

AIR HANDLING UNIT AHU-1A/ERV-1A

NOTES



10600

Consulting Professional Engineers
210-1821 Wellington Avenue
Winnipeg, Manitoba R3H 0G4

PROJECT

CANADA BORDER SERVICES AGENCY
EMERSON, MANITOBA
CBSA PORT REPLACEMENT

EMCS

DRAWING

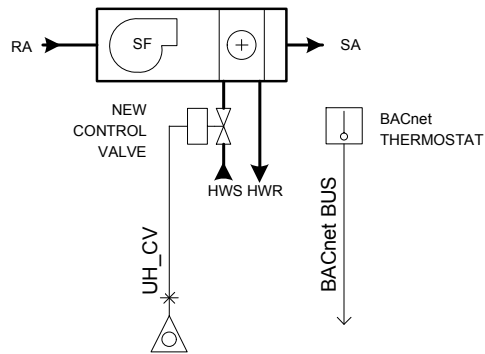
WAREHOUSE ADDITION

AIR HANDLING UNIT AHU-1A/ERV-1A

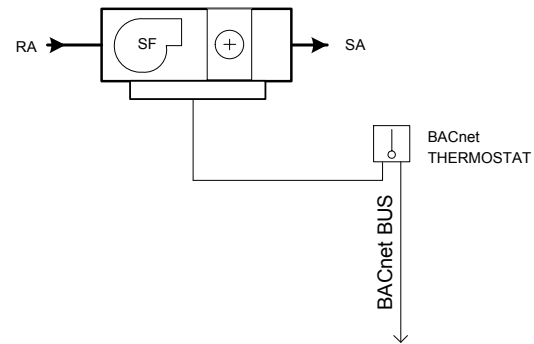
DRAWN BY: GHA	DATE: JULY 2016
CHECKED BY: CD	DATE
SCALE: NTS	

DRWG

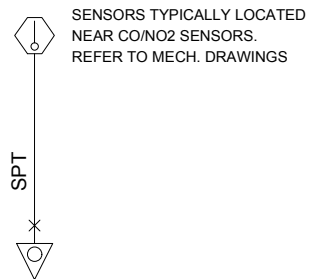
EMCS-1



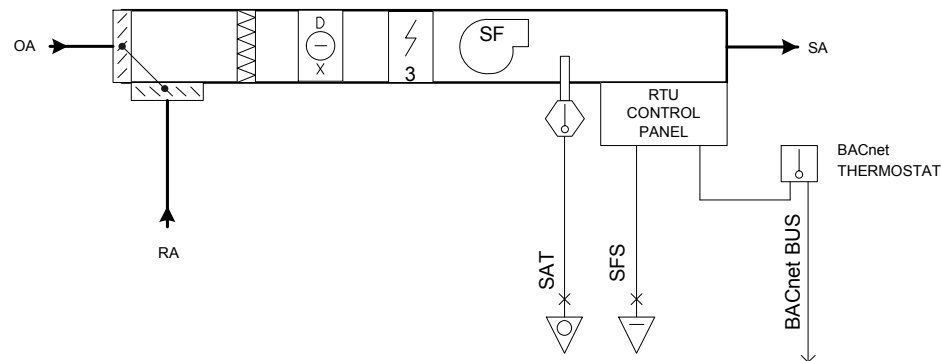
**RELOCATED HYDRONIC UNIT HEATER UH-3
IN ROOM 240**



**NEW GAS FIRED UNIT HEATERS
UH-8A TO UH-13A**



**ROOM TEMPERATURE MONITORING
(TYPICAL OF 5)**



**ROOFTOP UNITS RTU-1A to RTU-4A
(TYPICAL)**

NOTES

MCW *MCW / AGE*
10600
Consulting Professional Engineers
210-1821 Wellington Avenue
Winnipeg, Manitoba R3H 0G4

