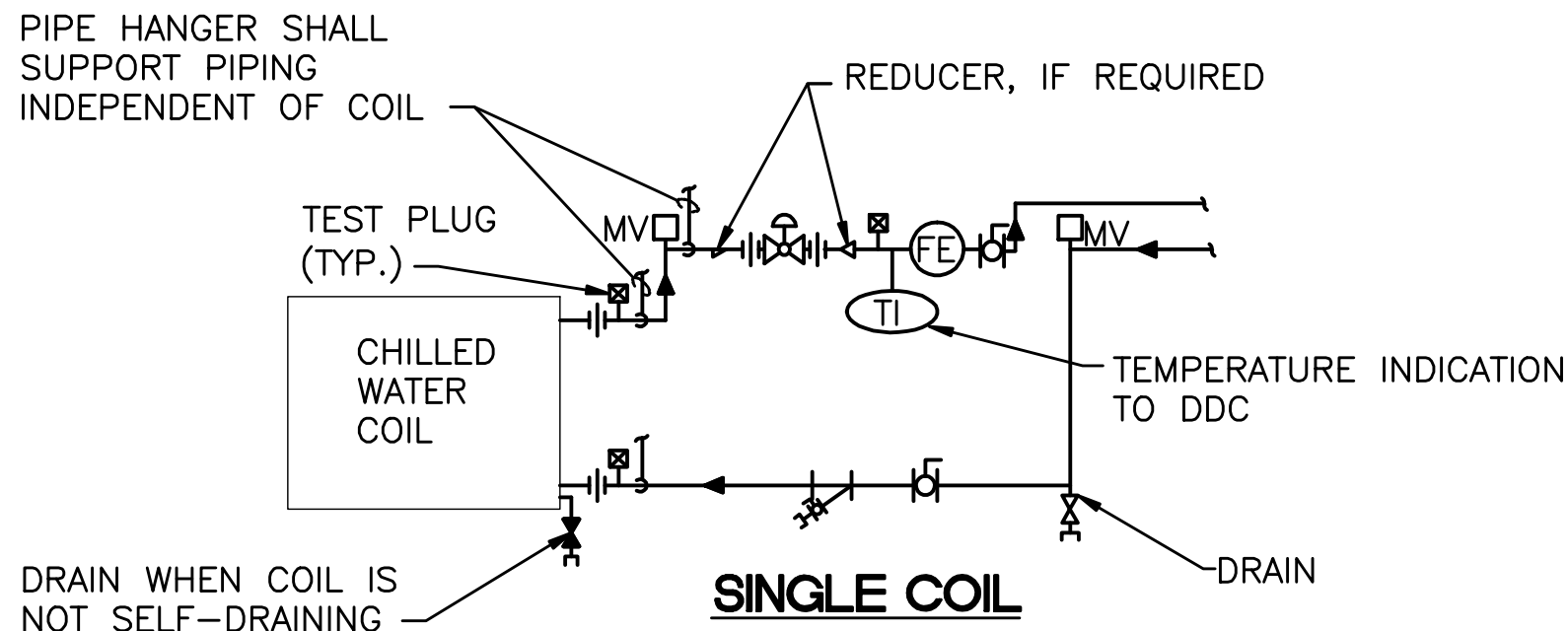


GENERAL NOTES

ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL, OR STANDING ON PERMANENT PLATFORMS, WITHOUT THE USE OF PORTABLE LADDERS. EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO: ALL TYPES OF VALVES, FILTERS AND STRAINERS, TRANSMITTERS, CONTROL DEVICES.



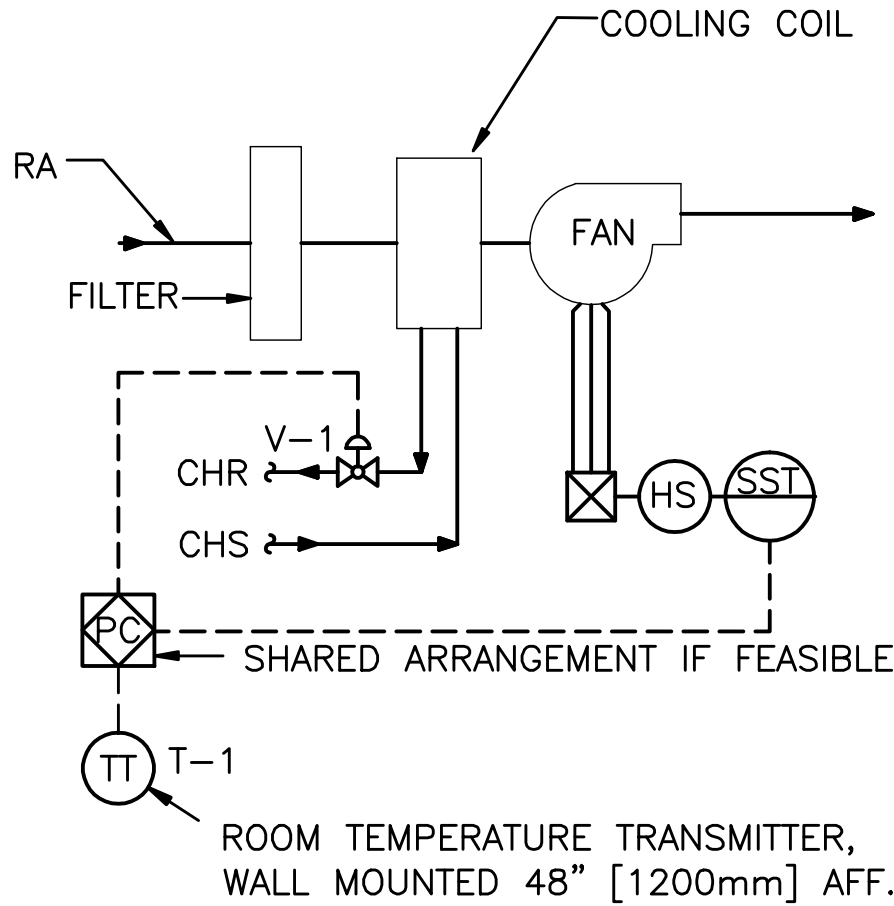
NOTE:

1. WHEN COIL IS INCLUDED IN CASING MOUNTED ON VIBRATION ISOLATORS THE FIRST 2 HANGERS FOR EACH PIPE SHALL BE SPRING & NEOPRENE TYPE. TYPE "H" FOR 4" [100mm]Ø PIPE & SMALLER. TYPE "H-P" FOR 5" [125mm]Ø PIPE & LARGER.
2. PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS; NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALVES, OR EQUIPMENT.
3. THE FLOW ELEMENT MAY BE INSTALLED IN THE SUPPLY PIPING IF THE REQUIRED MINIMUM UPSTREAM AND DOWNSTREAM DIMENSIONS CANNOT BE OBTAINED IN THE RETURN PIPING.

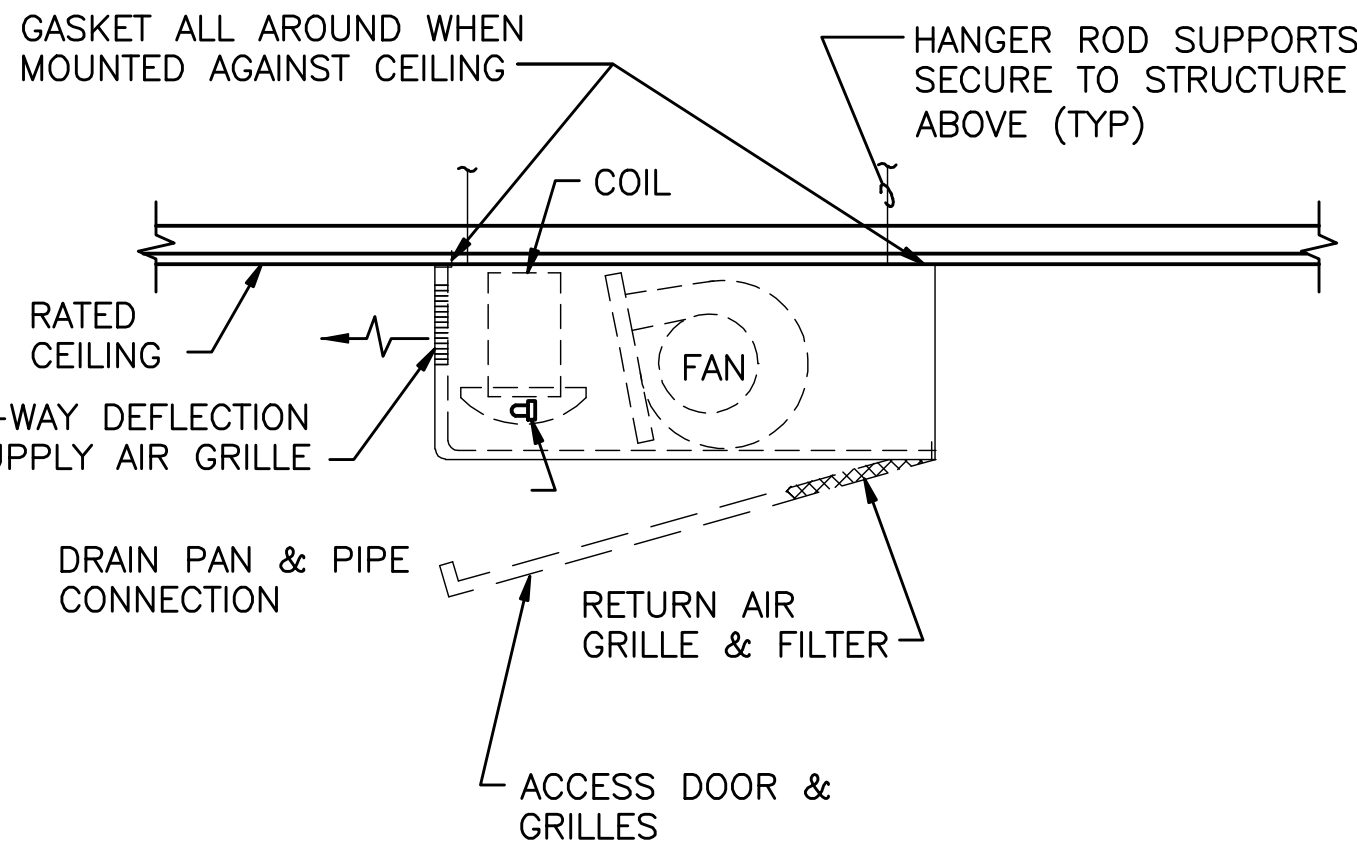
3 WATER COILS - PIPING CONNECTIONS
NTS

FAN COIL SEQUENCE OF OPERATION (COOLING ONLY)

1. FAN COIL UNIT SHALL OPERATE ON A SCHEDULE AS SET BY THE DDC.
2. MODULATE V-1 TO MAINTAIN SPACE SET POINT AND FAN SHALL CYCLE W/TEMPERATURE. FAN SHALL BE ENERGIZED BY MOTOR STARTER (SST) AND CONTROL BY THE BUILDING CONTROLS SYSTEM (PC).
3. ALARM IF SPACE TEMPERATURE OUTSIDE OF RANGES.
4. 1-FCUC & 2-FCUC SHALL BE 100% REDUNDANT. THE PRIMARY UNIT SHALL ALTERNATE ON A WEEKLY BASIS. THE SECONDARY UNIT SHALL ENERGEIZE UPON FAILURE OF PRIMARY UNIT. FAILURE OF EITHER UNIT SHALL BE ALARMED AT THE BUILDING CONTROL SYSTEM INTERFACE (PC).
5. UNITS SHALL INTERFACE WITH EXISTING JCI METASYS CONTROLS SYSTEM. COORDINATE WITH VA HOSPITAL AND LOCAL JCI REPRESENTATIVE FOR NEAREST INTERFACE POINT.



2 COOLING ONLY FAN COIL UNIT CONTROLS
NTS



NOTE:
UNLESS OTHERWISE NOTED, ALL UNITS SHALL BE MOUNTED AGAINST FINISHED CEILING.

1 FAN COIL UNIT - HORIZONTAL EXPOSED
NTS

COOLING ONLY TWO PIPE FAN COIL UNIT SCHEDULE

COOLING ONLY TWO PIPE FAN COIL UNIT SCHEDULE																		
