

1. MASTER STATIONS SHALL BE LOCATED WHERE NOTED. PROVIDE WALL MOUNT KITS AS REQUIRED. COORDINATE EXIST LOCATIONS WITH THE OWNER BEFORE ROUGH-IN.
2. WIRE AS DIRECTED BY EQUIPMENT MANUFACTURER. VERIFY SIZE REQUIREMENTS WITH DISTANCES OF RUN BEFORE ORDERING.
3. ALL MODEL NUMBERS ARE AYPHONE MODEL NUMBERS. PROVIDE SHOP DRAWINGS PER SPECIFICATIONS ON EQUIPMENT COMPLETE WITH WIRING DIAGRAMS.
4. SYSTEM SHALL BE INTERFACED WITH SECURITY/CARD ACCESS SYSTEM SO THAT WHEN A DOOR IS UNLOCKED IT WILL NOT ALARM THE SYSTEM.
5. PROVIDE ALL ADDITIONAL EQUIPMENT, INCLUDING POWER SUPPLIES, AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. POWER TO BE DERIVED FROM A SPARE 20A/1P BREAKER IN PANEL NC2.

1. COORDINATE EXACT LOCATION OF CONTROLS WITH THE OWNER BEFORE ROUGH-IN.
2. SYSTEM SHALL CONTROL EXTERIOR DOOR INTO SECURE WAITING 125 AND INTERIOR DOOR FROM SECURE WAITING 125 INTO WAITING 126A. PROVIDE TIME DELAY TO PUSH BUTTONS SO THAT DOOR REMAINS UNLOCKED FOR A PREDETERMINED PERIOD OF TIME BEFORE LOCKING TO ALLOW VISITOR TO OPEN DOOR.
3. WIRE AS DIRECTED BY EQUIPMENT MANUFACTURER. VERIFY WIRE SIZE, RESISTANCE WITH RESISTANCE OF RUN BEFORE ORDERING.
4. EACH BUTTON SHALL BE CLEARLY LABELED AS TO WHICH DOOR IT CONTROLS. COORDINATE LABEL WORKING WITH OWNER.
5. SYSTEM SHALL BE INTERFACED WITH CARD ACCESS/SECURITY SYSTEM SO THAT WHEN A SYSTEM IS UNLOCKED BY THIS SYSTEM AND OPENED IT WILL NOT ARM THE SYSTEM.
6. PROVIDE ALL ADDITIONAL EQUIPMENT, INCLUDING POWER SUPPLIES, AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. POWER TO BE DERIVED FROM A SEPARATE 208V BRANCHED IN PANEL 12C2.
7. PROVIDE SHOP DRAWINGS ON EQUIPMENT COMPLETE WITH CUTSHEETS AND WIRING DIAGRAMS.

- THE CONTRACTOR SHALL PROVIDE ALL CIRCUITS (FEEDER AND BRANCH) WITH AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. TABLE 250-122.
- CONDUIT SLEEVES MUST BE PROVIDED FOR ALL LOW VOLTAGE WIRING RUN IN OR THROUGH WALLS. IN ROOMS WITHOUT CEILING, LOW VOLTAGE WIRING MUST BE RUN IN CONDUIT. NO EXPOSED LOW VOLTAGE WIRING WILL BE PERMITTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHOWING ANY MISCELLANEOUS STEEL REQUIRED TO SUPPORT ELECTRICAL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE TO SIZE STEEL AND INSTALL PROPERLY FOR THE LOAD INTENDED.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS AND DETAILS/ELEVATIONS TO COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL DEVICES OR EQUIPMENT TO BE INSTALLED IN CASEWORK, CABINETS, GENERAL AREAS, ETC. DRAWINGS SHALL NOT BE SCALED.
