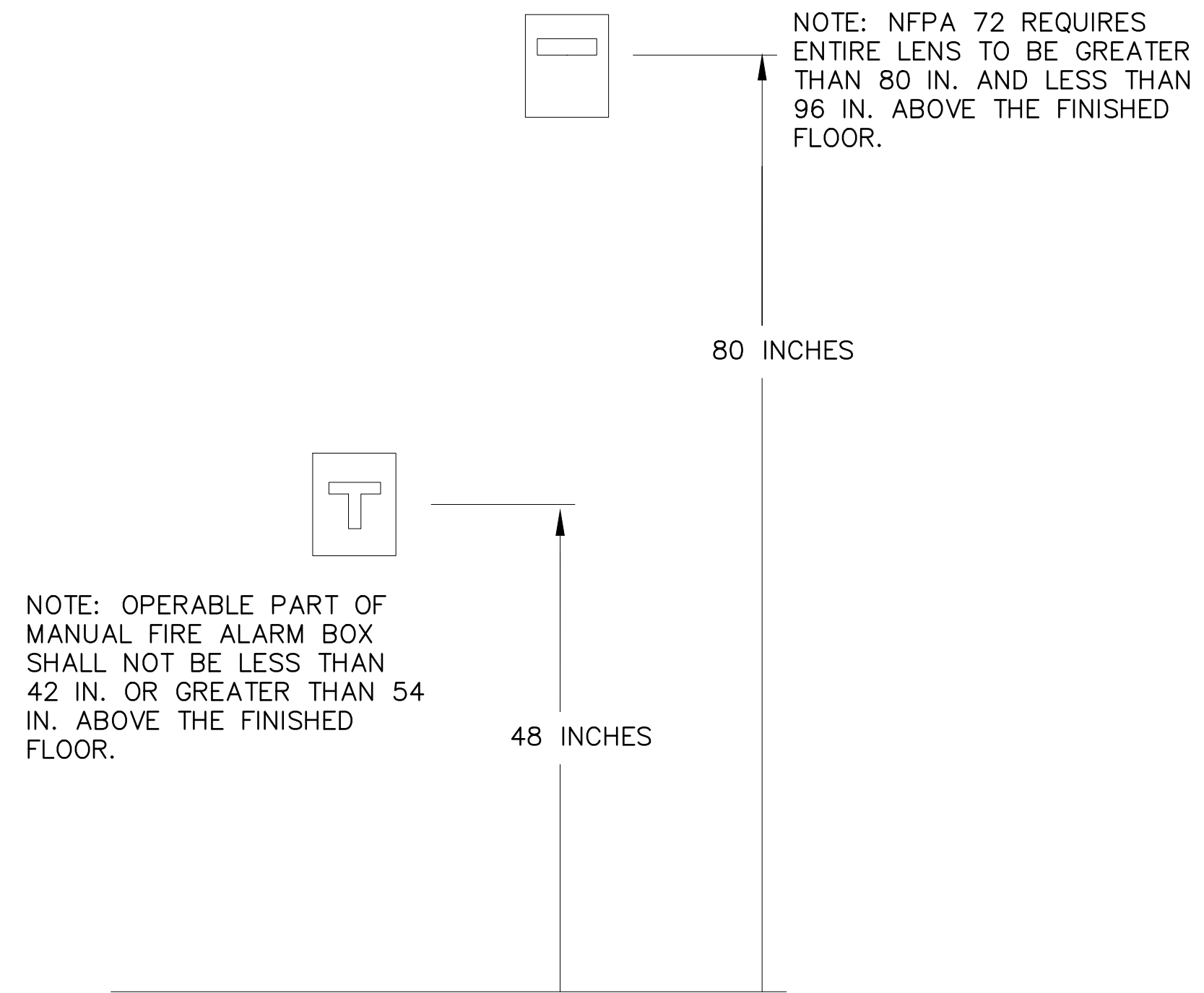


APPLICABLE CODES:

- INTERNATIONAL BUILDING CODE, 2009 EDITION AS ADOPTED AS THE MAINE UNIFORM BUILDING AND ENERGY CODE (MUBEC)
- NFPA 101: LIFE SAFETY CODE, 2009 EDITION
- NFPA 1: FIRE PREVENTION CODE, 2006 EDITION
- NFPA 72; NATIONAL FIRE ALARM CODE, 2007 EDITION

