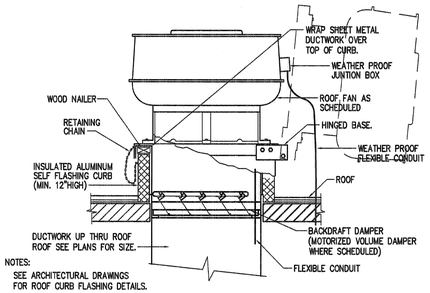
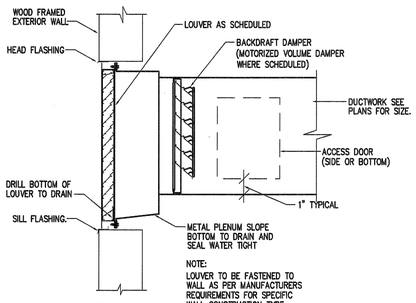


NOTES:
SEE ARCHITECTURAL DRAWINGS FOR ROOF CURB FLASHING DETAILS.

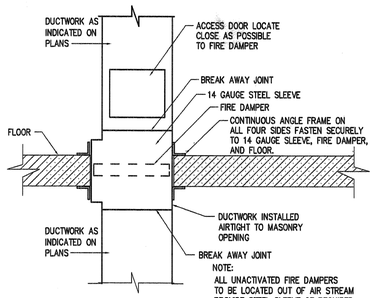
PROVIDE WEATHERPROOF JUNTION BOX AND WEATHERPROOF FLEXIBLE CONDUIT AS SHOWN FOR USE WITH EXPLOSION PROOF AND SPARK PROOF FANS ONLY.

1 ROOF-MOUNTED FAN
SCALE: NONE



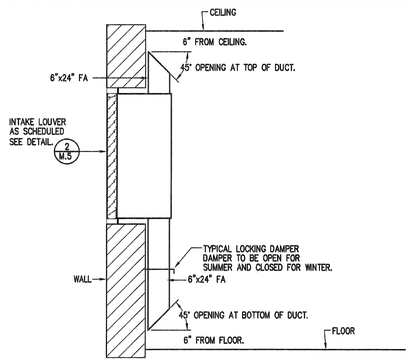
NOTE:
LOUVER TO BE FASTENED TO WALL AS PER MANUFACTURERS REQUIREMENTS FOR SPECIFIC WALL CONSTRUCTION TYPE.

2 TYPICAL LOUVER INSTALLATION
SCALE: NONE

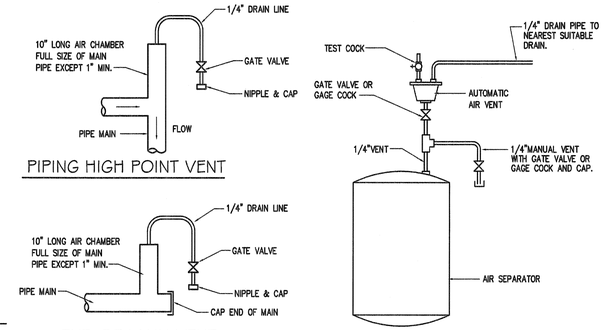


NOTE:
ALL UNACTIVATED FIRE DAMPERS TO BE LOCATED OUT OF AIR STREAM PROVIDE STEEL SLEEVE OF REQUIRED SIZE TO MAINTAIN FREE AREA.

