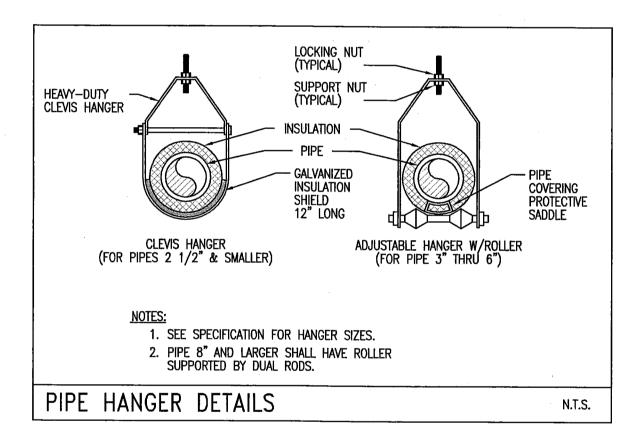


N.T.S.



## **SEQUENCES OF OPERATION:**

## **GENERAL SCOPE OF WORK:**

THE TEMPERATURE CONTROL WORK ON THIS PROJECT SHALL BE FIELD INSTALLED AND SHALL MATCH EXISTING HOSPITAL BUILDING AUTOMATION SYSTEM. THE BAS SHALL BE A FULLY DISTRIBUTED DDC SYSTEM WITH ELECTRONIC ACTUATION. AREAS FOR CONTROL PANEL INSTALLATION HAVE BEEN INDICATED ON "M" DRWGS. NOTIFY ARCHITECT BEFORE BID DATE IF OTHER AREAS ARE REQUIRED FOR INSTALLATION.

## **GENERAL SYSTEM STARTUP:**

THE HVAC SYSTEM, INCLUDING TERMINAL EQUIPMENT, AND EXHAUST FANS, SHALL BE CYCLED THROUGH THE ACTION OF THE DDC SYSTEM AS DESCRIBED HEREIN. SUBMIT PROPOSED SEQUENCE OF OPERATION, POINTS LIST AND SCHEMATIC BEFORE BID DATE FOR EQUIPMENT NOT SHOWN HEREIN.

## EXHAUST FAN:

CENTRALLY CONTROLLED

SHALL ENERGIZE UPON A SIGNAL FROM THE DDC SYSTEM. OWNER TO DETERMINE FINAL SCHEDULE.

POINTS LIST										
LOCATION	SYSTEM/POINT	DO	Di	AO	Al	COMMENTS				
ROOF	EXHAUST FAN START/STOP	. •								
	EXHAUST FAN LOW PRESSURE				•	PRESSURE SENSOR				

GENERAL ZONE CONTROL  DEDICATED, SINGLE SENSOR ZONES SHALL BE CONTROLLED FROM SENSORS AS SHOWN ON "M" DRAWINGS. THE VARIABLE VOLUME (VAV) TERMINAL UNIT IS CONTROLLED INDEPENDENT OF SYSTEM PRESSURE FLUCTUATIONS BY AN APPLICATION. SPECIFIC DDC CONTROLLER USING ELECTRIC ACTUATION. THE SPACE SERVED BY THE VAV TERMINAL UNIT IS CONTROLLED AS FOLLOWS:  ZONE CONTROL  THE VAV TERMINAL UNIT IS CONTROLLED BETWEEN MAXIMUM AND MINIMUM SUPPLY AIR VOLUME SETTINGS. THE CONTROLLER MONITORS THE ROOM TEMPERATURE SENSOR AND AIR VELOCITY SENSOR AND MODULATES THE SUPPLY AIR DAMPER IN SEQUENCE WITH THE REHEAT VALVE TO MAINTAIN THE ROOM TEMPERATURE AT SET POINT.  SYSTEM/POINT DO DI AO AI COMMENTS  SREHET VALVE  SUPPLY AIR DAMPER  SPACE TEMPERATURE SUPPLY AIR VOLUME  SYSTEM/POINT DO DI AO AI COMMENTS  SERVED VALVE  SUPPLY AIR VOLUME  SUPPLY AIR VOLUME  SUPPLY AIR VOLUME  VAV REHEAT TERMINAL  SPACE TEMPERATURE SENSOR  VAV REHEAT TERMINAL  SPACE TEMPERATURE SENSOR		POINTS LIST								
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			HEATING G		ZON	NE PPLY AIR	T) SPACE TEMPERATURE			

Neill and Gunter

MECHANICAL DETAILS AND ELEVATIONS

ARCHITECTS INTERIORS PLANNERS

**55 GREEN STREET** PORTSMOUTH, NH 03801 T 603.436.2551 F 603.436.6973 www.jsainc.com

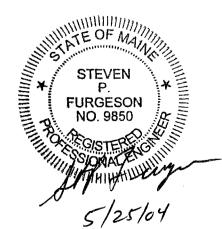
**NEILL & GUNTER, Inc.** Design and Consulting Engineers Scarborough, Maine

**RENOVATIONS TO RICHARD'S 3rd FLOOR** 

MAINE MEDICAL CENTER Portland, Maine

AS NOTED Scale: Project Number: 03-103

Date: MAY 25, 2004 Revisions:



CONSTRUCTION **DOCUMENTS**