

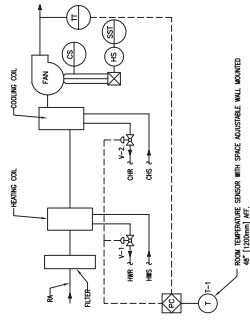


## EQUANT CEILING PANEL (ROP) SEQUENCE OF OPERATION

1. RADIANT CEILING PANELS SHALL OPERATE ON A SCHEDULE AS SET BY WALL MOUNTED THERMOSTAT 1-STAGE.
2. FOR COOLING SEASONS, UPON RISE IN TEMPERATURE ABOVE SPACE SETPOINT FOR RSP CONTROL, WALL VALVE FOR COOLING SHALL MODULATE OPEN TO MAINTAIN RSP SETPOINT. RSP SETPOINT SHALL BE 2 DEGREE (F) (A/C) HIGHER THAN THE SETPOINT OF THE EXISTING RADIANT CEILING PANELS.
3. FOR HEATING SEASONS, UPON FALL IN TEMPERATURE BELOW SPACE SETPOINT FOR RSP, RSP CONTROL VALVE FOR HEATING SHALL MODULATE TO OPEN TO MAINTAIN RSP SETPOINT. RSP SETPOINT SHALL BE 2 DEGREE (F)(A/C) LOWER THAN THE SETPOINT OF THE EXISTING RADIANT CEILING PANELS.

FAN COIL UNIT (FCU) SEQUENCE OF OPERATION (NONPATIENT ROOMS)

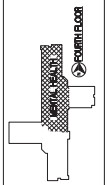
1. FAN COIL SHALL OPERATE ON A SCHEDULE AS SET BY THE WALL MOUNTED PROGRAMMABLE THERMOSTAT.
2. 1-5/8" FAN COIL SHALL HAVE CONTROLS/VALVES IN COPIED ROOM.
3. IN UNOCCUPIED ROOMS, FAN SHALL RUN ONLY IF THE SPACE TEMPERATURE IS FIVE DEGREES (5) ABOVE THE SETPOINT.
4. (F) TUNING TANK ON-OCCUPIED ROOMS SPACE SETPOINT POINT OF THE EXISTING AIRFLOW TERMINAL.
5. FAN COIL COOLING CAPACITY SHALL BE IN TEMPERATURE ABOVE SPACE SETPOINT FOR FAN 1-2/3" FAN COIL SHALL BE 2.5 (2.5) TON.
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④ FOUR PIPE FAN COIL UNIT CONTROLS

	ISSUED FOR BID	4/1/2004
	BEST CD SUBMISSION	9/3/2004
	DESIGN DEVELOPMENT SUBMISSION	1/9/2004
	Finalists	Date

**KEYPI ANE**



## ENGINEERS + CONSULTANTS

**EPSTEIN**

Architecture  
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Construction

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Chicago, IL 60661-1299  
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[www.epsteindesign.com](http://www.epsteindesign.com)

## ARCHITECT + ENGINEERS:

**Bancroft**  
BANCROFT ARCHITECTS + ENGINEERS

700 Second St., Suite 103  
Berkeley, CA 94702  
Tel: 415-863-0262 Fax: 415-863-0203

## Drawing Title

APPROVED PROJECT DIRECTOR

## Project Title

Renovate Building 228 4th Floor, Mental Health	Location HHS, L	Checked YW
Date 4/4/2004		

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**Construction  
and Facilities  
Management**

HVAC DESIGN DATA									
DESIGN CONDITIONS	SUMMER				WINTER				LOWEST ANNUAL DESIGN TEMP ° F
	TEMP		% HUMIDITY		TEMP		% HUMIDITY		
	° F	° C	%	(C)	° F	° C	%	(C)	° F
OUTDOOR DESIGN CONDITIONS	88	(30)	75	(25)	-5	(-20)	-15	(-23)	NA
INDOOR AREA DESIGN CONDITIONS									
CONFERENCE	75	(24)	NA		55	32	(21)	NA	20
CORRIDOR	75	(24)	NA		55	32	(21)	NA	20
ELECTRICAL CLUSTERS	88	(31)	NA		NA	55	(15)	NA	NA
BRKFAST ROOM	75	(24)	NA		55	32	(21)	NA	20
OFFICE	75	(24)	NA		55	32	(21)	NA	20
TOILET	77	(25)	NA		55	32	(21)	NA	20
RETAIL	NA		NA		NA	55	(15)	NA	NA
WIPING	75	(24)	NA		55	32	(21)	NA	20
LOCKER ROOM	75	(24)	NA		55	32	(21)	NA	20
COPY/PRINTING ROOM	75	(24)	NA		NA	70	(21)	NA	NA

MARK	TYPE	AIR FLOW				MAX VPO	MOUNTING	NECK SIZE				REMARKS					
		MIN		MAX				R <sub>1</sub> (mm)	R <sub>2</sub> (mm)	N	FINISH	NC	DAMP	FINISH	REMARKS		
		CM	IN	CM	IN												
A	SQUARE FLANGE	0	1	100	1710	(40)	124	100 x 600	8	124	4	124	13	NOISE	WHITE	ROD 7/16x3.0MM	
B	SQUARE FLANGE	0	1	300	1430	(56)	124	100 x 600	8	124	4	124	21	NOISE	WHITE	ROD 7/16x3.0MM	
C	SQUARE FLANGE	0	1	300	1430	(56)	124	100 x 600	8	124	4	124	21	NOISE	WHITE	ROD 7/16x3.0MM	
D	LEVER FLUT	0	1	220	1300	(42)	124	540	(100 x 600)	8	124	4	124	30	NOISE	WHITE	ROD 7/16x3.0MM
																1. NOISE 100% IN PLANT, 10% OUT PLANT	



