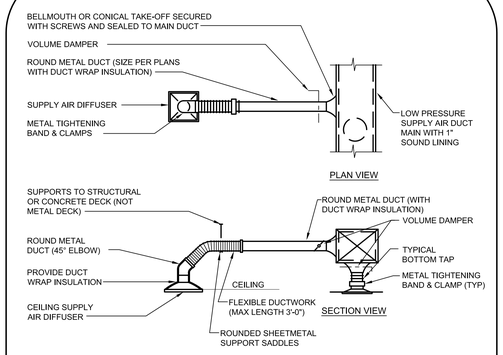
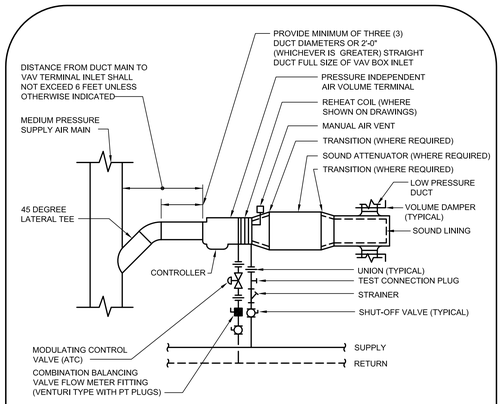


1 ROUND NECK DIFFUSER DETAIL

NO SCALE

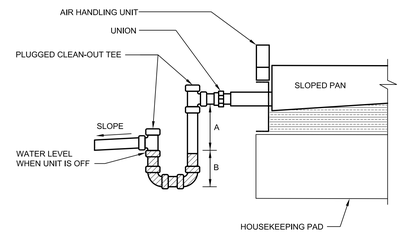
MDD033



2 SUPPLY VARIABLE AIR VOLUME TERMINAL DETAIL

NO SCALE

MDD037



A = TOTAL STATIC PRESSURE x 1.0"

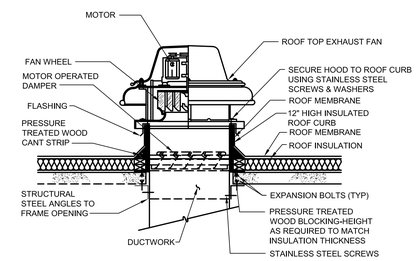
B = TOTAL STATIC PRESSURE x 0.5"

3 CONDENSATE DRAIN PIPING WITH DRAW THROUGH TRAP

NO SCALE

MDD058

NOTE: HOUSEKEEPING PAD SHALL BE A MINIMUM OF 4" IN HEIGHT AS REQUIRED TO ACCOMMODATE THE CONDENSATE TRAP INSTALLATION ABOVE THE FLOOR .

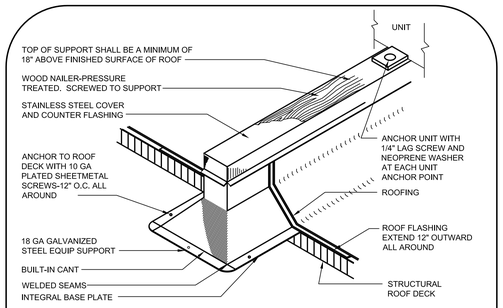


4 ROOF EXHAUST FAN DETAIL

NO SCALE

MDD062

NOTES:
1. CURBS AND FANS SHALL BE FROM SAME MANUFACTURER.
2. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.

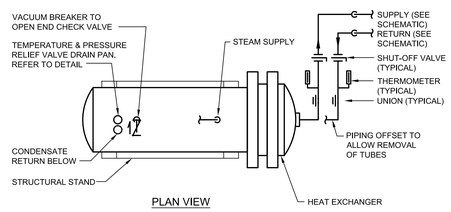


5 ROOF EQUIPMENT SUPPORT DETAIL

NO SCALE

MDD101

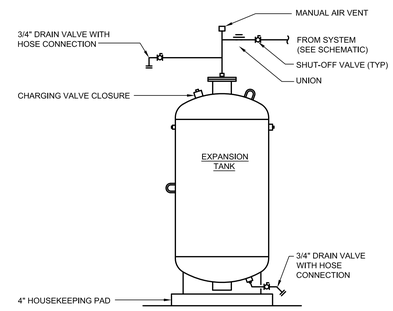
NOTES:
1. SUPPORTS SHALL REST ON STRUCTURAL ROOF DECK. PROVIDE RAISED CANT AND CUT EXISTING ROOF INSULATION AS REQUIRED.
2. EXTEND SUPPORTS AT LEAST 6" BEYOND UNIT ON EACH SIDE.
3. WHERE APPLICABLE, DUCTWORK SHALL BE INSTALLED SUCH THAT THE CENTERLINE OF THE DUCT AND THE INLET OF THE ASSOCIATED FAN ARE AT THE SAME ELEVATION. DUCTWORK SHALL BE A MINIMUM OF 18" ABOVE FINISHED SURFACE OF ROOF TO ALLOW FOR ROOF MAINTENANCE.
4. PROVIDE ROOF SUPPORTS FOR DUCTWORK AT 6' O.C.
5. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.



6 STEAM TO HEATING WATER CONVERTOR DETAIL

NO SCALE

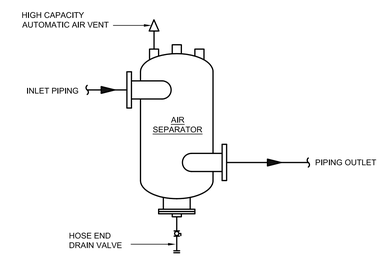
MDD115



7 EXPANSION TANK DETAIL

NO SCALE

MDD116



8 AIR SEPARATOR PIPING DIAGRAM

NO SCALE

MDD117

Additions:	Date:
Revisions:	

Consultants

BURDETTE KOEHLER MURPHY & ASSOCIATES, INC.
MECHANICAL / ELECTRICAL CONSULTING ENGINEERING
1423 CLARKVIEW ROAD, SUITE 500
BALTIMORE, MARYLAND 21209
410.323.0600 – FAX 410.377.2543

BUILDING COST CONSULTANTS
COST ESTIMATING
12917 – 30TH AVENUE
PLATTSMOUTH, NEBRASKA 68048
402.298.8260 – FAX 402.298.8290

Seal:

ARCHITECTURE PLANNING ENGINEERING
POLT DESIGN GROUP
1301 Enterprise Court, Suite 103-C 410.803.2141
Bel Air, Maryland 21014-1847 fax 410.838.1603
www.polt-design.com

Drawing Scale:
Drawing Start Date:
Drawing Finish Date:
Drawing Approved:

Drawing Title: MECHANICAL DETAILS
Approved: Associate Director for Operations:
Approved: Chief, Facilites Engineer:
Approved: Director, Medical Center:

Project Title: BUILDING 15 RENOVATION
Building No: 15
Checked: JDS
Drawn: CCH
Location: VAMHCS MEDICAL CENTER WILMINGTON, DELAWARE

Date: 12-19-2012
Project No: xxx-10-xxx
DRAWING NO: 15H-14
Dwg. – Of xx

DEPARTMENT OF VETERANS AFFAIRS

BKM# 070360.060