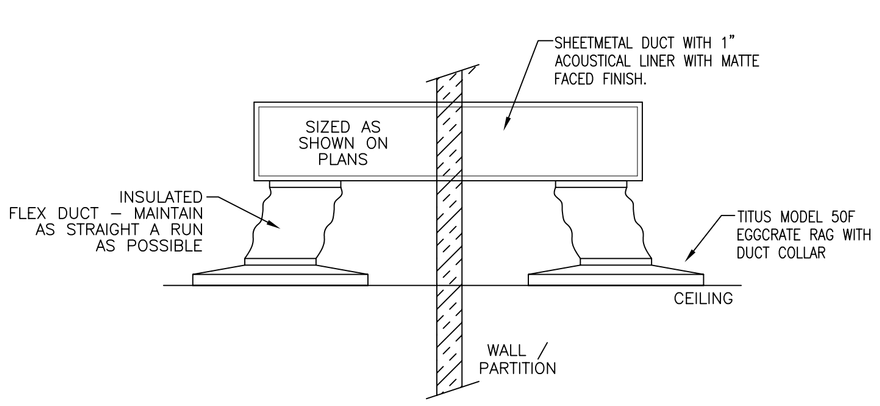
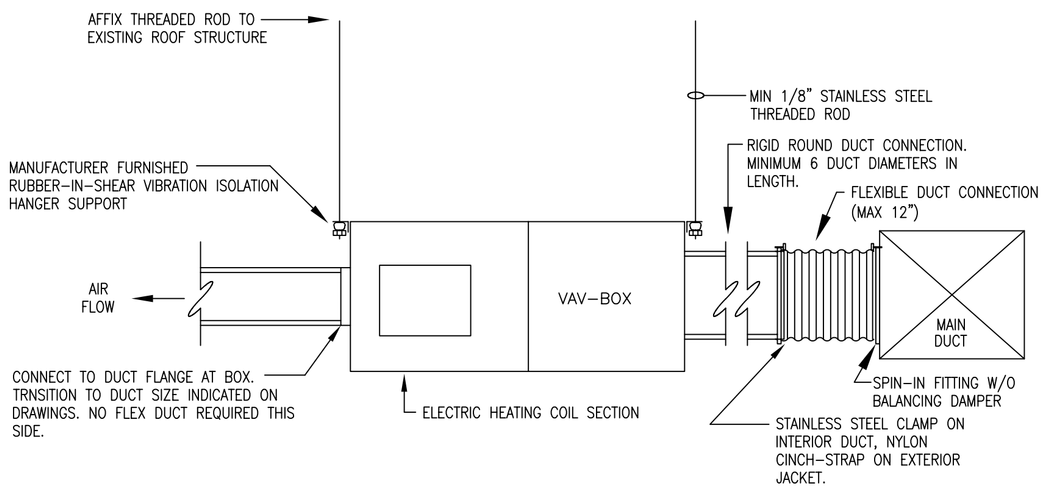