- EACH TRADE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE AVAILABLE SPACE IN THE CONCEALED AREAS OF THE STRUCTURE. HE MUST COORDINATE ALL THE WORK TO BE DONE AND EQUIPMENT TO BE INSTALLED IN ADVANCE AND PRIOR TO INSTALLING ANY SYSTEM OR PORTION THEREOF. COORDINATE WITH OTHER TRADES REGARDING LAYOUTS. ANY CONTRACTOR WHO FAILS TO COMPLY SHALL BEAR ALL COSTS OF EACH TRADE FOR DISCONNECTING, REMOVING AND REINSTALLING SYSTEM, EQUIPMENT OR PORTIONS THEREOF.
- THE SPACE ABOVE ALL CEILINGS WILL BE USED AS A RELIEF AIR PLENUM. LOW VOLTAGE WIRING FOR OTHER SYSTEMS MUST AN APPROVED AIR PLENUM CABLE, OR RUN IN CONDUIT.
- ALL LOW VOLTAGE WIRING, NOT INSTALLED IN CONDUIT, ABOVE CEILINGS MUST BE RUN PERPENDICULAR AND/OR PARALLEL TO BUILDING STEEL. ALL CABLES MUST BE NEATLY TRAPPED UNDER THE CEILING JOISTS AND BE SECURED TO THE JOIST USING #8 GALV. STEEL CABLE TIES WITH 25K AMP CAPACITY. CABLES THAT ARE SIMPLY DRAPED THROUGH STEEL OR RUN AT 90 DEGREE ANGLES WILL HAVE TO BE REMOVED AND REINSTALLED.
- IN EXISTING CONSTRUCTION, ALL CONDUIT AND WIRING RUN TO FINISHED SPACES (I.E., LIBRARY, CLASSROOMS, CORRIDORS, OFFICES, STORAGE ROOMS, ETC.) MUST BE CONCEALED. CONDUIT MAY BE RUN EXPOSED IN UNFINISHED AREAS (I.E., CRAWL SPACES, MECHANICAL EQUIPMENT ROOMS, ETC.). SURFACE RACEWAY MAY BE USED WHEN WIRING DOES NOT OBSCURE OR APPROVED BY ENGINEER OR ARCHITECT IN WRITING. WHERE WALLS ARE SOLIDLY FINISHED (I.E., WITH GROUT) THE CONTRACTOR SHALL PROVIDE SIMILAR TO WIREDMOLD 7700 SERIES METALLIC RACEWAY AT NO ADDITIONAL COST TO THE OWNER. FINAL ROUTING SHALL BE APPROVED BY ENGINEER/ARCHITECT PRIOR TO NEW EQUIPMENT UNLESS REQUESTED BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION. SPECIFICATIONS TO DETERMINE WHERE MC CABLE MAY BE USED.
- OUTLETS MOUNTED BACK TO BACK AND/OR THE USE OF THROUGH BOXES IS NOT PERMITTED.
- THE CONTRACTOR SHALL VERIFY THE MOUNTING HEIGHT OF BUILDING MOUNTED LIGHT FIXTURES WITH THE ARCHITECT BEFORE ROUGHING IN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING OF EXISTING SURFACES THAT IS REQUIRED FOR HIS WORK. PATCHING SHALL INCLUDE FINAL FINISH TO MATCH ADJACENT SURFACES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EXTERIOR SOUND SYSTEM SPEAKERS MOUNTED ON THE BUILDING. PROVIDE NEW SPEAKERS AS SHOWN ON DRAWINGS. I.E., SHALL BE RESPONSIBLE FOR PLUGGING OR SEALING ANY HOLES IN MASONRY WHERE EXISTING FASTENERS OR CONDUIT IS REMOVED. NO SURFACE CONDUIT ON EXTERIOR OF BUILDING WILL BE PERMITTED FOR NEW EQUIPMENT UNLESS REQUESTED BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE ALL DEVICES ASSOCIATED WITH MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT WITH CONTRACTOR. PROVIDE EQUIPMENT, PRIOR TO ORDERING DEVICES AND ROUGH-IN. THE CONTRACTOR SHALL REQUEST SHOP DRAWINGS FOR ALL EQUIPMENT REQUIRING POWER BEFORE ROUGH-IN.
