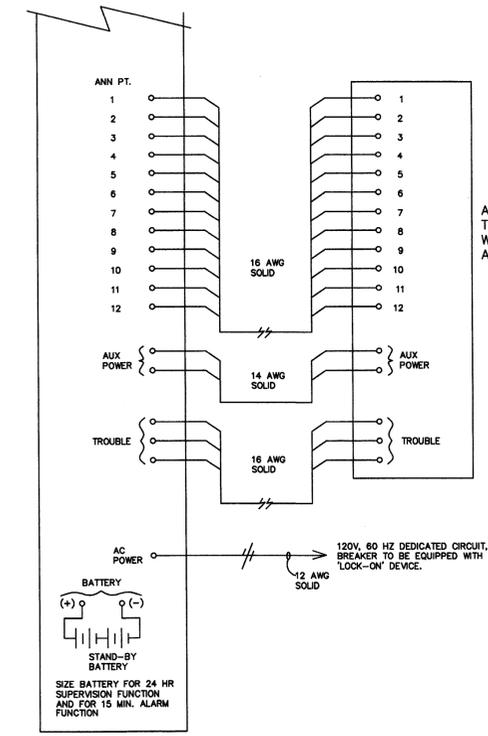
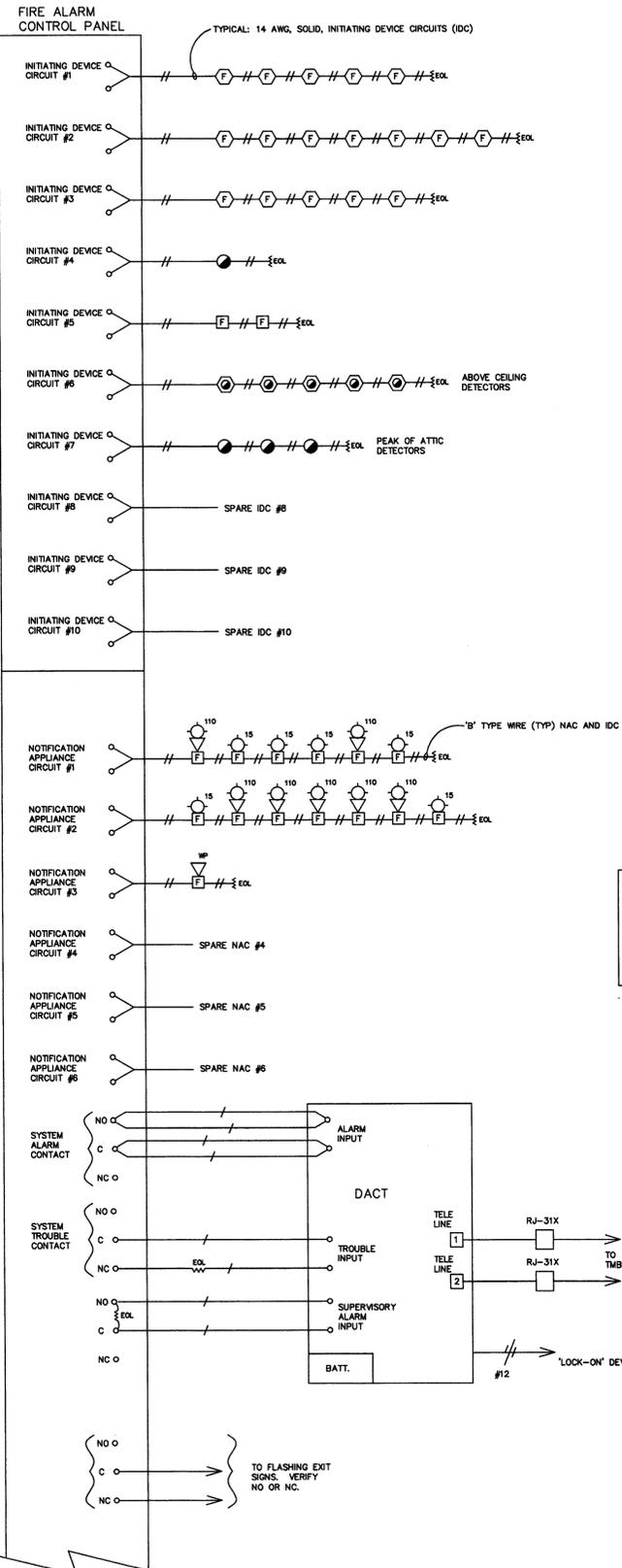