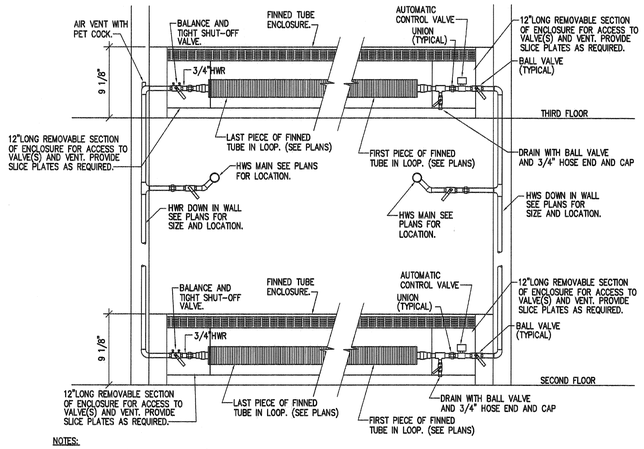
3 FIRE DAMPER INSTALLATION
SCALE: NONE



4 BOILER ROOM COMBUSTION AIR INLET
SCALE: NONE

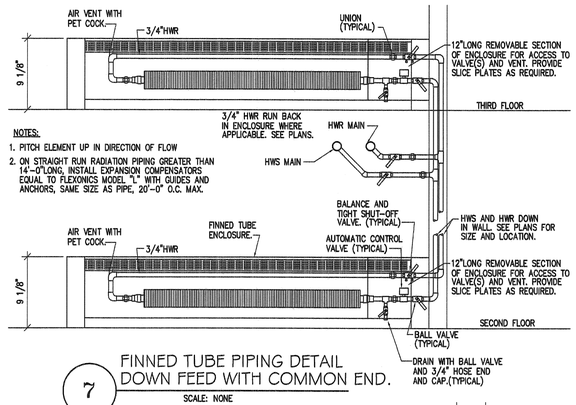


5 TYPICAL PIPE VENT DETAILS
SCALE: NONE



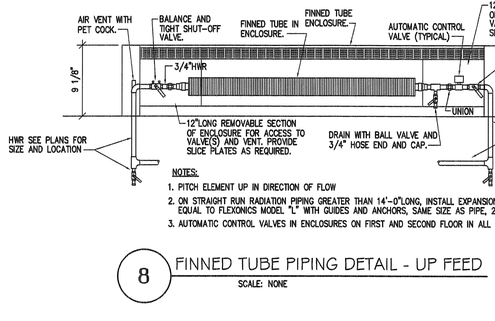
NOTES:
1. PITCH ELEMENT UP IN DIRECTION OF FLOW
2. ON STRAIGHT RUN RADIATION PIPING GREATER THAN 14'-0"LONG, INSTALL EXPANSION COMPENSATORS EQUAL TO FLEXONICS MODEL "L" WITH GUIDES AND ANCHORS, SAME SIZE AS PIPE, 20'-0" O.C. MAX.
3. AUTOMATIC CONTROL VALVES IN ENCLOSURES ON FIRST AND SECOND FLOOR IN ALL ROOMS.

6 FINNED TUBE PIPING DETAIL UP AND DOWN FEED
SCALE: NONE



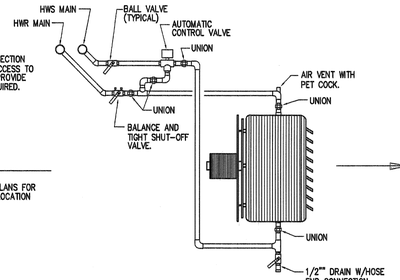
NOTES:
1. PITCH ELEMENT UP IN DIRECTION OF FLOW
2. ON STRAIGHT RUN RADIATION PIPING GREATER THAN 14'-0"LONG, INSTALL EXPANSION COMPENSATORS EQUAL TO FLEXONICS MODEL "L" WITH GUIDES AND ANCHORS, SAME SIZE AS PIPE, 20'-0" O.C. MAX.

7 FINNED TUBE PIPING DETAIL DOWN FEED WITH COMMON END.
SCALE: NONE

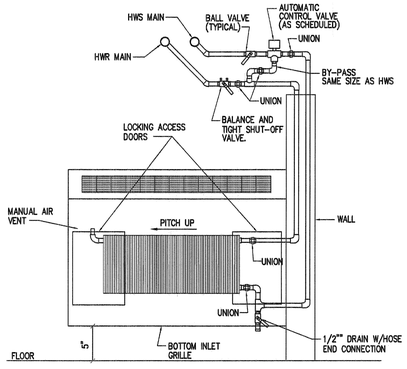


NOTES:
1. PITCH ELEMENT UP IN DIRECTION OF FLOW
2. ON STRAIGHT RUN RADIATION PIPING GREATER THAN 14'-0"LONG, INSTALL EXPANSION COMPENSATORS EQUAL TO FLEXONICS MODEL "L" WITH GUIDES AND ANCHORS, SAME SIZE AS PIPE, 20'-0" O.C. MAX.
3. AUTOMATIC CONTROL VALVES IN ENCLOSURES ON FIRST AND SECOND FLOOR IN ALL ROOMS.