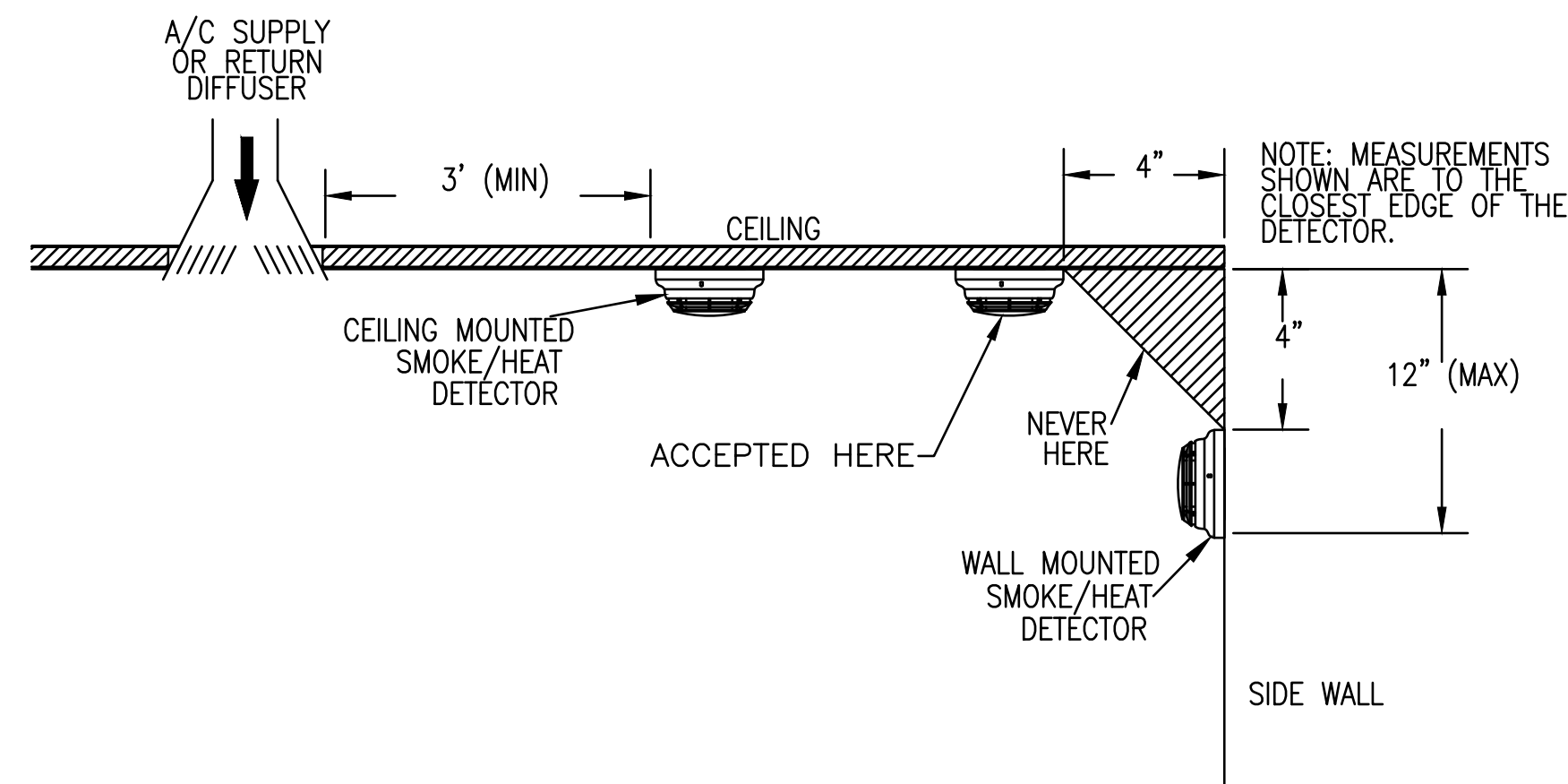
FIRE ALARM NOTES:

- ANY EXPOSED WIRING SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) WITH SET SCREW TYPE FITTING. ALL OTHER WIRING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70. ALL WIRING/CONDUIT SHALL RUN PERPENDICULAR AND / OR PARALLEL WITH THE RESPECTIVE BUILDING LINES.
- THE CONTRACTOR SHALL UTILIZE ALARM VERIFICATION AS A STANDARD FEATURE FOR ALL ADDRESSABLE SMOKE DETECTORS.
- THE CONTRACTOR, BEFORE INSTALLATION OR PROCUREMENT OF EQUIPMENT COMMENCES, SHALL SUBMIT A COMPLETE SET OF DRAWINGS FOR THIS PROJECT TO THE AUTHORITY HAVING JURISDICTION AND/OR LOCAL FIRE MARSHAL. THE DRAWING SHALL INDICATE MANUFACTURER'S NAMES AND CATALOG NUMBERS. DRAWINGS SHALL SHOW DEVICE LOCATIONS AND PROPOSED LOCATIONS OF WIRING/CONDUIT BETWEEN DEVICES. DRAWINGS SHALL INCLUDE UNIQUE ADDRESSES FOR EACH INITIATING DEVICE AND CIRCUIT NUMBER FOR NOTIFICATION DEVICES.
- ALL PULL AND JUNCTION BOXES AS WELL AS WITHIN 6 INCHES OF ANY CONDUIT ENTERING OR LEAVING ANY PULL OR JUNCTION BOX SHALL BE PAINTED RED. IF CONDUIT IS PROVIDED, ONLY WIRE ASSOCIATED WITH THE FIRE ALARM SYSTEM MAY BE RUN IN SAME CONDUIT.
- THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT DRAWINGS OF THE FIRE ALARM SYSTEM. AS-BUILT DRAWINGS SHALL INDICATE THE LOCATION OF THE CONTROL PANEL, ALL FIRE ALARM DEVICES AND WIRING INSTALLED. AS-BUILT DRAWINGS SHALL BE TURNED OVER TO OWNER'S PROJECT REPRESENTATIVE.
- THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE CODES AND LOCAL ORDINANCES. ANY CHANGES TO THE SYSTEM DESIGN SHALL BE PRE-APPROVED BY THE AUTHORITY HAVING JURISDICTION AND/OR LOCAL FIRE MARSHAL.
- FIRE ALARM RISER DIAGRAM IS ONLY DIAGRAMMATIC. REFER TO FIRE ALARM PLANS FOR SPECIFIC LOCATIONS OF DEVICES. EXACT LOCATION OF FIELD DEVICES AND CONTROL CABINETS SHALL BE DETERMINED BASED ON THE EGRESS PATHWAYS AND AVAILABLE SPACE WITHIN ELECTRICAL CLOSETS.
- ALL AUDIO/VISUAL DEVICES SHALL BE SYNCHRONIZED.
- BATTERIES FOR BOOSTER PANELS SHALL BE SIZED TO PROVIDE POWER FOR THE HORN/STROBES AND STROBES FOR A MINIMUM OF 15 MINUTES OF ALARM AFTER 24 HOURS OF STANDBY. IF/WHERE INSTALLED, SMOKE DETECTION SHALL BE PROVIDED ABOVE PANELS.
- HORN/STROBES AND STROBES SHALL HAVE A CLEAR STROBE LENS. HOUSING SHALL BE RED AND MARKED WITH THE WORD "FIRE" IN WHITE.
- ALL WIRING MUST TEST FREE OF OPENS, SHORTS AND GROUNDS. WIRE SIZE SHALL BE SUFFICIENT TO PREVENT VOLTAGE DROP PROBLEMS. CIRCUITS OPERATING AT 24VDC SHALL NOT OPERATE AT LESS THAN UL LISTED VOLTAGES FOR THE SENSORS AND/OR APPLIANCES.
- ALL FIRE ALARM CIRCUITS COMING INTO CONTROL CABINETS ARE TO BE TAGGED TO INDICATE THE LOCATION, END OF LINE RESISTOR VALUE AND FUNCTION OF THE CIRCUIT.
- FPLP CABLE SHALL BE USED FOR ALL POWER LIMITED CIRCUITS
- A NICET III TECHNICIAN (OR HIGHER) SHALL BE PART OF THE INSTALLATION TEAM INCLUDING THE PREPARATION OF SUBMITTAL DRAWINGS.
- MOUNTING HEIGHTS OF EQUIPMENT AS WELL AS ALL INSTALLATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH NFPA 72 AND ADA.
- NO WIRE JUNCTIONS (I.E, WIRE NUTS) SHALL BE PERMITTED BETWEEN FIRE ALARM DEVICES.
- CEILING MOUNTED FIRE ALARM HORN / STROBES MAY BE REQUIRED IN LIEU OF STROBE ONLY FIRE ALARM DEVICES, IF THE AUDIBILITY LEVEL IS NOT IN ACCORDANCE WITH NFPA 72. ADDITIONAL DEVICES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- OVER-VOLTAGE AND SURGE PROTECTION EQUIPMENT INSTALLED FOR THE FIRE ALARM PANEL SHALL BE IN ACCORDANCE WITH NFPA 70 (NEC) AND THE MANUFACTURER'S RECOMMENDATIONS.
- CENTRAL STATION MONITORING (DACT) AND AUTO-DAILER TO BE PROVIDED, TO INCLUDE AUTOMATIC PHONE COMMUNICATION AS DIRECTED BY OWNER.
- INSTALL WIRELESS MASTER BOX AND TRANSMITTER IN ACCORDANCE WITH CITY REQUIREMENTS.



PULL STATION AND SPEAKER / STROBE DETAIL

NTS



SMOKE DETECTOR AND ALARM DETAIL

NTS

SYMBOLS

- SMOKE DETECTOR
- HEAT DETECTOR
- COMBINATION HORN/STROBE
XX = CANDELA RATING
- FIRE ALARM HORN (WALL MOUNTED)
- FIRE ALARM STROBE ONLY (WALL MOUNTED)
XX = CANDELA RATING
- CARBON MONOXIDE DETECTOR
- PULL STATION
- MONITOR MODULE
- CONTROL MODULE
- REMOTE ANNUNCIATOR
- FIRE ALARM CONTROL PANEL
- FIRE DEPARTMENT KNOX BOX

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FIRE RISK MANAGEMENT, INC.
The Protection Engineers & Consultants



15-17 DEERING STREET
PORTLAND, MAINE

**FIRE ALARM
GENERAL NOTES & DETAILS**

SHEET SIZE:
22" x 34"
DATE:
01.07.2016
BID DOCUMENTS
DRAWN BY:
FRM, INC

FA100