ELECTRICAL FIRE ALARM SPECIFICATIONS

- \* THE WORK SHALL INCLUDE LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR A COMPLETE AND PROPER WORKING INSTALLATION OF THE FIRE ALARM SYSTEMS INDICATED ON THESE DRAWINGS.
- \* MAKE APPLICATION AND PAY FOR ELECTRICAL PERMITS, FEES AND INSPECTIONS AS REQUIRED.
- \* DRAWINGS ARE DIAGRAMMATIC AND OUTLET LOCATIONS ARE APPROXIMATE. REFER TO MECHANICAL, ARCHITECTURAL & STRUCTURAL PLANS REGARDING AVAILABLE SPACE AND CHECK FIELD CONDITIONS BEFORE MAKING ELECTRICAL INSTALLATIONS. CIRCUIT DEVICES AS INDICATED ON DRAWINGS.
- \* SUBMIT SIX COPIES OF DETAILED SHOP DRAWINGS FOR ALL EQUIPMENT TO THE OWNER. NO SUCH EQUIPMENT SHALL BE MANUFACTURED UNTIL APPROVED.
- \* WORK SHALL COMPLY WITH CURRENT ELECTRICAL PRACTICES, NATIONAL ELECTRICAL, FEDERAL SSA/GSA SPECIFICATIONS & REQUIREMENTS, NFPA CODES, LOCAL CODES AND ORDINANCES. PROVIDE NEW, STANDARD PRODUCTS LISTED BY UL. SIMILAR ITEMS OF MATERIAL SHALL BE OF SAME TYPE AND MANUFACTURE. ALL EXPOSED CONDUIT AND DEVICES SHALL BE TRUE TO LINE, PLUMB AND ADEQUATELY SECURED IN PLACE. ALL WIRING AND EQUIPMENT SHALL BE PROTECTED FROM MOISTURE, PLASTER AND DUST DURING STORAGE AND BUILDING CONSTRUCTION.
- \* THIN WALL EMT SHALL BE EQUIPPED WITH STEEL METAL-SETScrew TYPE COUPLINGS AND CONNECTORS (INSIDE ONLY) OR WATER-TIGHT COUPLINGS AND T AND B INSULINE CONNECTORS (INSIDE OR OUTSIDE). DIE-CAST COUPLINGS AND CONNECTORS ARE NOT ACCEPTABLE.
- \* ALL DEVICES SHALL BE SUITABLE FOR THE PURPOSE APPLIED.
- \* CONDUCTORS SHALL BE SOFT DRAWN COPPER, UNLESS OTHERWISE NOTED. INSULATION SHALL BE 600V, THHN/THWN. WIRE SHALL BE #12 AWG MINIMUM, EXCEPT LOW VOLTAGE CONTROL WIRE SHALL BE #14 SOLID (UNLESS OTHERWISE NOTED).
- \* DUCT SEAL ALL CONDUITS ENTERING THE BUILDING FROM UNDERGROUND OR OUTSIDE.
- \* MAINTAIN ONE (1) SET OF PRINTS ON THE JOB SHOWING LOCATIONS OF CONDUITS AND DUCTS. PROVIDE OWNER WITH ONE (1) SET OF SUCH "AS BUILT" ACCURATE, NEAT AND LEGIBLE DRAWINGS ON COMPLETION OF THE WORK ILLUSTRATING ALL DEVIATIONS FROM PLANS AND SPECIFICATIONS.
- \* ALL PENETRATIONS OF FIRE RESISTIVE/RATED STRUCTURES SHALL BE PROTECTED BY MATERIALS, AND INSTALLATIONS, CONFORMING TO UNDERWRITERS LABORATORY'S LISTINGS FOR THROUGH PENETRATION FIRESTOP SYSTEMS. WHEN REQUIRED, CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS SHOWING CONFORMANCE TO THE UL LISTING. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED.
- \* THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL FURNISHED BY HIM AND ALL WORKMANSHIP UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF WORK UNDER THIS CONTRACT. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS CONTRACT OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD PROMPTLY AT THIS CONTRACTOR'S EXPENSE. THIS CONTRACTOR SHALL ACCEPT THIS CONDITION AND FULLY UNDERSTAND ITS PROVISIONS PRIOR TO THIS CONTRACT BEING AWARDED AND NO CLAIM FOR EXTRA COMPENSATION WILL BE ALLOWED FOR CORRECTION OF FAULTY WORK OR REPLACING DEFECTIVE MATERIAL.
- \* THIS ENGINEER WILL NOT BE LIABLE FOR ANY EXPENSES MADE NECESSARY BY LOCAL BUILDING CODE, ORDINANCE, STRUCTURAL, SUBSTITUTIONS OR CHANGES IN EQUIPMENT FROM THAT SHOWN ON THE PLANS AND/OR MADE AFTER PLANS REVIEW.



