

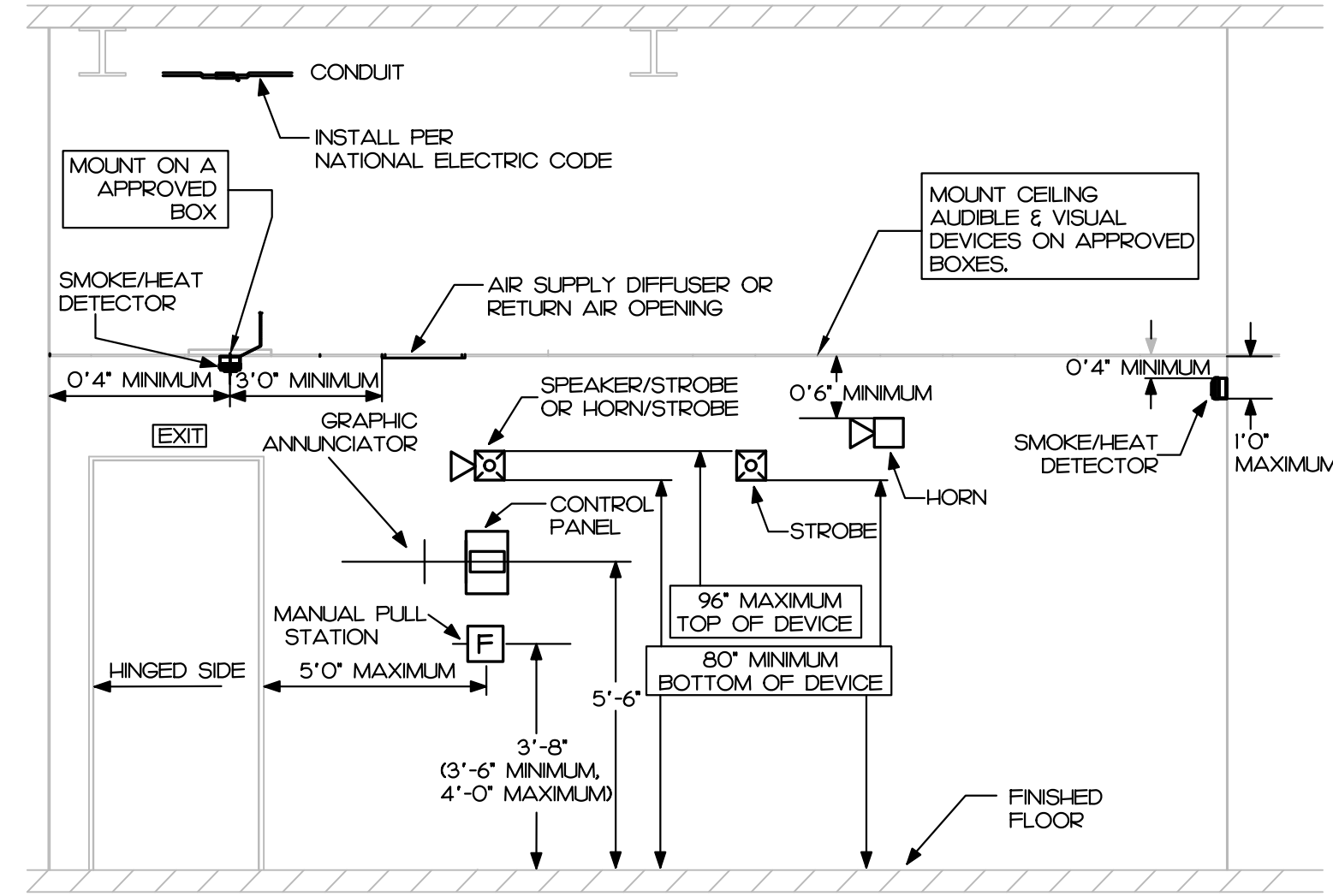
SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
	EXISTING SMOKE DETECTOR TO BE REINSTALLED AT EXISTING LOCATION AFTER LIGHTING REPLACEMENT	EXISTING
	EXISTING FIRE ALARM CEILING STROBE/HORN TO BE REINSTALLED AT EXISTING LOCATION AFTER LIGHTING REPLACEMENT, 'XX' INDICATES CANDELA RATING.	EXISTING
WP	FIRE ALARM STROBE/HORN, MOUNT 80" AFF, WEATHERPROOF 75 dBA SOUND LEVEL, 'XX' INDICATES CANDELA RATING.	NEW TO MATCH EXISTING
	FIRE ALARM PULL STATION, MOUNT 42" AFF, ADDRESSABLE.	NEW TO MATCH EXISTING
	EXISTING DUCT DETECTOR REMOTE ALARM ANNUNCIATOR TO BE REINSTALLED AT EXISTING LOCATION AFTER LIGHTING REPLACEMENT	EXISTING
E	EXISTING SMOKE DETECTOR TO REMAIN	EXISTING
E	EXISTING PULL STATION TO REMAIN	EXISTING
E	EXISTING FIRE ALARM CEILING STROBE/HORN TO REMAIN	EXISTING
E	EXISTING FIRE ALARM STROBE/HORN TO REMAIN	EXISTING
WP E	EXISTING WEATHERPROOF FIRE ALARM STROBE/HORN TO REMAIN	EXISTING
	EXISTING FIRE ALARM CEILING STROBE/HORN TO BE REMOVED FROM CEILING, SUPPORTED, AND PROTECTED	EXISTING
	EXISTING SMOKE DETECTOR TO BE REMOVED FROM CEILING, SUPPORTED, AND PROTECTED	EXISTING
	EXISTING FIRE ALARM REMOTE ANNUNCIATOR TO REMAIN	EXISTING GANWELL-FCI
	EXISTING FIRE ALARM CONTROL PANEL TO REMAIN	EXISTING GANWELL-FCI
	MONITOR MODULE ADDRESSABLE.	NEW TO MATCH EXISTING
	FIRE SPRINKLER WATER FLOW SWITCH.	BY SPRINKLER CONTRACTOR.
	FIRE SPRINKLER VALVE SUPERVISORY SWITCH (TAMPER SWITCH).	BY SPRINKLER CONTRACTOR.
	LOW TEMP SENSOR, TEMP SETTING 40F, NORMALLY OPEN ROOM TEMPERATURE.	POTTER, RTS-0
A.F.C.	ABOVE FINISHED CEILING	
A.F.F.	ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX	

