



**FIRST FLOOR FIRE ALARM PLAN**  
SCALE: 1/8"=1'-0"

FIRE ALARM SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
FCP	FIRE ALARM CONTROL PANEL	WALL-TOP @ 66"
FPS	FIRE ALARM POWER SUPPLY	FIELD VERIFY
FSA	FIRE SYSTEM ANNUNCIATOR	WALL-TOP @ 66"
FSD	FIRE/SMOKE DAMPER	BY OTHERS
SD	SMOKE DETECTOR	CEILING
DS	DUCT SMOKE DETECTOR	BY OTHERS
HD	HEAT DETECTOR	CEILING
AM	ADDRESSABLE CONTROL MODULE	FIELD VERIFY
AMM	ADDRESSABLE MONITOR MODULE	FIELD VERIFY
MP	MANUAL PULL STATION	WALL @ 45"
CR	CONTROL RELAY (MULTI-VOLTAGE)	FIELD VERIFY
ARM	ADDRESSABLE RELAY MODULE	FIELD VERIFY
KB	KNOX BOX	FIELD VERIFY
M	MAGNETIC DOOR HOLDER	FIELD VERIFY
WFS	WATER FLOW SWITCH	BY OTHERS
VTS	VALVE TAMPER SWITCH	BY OTHERS
B	BELL	BY OTHERS
CS	CEILING MOUNT STROBE	FIELD VERIFY
CMH	CEILING MOUNT HORN / STROBE	FIELD VERIFY
CS/S	CEILING MOUNT SPEAKER / STROBE	FIELD VERIFY
H	HORN	WALL @ 10'-0"
H/S	HORN / STROBE	WALL 80"-55"
S/S	SPEAKER / STROBE	WALL 80"-55"
S	SPEAKER	WALL @ 90"
ST	STROBE	WALL 80"-55"

  

ABBREVIATION	DESCRIPTION
E	EXISTING
W	WITH GUARD
P	PENETRANT MOUNT
R	RESIDENTIAL (1120)
S	SCOURER BASE
WP	WEATHER PROOF
EOL	END OF LINE RESISTOR
EOLR	END OF LINE RELAY
AWG	AMERICAN WIRE GAUGE
TWP	TRUSTED PAIR
TWSP	TRUSTED SHIELDED PAIR
FPLP	FIRE POWER LIMITED PLenum
FPLR	FIRE POWER LIMITED RISER

  

SYMBOL	DESCRIPTION
(H) 75	HORN
(S) 30	STROBE
(H) 75	HORN
(S) 30	STROBE

  