PROJECT

CANADA BORDER SERVICES AGENCY
EMERSON, MANITOBA
CBSA PORT REPLACEMENT

EMCS

DRAWING

WAREHOUSE ADDITION

HYDRONIC UNIT HEATER UH-3
GAS FIRED UNIT HEATERS UH-8A TO 13A
ROOM TEMPERATURE MONITORING
ROOFTOP UNITS RTU-1A TO RTU-4A

DRAWN BY: GHA

DATE: JULY 2016

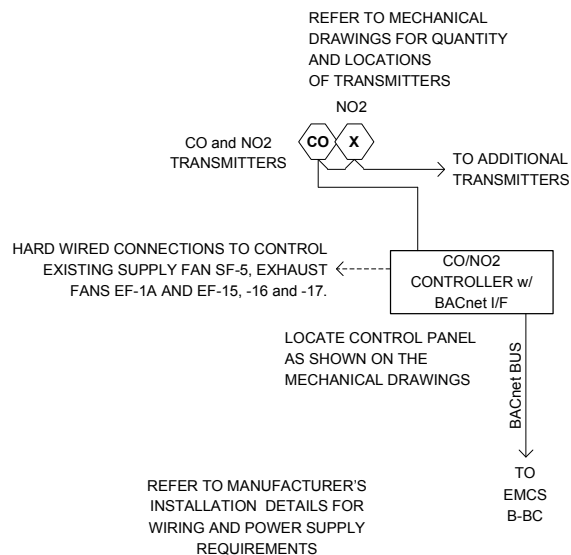
CHECKED BY: CD

DATE

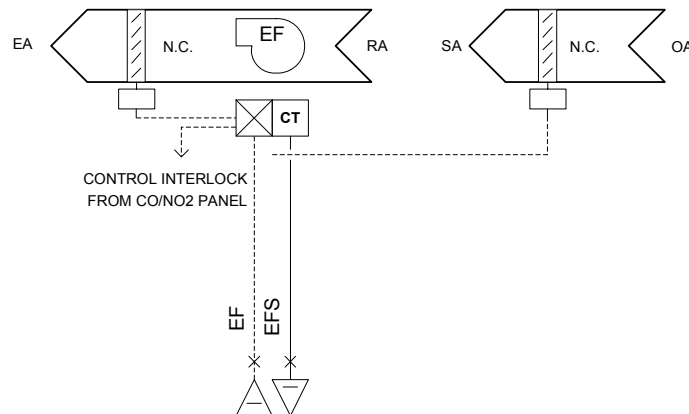
SCALE: NTS

DRWG

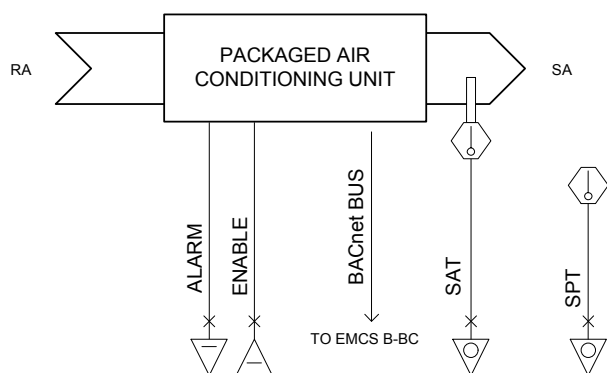
EMCS-2



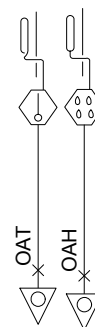
CO AND NO2 DETECTION, ALARM AND CONTROL SYSTEM



NEW EXHAUST FAN EF-1A



PACKAGED AIR CONDITIONING UNIT AC-2A



OUTDOOR TEMP. AND HUMIDITY

NOTES



10600

Consulting Professional Engineers
210-1821 Wellington Avenue
Winnipeg, Manitoba R3H 0G4

PROJECT

CANADA BORDER SERVICES AGENCY
EMERSON, MANITOBA
CBSA PORT REPLACEMENT

EMCS

DRAWING

WAREHOUSE ADDITION

CO AND NO2 SYSTEM
NEW EXHAUST FAN EF-1A
PACKAGED AC UNIT AC-2A
OUTDOOR AIR TEMP. & HUM.