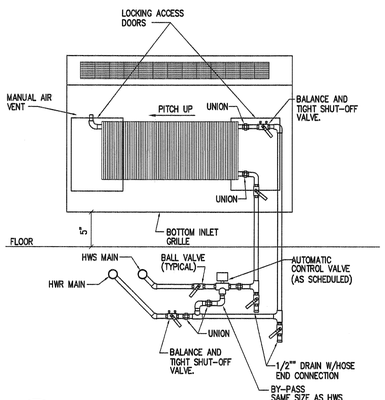
8 FINNED TUBE PIPING DETAIL - UP FEED
SCALE: NONE



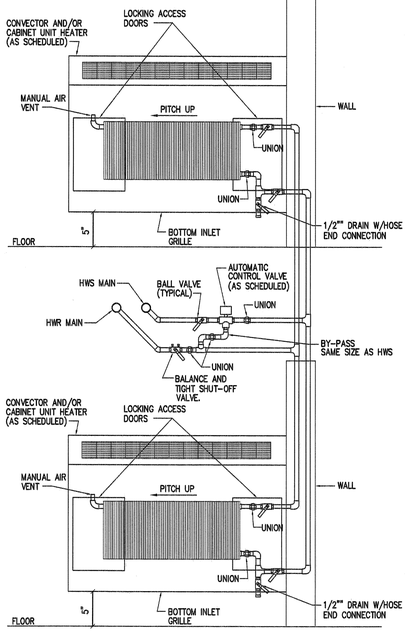
9 UNIT HEATER PIPING
SCALE: NONE



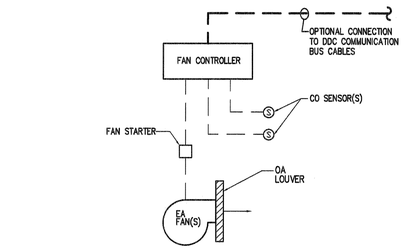
10 CABINET UNIT HEATER PIPING-DOWN FEED
SCALE: NONE



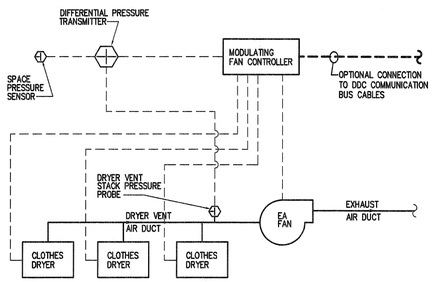
11 CABINET UNIT HEATER PIPING-DOWN FEED
SCALE: NONE



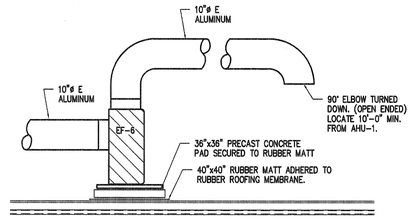
12 CONVECTOR/CABINET UNIT HEATER PIPING-UP AND DOWN FEED
SCALE: NONE



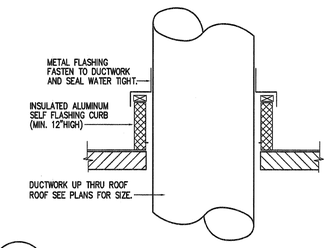
13 CONTROL SCHEMATIC - CARBON MONOXIDE EXHAUST SYSTEM
SCALE: NONE



14 CONTROL SCHEMATIC - MECHANICAL DRYER VENTING
SCALE: NONE



15 ROOF TOP FAN (EF-6) DETAIL
SCALE: NONE



16 ROOF TOP DUCT PENETRATION DETAIL
SCALE: NONE

STATE OF MAINE
JOSEPH W. MARUSKIS JR.
3172
REGISTERED PROFESSIONAL ENGINEER
11/8/05

FOR BIDDING 11/18/05

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Project:
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GILMAN STREET
PORTLAND, MAINE 04102

Scale: As Noted

Date:
REVISED NOV. 9, 2004.

Drawing:
MECHANICAL DETAILS

M.5