- THE CONTRACTOR SHALL COORDINATE THE MOUNTING HEIGHT OF ALL SURFACE RACEWAY WITH THE OWNER FOR OWNER SUPPLIED FURNITURE. WHERE SURFACE RACEWAY IS DIRECTED TO BE LOCATED, NO WORK COULD BE DONE UNTIL THE CONTRACTOR HAS BEEN ADVISED TO ALLOW THE RACEWAY TO BE ROUTED IN FRONT OF COUNTER TOPS. THIS BLOCKING SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- FOR WORK REQUIRED WITHIN AREAS OF THE BUILDING WHERE NO GENERAL TRADES WORK IS REQUIRED, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL MATERIAL INCLUDING INSULATION BY OTHER CONTRACTORS AND EXCEPTING IT OUT. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO NOTIFY THE OWNER/ENGINEER IN WRITING WITH DATED PHOTOGRAPHIC EVIDENCE OF ANY DAMAGED CEILING TILES PRIOR TO REMOVAL. OTHERWISE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGED CEILING TILES WITHIN THE AREA OF WORK.
- PROTECT DOWN (BELOW 120V) COPPER CABLE RUN TO EXTERIOR OF BUILDING MUST BE LISTED TYPE PROTECTED PER CODE. CONTRACTOR SHALL PROVIDE SLOPE STATE LIGHTNING PROTECTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL .5% (.6) DATA DROPS FOR ECT PANELS. THESE DROPS SHALL BE COORDINATED WITH THE INSTALLING CONTRACTOR. EACH DROP SHALL MEET THE DATA SPECIFICATIONS AND INCLUDE A JACK, BACKBOX, COVERPLATE, 300' OF HORIZONTAL WIRING, 20' OF CONDUIT AND OTHER EQUIPMENT FOR A FUNCTIONING NETWORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES USING PA-ONE CALL. REVIEWING THE SITE SURVEY DRAWINGS AND REQUESTING ANY INFORMATION THE OWNER PROVIDES TO PROVIDE ACCESS BY OTHER CONTRACTORS TO CUTTING AND EXCAVATING FOR ALL EXTERIOR CONDUITS, LIGHT BASES, UNDERGROUND POUL BOXES, TRANSFORMER VAULTS, EQUIPMENT PADS, ETC.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL KNOWN AND UNKNOWN UNDERGROUND UTILITIES AND EQUIPMENT FOR BOTH EXTERIOR AND INTERIOR APPLICATIONS WITH THE USE OF TACTICAL PENETRATING RADAR. IF USED, CONTRACTOR SHALL PROVIDE SLOPE STATE LIGHTNING PROTECTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY BELOW GRADE UTILITIES THAT ARE DAMAGED DUE TO FAILURE TO VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. SIGNED AND DATED DOCUMENTATION OF GPR SHALL BE AVAILABLE UPON REQUEST.
- UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE FINAL POWER CONNECTIONS TO ALL POWER EQUIPMENT INSTALLED BY OTHER CONTRACTORS INCLUDING THE FOLLOWING, BUT NOT LIMITED TO AIR HANDLING EQUIPMENT, HEATING EQUIPMENT, COOLING EQUIPMENT, KITCHENS, PLUMBING FIXTURE SENSORS, ELECTRIC WATER COOLERS, EVAPATORS, CHAIR LIFTS, PUMP-OUT TRANSDUCER EQUIPMENT, SECURITY EQUIPMENT, SECURITY GRILLDES, DOOR HARDWARE, ELECTRONIC SIGNAGE, AUDITORIUM EQUIPMENT, ETC.
- UNLESS NOTED OTHERWISE, LIGHT SWITCHES INDICATED IN ROOMS SHALL CONTROL THE LIGHTING WITHIN THAT ROOM. WHERE MULTIPLE SWITCHES ARE INDICATED, REFER TO THE ASSOCIATED DRAWING NOTES AND/OR SUB-LAYER DESIGNATION FOR THE LIGHTING TO BE CONTROLLED BY EACH SWITCH.