DRAWN BY: GHA

DATE: JULY 2016

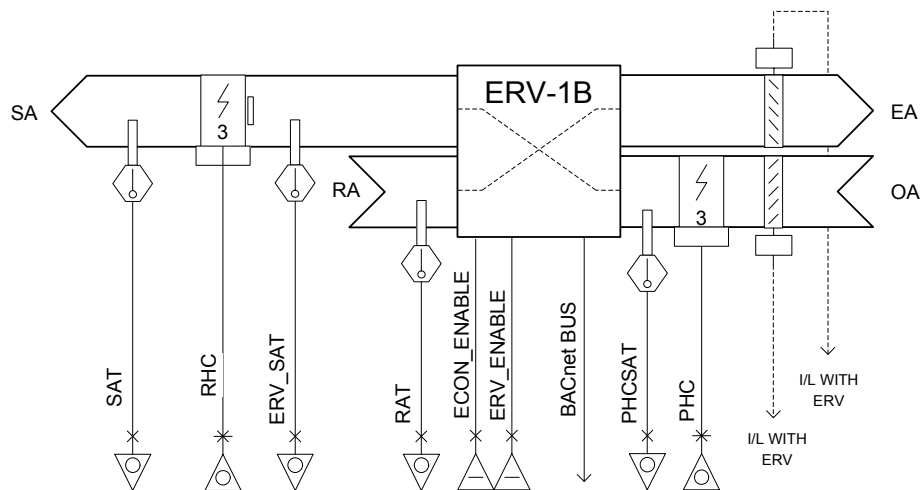
CHECKED BY: CD

DATE

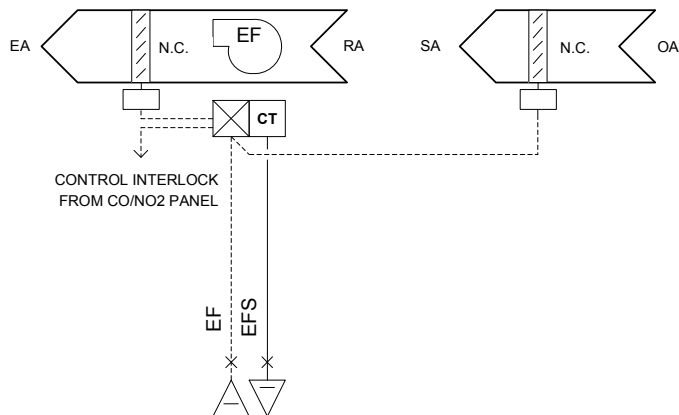
SCALE: NTS

DRWG

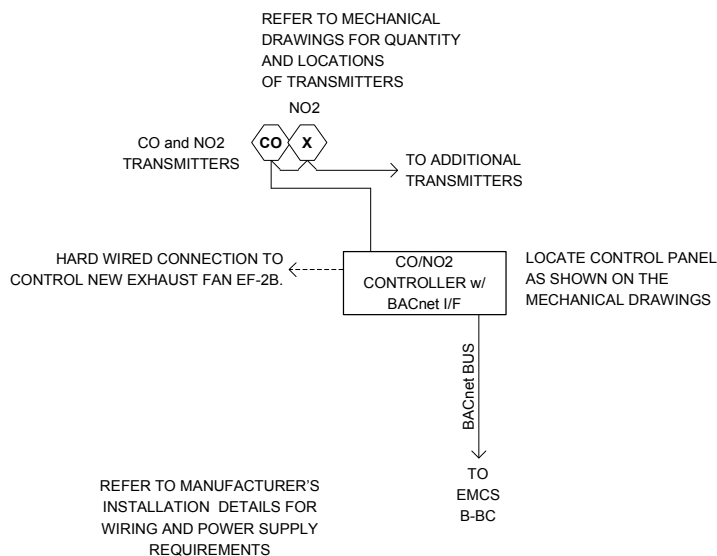
EMCS-3



TERTIARY BUS GARAGE VENTILATION ERV-1B



TERTIARY EXAM GARAGE EXHAUST FAN EF-1B



CO AND NO2 DETECTION, ALARM AND CONTROL SYSTEM

NOTES



10600

Consulting Professional Engineers
210-1821 Wellington Avenue
Winnipeg, Manitoba R3H 0G4

