

EXHAUST FAN, SUPPLY FAN STATUS, ALARM, AND CONTROL TO FIELD DEVICES
TO MOTOR STARTERS (THERMAL OVERLOAD FAULT, MOTOR RUNNING, START-STOP SIGNAL) FOR FANS (BY DIVISION 26)
120V POWER
RTU-1 FAULT SIGNAL FROM RTU-1 CONTROLLER

1

CONTROL PANEL EB-HLCP-01 DETAIL

SCALE: N.T.S.

EQUIPMENT FAULT INDICATION		
INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
29	EAJ-6-FAULT	COMMUNICATION ROOM EAF-6 FAULT INDICATION
30	EAJ-7-FAULT	BATTERY ROOM EAF-7 FAULT INDICATION
31	EAJ-8-FAULT	BATTERY ROOM EAF-8 FAULT INDICATION
32	EAJ-9-FAULT	FIRE SUPPRESSION ROOM EAF-9 FAULT INDICATION
33	EAJ-5-FAULT	SECURITY ROOM EAF-5 FAULT INDICATION

EQUIPMENT STATUS INDICATION		
INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
1	ACU-1-IND	SECURITY ROOM ACU-1 ON INDICATION
2	ACU-2-IND	COMMUNICATION ROOM ACU-2 ON INDICATION
3	RTU-1-IND	UNIT SUBSTATION ROOM RTU-1 ON INDICATION
4	RTU-2-IND	MV SWITCHGEAR ROOM RTU-2 ON INDICATION
5	RTU-3-IND	BATTERY ROOM RTU-3 ON INDICATION
6	RTU-4-IND	BATTERY ROOM RTU-3 ON INDICATION
7	EUH-1-IND	BATTERY ROOM EUH-1 ON INDICATION
8	EUH-2-IND	FIRE SUPPRESSION ROOM EUH-2 ON INDICATION
9	EUH-3-IND	MV SWITCHGEAR ROOM EUH-3 ON INDICATION
10	EUH-4-IND	MV SWITCHGEAR ROOM EUH-4 ON INDICATION
11	EUH-5-IND	MV SWITCHGEAR ROOM EUH-5 ON INDICATION
12	EUH-6-IND	MV SWITCHGEAR ROOM EUH-6 ON INDICATION
13	EUH-7-IND	MV SWITCHGEAR ROOM EUH-7 ON INDICATION
14	EUH-8-IND	MV SWITCHGEAR ROOM EUH-8 ON INDICATION
15	EAJ-1-IND	UNIT SUBSTATION ROOM EAJ-1 ON INDICATION
16	EAJ-2-IND	UNIT SUBSTATION ROOM EAJ-2 ON INDICATION
17	EAJ-3-IND	MV SWITCHGEAR ROOM EAJ-3 ON INDICATION
18	EAJ-4-IND	MV SWITCHGEAR ROOM EAJ-4 ON INDICATION
19	EAJ-5-IND	SECURITY ROOM EAJ-5 ON INDICATION
20	EAJ-6-IND	COMMUNICATION ROOM EAJ-6 ON INDICATION
21	EAJ-7-IND	BATTERY ROOM EAJ-7 ON INDICATION
22	EAJ-8-IND	BATTERY ROOM EAJ-8 ON INDICATION
23	EAJ-9-IND	FIRE SUPPRESSION ROOM EAJ-9 ON INDICATION
24	SAF-1-IND	UNIT SUBSTATION ROOM SAF-1 ON INDICATION
25	SAF-2-IND	UNIT SUBSTATION ROOM SAF-2 ON INDICATION
26	SAF-3-IND	MV SWITCHGEAR ROOM SAF-3 ON INDICATION
27	SAF-4-IND	MV SWITCHGEAR ROOM SAF-4 ON INDICATION
28	SAF-4-IND	MV SWITCHGEAR ROOM SAF-4 ON INDICATION
29	HT-1-IND	COMBINATION EMERGENCY SHOWER EYE/FACE WASH HEAT TRACE ON INDICATION
29	HT-2-IND	BACKFLOW PREVENTER ENCLOSURE HEATER ON INDICATION