FIRE ALARM NOTES

- SEE PLANS FOR QUANTITY AND LOCATION OF ALL EQUIPMENT.
 - THIS PLAN SHOWS ONLY ADDITIONAL EQUIPMENT TO EXISTING FIRE ALARM SYSTEM.
 - E.C. SHALL VERIFY CAPACITY OF EXISTING SYSTEM PRIOR DO ANY MODIFICATION.
 - ALL MODIFICATION SHALL NOT VOID EXISTING SYSTEM CURRENT WARRANTY OR SERVICE CONTRACT.
 - REPROGRAM EXISTING PANEL AS REQUIRED BY E.C.
- CONTRACTOR SHALL PROVIDE COMPLETE DOCUMENT PER 2018 FIRE CODE SECTION 907.11 AND 907.12 TO TO ENGINEER FOR APPROVAL PRIOR TO SUBMIT TO AND TESTING BY LOCAL FIRE MARSHAL'S OFFICE.
- PLACARD THE ENTIRE FIRE ALARM SYSTEM. PROVIDE PANEL AND CIRCUIT NUMBERS ON A NAME PLATE AFFIXED TO THE FACE OF THE FIRE ALARM CONTROL PANEL.
- CONTRACTOR SHALL PROVIDE UPDATED ZONE MAPS COMPLETE WITH ADDRESSES OR APPLICABLE ZONE FOR EACH FIRE ALARM DEVICE IN WOODEN FRAME ADJACENT TO THE EXISTING FIRE ALARM CONTROL PANEL.
- FIRE ALARM CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS AND CUT SHEETS FOR FIRE ALARM SYSTEM TO ENGINEER FOR APPROVAL.
- ALL WIRING SHALL BE SUPERVISED.
- ALL WIRING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
- ALL WIRING SHALL BE IN CONDUIT.
- ADDRESSABLE SLC CIRCUIT REQUIREMENTS:
 - WIRING CLASS SHALL BE PER EXISTING, FIELD VERIFY.
- NOTIFICATION CIRCUIT REQUIREMENTS:
 - WIRING SHALL MATCH THE EXISTING SYSTEM.
 - FURNISH NOTIFICATION CIRCUITS AS REQUIRED TO ACCOMMODATE CIRCUIT LOADING. NO NOTIFICATION CIRCUIT SHALL BE LOADED TO MORE THAN 50% CAPACITY.
- NOTIFICATION APPLIANCE RATINGS:
 - PROVIDE SOUND (dB) AND CANDELA (Cd) RATINGS FOR ALL HORN/STROBE DEVICES PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72, 18.5.5.7 AND 18.5.3.6.
 - A DESIREL LEVEL OF (5 dB ABOVE AMBIENT ON NFPA 72, TABLE A18.4.3) SHALL BE MAINTAINED IN ALL GENERAL AREAS AND 100 dB (5 dB ABOVE AN AMBIENT OF 85 dB IN NFPA 72, 18.4.3.1) SHALL BE MAINTAINED IN ALL MECHANICAL EQUIPMENT ROOMS PER NFPA 72 AND THE 2018 NORTH CAROLINA STATE BUILDING CODE (SECTION 907.6.2)
- THE FIRE ALARM SYSTEM BATTERY SHALL HAVE CAPACITY TO POWER THE FIRE ALARM SYSTEM FOR NOT LESS THAN 60 HOURS PLUS 15 MINUTES OF ALARM PER THE SCO FIRE ALARM GUIDELINES.
- IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR, PRIOR TO STARTING WORK, TO ENSURE THAT THE NEW AND EXISTING FIRE ALARM DEVICES CAN PRODUCE THE SAME, SYNCHRONIZED, AUDIBLE TONE/PULSE ALARM. IF NOT POSSIBLE, NOTIFY ENGINEER.
- FOR SPRINKLER SYSTEM:
 - FIELD COORDINATE QUANTITY AND LOCATION OF FLOW AND TAMPER SWITCHES WITH SPRINKLER'S FINAL DRAWINGS AND/OR CIVIL FINAL DRAWING FOR TAMPER SWITCH FOR PIV VALVE.
 - PROVIDE MONITORING MODULES AS REQUIRED FOR SPRINKLER SYSTEM.
- PRIOR TO STARTING THE FIRE ALARM DEMOLITION WORK THE CONTRACTOR SHALL VERIFY THE EXISTING FIRE ALARM PANEL IS FULLY OPERATIONAL AND HAS NO TROUBLE CONDITIONS. THE CONTRACTOR SHALL RUN A TEST AND PROVIDE A COPY OF THE REPORT SHOWING THE SENSITIVITY FOR EACH SMOKE DETECTOR. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE ANOTHER TEST REPORT.
- SMOKE DETECTORS THAT SHOW A CHANGE IN SENSITIVITY OF MORE THAN 5% WILL BE CLEANED BY THE CONTRACTOR.

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

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