PROJECT

CANADA BORDER SERVICES AGENCY
EMERSON, MANITOBA
CBSA PORT REPLACEMENT

EMCS

DRAWING

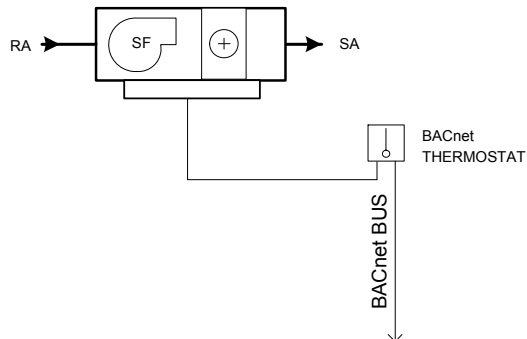
TERTIARY BUS GARAGE ADDITION

GARAGE CO AND NO2 SYSTEM
EXHAUST FAN EF-1B
GARAGE VENTILATION ERV-1B

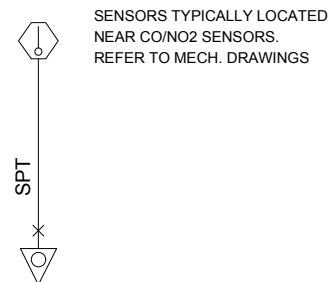
DRAWN BY: GHA	DATE: JULY 2016
CHECKED BY: CD	DATE
SCALE: NTS	

DRWG

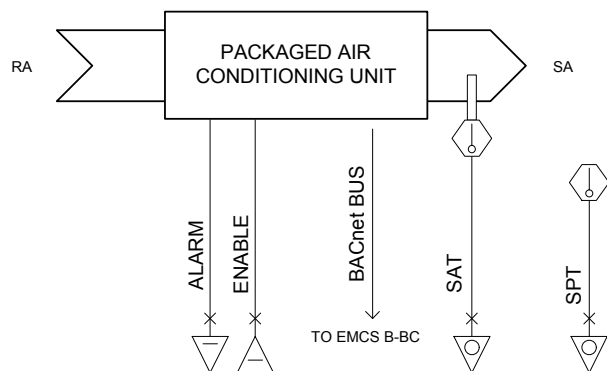
EMCS-4



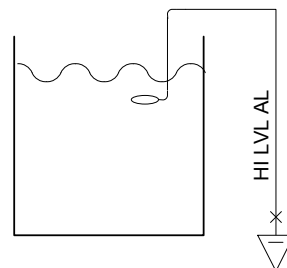
NEW GAS FIRED UNIT HEATERS
UH-1B TO UH-4B



ROOM TEMPERATURE MONITORING
(TYPICAL OF 5)



PACKAGED AIR CONDITIONING UNITS AC-1B AND AC-2B
(TYPICAL)



SUMP PIT ALARM

NOTES



10600

Consulting Professional Engineers
210-1821 Wellington Avenue
Winnipeg, Manitoba R3H 0G4

