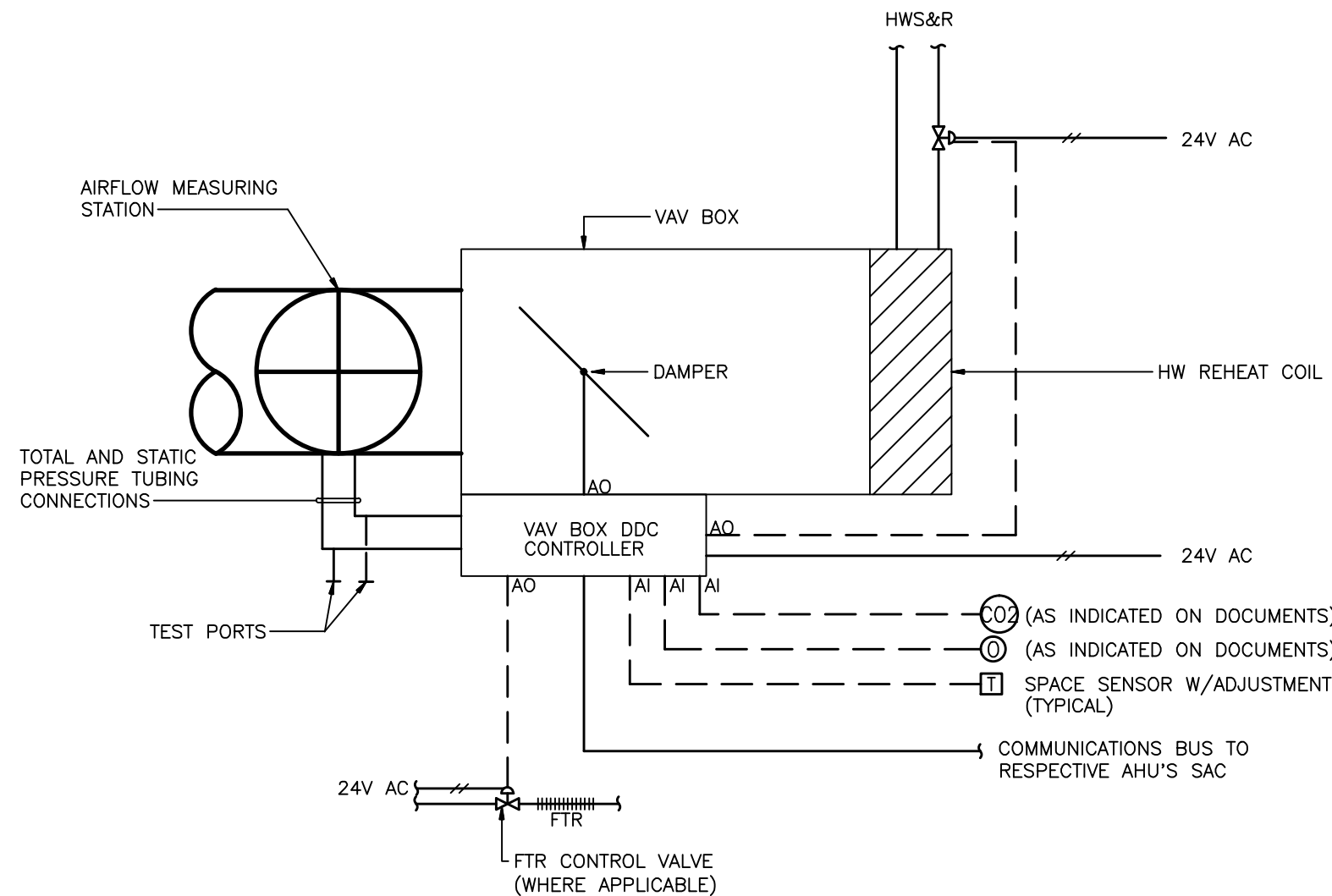


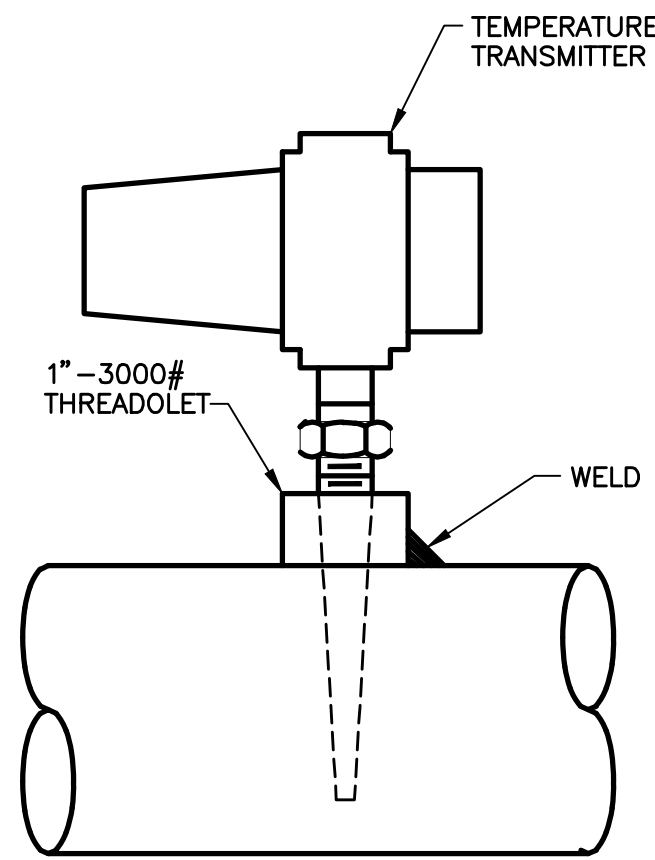
NOTES:  
1. PROVIDE PROOF OF FAN FLOW FOR EACH FAN WITH CURRENT SENSOR.

