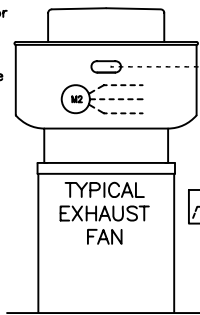


GFC VARIABLE VOLUME ARRANGEMENT 2

This arrangement requires individual power connections for each fan from remote circuit breakers, thru the fan's VFD. It requires control circuits to be wired from the MUA to the I/O processor.

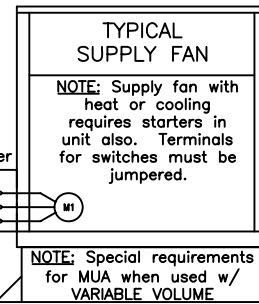


Optional Disconnect Switch (field installed)



Disconnect Switch in Control Center (w/ Starters)

Disconnect Switch in Control Center



NOTE: Supply fan with heat or cooling requires starters in unit also. Terminals for switches must be jumpered.

NOTE: Special requirements for MUA when used w/ VARIABLE VOLUME

NOTE: All wiring to be done by certified and qualified persons and must be wired to all local & national codes.

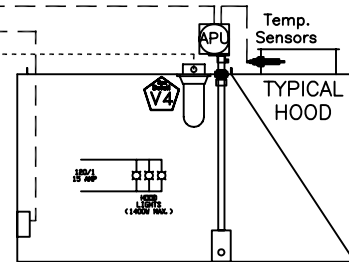
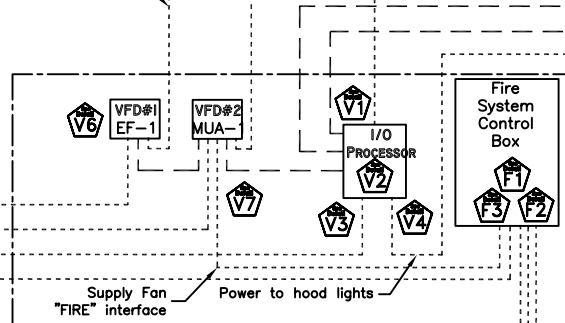
Power for MUA controls must be 120V/1 and not from a variable volume motor VFD.

24VDC MUA controls

Power to fans

To Remote Circuit Breakers

- 120V/1Ph, 15Amp for Supply Fan Controls
- ___V/___Ph, ___Amp for Exhaust Fan
- ___V/___Ph, ___Amp for Supply Fan
- 120V/1Ph, 20Amp for Controls
- 120V/1Ph, 15Amp for Fire System



Keypad Locations:
 A. Hood
 B. Utility Cabinet
 C. Wall
 D. UDS

These components may be mounted in a hood mounted end cabinet or on a wall near the hood

To Appliance Shunt Trip Breaker

To Mechanical or Electrical Gas Valve

To Building Alarm

NOTE:
 GFC recommends mechanical gas valves

LEGEND
 - - - - - Factory Installed
 - - - - - Field Installed VV-ing
 - - - - - Field Installed VV Cables
 VFD = Variable Frequency Drive (Electronic motor starter)
DRAWING NOT TO SCALE

GREENMECK <small>GREENMECK INDUSTRIES, INC.</small>	REV	DATE
	11/1/02	
TYPICAL FIELD WIRING HOOD, EXHAUST FAN, SUPPLY FAN & VARIABLE VOLUME 2		FW-VV2