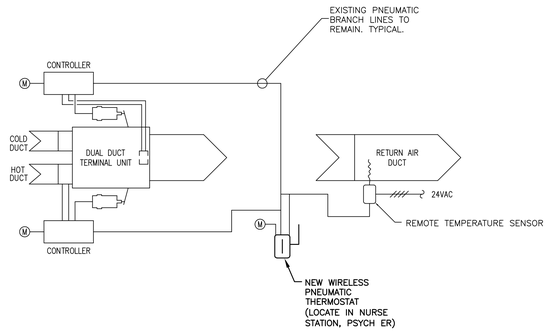
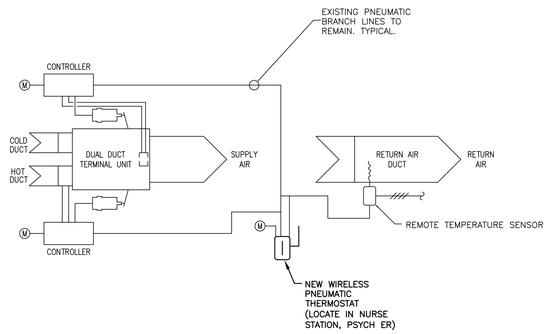
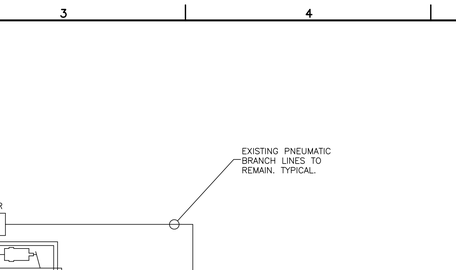


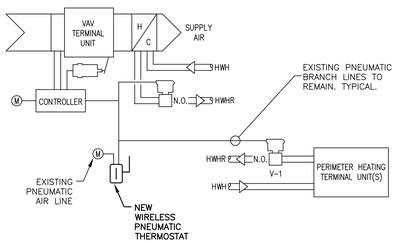
DUAL-DUCT (VARIABLE AIR FLOW) TERMINAL UNIT WITH REMOTE SENSOR CONTROL EQUIPMENT DETAIL



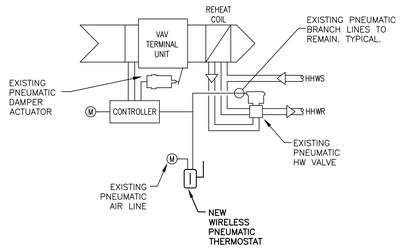
DUAL-DUCT (CONSTANT VOLUME) TERMINAL UNIT WITH REMOTE SENSOR CONTROL EQUIPMENT DETAIL



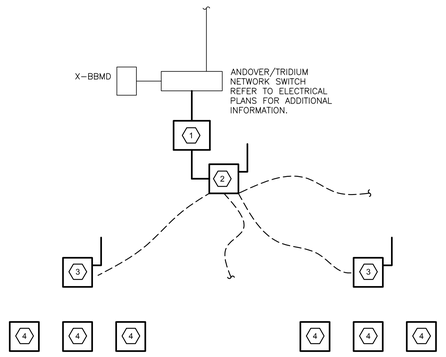
TYPICAL DUAL-DUCT (VARIABLE AIR FLOW) TERMINAL UNIT CONTROL EQUIPMENT DETAIL



TYPICAL SINGLE-DUCT VAV (W/ REHEAT) TERMINAL UNIT WITH PERIMETER HEAT CONTROL EQUIPMENT DETAIL



TYPICAL SINGLE-DUCT VAV (W/ REHEAT) TERMINAL UNIT CONTROL EQUIPMENT DETAIL



WPT SYSTEM ARCHITECTURE

1. WPT CONTROLLER (TYPICAL).
2. USB HUB.
3. WIRELESS REPEATER.
4. WIRELESS PNEUMATIC THERMOSTAT (WPT).

TEMPERATURE CONTROLS NOTES:

A. THE WPT SYSTEM SHALL BE FULLY INTEGRATED INTO THE EXISTING ANDOVER AND TRIDIUM BUILDING AUTOMATION SYSTEMS. THE INTEGRATION SHALL INCLUDE INDIVIDUAL REMOTE PROGRAMMING OF EACH TEMPERATURE ZONE (WPT), REMOTE MONITORING OF BRANCH PRESSURE, REMOTE MONITORING OF TEMPERATURE SETPOINTS AND ROOM TEMPERATURES, PROGRAMMABLE SETBACKS, INDOOR TEMPERATURE POLICY SETPOINTS, OCCUPANCY OVERRIDE LOG, SYSTEM DIAGNOSTICS, AUTOMATIC CALIBRATION, ETC.

B. EACH NEW CONTROLLER BOX SHALL BE CONNECTED VIA LAN LINE TO THE EXISTING ANDOVER AND TRIDIUM BUILDING AUTOMATION SYSTEMS.

C. EACH WPT SHALL BE PROGRAMMED BASED ON THE 'WPT IMPLEMENTATION SCHEDULE', THIS DRAWING.

WPT PROGRAM IMPLEMENTATION SCHEDULE:

PROGRAM	TEMPERATURE SETPOINT POLICY		NIGHT AND WEEKEND SETBACK?
	SUMMER	WINTER	
INDOOR AREA DESIGN CONDITIONS	Db °F	Db °F	
EXAMINATION ROOM	75	70	YES
TOILET ROOM	–	68	YES
PATIENT ROOM	78	78	NO
WAITING	75	70	YES
CORRIDOR	75	70	NO
OFFICE	75	70	YES
BREAK ROOM	75	70	YES
NURSES STATION	75	70	NO

NOTES:

1. NIGHT SETBACK SHALL BE BETWEEN 5:00PM AND 7:00AM MONDAY THROUGH FRIDAY. WEEKEND SETBACK SHALL BE BETWEEN 5:00PM FRIDAY AND 7:00AM MONDAY.
2. DURING SETBACK, TEMPERATURE SETPOINTS SHALL WIDEN +3.0 DEG F IN THE SUMMER AND −3.0 DEG F IN THE WINTER. (ADJUSTABLE)
3. TEMPERATURE DEADBAND POLICY FOR NORMAL OPERATION SHALL −/+ 1.0 DEG.F OF TEMPERATURES LISTED IN THE ABOVE SCHEDULE.

FOR CONSTRUCTION

FULLY SPRINKLERED

Bid Issue	03-30-15
Revisions:	**Date**

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Drawing Title: **TEMPERATURE CONTROLS**

Approved: Project Director

Project Title: **CONVERT PNEUMATIC VAV BOXES TO DDC CONTROL**

Location: **VAMC - WADE PARK**

Date: 03-30-15 | Checked: **LDH** | Drawn: **LDH**

Project Number: 541-15-202

Building Number: 1

Drawing Number: **1-ME2**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978