TRANSFER GRILL ASSEMBLY DETAIL

SCALE: NONE

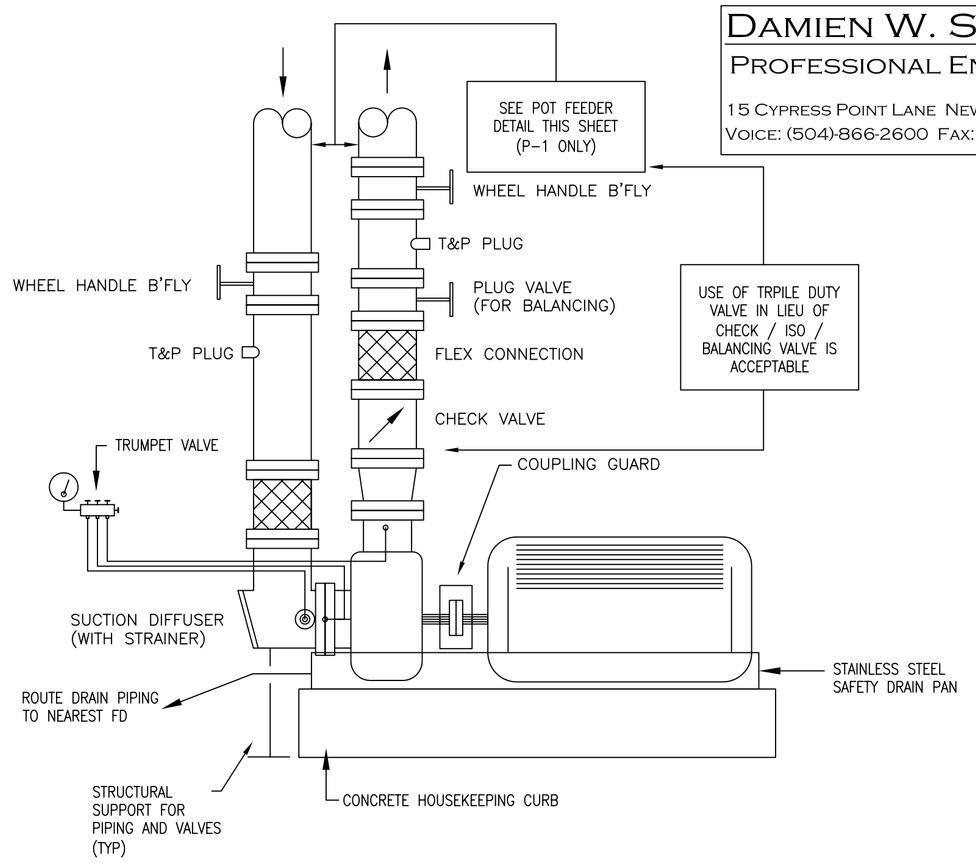
1 / M3.0



VAV BOX INSTALLATION DETAIL

SCALE: NONE

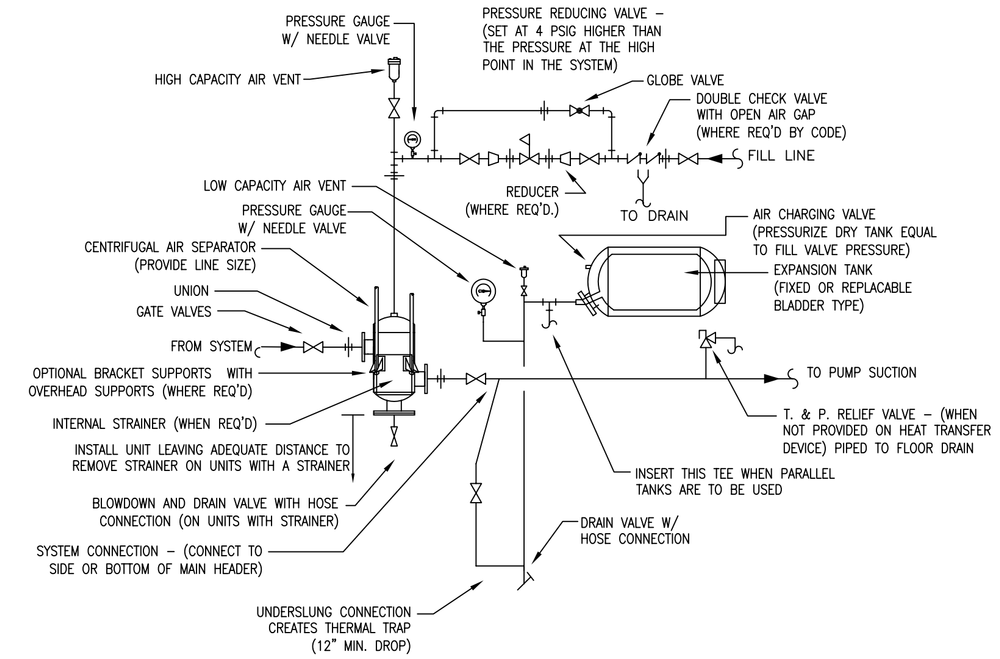
2 / M3.0



TYPICAL PUMP INSTALLATION DIAGRAM

SCALE: NONE

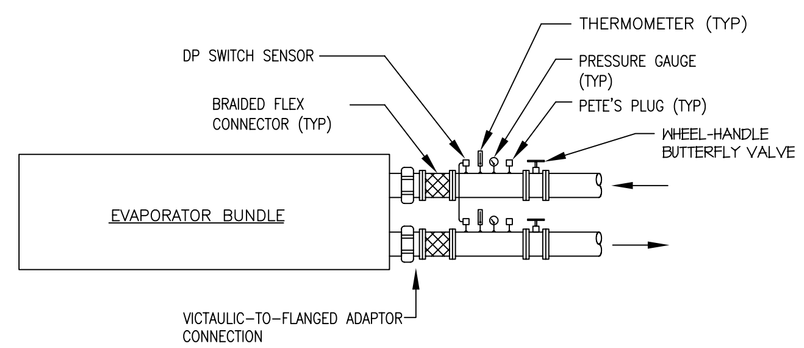
3 / M3.0



AIR SEPARATOR AND EXPANSION TANK DETAIL

SCALE: NONE

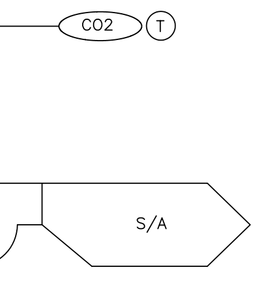
4 / M3.0



TYPICAL CHILLER CONNECTION DIAGRAM

SCALE: NONE

5 / M3.0

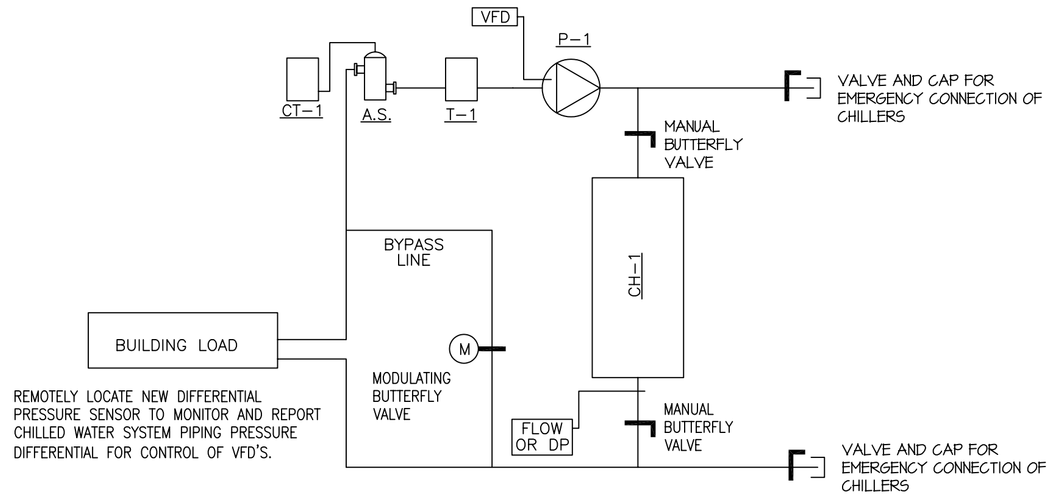


SEQUENCE OF OPERATION

ZONE CO2 SENSOR SHALL MEASURE THE ROOM AIR CONCENTRATION OF CARBON DIOXIDE. IF THE LEVEL OF CO2 SENSED IS LESS THAN THE SET POINT (ADJUSTABLE), THE OUTSIDE AIR DAMPER SHALL CLOSE AND RA DAMPER SHALL OPEN. IF THE CO2 CONCENTRATION