**TYPICAL LABORATORY EXHAUST FAN CONTROL SCHEMATIC**

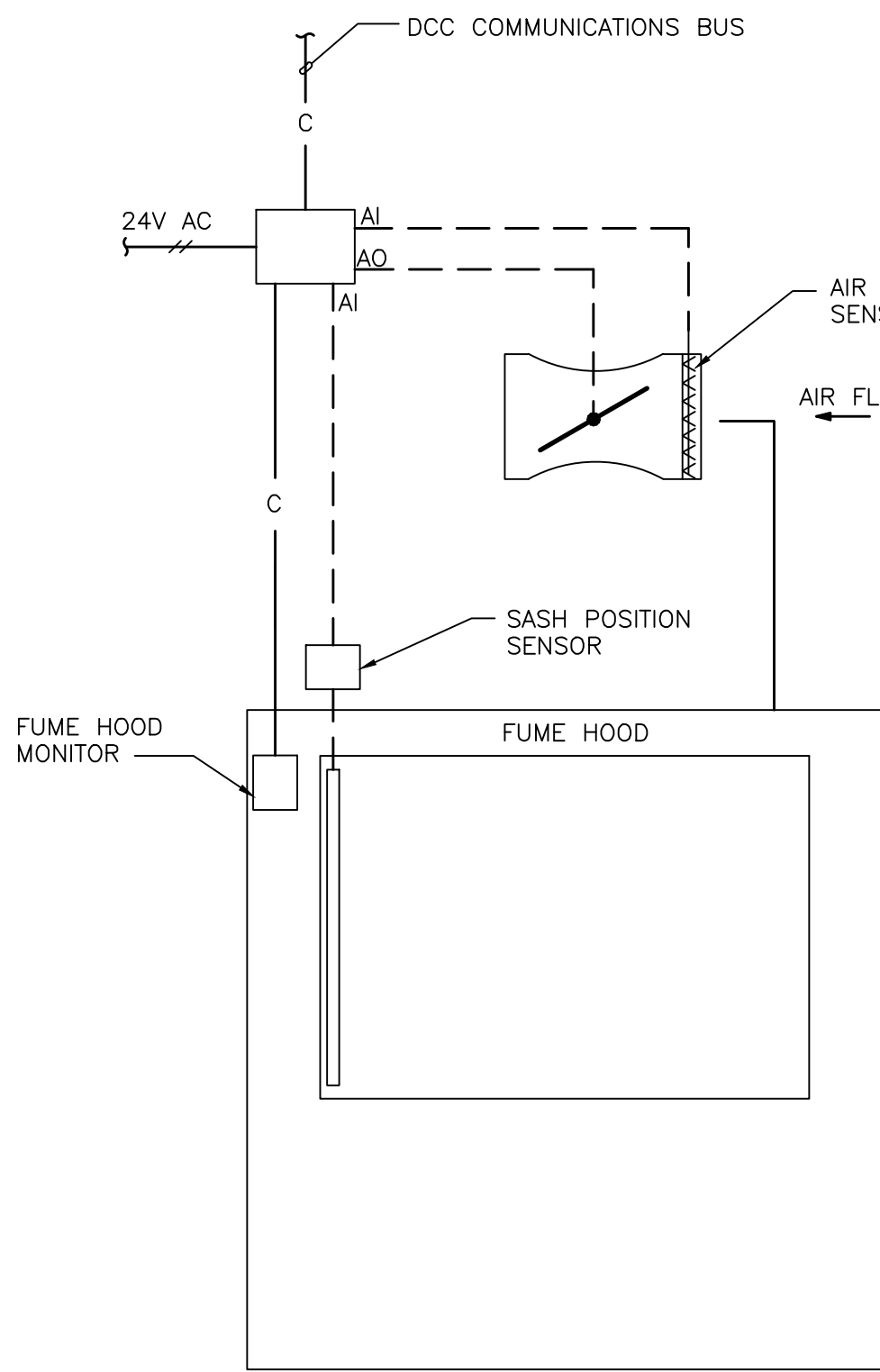


NOTES:  
1. CONTRACTOR SHALL PROVIDE ALL POWER, SIGNAL, AND CONTROL WIRING TO EACH VAV BOX. CONTRACTOR SHALL PROVIDE ALL 120V TO 24V TRANSFORMERS  
2. VAV BOX CONTROLLERS SHALL BE FACTORY MOUNTED ON VAV BOX. ATC VENDOR SHALL FURNISH CONTROLLERS FOR INSTALLATION BY VAV BOX MANUFACTURER.

