

COMPUTER ROOM HVAC SYSTEM SEQUENCE OF OPERATION:

COMPUTER ROOM AIR CONDITIONING UNIT(S) HAVE SELF CONTAINED CONTROLS WITH COMMUNICATION CAPABILITY TO THE DATA CENTER. THE DATA CENTER HAS A BACKUP OPERATION IN THE EVENT OF UNIT FAILURE.

EMS MONITORS OPERATION OF COMPUTER ROOM AIR CONDITIONING UNIT THROUGH EMS COMMUNICATION INTERFACE PROVIDED WITH THE COMPUTER ROOM AIR CONDITIONING UNIT.

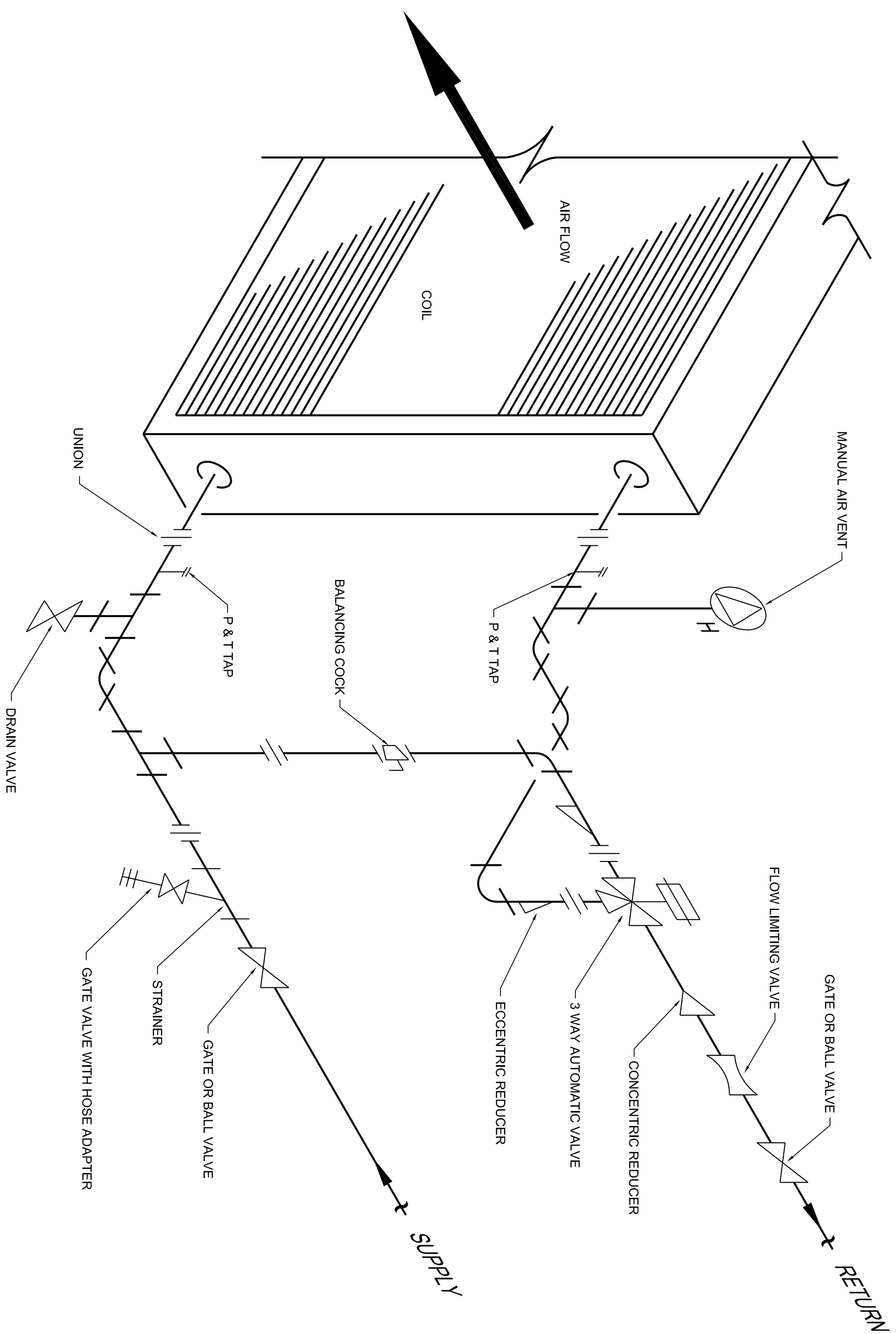
THE EPO SHALL ALSO BE INTERLOCKED TO ACTIVATE THE SHUNT TRIP FOR ELECTRICAL PANEL

THE COMPUTER ROOM HVAC UNIT AND VAV TERMINAL SHALL BE SHUTDOWN ON ACTIVATION OF FM200 FIRE SUPPRESSION SYSTEM OR EPO ACTIVATION.