PROJECT

CANADA BORDER SERVICES AGENCY
EMERSON, MANITOBA
CBSA PORT REPLACEMENT

EMCS

DRAWING

TERTIARY BUS GARAGE ADDITION

PACKAGED AIR CONDITIONING UNITS AC-1B & AC-2B
GAS FIRED UNIT HEATERS UH-1B TO UH-4B
ROOM TEMPERATURE MONITORING

DRAWN BY: GHA

DATE: JULY 2016

CHECKED BY: CD

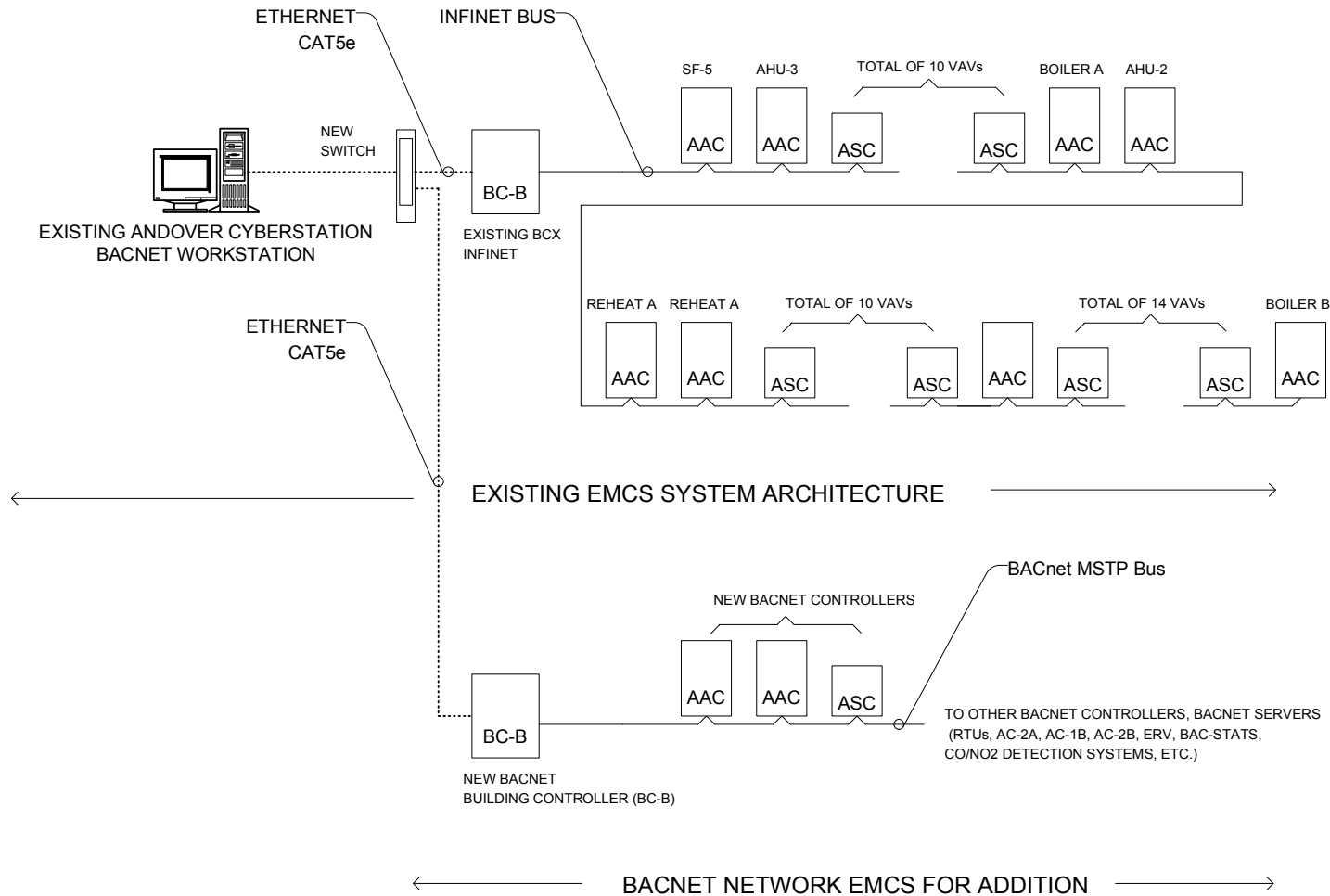
DATE

SCALE: NTS

DRWG

EMCS-5

NOTES



MCW
10600
MCW / AGE
Consulting Professional Engineers
210-1821 Wellington Avenue
Winnipeg, Manitoba R3H 0G4

PROJECT

CANADA BORDER SERVICES AGENCY
EMERSON, MANITOBA
CBSA PORT REPLACEMENT

EMCS

DRAWING

WAREHOUSE ADDITION &
NEW TERTIARY GARAGE

EXISTING AND NEW EMCS
SYSTEM ARCHITECTURE

DRAWN BY: GHA

DATE: JULY 2016

CHECKED BY: CD

DATE

SCALE: NTS

DRWG

EMCS-6