

City of Portland
PUBLIC SAFETY
BUILDING
Crime Lab Project

Winton Scott Architects
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Becker Structural Engineers, Inc.
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Mechanical Systems Engineers
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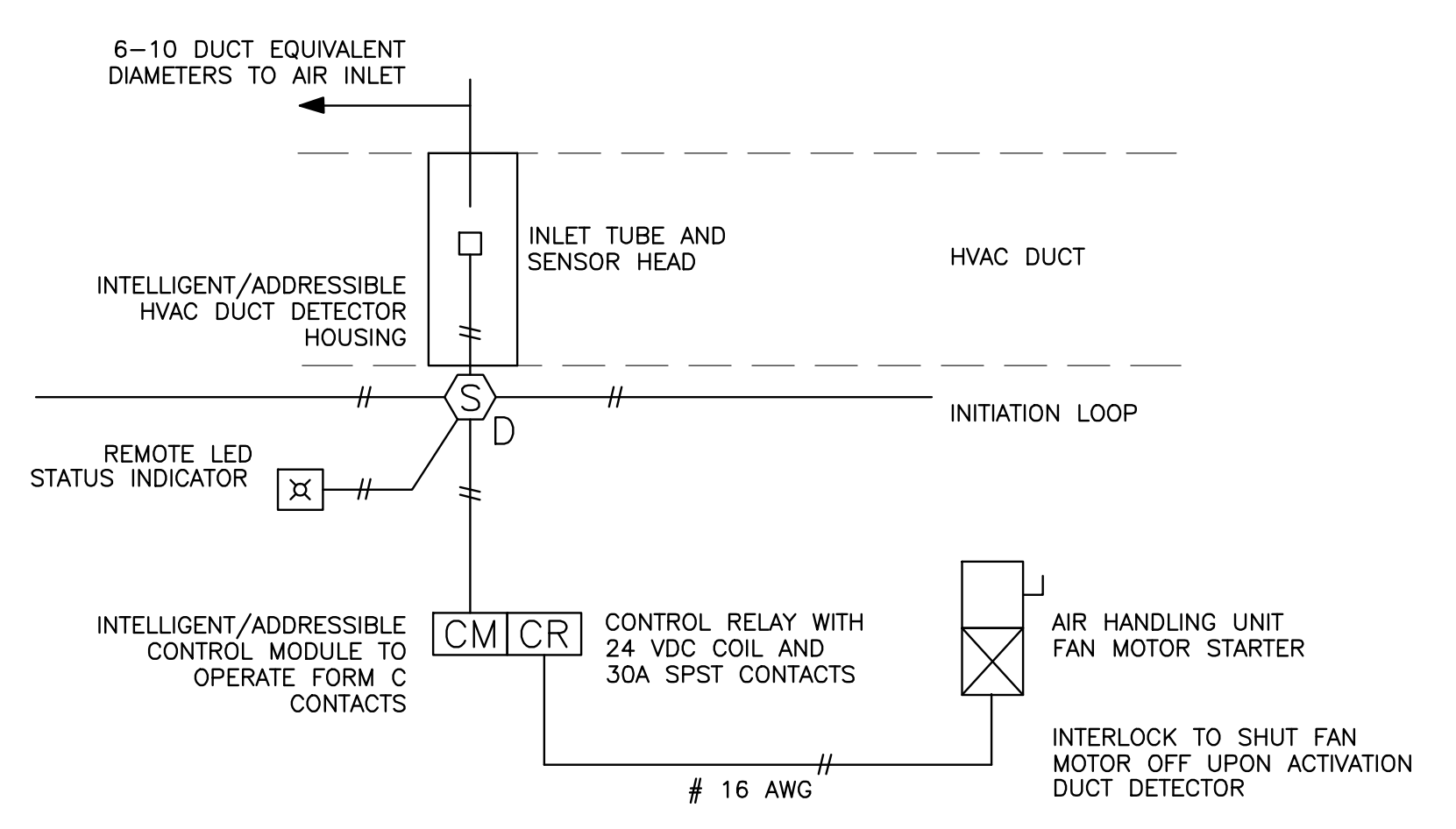
Bartlett Design
 942 Washington St.
 Bath, ME 04530