THE EPO SHALL BE A MUSHROOM TYPE SWITCH WITH PROTECTIVE PLASTIC COVER

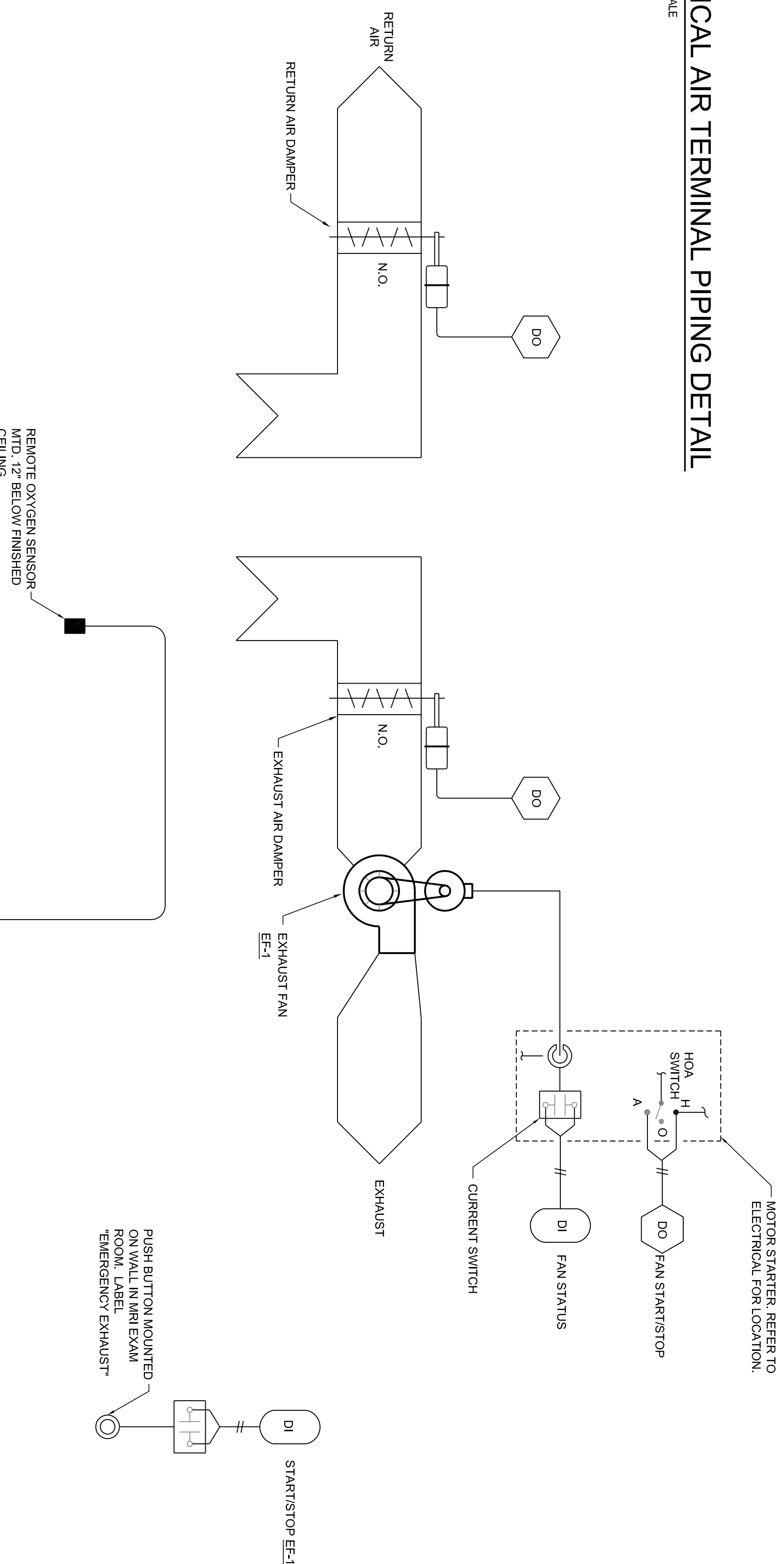
② COMPUTER ROOM HVAC SYSTEM CONTROL DIAGRAM

NOT TO SCALE



1 TYPICAL AIR TERMINAL PIPING DETAIL

NOT TO SCALE



KEYED NOTES:

- ① POWER WIRING BY ELECTRICAL
- ② CONTROL WIRING FURNISHED AND INSTALLED BY ATC CONTRACTOR.
- ③ CONTROL WIRING BY ATC CONTRACTOR, REFER TO MANUFACTURER FOR REQUIRED QUANTITY, TYPE, AND SIZE.

MRI EMERGENCY EXHAUST SYSTEM SEQUENCE OF OPERATION:

EXHAUST FAN:

SWITCHES IN THE OFF POSITION THE FAN SHALL BE CONTROLLED BY BUILDING BDC PANEL THROUGH DIGITAL CONTROLLER. IN THE EVENT THAT AN UNSAFE OXYGEN LEVEL IS DETECTED BY THE OXYGEN MONITOR, THE EXHAUST FAN SHALL BE STARTED. THE EXHAUST DAMPER SHALL BE OPENED AND THE RETURN DAMPER SHALL BE CLOSED. IN THE EVENT THAT THE PUSH BUTTON IS PUSHED, THE EXHAUST FAN SHALL BE STARTED, THE EXHAUST DAMPER SHALL BE OPENED, AND THE RETURN DAMPER SHALL BE CLOSED.

OXYGEN MONITOR:

IN THE EVENT THAT AN UNSAFE OXYGEN LEVEL IS DETECTED BY THE OXYGEN MONITOR, THE ALARM SHALL BE ACTIVATED BY A BUILDING DDC PANEL THROUGH A DIGITAL OUTPUT. THE ALARM SHALL BE SILENCED AT THE ALARM OR ACKNOWLEDGED AT THE EMS WORKSTATION.

3 MRI EMERGENCY EXHAUST SYSTEM CONTROL DIAGRAM

NOT TO SCALE

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