IS ABOVE SETPOINT, THE OUTSIDE AIR DAMPER SHALL OPEN AND RA DAMPER SHALL CLOSE. THE DAMPERS SHALL MODULATE IN 5% FLOW INCREMENTS BETWEEN MIN AND MAX POSITIONS, AND THE DEMAND CONTROL VENTILATION SEQUENCE SHALL SAMPLE / CYCLE EVERY 10 MINUTES TO ELIMINATE INSTANTANEOUS HUNTING OF THE DAMPERS.

WHEN UNIT IS OFF, THE OUTSIDE AIR AND RA DAMPERS SHALL CLOSE FULLY. UPON UNIT STARTUP, THE OUTSIDE AIR DAMPER SHALL OPEN TO A MINIMUM CFM SETPOINT OF 20% OF FULL (MAX) FLOW AND RA DAMPER SHALL OPEN TO MAX FLOW (100%). ONCE OPERATING FOR A MINIMUM OF 10 MINUTES, THE DEMAND CONTROL VENTILATION SEQUENCE SHALL BEGIN.

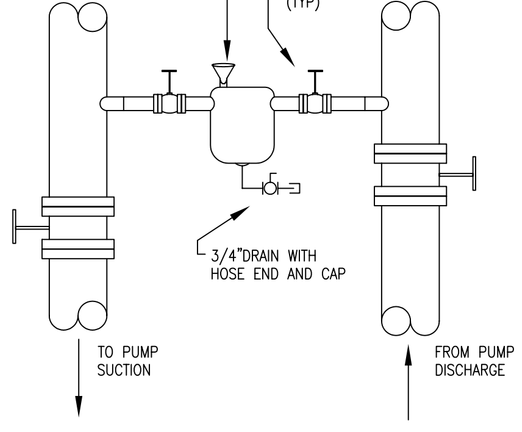
REFERENCE SHEETS M4.1 THROUGH M4.3 FOR ADDITIONAL SPECIFIC CONTROL SYSTEM INFORMATION AND SCHEMATICS.