**TYPICAL VAV BOX CONTROLS DIAGRAM**  
(NOT TO SCALE)

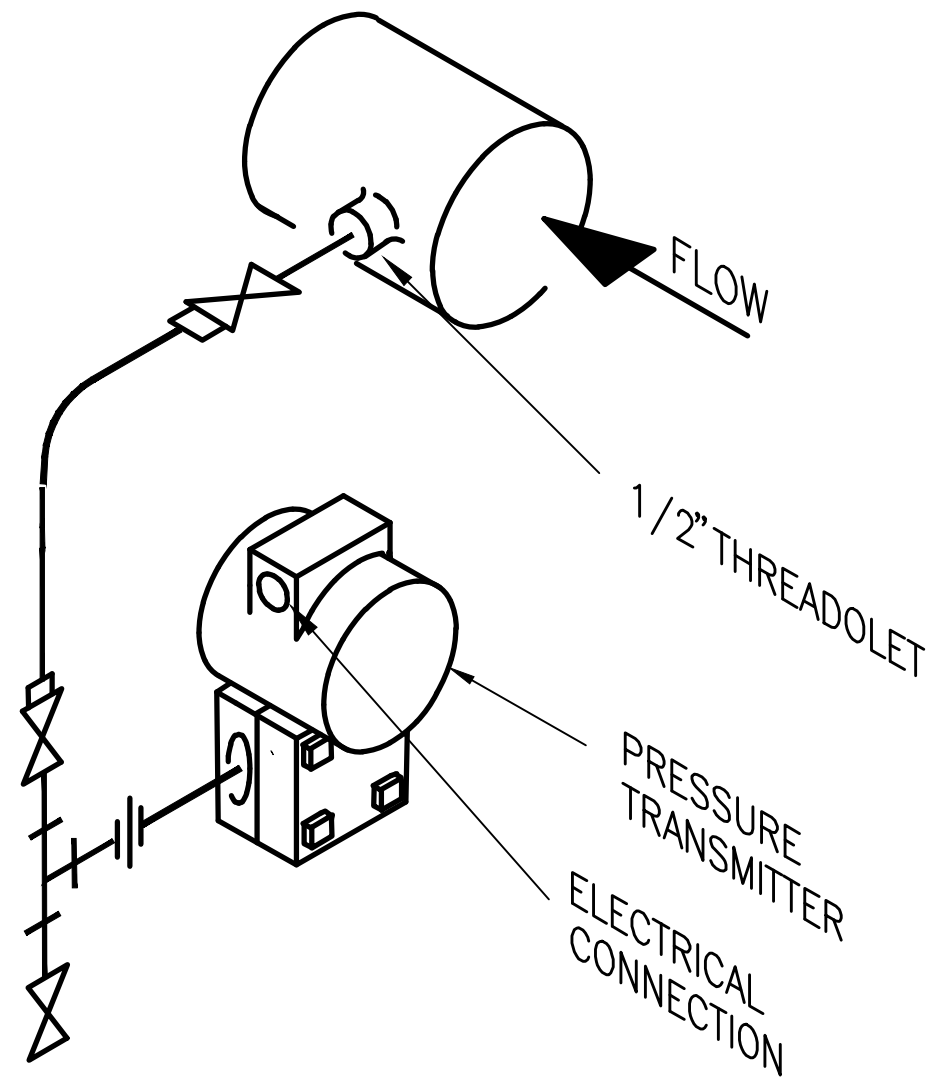


**TEMPERATURE TRANSMITTER**  
NOT TO SCALE

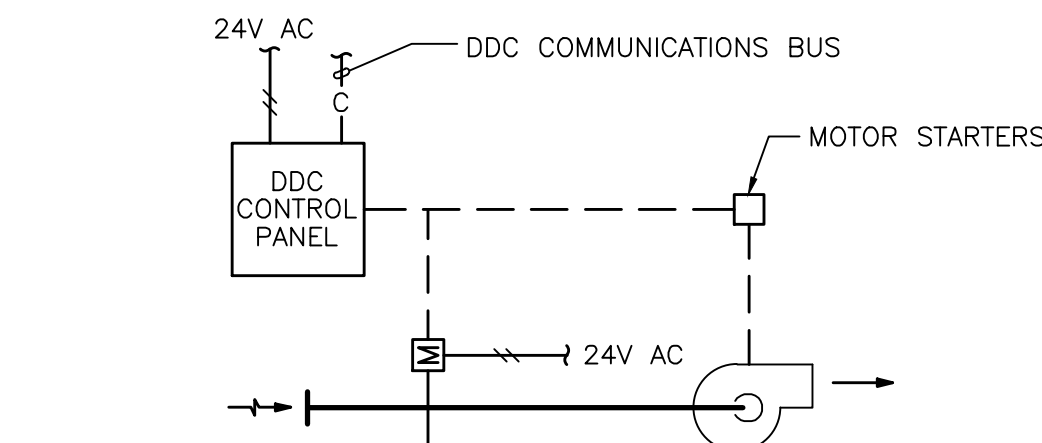


