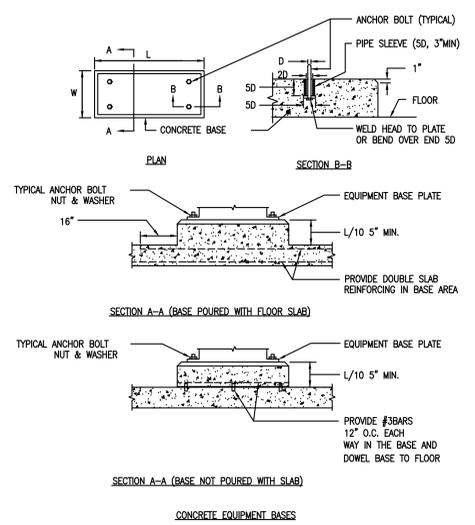
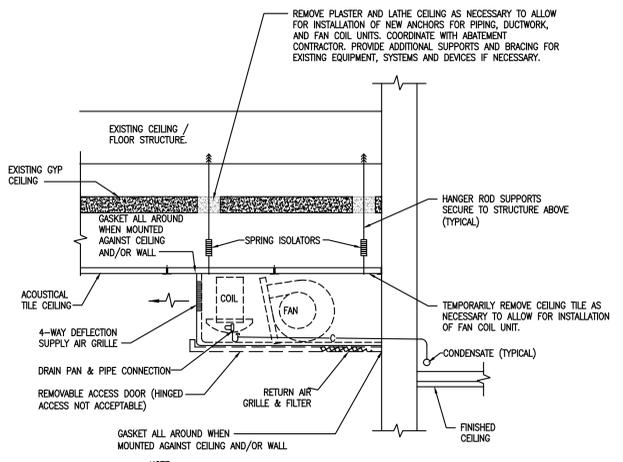


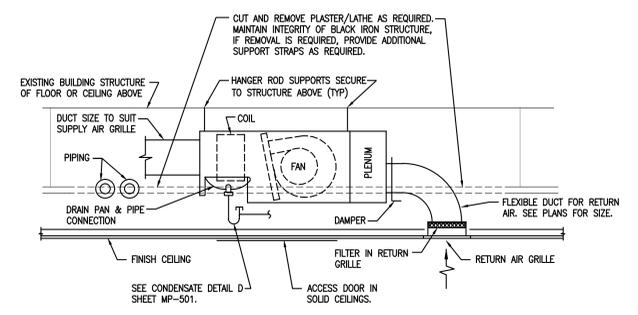
**A** TYPICAL METHOD OF SECURING HANGER RODS IN CONCRETE SLABS AND BEAMS  
NOT TO SCALE



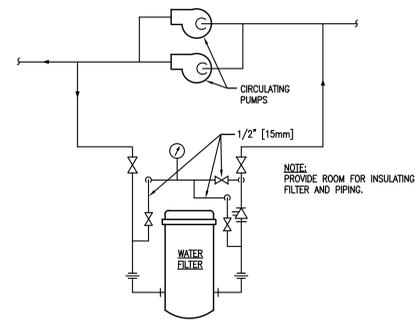
**B** CONCRETE EQUIPMENT BASES  
NOT TO SCALE



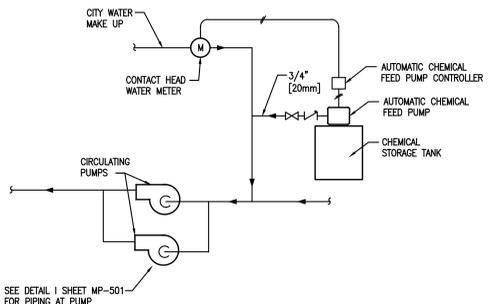
**C** EXPOSED HORIZONTAL FAN COIL UNIT #7-#11 MOUNTING DETAIL  
NOT TO SCALE



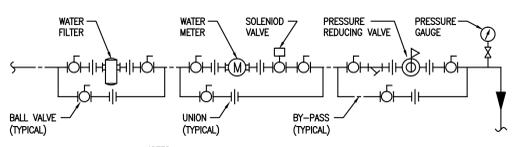
**D** CONCEALED HORIZONTAL FAN COIL UNIT WITH CEILING REMOVAL & MOUNTING  
NOT TO SCALE



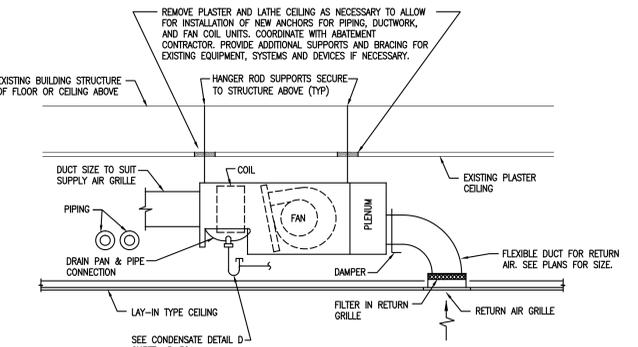
**E** TYPICAL PIPING CONNECTIONS TO WATER FILTERS FOR HEATING HOT WATER SYSTEMS  
NOT TO SCALE



