL ELECTRICAL DEVICES/EQUIPMENTS AND ASSOCIATED WIRING IN ACCORDANCE WITH ARTICLE 680 (NEC 2020).
- POOL DESIGN WILL BE SEPARATELY PERMITTED, AND SUBMITTED BY THE POOL CONTRACTOR.
- ELECTRICAL EQUIPMENT INSTALLED IN POOL EQUIPMENT ROOMS TO BE RATED FOR USE IN CORROSIVE ENVIRONMENTS.

NOTE FOR RADIO COVERAGE RESPONDER SYSTEM

- CONTRACTOR SHALL PROVIDE DEDICATED EMERGENCY 120V, 20A CIRCUIT FOR RADIO RESPONDERS COVERAGE SYSTEM AT 1ST FLOOR, CONNECT TO EP-20, USING 2#12, 1/2".

ELECTRICAL EQUIPMENT SCHEDULES

(VERIFY EXACT LOCATION, WIRING & BRAND WITH KITCHEN CONSULTANT PRIOR TO INSTALL ELECTRICAL DEVICES FOR KITCHEN EQUIPMENTS)

KEY	QUANTITY	NAME OF ITEM	BRAND	MODEL #	ELECTRICAL					
					PHASE	KW	AMPS	VOLTS	NEMA #	NOTE
013A	1	COMBI OVEN (OTHERS)	RATIONAL	XS	3	16.0	208	15-30R	(3x20A) 3 AC 208/240V	
013.1	1	REIRCULATING HOOD	ULTRAVENT	XS		120	5-15	120	120 VAC 60 Hz 8' CORD	
017	1	COFFEE BREWER	BUNN	IC9-TALL	1	27.5	120/208	5-15	* 15 AMP - 120V MACHINE ONLY	
019	1	2 DOOR REACH-IN REFRIGERATOR	Hoshizaki	R2A-FS	1	5.4	120	5-15		
020	1	2 DOOR REACH-IN FREEZER	Hoshizaki	F2A-FS	1	9.6	120	5-15		
022A	1	ICE (BASE)	-	-	1	13.8	115	5-15		
026	1	WAREWASHER, UNDERCOUNTER	-	-	1	30	220-240			

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