

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

5 ROOF EXHAUST FAN CONTROL DIAGRAM
NTS

JOB: 796-13-004		POINT LEGEND		SYSTEM OUTPUTS		SYSTEM INPUTS		SYSTEM SOFTWARE/CONTROL		PAGE:
BUILDING: BUILDING 37				BINARY	ANA- LOG	BINARY	ANALOG	ALARM PROCESSING	APPLICATION/FUNCTION	
SYSTEM: EXHAUST FAN		POINT ID	ABBREVIATION	EXHAUST FAN START/STOP	EXHAUST FAN STATUS	EXHAUST FAN VFD ALARM	SPACE STATIC PRESSURE	EXHAUST FAN START/STOP	EXHAUST FAN VFD STATUS	REMARKS
SYSTEM COMPONENT:				BI-1	EF-ST5					
EXHAUST FAN STATUS		BI-1	EF-ST5							
EXHAUST FAN START/STOP		BO-1	EF-SST							

6 POINTS LIST FOR ROOF EXHAUST FAN EF-1
NTS

1 VAV AIR TERMINAL UNIT CONTROL DIAGRAM
NTS

JOB: 796-13-004		POINT LEGEND		SYSTEM OUTPUTS		SYSTEM INPUTS		SYSTEM SOFTWARE/CONTROL		PAGE:
BUILDING: BUILDING 37				BINARY	ANA- LOG	BINARY	ANALOG	ALARM PROCESSING	APPLICATION/FUNCTION	
SYSTEM: VAV TERMINAL UNIT										
		POINT ID	ABBREVIATION	DISCHARGE TEMPERATURE	ZONE TEMPERATURE	ATU AIRFLOW (CFM)	ATU MAXIMUM CFM SETPOINT	ATU MINIMUM CFM SETPOINT	ATU DAMPER POSITION	REMARKS
SYSTEM COMPONENT:										
ATU DISCHARGE TEMPERATURE		AI-1	DAT							
ZONE TEMPERATURE		AI-2	ZONET							
ATU AIRFLOW (CFM)		AI-3	ATUF							
		AI-4								
		AI-5								
ATU MAXIMUM CFM SETPOINT		AO-1	MAXAF							
ATU MINIMUM CFM SETPOINT		AO-2	MINAF							
ATU DAMPER POSITION		AO-3	DAMP%							
		AO-4								

2 POINTS LIST FOR VAV TERMINAL UNIT
NTS

3 ROOF EXHAUST FAN CONTROL DIAGRAM
NTS

JOB: 796-13-004		POINT LEGEND	SYSTEM OUTPUTS		SYSTEM INPUTS		SYSTEM SOFTWARE/CONTROL				PAGE:			
BUILDING: BUILDING 37			BINARY	ANA- LOG	BINARY	ANALOG	ALARM PROCESSING	APPLICATION/FUNCTION						
SYSTEM: EXHAUST FAN		POINT ID	ABBREVIATION	SPACE STATIC PRESSURE	EXHAUST FAN STATUS	EXHAUST FAN VFD ALARM	EXHAUST FAN VFD	EXHAUST FAN START/STOP	SPACE STATIC PRESSURE	EXHAUST FAN STATUS	EXHAUST FAN VFD ALARM	EXHAUST FAN VFD	EXHAUST FAN START/STOP	REMARKS
SYSTEM COMPONENT:				AI-1	SSP	BI-1	EF-ST5	BI-2	EF-ALA	AO-1	EF-SPD	BO-1	EF-SST	
SPACE STATIC PRESSURE														
EXHAUST FAN STATUS														
EXHAUST FAN VFD ALARM														
EXHAUST FAN VFD														
EXHAUST FAN START/STOP														

EXHAUST FAN OPERATION SHALL BE INCORPORATED INTO EXISTING RT SEQUENCES. WHEN RT IS IN ECONOMIZER MODE EF BACKDRAFT DAMPER SHALL OPEN, EF SHALL BE ENABLED AND MODULATE TO MAINTAIN A SPACE STATIC PRESSURE OF 0.05 IN WG.

4 POINTS LIST FOR ROOF EXHAUST FAN EF-2
NTS

CONSULTANTS:		ARCHITECT/ENGINEERS:		TEMPERATURE CONTROLS		Project Title HINES BUILDING 37 O1 AND T. FIELD OFFICES - PHASE 3 OFFICE AND RESTROOM RENOVATIONS		Project Number 796-13-004		Office of Construction and Facilities Management Department of Veterans Affairs	
				Approved: Project Director		Location VA OFFICE OF ACQUISITION AND LOGISTICS HINES, ILLINOIS		Building Number 37			
100% CONSTRUCTION DOCUMENTS FOR BID 04-12-13		Kluber, Inc. 10 South Shumway Batavia, Illinois 60510 tel. 630.406.1213 fax 630.406.9472 www.kluberinc.com				Date 04-12-13		Checked DDW			
95% CONSTRUCTION DOCUMENTS SUBMITTAL 03-12-13						Drawn DDW		Drawing Number 37 - M401			
50% CONSTRUCTION DOCUMENTS SUBMITTAL 02-08-13								Dwg. 16 of 32			
Revisions:											