SPACE MONITORING TROUBLE ALARMS		
INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
34	BATT-RM-HI-TEMP-ALARM	BATTERY ROOM HIGH TEMPERATURE ALARM
35	COMM-RM-HI-TEMP-ALARM	COMMUNICATION ROOM HIGH TEMPERATURE ALARM
36	FIRE-SUP-RM-HI-TEMP-ALARM	FIRE SUPPRESSION ROOM HIGH TEMPERATURE ALARM
37	SEC-RM-HI-TEMP-ALARM	SECURITY ROOM HIGH TEMPERATURE ALARM
38	UNIT-SBSTN-RM-HI-TEMP-ALARM	UNIT SUBSTATION ROOM HIGH TEMPERATURE ALARM
39	MV-SWGR-HI-TEMP-ALARM	MV SWITCHGEAR ROOM HIGH TEMPERATURE ALARM
40	BATT-RM-LOW-TEMP-ALARM	BATTERY ROOM LOW TEMPERATURE ALARM
41	SEC-RM-LOW-TEMP-ALARM	SECURITY ROOM LOW TEMPERATURE ALARM
42	FIRE-SUP-RM-LOW-TEMP-ALARM	FIRE SUPPRESSION ROOM LOW TEMPERATURE ALARM
43	HEAT-TRACE-LOW-TEMP-ALARM	COMBINATION EMERGENCY SHOWER EYE/FACE WASH LOW TEMPERATURE ALARM
44	ENC-LOW-TEMP-ALARM	BACKFLOW PREVENTER ENCLOSURE HEATER LOW TEMPERATURE ALARM

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	UNIT SUBSTATION ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAJ-1	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	DAMPER OPEN (RED)	INDICATION LIGHTS
A-8	EAJ-2	NAMEPLATE
A-9	START	PUSHBUTTON
A-10	MANUAL/AUTO	SELECTOR SWITCH
A-11	STOP	PUSHBUTTON
A-12	READY (GREEN)	INDICATION LIGHTS
A-13	RUNNING (RED)	INDICATION LIGHTS
A-14	DAMPER OPEN (RED)	INDICATION LIGHTS
A-15	SAF-1	NAMEPLATE
A-16	START	PUSHBUTTON
A-17	MANUAL/AUTO	SELECTOR SWITCH
A-18	STOP	PUSHBUTTON
A-19	READY (GREEN)	INDICATION LIGHTS
A-20	RUNNING (RED)	INDICATION LIGHTS
A-21	DAMPER OPEN (RED)	INDICATION LIGHTS
A-22	SAF-2	NAMEPLATE
A-23	START	PUSHBUTTON
A-24	MANUAL/AUTO	SELECTOR SWITCH
A-25	STOP	PUSHBUTTON
A-26	READY (GREEN)	INDICATION LIGHTS
A-27	RUNNING (RED)	INDICATION LIGHTS
A-28	DAMPER OPEN (RED)	INDICATION LIGHTS
A-29	RTU-1	NAMEPLATE
A-30	START	PUSHBUTTON
A-31	MANUAL/AUTO	SELECTOR SWITCH
A-32	STOP	PUSHBUTTON
A-33	READY (GREEN)	INDICATION LIGHTS
A-34	RUNNING (RED)	INDICATION LIGHTS
A-35	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-36	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-37	MD-01 DAMPER OPEN (RED)	INDICATION LIGHTS
A-38	MD-02 DAMPER OPEN (RED)	INDICATION LIGHTS

NOTES:

- PROVIDE NAMEPLATE FOR EVERY PANEL WITH MULTIPLE SOURCES OF POWER. THE NAMEPLATE SHALL BE RED BACKGROUND, WHITE LETTERS AND IT SHALL READ: "WARNING- THIS DEVICE IS CONNECTED TO MULTIPLE SOURCES OF POWER". TYPICAL FOR ALL PANELS WITH MULTIPLE POWER SOURCES.
- ALL START/STOP OR OPEN/CLOSE PUSHBUTTONS SHALL BE ILLUMINATED LED FLUSH-GUARDED SERIES. ALL INDICATOR LIGHTS SHALL BE LED, PUSH-TO-TEST.
- PILOT DEVICES COLOR CODE:
 - A. START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
 - B. STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
 - C. VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
 - D. VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
 - E. ALARM OR FAULT - AMBER
 - F. TEST OR SILENCE PUSHBUTTON - BLACK
 - G. EMERGENCY STOP MOMENTARY
 - H. MUSHROOM PUSHBUTTON - YELLOW
- REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS
- PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED
- PROVIDE EQUIPMENT NUMBER AND TAG UNDER EACH OPERATING CONTROL AS PER SPECIFICATION 23 05 53 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT.
- 120VAC POWER TO CONTROL PANEL SHALL BE PROVIDED BY DIVISION 26. ALL OTHER CONTROL AND POWER WIRING AND CONDUIT FROM CONTROL PANEL TO ALL REMOTE DEVICES, SUCH AS THERMOSTATS, DAMPER ACTUATORS, SENSORS, SWITCHES, ETC., SHALL BE PROVIDED UNDER DIVISION 23. GENERAL NOTES.
- CONTRACTOR SHALL HIRE A BWS-APPROVED SCADA INTEGRATOR TO MODIFY THE EXISTING SCADA SYSTEM AT THE FLUORIDE BUILDING TO MONITOR STATED POINTS VIA FIBER CONNECTIVITY WITH HVAC SYSTEMS CONTROL PANEL EB-HLCP-01 THROUGH EB-HLCP-04. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED HARDWARE SOFTWARE INCLUDING GATEWAYS TO MONITOR THESE POINTS ON SCADA (HMI) SYSTEM. INTEGRATOR TO COORDINATE PROTOCOL WITH EB-HLCP-01 PANEL SUPPLIER.
- AS A MINIMUM, THE FOLLOWING SIGNALS SHALL BE SENT TO FLUORIDE BUILDING CONTROL PANEL (PLC) FOR MONITORING ONLY

1

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	UNIT SUBSTATION ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAJ-1 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAJ-1 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAJ-2 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAJ-2 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-5	SAF-1 FAULT (AMBER)	INDICATION LIGHTS
B-6	SAF-1 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-7	SAF-2 FAULT (AMBER)	INDICATION LIGHTS
B-8	SAF-2 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-9	RTU-1 FAULT (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	SMOKE ALARMS	NAMEPLATE
C-1	SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS



ADDENDUM NO. 3

DATE ISSUED: 08/2023

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 1

DATE: AUGUST 2023

SCALE: AS NOTED

SHEET NO:

DRAWING NO.
KSEB-H-905.01

ACCOUNTABLE MANAGER

JUSTIN RIVELLINO

PORTFOLIO MANAGER

LAUREN D'ATTILE, PE

DEPUTY DIRECTOR, IN HOUSE DESIGN

MICHAEL LOEHR, PE

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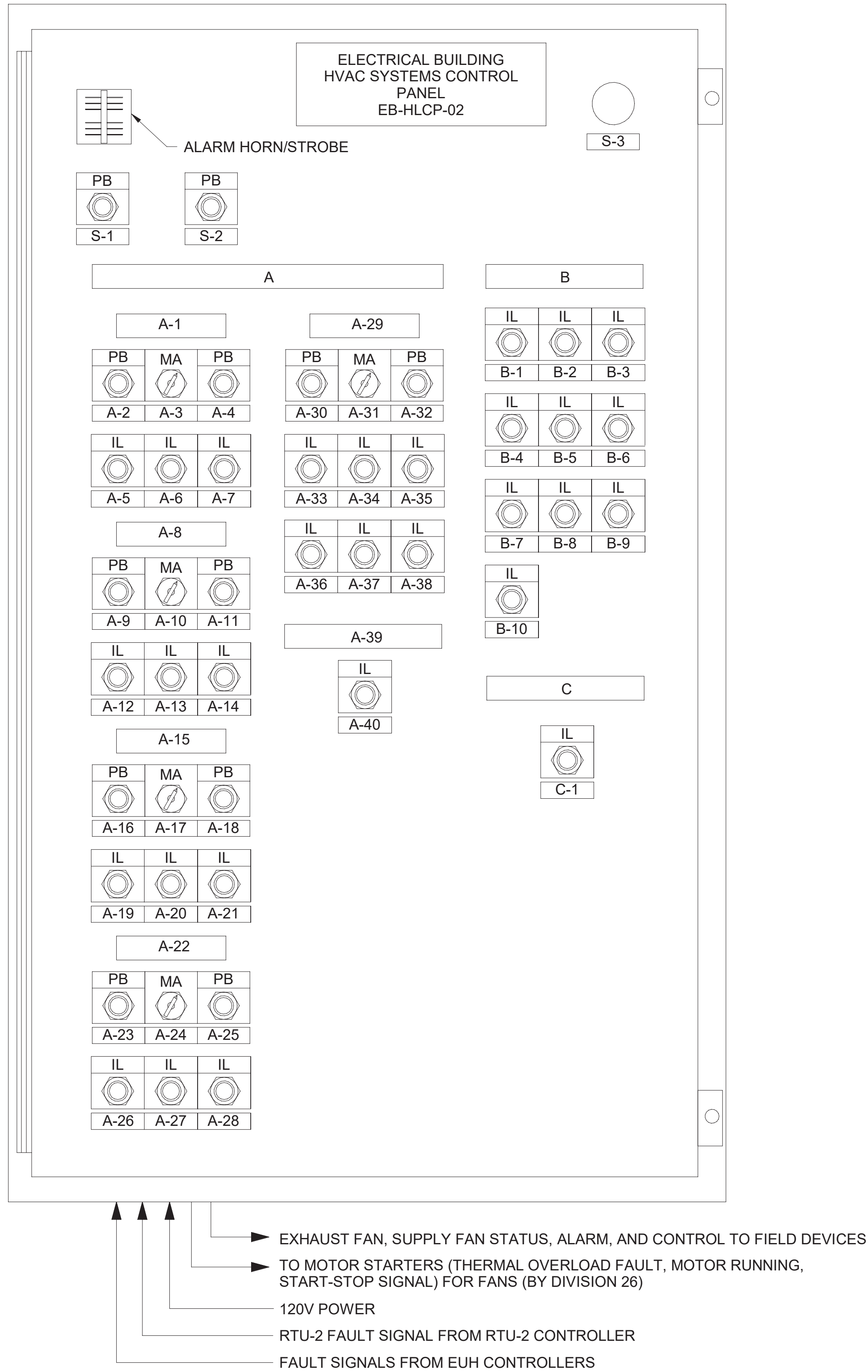
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ARUP