SYMBOL	DESCRIPTION
(H) 75	HORN
(S) 30	STROBE

- GENERAL NOTES:**
- THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
  - INSTALLATION SHALL COMPLY WITH NEC, NFPA 72 AND ALL OTHER APPLICABLE CODES AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
  - WIRING DEPICTED ON THESE PLANS IS SCHEMATIC - ACTUAL WIRE LOCATIONS MAY DIFFER FROM THESE PLANS. WIRING SHALL BE PERFORMED AS ACTUAL BUILDING CONSTRUCTION CONDITIONS ALLOW AND TO MINIMIZE PENETRATIONS THROUGH AREA SEPARATION WALLS AND FIRE WALLS. THE USE OF A RACEWAY IS PERMITTED AS LONG AS NO 110V OR HIGHER VOLTAGE CABLES ARE IN THE SAME RACEWAY.
  - FIRE RATINGS SHALL BE MAINTAINED FOR ALL PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION.
  - POWER FOR ALL FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY A DEDICATED AC BRANCH CIRCUIT.
  - POWER-LIMITED AND NONPOWER-LIMITED CIRCUIT WIRING MUST REMAIN SEPARATED IN CABINET. ALL POWER-LIMITED CIRCUIT WIRING MUST REMAIN AT LEAST 0.25" AWAY FROM ANY NONPOWER-LIMITED CIRCUIT WIRING. FURTHERMORE, ALL POWER-LIMITED AND NONPOWER-LIMITED CIRCUIT WIRING MUST ENTER AND EXIT THE CABINET THROUGH DIFFERENT KNOCK OUTS AND/OR SEPARATE CONDUITS.
  - WHEN UTILIZING CLASS "A" CIRCUITS, SEPARATE OUTGOING AND RETURN CONDUCTORS OF CLASS "A" CIRCUITS BY A MINIMUM OF 12" WHERE RUN VERTICALLY AND 48" WHERE RUN HORIZONTALLY.
  - WHEN UTILIZING SHIELDED CABLE THE SHIELDS THROUGH AND INSULATE AT EACH JUNCTION BOX. INSULATE AND TAPE BACK AT END.
  - ALL FIRE ALARM CABLING SHALL BE ACCEPTABLE TO THE FIRE ALARM EQUIPMENT MANUFACTURER FOR THE INTENDED PURPOSE.
  - SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED AND FINAL.
  - LOCATE SMOKE DETECTORS A MAXIMUM OF THREE (3) FEET FROM MECHANICAL DIFFUSERS. WALL-MOUNTED SMOKE DETECTORS SHALL BE LOCATED A MAXIMUM OF 4" AND A MAXIMUM OF 12" FROM CEILING. CEILING-MOUNTED SMOKE DETECTORS SHALL BE MOUNTED ON CEILINGS AND NOT ON THE BOTTOMS OF BEAMS OR JOISTS.
  - PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL REQUIRED SYNC MODULES. PROVIDE A MULTI-SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
  - VERIFY ALL FIELD SELECTABLE AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES WITH FIRE ALARM CONTRACTOR.
  - UPON COMPLETION OF THE FIRE ALARM SYSTEM INSTALLATION AND PROGRAMMING, THE INSTALLING CONTRACTOR SHALL PERFORM FINAL TESTING OF THE ENTIRE SYSTEM, PER ALL APPLICABLE CODES, AND SHALL COORDINATE AND PERFORM A FINAL FIRE ALARM SYSTEM INSPECTION.
  - PROVIDE OFF-SITE MONITORING AS REQUIRED BY THE INTERNATIONAL FIRE CODE, SECTION 907.15 AND THE LOCAL AUTHORITY HAVING JURISDICTION.
  - INSTALLING CONTRACTOR SHALL, PHYSICALLY, LABEL ALL INITIATING DEVICES AND NOTIFICATION APPLIANCE CIRCUIT END OF LINE (WHEN WIRING CLASS "B") THESE LABELS SHALL BE IN PLACE PRIOR TO START-UP AND TESTING.

**SHEET NOTES:**

- ADDRESSABLE MONITOR MODULE(S) PROVIDED TO MONITOR ALL WATER FLOW, PRESSURE SWITCHES, TAMPER SWITCHES AND POST INDICATING VALVES ASSOCIATED WITH THE FIRE SPRINKLER SYSTEM. INSTALLING CONTRACTOR SHALL FIELD VERIFY EXACT MOUNTING, CIRCUITING AND PROGRAMMING REQUIREMENTS. FIELD VERIFY EXACT QUANTITY AND LOCATION(S).
- FIELD VERIFY EXACT LOCATION OF KNOX BOX.

OPERATIONS MATRIX							
FIRE ALARM INPUT	FIRE ALARM OUTPUT	ACTIVE ALARM INDICATOR	ACTIVE AUDIBLE ALARM	ACTIVE SUPERVISORY INDICATOR	ACTIVE AUDIBLE SUPERVISORY SIGNAL	ACTIVE TROUBLE INDICATOR	ACTIVE AUDIBLE TROUBLE INDICATOR
SMOKE DETECTORS	•	•	•				
PULL STATIONS	•	•	•				
WATERFLOW SWITCHES	•	•	•				
VALVE TAMPER SWITCHES	•	•	•				
FIRE ALARM AC POWER FAIL				•	•	•	•
FIRE ALARM LOW BATTERY				•	•	•	•
OPEN CIRCUIT				•	•	•	•
GROUND FAULT				•	•	•	•
NAC SHORT CIRCUIT				•	•	•	•
LOSS OF AC TO BUILDING				•	•	•	•

**MAINE STATE SECURITY ALARMS**  
 Phone: (207) 247-4371  
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**OXFORD STREET**  
**PORTLAND, MAINE 04101**  
**FIRST FLOOR FIRE ALARM PLAN**

DATE	DESCRIPTION
2/18/2013	ISSUED FOR REVIEW & APPROVAL
3/2/2013	REVISED PER CLIENT REVIEW

  

REVISION	DESCRIPTION
0	ISSUED FOR REVIEW & APPROVAL
1	REVISED PER CLIENT REVIEW

  

DRAWN	JFB	UNICAD JOB #13066
CHECKED	KRANE & HANS	NOLET IN 90425
DATE	2/13/2013	
REVISION	1	
SCALE	1/8"=1'-0"	