- PROVIDE BOX EXTENSIONS WHEREVER WALL MOUNT ELECTRICAL DEVICES, INCLUDING, BUT NOT LIMITED TO RECEPTEALS, DATA JACKS, A/V CONNECTIONS, WALL SWITCHES, ETC. ARE LOCATED AT CASEWORK, CABINETS, GENERAL AREAS, ETC. PROVIDE BOXES TO BE LOCATED ADJACENT DUE TO SPACE CONSTRAINTS, EQUIPMENT REQUIREMENTS, ARCHITECTURAL ELEVATIONS OR DIRECTION FROM ARCHITECT/ENGINEER. THE DEVICE COVER PLATE SHALL COVER THE FACE OF THE TABBOARD, DRIVERS, CASEWORK OR WALL COVERING TO CREATE A NEAT AND NEAT FLUSH INSTALLATION.

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1. PROVIDE 0-10V STANDARD DIMMING DRIVER IN FIXTURE.
2. PROVIDE 4000K COLOR TEMPERATURE.
3. E.C. SHALL VERIFY MOUNTING CONFIGURATION (WALL OR CEILING) AND DIRECTIONAL ARROWS PRIOR TO ORDERING FIXTURE.
4. WALL MOUNT BOTTOM OF FIXTURE EVEN WITH BOTTOM OF SOFFIT, FIXTURE IS ATTACHED TO. PROVIDE CONTINUOUS LAYOUT/PATTERN AS INDICATED ON PLANS. PROVIDE ALL NECESSARY ANGLED COMPONENTS FOR A COMPLETE, CONTINUOUS INSTALLATION. PROVIDE REQUIRED DRIVER(S) FOR SEPARATE CONTROL OF CERTAIN SECTIONS OF OVERALL FIXTURE LENGTH AS INDICATED ON PLANS.
5. VERIFY SUSPENSION LENGTH IN THE FIELD PRIOR TO ORDERING FIXTURE. PROVIDE FULLY ADJUSTABLE AIRCRAFT CABLE MOUNTING SUPPORT(S) FOR FIXTURE.
6. PROVIDE L-SHAPE PATTERN AS INDICATED ON PLANS. PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE, CONTINUOUS INSTALLATION. VERIFY CEILING TYPE IN THE FIELD FOR MOUNTING COMPATIBILITY PRIOR TO ORDERING FIXTURE.
7. PROVIDE ALL MISCELLANEOUS STEEL AS REQUIRED TO PROPERLY SUPPORT FROM STRUCTURE. PROVIDE STEM LENGTH AS REQUIRED SO THAT BOTTOM OF FIXTURE IS EVEN WITH BOTTOM OF BAR JOIST.
8. PROVIDE SAFETY HOOK, SAFETY CHAIN AND PENDANT. E.C. SHALL PROVIDE RECEPTACLE TO ACCEPT LIGHT FIXTURE CORD & PLUG OPTION.
9. COORDINATE ACTUAL STEM LENGTHS IN THE FIELD WITH ARCHITECT. DIFFERENT LENGTHS ARE REQUIRED FOR EACH FIXTURE LOCATION. PROVIDE UNISTRUT MOUNTING HARDWARE BETWEEN STRUCTURAL STEEL AS REQUIRED TO ATTACH FIXTURE J. BOX AND STEM CANOPY. PAINT ALL MISCELLANEOUS FIXTURE MOUNTING HARDWARE MATTE BLACK.
10. ARCHITECT TO SELECT CUSTOM FINISH COLOR (SUPPLY PAINT CHIP) FOR FIXTURE AT A LATER DATE.
11. VERIFY SUSPENSION LENGTH IN THE FIELD PRIOR TO ORDERING FIXTURE.