1 CONTROL PANEL EB-HLCP-02 DETAIL
SCALE: N.T.S.

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	MV SWITCHGEAR ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-3	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	DAMPER OPEN (RED)	INDICATION LIGHTS
A-8	EAF-4	NAMEPLATE
A-9	START	PUSHBUTTON
A-10	MANUAL/AUTO	SELECTOR SWITCH
A-11	STOP	PUSHBUTTON
A-12	READY (GREEN)	INDICATION LIGHTS
A-13	RUNNING (RED)	INDICATION LIGHTS
A-14	DAMPER OPEN (RED)	INDICATION LIGHTS
A-15	SAF-3	NAMEPLATE
A-16	START	PUSHBUTTON
A-17	MANUAL/AUTO	SELECTOR SWITCH
A-18	STOP	PUSHBUTTON
A-19	READY (GREEN)	INDICATION LIGHTS
A-20	RUNNING (RED)	INDICATION LIGHTS
A-21	DAMPER OPEN (RED)	INDICATION LIGHTS
A-22	SAF-4	NAMEPLATE
A-23	START	PUSHBUTTON
A-24	MANUAL/AUTO	SELECTOR SWITCH
A-25	STOP	PUSHBUTTON
A-26	READY (GREEN)	INDICATION LIGHTS
A-27	RUNNING (RED)	INDICATION LIGHTS
A-28	DAMPER OPEN (RED)	INDICATION LIGHTS
A-29	RTU-2	NAMEPLATE
A-30	START	PUSHBUTTON
A-31	MANUAL/AUTO	SELECTOR SWITCH
A-32	STOP	PUSHBUTTON
A-33	READY (GREEN)	INDICATION LIGHTS
A-34	RUNNING (RED)	INDICATION LIGHTS
A-35	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-36	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-37	MD-01 DAMPER OPEN (RED)	INDICATION LIGHTS
A-38	MD-02 DAMPER OPEN (RED)	INDICATION LIGHTS
A-39	HEATING	NAMEPLATE
A-40	EUH HEATING ON (RED)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	MV SWITCHGEAR ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAF-3 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAF-3 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAF-4 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAF-4 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-5	SAF-3 FAULT (AMBER)	INDICATION LIGHTS
B-6	SAF-3 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-7	SAF-4 FAULT (AMBER)	INDICATION LIGHTS
B-8	SAF-4 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-9	RTU-2 FAULT (AMBER)	INDICATION LIGHTS
B-10	EUH OVER TEMPERATURE (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	SMOKE ALARMS	NAMEPLATE
C-1	SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

NOTES:

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 - START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
 - STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
 - VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
 - VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
 - ALARM OR FAULT - AMBER
 - TEST OR SILENCE PUSHBUTTON - BLACK
 - EMERGENCY STOP MOMENTARY
 - MUSHROOM PUSHBUTTON - YELLOW
- REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS
- PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED
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- AS A MINIMUM, THE FOLLOWING SIGNALS SHALL BE SENT TO FLUORIDE BUILDING CONTROL PANEL (PLC) FOR MONITORING ONLY



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KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 2

