



1 ELECTRICAL FLOOR PLAN 1/4" = 1'-0" NORTH

- GENERAL NOTES:**
- DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.
 - ALL WORK SHALL COMPLY WITH THE 2017 NATIONAL ELECTRIC CODE, NATIONAL, STATE AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.
 - REFER TO RISER DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC. ALL CONDUCTORS SHALL HAVE AN EQUIPMENT GROUND WIRE SIZED PER NEC.
 - FIELD VERIFY EXACT LOCATION OF ALL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN.
 - INSTALL WALL RECEPTACLES W/LOW VOLTAGE OUTLET AT 18" A.F.F. TO CENTER UNLESS OTHERWISE NOTED.
 - ALL DEVICES AND COVER PLATES SHALL BE WHITE IN COLOR.

- KEY NOTES:**
- PROVIDE A RECESSED FLOOR BOX FLUSH W/FLOOR WITH DUPLEX RECEPTACLE OR TWO SINGLE RECEPTACLES (GFCI TYPE DEVICE OR CIRCUIT BREAKER PROTECTION WHERE GFI DESIGNATION IS PRESENT). INCLUDE ALL ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION IN ADDITION TO APPROPRIATE FLOOR TRIM (WALKER DUCT PRO SERIES SYSTEM BRASS TRIM FLANGES). COORDINATE ALL FINISHES AND EXACT LOCATIONS WITH ARCHITECT AND ARCHITECTURAL FINISH PLAN FOR FLOOR TYPES/FINISHES. INCLUDE ALL CORE DRILLING AND PATCHING OF FLOOR FOR COMPLETE INSTALLATION. ROUTE HOMERUN TO NEAREST WALL LOCATION AND STUB AS REQUIRED FOR ROUTING TO CIRCUIT BREAKER PANEL.
 - COORDINATE FINAL GENERAL PURPOSE RECEPTACLE LOCATION WITH ARCHITECT.
 - COORDINATE LOCATION OF J-BOX AT LEFT SIDE OF FIREPLACE. INCLUDE ACCESS PANEL IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
 - PROVIDE 3/4" THICK FRIT TYPE PLYWOOD TELECOM BOARD. PAINT WITH FIRE RETARDANT WHITE PAINT. INCLUDE COPPER GROUNDING BUS AND #6 AWG CONDUCTOR TO SERVICE GROUNDING POINT.
 - COORDINATE FINAL REQUIREMENTS IN FIELD WITH LOW VOLTAGE INSTALLER.
 - PROVIDE A 7-DAY ELECTRONIC TIME CLOCKS AND ELECTRICALLY HELD CONTACTORS AS REQUIRED. INSTALLED IN NEMA 1 ENCLOSURE. CONNECT TO 20A-120V-1 BRANCH CIRCUITS INDICATED ON PLANS. REFER TO ARCHITECTURAL PLANS FOR STUB-UP LOCATION.
 - UNDERSLAB CONDUIT. ROUTE TO NEAREST WALL AS SHOWN. REFER TO ARCH. FOR STUB-UP LOCATION.
 - GAS CLOTHES DRYER (1.8KW-120V-1PH). PROVIDE NEMA 5-20R DUPLEX RECEPTACLE INSTALLED AT 60" AFF. WIRING SHALL BE 3 #12, 1 #12G IN 3/4" CONDUIT TO 15A-1PH CIRCUIT BREAKER IN PANEL "P". INCLUDE COST OF CONNECTING A TYPE "SO" CORD AND MATCHING PLUG APPLIANCE.
 - WASHING MACHINE (1.8KW-120V-1PH). PROVIDE NEMA 5-20R DUPLEX RECEPTACLE INSTALLED AT 60" AFF. WIRING SHALL BE 3 #12, 1 #12G IN 3/4" CONDUIT TO 15A-1PH CIRCUIT BREAKER IN PANEL "P".
 - GFCI DEVICES SHALL BE WIRED TO PROTECT DOWNSTREAM DEVICES.
 - PROVIDE PUSH BUTTON FOR INTERIOR SIGNAL BELL.
 - COORDINATE FINAL LOCATION OF TRANSFORMER WITH OWNER PRIOR TO ROUGH-IN. LOCATION OF TRANSFORMER SHALL COMPLY WITH NEC 450.13.
 - CONNECT 120V RECEPTACLE CIRCUIT IN OFFICE SPACE VIA WATTS/OPPER PLUG LOAD POWER PACK #BZ-200 (OR APPROVED SUBSTITUTION) FOR AUTOMATIC CONTROL OF RECEPTACLES. RECEPTACLES SHALL BE SPLIT WIRED SO THAT THE POWER PACK SHALL AUTOMATICALLY "TURN OFF" THE TOP OUTLET ON EACH RECEPTACLE IF SPACE IS UNOCCUPIED FOR 20 MINUTES AND THE BOTTOM OUTLET SHALL BE CONSTANT HOT. OUTLETS SHALL BE VISUALLY MARKED AS REQUIRED TO DIFFERENTIATE CONTROLLED OUTLETS FROM UNCONTROLLED OUTLETS. RECEPTACLE POWER PACKS SHALL BE CONTROLLED VIA LOW VOLTAGE VACANCY SENSORS AS SHOWN ON LIGHTING PLAN. PROVIDE ALL CONDUIT AND LOW VOLTAGE WIRING AS REQUIRED TO INTERCONNECT RECEPTACLE POWER PACKS AND LIGHTING POWER PACKS. INSTALLATION SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE AND ASHRAE STANDARD 90.1.
 - PROVIDE JUNCTION BOX FOR CONTROL OF GAS WATER HEATER. REFER TO ARCHITECTURAL PLUMBING DRAWINGS TO COORDINATE EXACT LOCATION AND MOUNTED HEIGHT PRIOR ROUGH-IN.
 - PROVIDE CEILING MOUNTED JUNCTION BOX WITH SINGLE TOGGLE FOR HOT WATER RECIRCULATION PUMP. REFER TO PLUMBING DRAWINGS TO COORDINATE EXACT LOCATION AND MOUNTED HEIGHT PRIOR ROUGH-IN.
 - CONNECT NEW FIRE ALARM DEVICE TO EXISTING BUILDING FIRE ALARM SYSTEM. PROVIDE ALL SYSTEM UPGRADES, BATTERY UPGRADES, AND REPROGRAMMING AS REQUIRED. COORDINATE EXACT CONNECTIONS REQUIREMENTS WITH CONDITIONS IN FIELD AND MANUFACTURERS RECOMMENDATION PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENTS FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.
 - RECEPTACLES AND DATA OUTLETS TO BE MOUNTED IN P.O.S. DESK ROUGH-IN TO BE UNDERGROUND-STUBBED UP INSIDE THE P.O.S. DESK CHASE. COORDINATE FINAL LOCATION WITH ARCHITECT/OWNER.
 - RECEPTACLES IN THIS AREA SHALL BE LISTED TAMPER RESISTANCE. COMPLY WITH NEC 406.12.

NO	DATE	REMARKS

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