

CARBON MONOXIDE SENSORS AND OAU-1 AND OAU-2 CONTROLS SCHEMATIC (SALLY PORT)
(NITROGEN DIOXIDE CONTROLS SCHEMATIC SIMILAR)

NOTE: SCHEMATIC IS DIAGRAMMATIC AND IS SHOWN FOR GENERAL INFORMATIONAL PURPOSES AND INTENT OF OPERATION. CONTROLS SUBCONTRACTOR SHALL PROVIDE INSTALLATION AS REQUIRED FOR THE ACTUAL CO/NO2 SYSTEM PROVIDED AND AS REQUIRED TO COMPLETE THE SPECIFIED SEQUENCE OF OPERATION

OAU-1 AND OAU-2 100% OUTSIDE AIR UNITS AND SALLY PORT CARBON MONOXIDE (CO) AND NITROGEN DIOXIDE (NO2) MONITORING SYSTEM SEQUENCE OF OPERATION

UNIT ENABLE:

OAU-1 AND OAU-2 ARE 100% OUTSIDE AIR UNITS PROVIDING CONDITIONED AIR TO THE SALLYPORT. THEY ALSO PROVIDE MINIMUM VENTILATION/EXHAUST FOR THE ENCLOSED SALLYPORT AS REQUIRED BY IMC PART 403. GENERAL SEQUENCE OF OPERATION IS AS SPECIFIED FOR THE TYPICAL 100% OUTSIDE AIR UNIT WITH THE FOLLOWING ADDITIONAL REQUIREMENTS.

THE BAS SHALL MONITOR ALL CO/NO2 MONITORING POINTS AND ALARMS, ALL OF WHICH SHALL BE SHOWN AT THE BAS OPERATOR CONSOLE. PRIOR TO BID, COORDINATE REQUIREMENTS WITH CO/NO2 MONITORING SYSTEM PROVIDED.

OCCUPIED MODE:

SYSTEM IS OCCUPIED 24/7/365

THE OUTSIDE AIR UNITS SHALL OPERATE CONTINUOUSLY. HEATING, COOLING AND HUMIDITY SETPOINTS SHALL BE AS SET BY THE INDIVIDUAL UNIT THERMOSTAT/HUMIDISTAT. IF FOR ANY REASON, THE SPECIFIED SEQUENCE IS MODIFIED TO NOT OPERATE CONTINUOUSLY, THE CONTROLS SUB-CONTRACTOR SHALL PROVIDE THIS ADDITIONAL FAIL SAFE REQUIREMENT. ANYTIME CO SENSORS OR NO2 SENSORS INDICATE CO LEVELS OR NO2 LEVELS ARE ABOVE MANDATED VALUES, OAU-1 AND OAU-2 SHALL ENERGIZE AND OPERATE UNTIL LEVELS ARE BELOW EPA AND ASHRAE MANDATED LEVELS. INITIAL CO LEVEL SETPOINT SHALL BE 20 PPM (PARTS PER MILLION WITH 8 HOUR TIME WEIGHTED AVERAGE). INITIAL NO2 LEVEL SETPOINT SHALL BE 75 PPB (PARTS PER BILLION) FOR 1 HOUR.

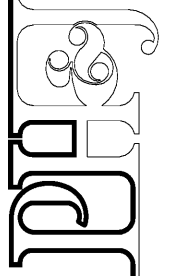
UPON REDUCTION OF THE CO AND NO2 CONCENTRATION BELOW THE SPECIFIED LIMITS, THE OUTSIDE AIR UNITS SHALL RETURN TO THEIR PREVIOUS OPERATIONAL STATUS.

PANEL MANUFACTURER TO PROVIDE INTERFACE TO ALLOW TRANE BAS TO MONITOR CO/NO2 PANEL STATUS AND ALL ALARMS

Order Plans @

WWW.LDILine.com

architects inc.
Montgomery, Alabama



CIP-2017-001
UPGRADES TO THE MOBILE COUNTY METRO JAIL
For The MOBILE COUNTY COMMISSION
MOBILE, ALABAMA



DRAWN	CW	CHECK	TZ
DATE	APRIL 2, 2019 RTA		
REVISED			
REVISED			
SHEET TITLE			
HVAC CONTROLS			
JOB NO.			
PH&J#1801GV			
SEQUENCE NO.			
129 OF 175			

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S. MONROUELL STREET
MONTGOMERY, AL 36104
334.263-4404
ZEA PROJECT NUMBER 18-166

M14

© PH&J ARCHITECTS, INC.
ALL RIGHTS RESERVED