ANN. 12 ZONE WITH TROUBLE, LOCATED WITHIN LOBBY FIRE ALARM CONTROL PANEL

CONTRACTOR TO SUBMIT SHOP DRAWINGS WITH BATTERY CAPACITY CALCULATIONS FOR REVIEW AND APPROVAL BY THE LOCAL JURISDICTION PRIOR TO INSTALLATION.

FIRE ALARM SYMBOLS

- FACP FIRE ALARM CONTROL PANEL. RECESSED MOUNT AT +60" TO CENTER A.F.F., PROVIDE RECESSED B.B.
- DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER. MOUNT AT +60" TO CENTER A.F.F., PROVIDE SURFACE B.B.
- COMBINATION PHOTOELECTRIC SMOKE DETECTOR/ HEAT DETECTOR LOCATED ABOVE CEILING.
- HEAT DETECTOR, 194 DEGREE FIXED, CEILING MOUNTED. PROVIDE 4" SQUARE BOX WITH 4-0 RING.
- PHOTOELECTRIC SMOKE DETECTOR. HEAD AND BASE.
- HORN/STROBE, TEMPORAL HORN AND SELF SYNCHRONIZING STROBE, 15 CD RATING. PROVIDE 4" SQUARE BOX, WITHOUT RING. MOUNT AT +80" TO BOTTOM A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
- HORN/STROBE, TEMPORAL HORN & SELF SYNCHRONIZING STROBE, 110 CD RATING. PROVIDE 4" SQUARE BOX, WITHOUT RING. MOUNT AT +80" TO BOTTOM A.F.F., OR 6" BELOW CEILING, WHICHEVER IS LOWER.
- STROBE, SELF SYNCHRONIZING, 15 CD RATING. PROVIDE 4" SQUARE BOX, WITHOUT RING. MOUNT AT +80" TO BOTTOM A.F.F., OR 6" BELOW CEILING, WHICHEVER IS LOWER.
- EXTERIOR WEATHERPROOF HORN.
- DOUBLE ACTION PULL STATION. PROVIDE A 4" SQUARE BOX WITHOUT RING. MOUNT AT +54" A.F.F. TO CENTERLINE.
- BATTERY
- EOL END OF LINE RESISTOR
- EC EMPTY CONDUIT

FIRE ALARM RISER DIAGRAM



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