**TYPICAL FUME HOOD EXHAUST CONTROL**

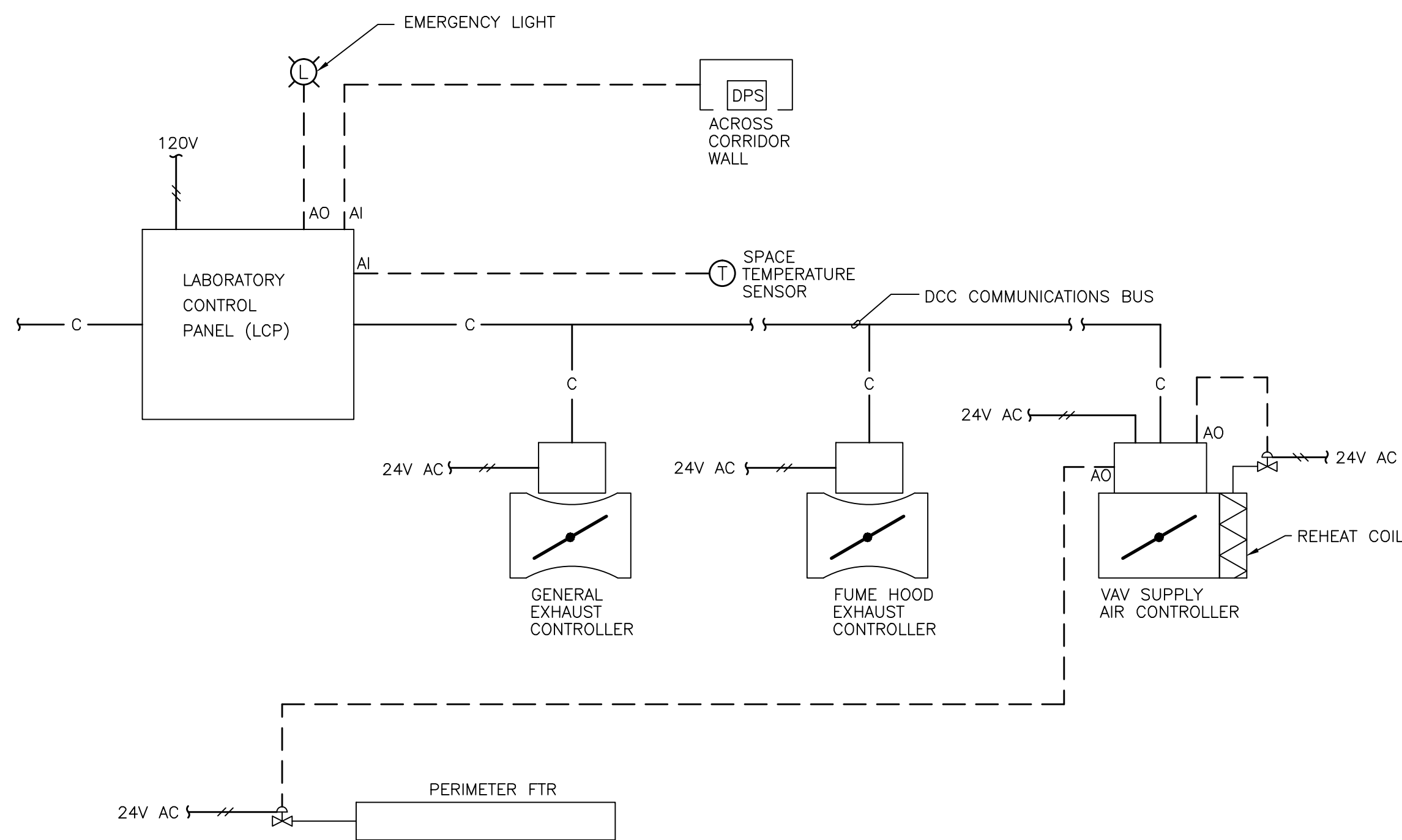
NOTES:  
1. REFER TO PLANS FOR PROPER QUANTITIES OF CONTROLLERS AND CONTROLLED DEVICES.  
2. PROVIDE ALL 120V TO 24V TRANSFORMERS AND ALL 24V WIRING.