MARK	LOCATION	TYPE	FAN AIRFLOW	EXTERNAL APD	COOLING REQUIREMENTS				CIRCULATING WATER				FAN MOTOR					REMARKS
					MIN SENS CAPACITY	MIN TOTAL CAPACITY	EAT		FLOW	EWT	WPD	RUNOUT SIZE	POWER	PHASE	VOLT	RPM	SPEED CONTROL	
							Db	Wb										
			CFM	IN WG	BTUH	BTUH	°F	°F	GPM	°F	FT	IN	HP					
1-FCUC	ELEVATOR MACHINE RM	HORIZONTAL	1950	.1	42000	55000	80	66	10	42	10	1.0	1	1	120	1750	--	-----
2-FCUC	ELEVATOR MACHINE RM	HORIZONTAL	1950	.1	42000	55000	80	66	10	42	10	1.0	1	1	120	1750	--	-----

- NOTE
- ◇ UNIT SHALL BE PROVIDED WITH CONDENSATE PUMP
 - ◇ PROVIDE AUXILIARY DRAIN PAN
 - ◇ FAN COIL UNITS ARE 100% REDUNDANT

PUMP SCHEDULE

MARK	LOCATION	SYSTEM AND/OR SERVICE	TYPE	FLUID	CIRCULATING FLUID			ELECTRICAL MOTOR					REMARKS
					FLOW GPM	HEAD FT	SP. GR.	NOMINAL POWER HP	PHASE	VOLT	AMPS	SPEED CONTROL	
SP-1	ELEVATOR SUMP	SUMP PUMP	WATER	WATER	12	20	1	0.5	1	115	2.9	CONSTANT	-----

- NOTE
- ◇ SELECTION BASED ON DAYTON PUMP MODEL 3YU73.

CONSULTANTS:

ARCHITECT/ENGINEERS:

POND
Architects • Engineers • Planners
3500 Parkway Lane
Suite 600
Norcross, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

Copyright © 2011 by Pond & Company. All rights reserved. No copying or duplication of these documents is allowed without the express written agreement of Pond & Company

Drawing Title
MECHANICAL DETAILS, SCHEDULES, AND CONTROLS

Approved: Project Director

Project Title
Birmingham VA
Replacement of Elevators
Eight and Nine

Location
700 South 19th St. Birmingham, AL

Date
FEBRUARY 2, 2011

Checked
JRS

Drawn
KJF

Project Number
521-10-114
Building Number
1A

Drawing Number
MS401
Dwg. 14 of 18

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

READY TO ADVERTISE SUBMITTAL