THIRD FLOOR POWER PLAN

E1.2

Scale: 1/8"=1'-0" Date: 06-13-08

- NOTES:**
1. PROVIDE BOX, CONDUIT AND CABLE FOR OWNER FURNISHED SECURITY CAMERA AND WIRE. RUN CONDUIT BACK TO THE ELECTRICAL ROOM AND CAP. MOUNT BOX AND ASSOCIATED RECEPTACLE HIGH ON WALL, EXACT LOCATION TO BE DETERMINED BY ARCHITECT.
 2. WHERE INDICATED ON THE PLAN, DISCONNECT AND REMOVE EXISTING MECHANICAL EQUIPMENT INCLUDING CIRCUIT WIRING.
 3. PROVIDE A WEATHERPROOF, GFCI RATED RECEPTACLE AT EF-1, EF-2, EF-4, EF-6 & AUH-1.
 4. PROVIDE A 120 VOLT CIRCUIT CONNECTION FOR MOTOR OPERATED DAMPERS ASSOCIATED WITH EF-1, EF-2 & EF-3, CIRCUIT TO PANEL M3 #1. PROVIDE A 120 VOLT CIRCUIT CONNECTION FOR MOTOR OPERATED DAMPERS ASSOCIATED WITH EF-4 & EF-5, CIRCUIT TO PANEL M3 #2.
 5. ELECTRICAL CONTRACTOR TO PROVIDE EMPTY BOX FOR CARD READER. PROVIDE EMPTY CONDUIT FROM CARD READER BOX TO LOW VOLTAGE JUNCTION BOX ABOVE CEILING. FROM THE JUNCTION BOX, PROVIDE EMPTY CONDUIT TO DOOR JAMB FOR CONNECTION TO ELECTRIC DOOR LOCK. EXTEND 3/4" CONDUIT FROM LOW VOLTAGE JUNCTION BOX TO ELECTRICAL ROOM. ALSO PROVIDE 120 VOLT CIRCUIT FOR ELECTRIC DOOR LOCK POWER. CIRCUIT TO PANEL L3EA #6.
 6. CONTRACTOR TO PROVIDE (3)-4" CONDUIT SLEEVES FROM CORRIDOR 305 TO TELECOM CLOSET 311 FOR OWNER PROVIDED DATA CABLE. CONTRACTOR TO FIRE SEAL CONDUIT PENETRATIONS.
 7. CONCEAL ALL WIRE AND CONDUIT IN PARTITIONS OR ABOVE CEILINGS. WHERE THIS IS NOT POSSIBLE AT EXISTING WALLS, CONTRACTOR SHALL COORDINATE THE USE OF SURFACE METAL RACEWAY WITH ARCHITECT.
 8. PROVIDE (2) 4" EMPTY CONDUITS FOR TELECOMMUNICATIONS CABLING PROVIDED BY OWNER BETWEEN ROOM 311 AND EXISTING ELECTRICAL ROOM ACROSS CORRIDOR FROM ELEVATOR 2.
 9. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING FROM AREAS BEING RENOVATED WITHIN THE IDENTIFIED LIMIT OF WORK.
 10. PROVIDE A 60A/3P CIRCUIT BREAKER TO BE INSTALLED IN PANEL L3E IN THE SPACE WHERE EXISTING BRANCH CIRCUITS HAVE BEEN DISCONNECTED AND REMOVED. EXTEND A NEW PANELBOARD FEEDER CONSISTING OF 4 #6, 1 #8GND, IN A 1-1/4" CDT FROM THE NEW CIRCUIT BREAKER IN EXISTING PANEL L3E TO THE NEW PANELBOARD L3EA.
 11. PROVIDE A 70A/3P CIRCUIT BREAKER TO BE INSTALLED IN PANEL LL3 IN THE SPACE WHERE EXISTING BRANCH CIRCUITS HAVE BEEN DISCONNECTED AND REMOVED. EXTEND A NEW PANELBOARD FEEDER CONSISTING OF 4 #4, 1 #6GND, IN A 1-1/2" CDT FROM THE NEW CIRCUIT BREAKER IN EXISTING PANEL LL3 TO THE NEW PANELBOARD LL3A.
 12. PROVIDE A 100A/3P CIRCUIT BREAKER TO BE INSTALLED IN PANEL PM SECTION 1 LOCATED IN THE BASEMENT BOILER ROOM. INSTALL THE NEW CIRCUIT BREAKER IN THE SPACE WHERE EXISTING SPARE BREAKER #26,28,30 EXISTS. EXTEND A NEW PANELBOARD FEEDER CONSISTING OF 4 #2, 1 #8GND, IN A 1-1/2" CDT FROM THE NEW CIRCUIT BREAKER IN EXISTING PANEL PM TO THE NEW PANELBOARD M3.



PROVIDE SINGLE DUCT DETECTOR FOR HVAC UNITS SIZED 2000 CFM - 4000 CFM.
 PROVIDE DUCT DETECTORS IN BOTH SUPPLY AND RETURN DUCTS FOR HVAC UNITS SIZED ABOVE 4000 CFM.

HVAC FIRE ALARM INTERFACE WIRING DIAGRAM
 NOT TO SCALE

