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1FA-001

TYPICAL DEVICE MOUNTING DIAGRAM
SCALE: NTS

FIRE ALARM GENERAL NOTES

- ALL WIRING FOR THE FIRE ALARM SYSTEM SHALL BE AS FOLLOWS:
 - ABOVE SUSPENDED CEILINGS: METAL CLAD CABLE, TWISTED PAIR, IN CONFORMANCE WITH SYSTEM MANUFACTURER'S REQUIREMENTS AND AS PER APPROVED SHOP DRAWINGS.
 - FROM SUSPENDED CEILING TO SURFACE MOUNTED DEVICE: TWISTED PAIR, IN SURFACE MOUNTED RECELVAYS, IN CONFORMANCE WITH SYSTEM MANUFACTURER'S REQUIREMENTS AND AS PER APPROVED SHOP DRAWINGS.
 - ON CMU/CONCRETE WALLS AND CEILINGS: TWISTED PAIR, IN CONDUITS, IN CONFORMANCE WITH SYSTEM MANUFACTURER'S REQUIREMENTS AND AS PER APPROVED SHOP DRAWINGS.
 - ON PLASTERED WALLS/CEILINGS: METAL CLAD CABLE, TWISTED PAIR, IN CONFORMANCE WITH SYSTEM MANUFACTURER'S REQUIREMENTS AND AS PER APPROVED SHOP DRAWINGS.
- ALL WALL MOUNT DEVICES (HORNS/STROBES, MANUAL PULL STATIONS ETC.) SHALL BE INSTALLED AS FOLLOWS:
 - FOR ALL PLASTERED WALLS:
 - MOUNT DEVICES ON A RECESSED BACK BOX IN WALL.
 - WIRING TO THE DEVICE SHALL BE CONCEALED IN WALL FROM THE SUSPENDED CEILING ABOVE.
 - FOR ALL CMU/CONCRETE WALL:
 - MOUNT DEVICES ON A MANUFACTURER'S PROVIDED STEEL BACK BOX.
- MOUNTING HEIGHT AND CANDELA RATING OF FIRE ALARM DEVICES SHALL BE IN COMPLETE COMPLIANCE WITH THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD REGULATIONS (MAAB 521 CMR).
- PRIOR TO FURNISHING AND INSTALLING FIRE ALARM SYSTEM EQUIPMENT, DEVICES, AND WIRING, THE ELECTRICAL CONTRACTOR SHALL CONFER WITH LOCAL FIRE AUTHORITY FOR ALL REQUIREMENTS.
- ALL EXPOSED WIRING SHALL BE IN MINIMUM 1/2" CONDUIT.
- RISER DIAGRAM DOES NOT SHOW ENTIRE FIRE ALARM SYSTEM. REFER TO FLOOR PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES AND EQUIPMENT.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL VISUAL NOTIFICATION DEVICES ARE SYNCHRONIZED.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ADD ANY NEW DETECTION OR NOTIFICATION DEVICES TO EXISTING BY MEANS OF T-TAPPING.
- PROVIDE A NEW FIRE ALARM DEVICE LAYOUT IN ACCORDANCE WITH THESE PLANS AND NFPA 72.
- FOR EXACT QUANTITY AND LOCATIONS OF WATERFLOW SWITCHES, PRESSURE SWITCHES AND TAMPER SWITCHES, COORDINATE WITH FIRE PROTECTION SHOP DRAWINGS.
- E.C. SHALL COORDINATE EXACT LOCATIONS AND QUANTITIES OF SMOKE DUCT DETECTORS WITH HVAC DRAWINGS. PROVIDE A REMOTE ALARM LIGHT AND TEST STATION FOR EACH SMOKE DUCT DETECTOR. DUCT DETECTORS SHALL BE PROVIDED BY E.C. AND INSTALLED BY HVAC CONTRACTOR. FINAL WIRING TERMINATIONS SHALL BE PERFORMED BY E.C.
- PROVIDE A MINIMUM OF TWO SIGNALING LINE CIRCUITS AND TWO INTERLEAVED

FIRE ALARM LEGEND

- MASTER BOX
- FIRE ALARM STROBE AND HORN, NUMERAL INDICATES CANDELA RATING
- FIRE ALARM STROBE ONLY, NUMERAL INDICATES CANDELA RATING
- FIRE ALARM MANUAL PULL STATION
- SMOKE DETECTOR, "R" INDICATES ELEVATOR RECALL INITIATION
- RED INDICATING LIGHT, EXTERIOR WEATHERPROOF
- TAMPER SWITCH
- WATERFLOW SWITCH
- RE REMOVE EXISTING DEVICE
- XR RELOCATE EXISTING DEVICE
- WP WEATHER PROOF
- ETR LIGHT LINE INDICATES EXISTING WORK TO REMAIN
- XL NEW LOCATION OF EXISTING DEVICE
- LFAC LIMIT OF FIRE ALARM CONTRACT
- NIFAC NOT IN FIRE ALARM CONTRACT

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