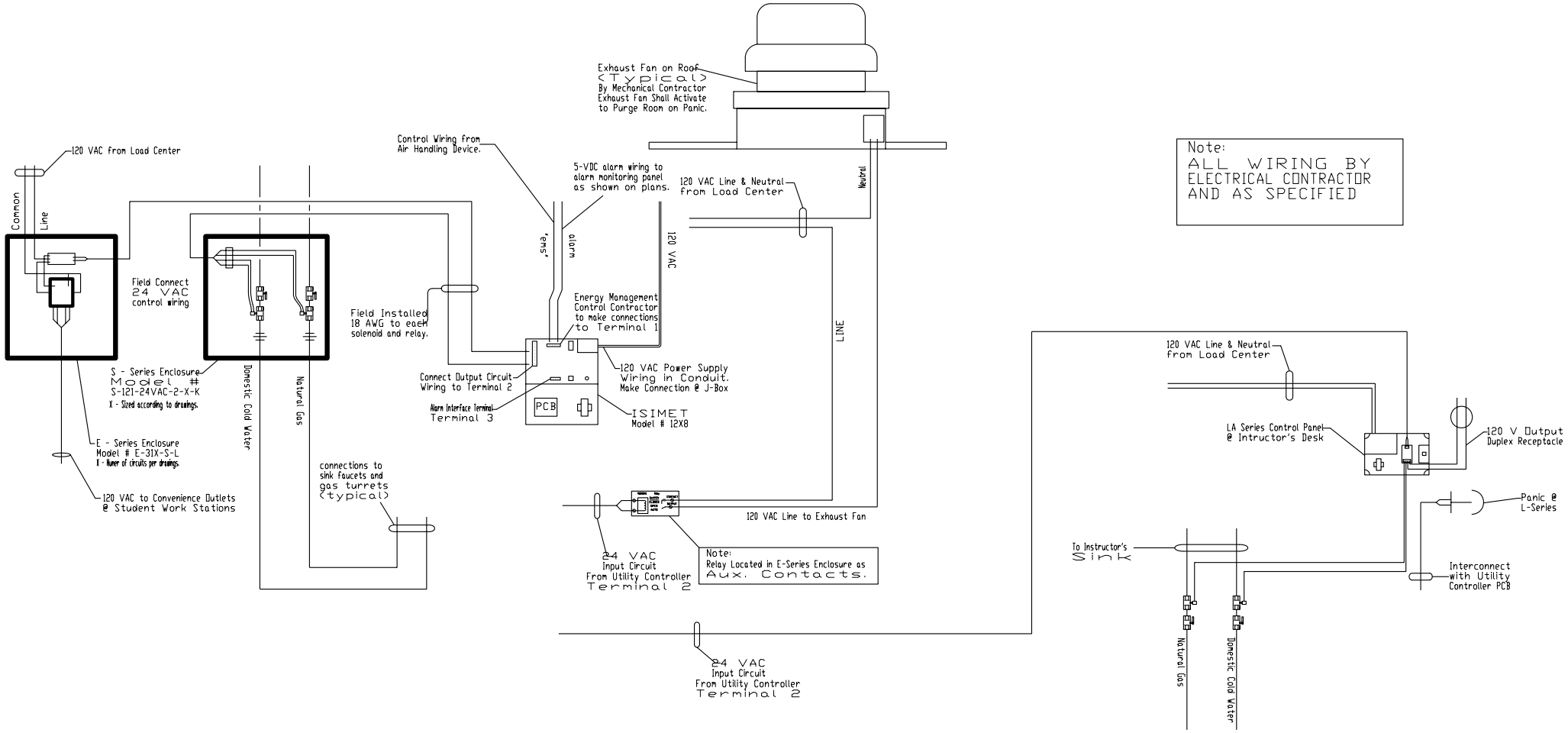
Exhaust Fan on Roof
<Typical>
By Mechanical Contractor
Exhaust Fan Shall Activate
to Purge Room on Panic.
Note:
ALL WIRING BY
ELECTRICAL CONTRACTOR
AND AS SPECIFIED
120 VAC from Load Center
Common
Line
Control Wiring from
Air Handling Device.
5-VDC alarm wiring to
alarm monitoring panel
as shown on plans.
120 VAC Line & Neutral
from Load Center
Neutral
'ems'
alarm
120 VAC
Field Connect
24 VAC
control wiring
Field Installed
18 AWG to each
solenoid and relay.
Energy Management
Control Contractor
to make connections
to Terminal 1
LINE
S - Series Enclosure
Model #
S-121-24VAC-2-X-K
X - Sized according to drawings.
Domestic Cold Water
Natural Gas
Connect Output Circuit
Wiring to Terminal 2
120 VAC Power Supply
Wiring in Conduit.
Make Connection @ J-Box
Alarm Interface Terminal
Terminal 3
PCB
ISIMET
Model # 12X8
E - Series Enclosure
Model # E-31X-S-L
X - Number of circuits per drawings.
connections to
sink faucets and
gas turrets
<typical>
120 VAC to Convenience Outlets
@ Student Work Stations
120 VAC Line to Exhaust Fan
24 VAC
Input Circuit
From Utility Controller
Terminal 2
Note:
Relay Located in E-Series Enclosure as
Aux. Contacts.
24 VAC
Input Circuit
From Utility Controller
Terminal 2
120 VAC Line & Neutral
from Load Center
LA Series Control Panel
@ Intructor's Desk
120 V Output
Duplex Receptacle
Panic @
L-Series
To Instructor's
Sink
Interconnect
with Utility
Controller PCB
Natural Gas
Domestic Cold Water