**PRESSURE TRANSMITTER**  
NOT TO SCALE

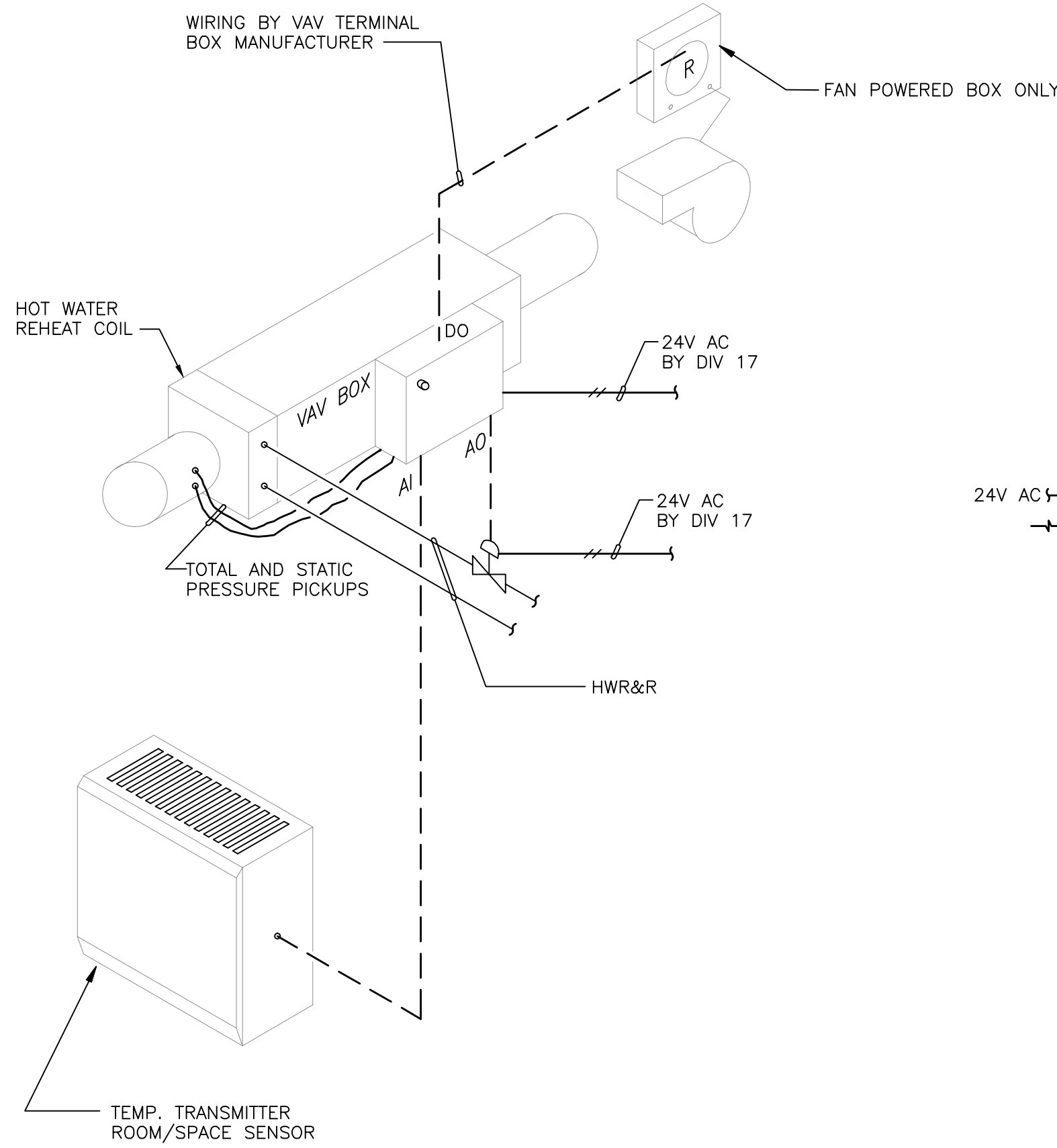


**TYPICAL TIME CLOCK BASED EXHAUST FAN CONTROLS DIAGRAM**  
NOT TO SCALE



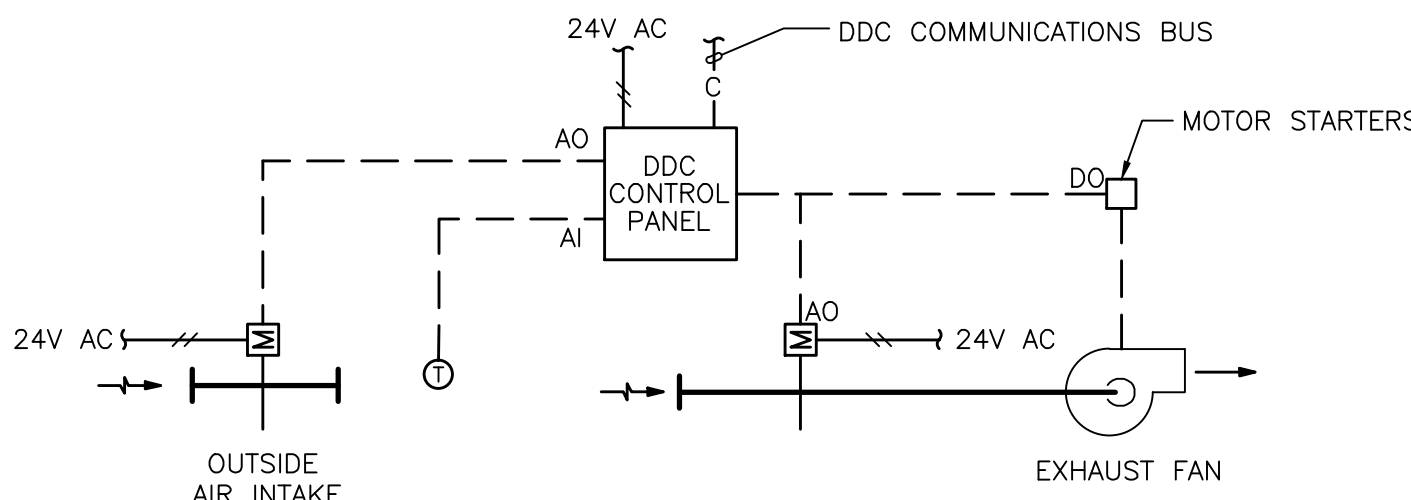
**TYPICAL LABORATORY CONTROL SCHEMATIC**

NOTES:  
1. REFER TO PLANS FOR PROPER QUANTITIES OF CONTROLLERS AND CONTROLLED DEVICES.  
2. PROVIDE ALL 120V TO 24V TRANSFORMERS AND ALL 24V WIRING.  
3. SEE INDIVIDUAL CONTROLLER DETAILS FOR FURTHER INFORMATION.