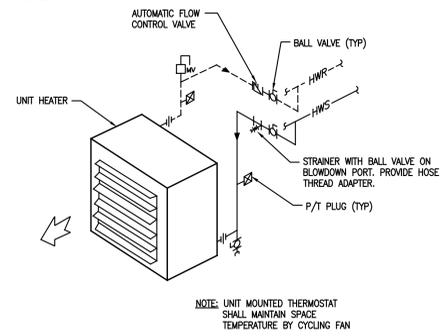
**F** TYPICAL HEATING HOT WATER CHEMICAL TREATMENT  
NOT TO SCALE



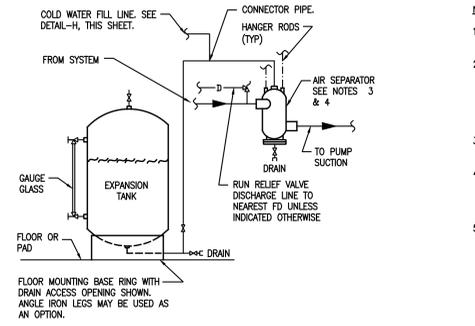
**G** HEATING HOT WATER SYSTEMS MAKE UP WATER  
NOT TO SCALE



**H** CONCEALED HORIZONTAL FAN COIL UNIT MOUNTING BELOW PLASTER CEILING  
NOT TO SCALE

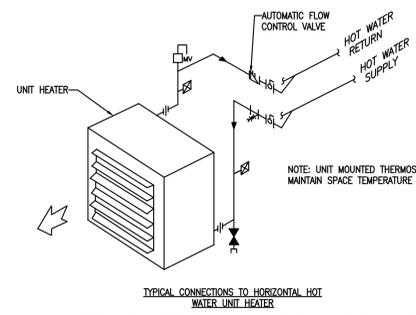


**I** TYPICAL PIPING CONNECTIONS TO HORIZONTAL HOT WATER UNIT HEATERS  
NOT TO SCALE

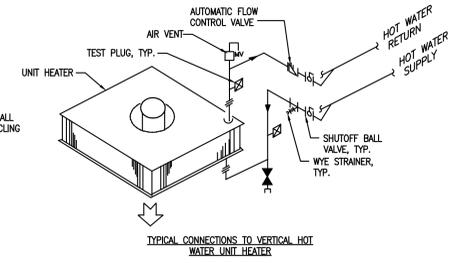


**J** AIR CONTROL AND PIPING CONNECTIONS FOR HEATING HOT WATER SYSTEMS WITH FLOOR MOUNTED EXPANSION TANK  
NOT TO SCALE

- NOTES:**
- SEE EXPANSION TANK SYSTEM SCHEDULE FOR COMPONENT SIZES.
  - RELIEF VALVE FOR CHILLED WATER SYSTEM IS SHOWN. OMIT WHEN RELIEF VALVE IS SHOWN ON HEAT EXCHANGER DETAIL & SYSTEM IS USED ONLY FOR HOT WATER HEATING. COMBINATION HEATING & COOLING SYSTEMS WILL REQUIRE THE RELIEF VALVE.
  - PROVIDE STRAINER IN AIR SEPARATOR WHEN INDICATED IN EXPANSION TANK SCHEDULE.
  - FOR HOT WATER SYSTEMS 2" (50mm) AND SMALLER AND CHILLED WATER SYSTEMS USE IN-LINE AIR PURGER IN LIEU OF AIR SEPARATOR.
  - SET PRESSURE REDUCING VALVE SO PRESSURE AT HIGHEST POINT IN SYSTEM HAS A MINIMUM OF 4 PSIG (28kPa).



**K** UNIT HEATERS (HOT WATER) PIPING CONNECTIONS  
NOT TO SCALE



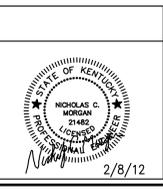
BID DOCUMENTS

Office of Construction and Facilities Management

Department of Veterans Affairs

Revisions:	Date:

CONSULTANTS:



ARCHITECT/ENGINEERS:

**CMW Inc.**

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Drawing Title	REPLACE HVAC B-29 MECHANICAL DETAILS - PIPING
Project Title	VA MEDICAL CENTER, LEX., KY
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Building Number	B-29 (LD)
Location	VA MEDICAL CENTER, LEX., KY
Date	February 08, 2012
Checked	NCM
Drawn	GI
Review For Design Concept Only	<i>D. J. Morgan</i> CONTR. DESIGN B-09 02-2012

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Dwg. 37 of 61	