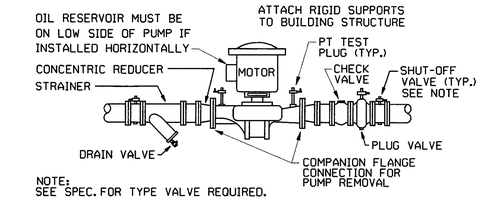
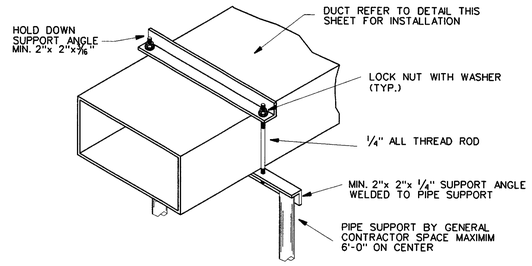


1 IN-LINE CIRCULATING PUMP DETAIL

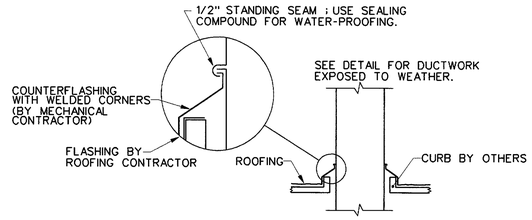
NO SCALE

BP-1 & BP-2



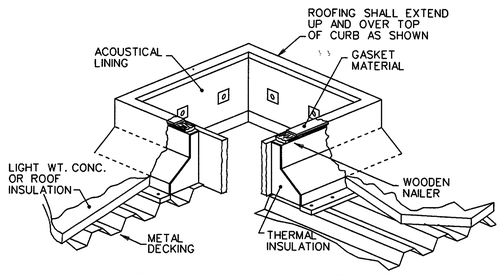
2 DUCT SUPPORT ON ROOF DETAIL

NO SCALE



6 DETAIL OF DUCT THRU ROOF

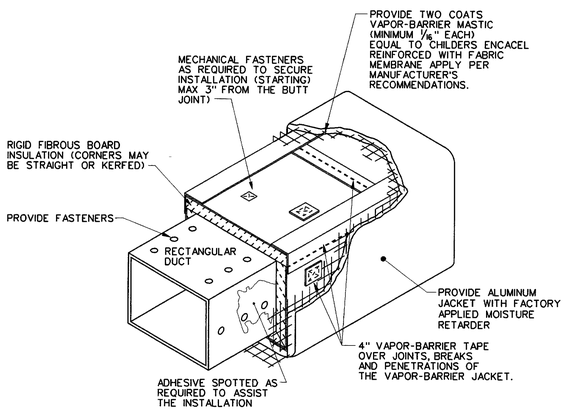
NO SCALE



CURB HEIGHT 12" TO 18" AS SET FORTH IN MECH. SPECS. SECURE CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS,OR OTHER METHODS CONSISTANT WITH ROOF CONSTRUCTION.

7 THERMAL/ACOUSTICAL ROOF CURB DETAIL

NO SCALE



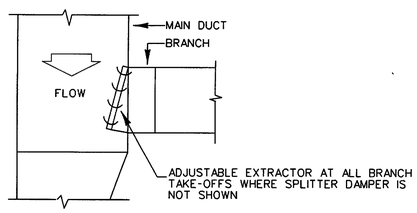
11 RECTANGULAR DUCT EXPOSED TO WEATHER

NO SCALE

(ROUND DUCTS SIMILAR EXCEPT FLEXIBLE INSULATION IN LIEU OF RIGID INSULATION)