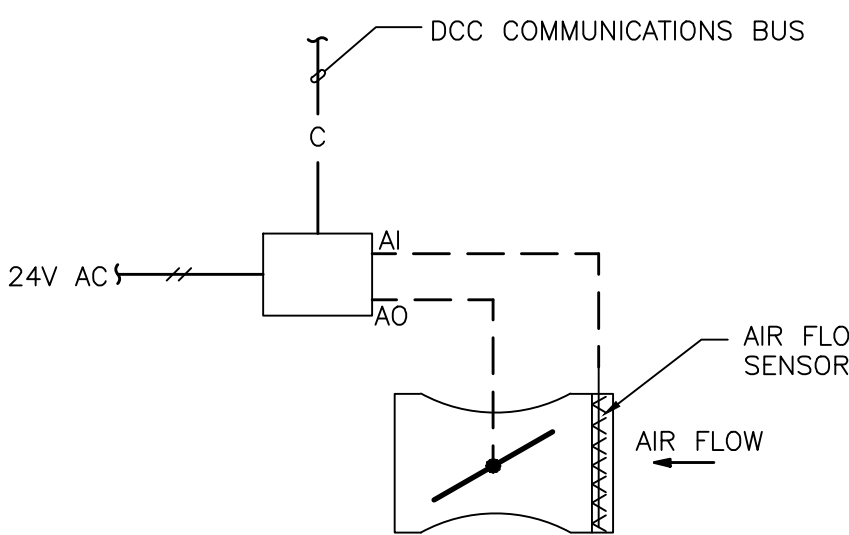


**TYPICAL SCHEMATIC FOR FPVAV BOXES**

NOTES:  
1. REFER TO PLANS FOR PROPER QUANTITIES OF CONTROLLERS AND CONTROLLED DEVICES.  
2. DIVISION 17 SHALL PROVIDE ALL 120V TO 24V TRANSFORMERS AND ALL 24V WIRING.



**TYPICAL MECHANICAL ROOM EXHAUST FAN CONTROLS DIAGRAM**  
NOT TO SCALE



**TYPICAL GENERAL EXHAUST CONTROL**

NOTES:  
1. REFER TO PLANS FOR PROPER QUANTITIES OF CONTROLLERS AND CONTROLLED DEVICES.



OWNER:  
Ramapo College of New Jersey  
505 Ramapo Valley Road  
Mahwah, New Jersey 07430-1630

CONSTRUCTION MANAGERS:  
Cambridge Construction Management  
335 East Main Street  
Somerville, NJ 08876  
908-253-9500

ARCHITECT:  
Mitchell/Giurgola Architects, LLP  
630 Ninth Avenue, Suite 711  
New York, New York 10003  
212 663 4000

MEP ENGINEER:  
Joseph R. Loring & Associates, Inc.  
21 Pennsylvania Plaza  
New York, NY 10001  
212 563 7400

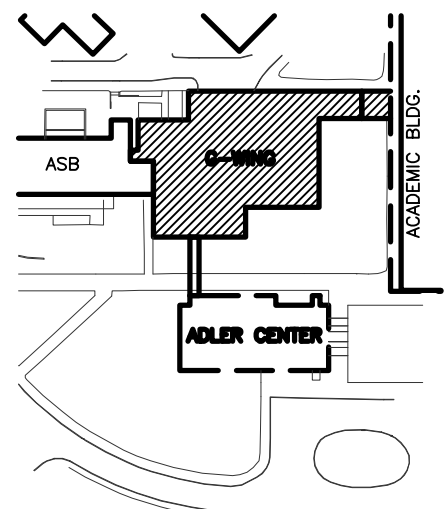
STRUCTURAL ENGINEER:  
Yisrael A. Seiniuk PC  
228 East 45th Street 2nd Floor  
New York, NY 10017  
212 687 2233

LANDSCAPE ARCHITECT:  
Dirtworks, PC  
200 Park Avenue South  
New York, NY 10003  
212 529 2263

SITE CIVIL ENGINEER:  
Langan Engineering  
619 River Drive Center 1  
Elmwood Park, NJ 07407-1338  
201 794 6900

AV CONSULTANT:  
Cerami & Associates  
404 Fifth Avenue  
New York, NY 10018  
212 370 1776

Key Plan:



6/8/12	DCA FILING
7/19/12	ISSUED FOR BID
1/15/13	ISSUED FOR CONSTRUCTION
8/12/16	AS-BUILT CONSTRUCTION DOCUMENTS

NR	DATE	COMMENTS
1	6/8/12	DCA FILING
2	7/19/12	ISSUED FOR BID
3	1/15/13	ISSUED FOR CONSTRUCTION
4	8/12/16	AS-BUILT CONSTRUCTION DOCUMENTS

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

Project:  
**G-WING RENOVATION & ADLER CENTER**

Submission:  
**CONSTRUCTION DOCUMENTS**

Drawing Title:  
**MECHANICAL CONTROLS SHEET No.2 G-WING**

PROJECT NR: 102700	DATE: 6/8/12
RCNJ PROJ. NR: 08-240C	SCALE: NOT TO SCALE

**H8.02G**