CHILLED WATER FLOW DIAGRAM

SCALE: NONE

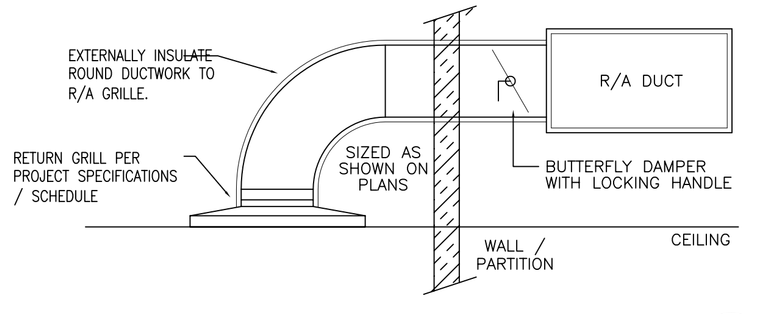
7 / M3.0



TYPICAL POT FEEDER INSTALLATION DIAGRAM

SCALE: NONE

8 / M3.0



RETURN GRILL ASSEMBLY DETAIL

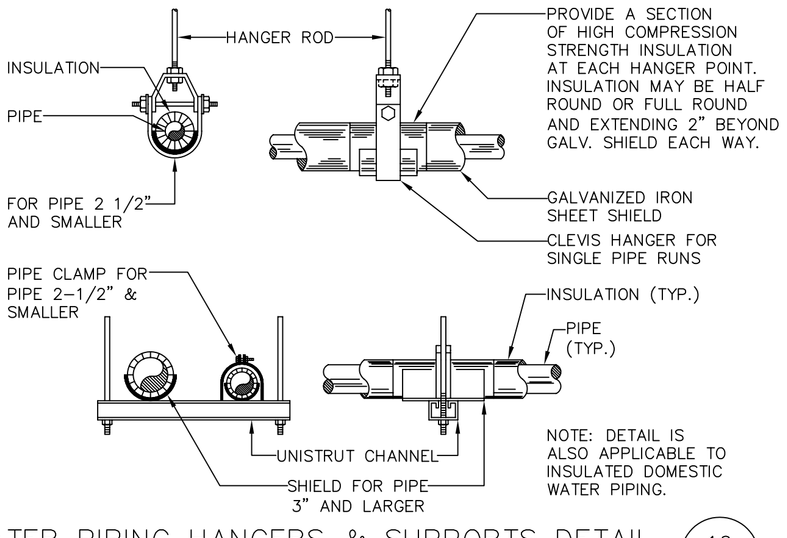
SCALE: NONE

9 / M3.0

DCV CONTROL SEQUENCE – AHU-2

SCALE: NONE

6 / M3.0



WATER PIPING HANGERS & SUPPORTS DETAIL

SCALE: NONE

10 / M3.0

DAMIEN W. SERAUSKAS, P.E.
PROFESSIONAL ENGINEERING SERVICES
15 CYPRESS POINT LANE NEW ORLEANS, LA 70131
VOICE: (504)-866-2600 FAX: (504)-218-8480

APPR	DATE	DESCRIPTION
DWS	06/10/2010	RECORD DRAWING AS-BUILT
DWS	06/10/2010	1

NAVFAC

DAMMON ENGINEERING, INC.
CHIEF ENGINEER P.MATT DAMMON, P.E.
CHIEF ARCHITECT R.ORPHET WILTSE
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SEPT 4, 2009

SEAL

REVIEWED BY: R. WILTSE
PM/DM: T. ARTRIP
CHIEF ENG/ARCH. P. DAMMON

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
IPT GULF COAST
MISSISSIPPI
JOHN C. STENNIS SPACE CENTER

SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY - PRE-FINAL

MECHANICAL DETAILS AND DIAGRAMS

CODE ID. NO. N4412	SIZE D
SCALE:	AS SHOWN
MAXIMO NO.	######
STA. PROJ. NO.	P-210
WORK ORDER NO.	510247
CONSTR. CONTR. NO.	N62467-05-D-0096
NAVFAC DRAWING NO.	15026735
SHEET	88 OF 132

M3.0

DRAWFORM REVISION: 01 JAN 2009

REVDATE: FILE NAME: C:\Stennis Riverine Facility\Stennis Mechanical As-Built CAD.dwg LAYOUT NAME: M3.0 PLOTTED: Wednesday, June 09, 2010 - 6:15pm