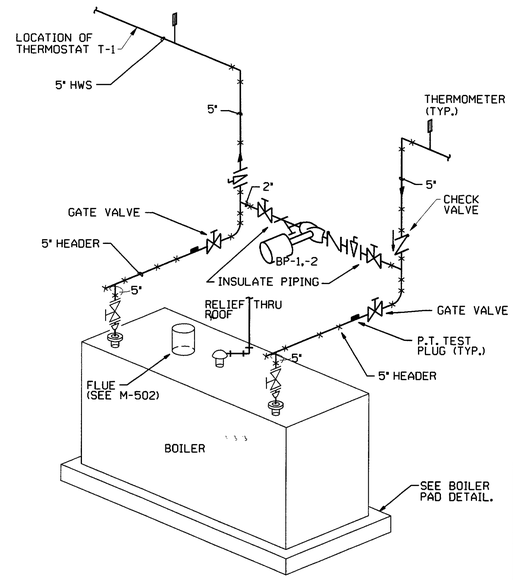
NOTES

1. DUCT TO HAVE DRIVE SLIP JOINTS.
2. ENCACEL FINISH TO BE WHITE.
3. SEE SPECIFICATION 15080A



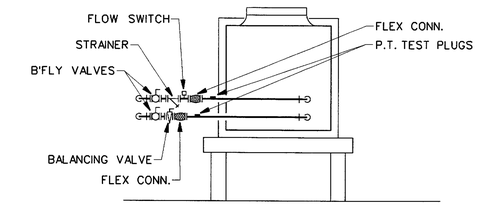
13 DETAIL FOR BRANCH TAKEOFFS

NO SCALE



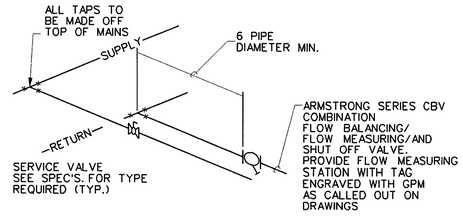
8 BOILER PIPING SCHEMATIC

NO SCALE



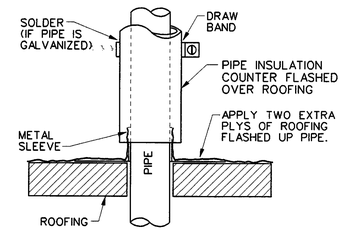
4 CHILLED WATER PIPING CONNECTION AT CHILLER CH-4

NO SCALE



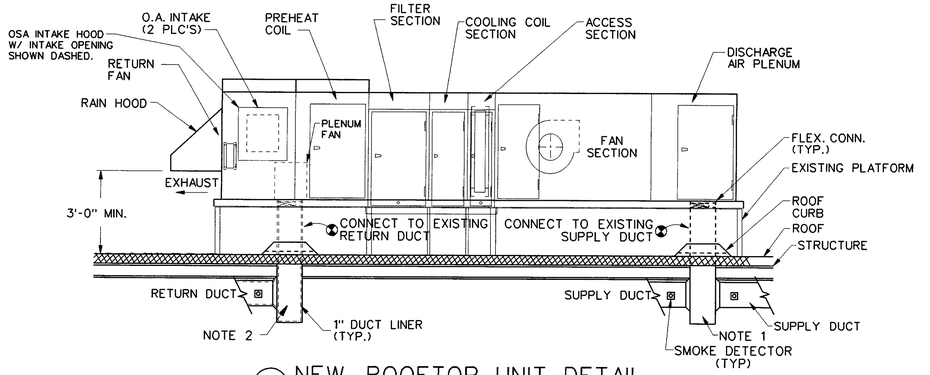
9 DETAIL OF PIPING AT FLOW MEASURING STATION

NO SCALE



10 PIPING THRU ROOF DETAIL

NO SCALE



12 NEW ROOFTOP UNIT DETAIL

NO SCALE

NOTES:

1. PROVIDE CONNECTION SIZE PLENUM. PLENUM TO BE CONSTRUCTED OF MINIMUM 12 GAUGE STEEL WITH ANGLE IRON REINFORCING. EXTERNALLY INSULATE WITH TWO LAYERS OF 1" DUCT BOARD.
2. PROVIDE CONNECTION SIZE PLENUM. PLENUM TO BE CONSTRUCTED OF MINIMUM 12 GAUGE STEEL WITH ANGLE IRON REINFORCING. INTERNALLY INSULATE WITH 1" DUCT LINER.
3. ADD ACCESS SECTIONS AS REQUIRED SUCH THAT NEW UNIT SUPPLY & RETURN OPENINGS ALIGN WITH EXISTING ROOF PENETRATIONS, WHERE NEW UNITS ARE SMALLER THAN EXISTING UNITS.
4. DETAIL IS DIAGRAMATIC. ACTUAL INSTALLATION REQUIREMENTS VARY DEPENDENT ON TYPE OF UNIT, HUMIDIFICATION REQUIREMENTS AND SIZE OF EXISTING BELOW ROOF PLENUM. SEE PLANS FOR INDIVIDUAL REQUIREMENTS.

THESE DOCUMENTS HAVE BEEN PREPARED PRIMARILY BASED ON INFORMATION PROVIDED BY OTHERS. I.C. THOMASSON HAS NOT VERIFIED THE ACCURACY OF ALL INFORMATION PROVIDED BY OTHERS. SEE LIMIT OF LIAIBILITIES STATEMENT ON COVER SHEET.

US ARMY ENGINEERING AND SUPPORT CENTER HUNTSVILLE

Symbol	Description	Date	Appr.

TASK ORDER #: FRR004

ENGINEERED BY ICT

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DACA87-03-D-0006	ICT Project No. 203121
Approved by: Chief, Prj. Mgmt. Division	Plot date: 02/27/04
	Plot scale:

DEFENSE INFORMATION SCHOOL
FT. MEADE
MARYLAND

MECHANICAL DETAILS

Sheet reference number:
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