DATE: AUGUST 2023

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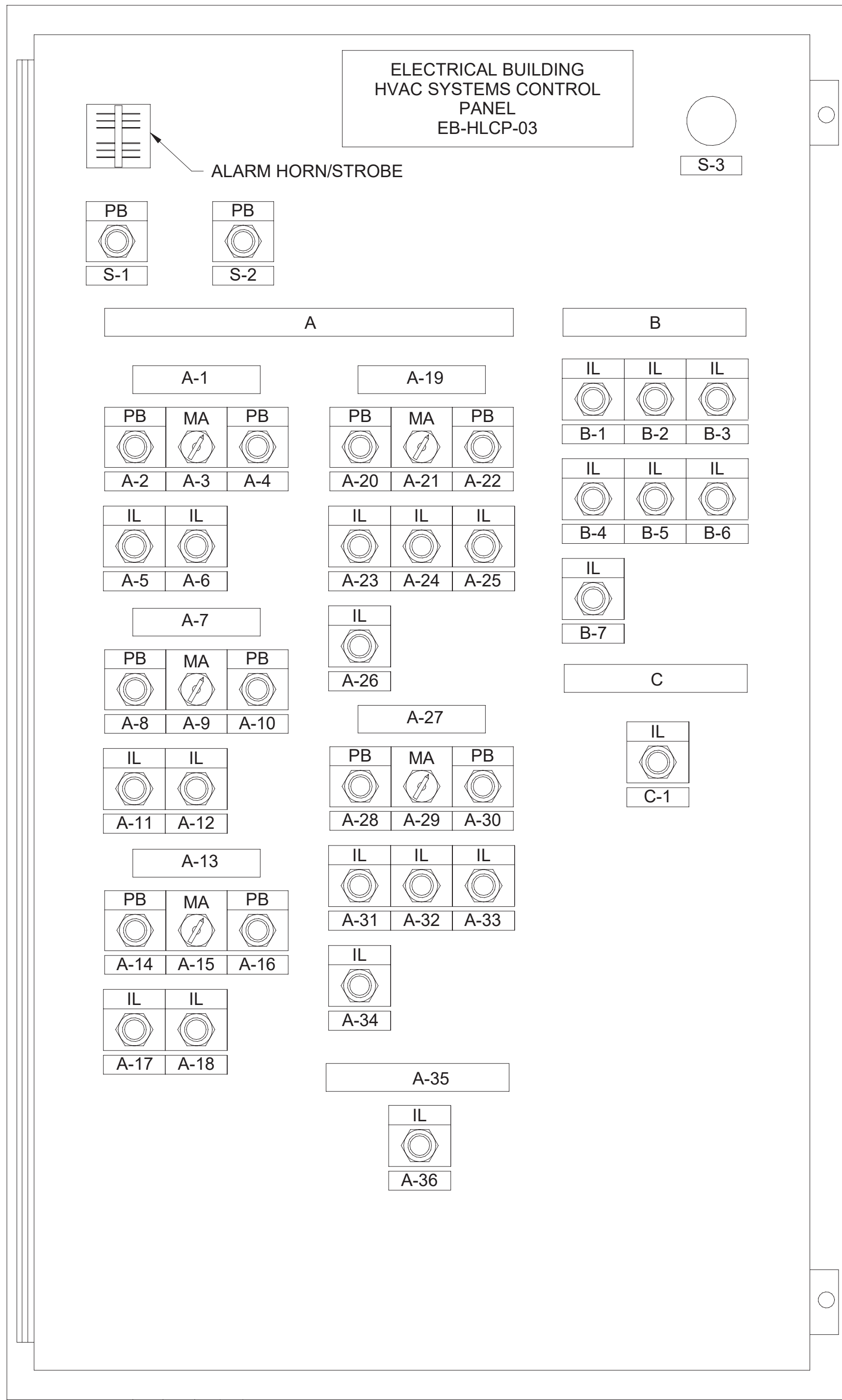
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			DESIGN LEAD: DEEPAK KANDRA, PE	
			SECTION MANAGER:	
1	08/2023	ADDENDUM #3		
NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.	



ACCOUNTABLE MANAGER JUSTIN RIVELLINO
PORTFOLIO MANAGER LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN MICHAEL LOEHR, PE

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1 CONTROL PANEL EB-HLCP-03 DETAIL
SCALE: N.T.S.

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	BATTERY ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-7	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	EAF-8	NAMEPLATE
A-8	START	PUSHBUTTON
A-9	MANUAL/AUTO	SELECTOR SWITCH
A-10	STOP	PUSHBUTTON
A-11	READY (GREEN)	INDICATION LIGHTS
A-12	RUNNING (RED)	INDICATION LIGHTS
A-13	DAMPERS	NAMEPLATE
A-14	MD-19 INTAKE DAMPER OPEN	PUSHBUTTON
A-15	MD-19 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
A-16	MD-19 INTAKE DAMPER CLOSE	PUSHBUTTON
A-17	MD-19 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
A-18	MD-20 EXHAUST DAMPER OPEN (RED)	INDICATION LIGHTS
A-19	RTU-3	NAMEPLATE
A-20	START	PUSHBUTTON
A-21	MANUAL/AUTO	SELECTOR SWITCH
A-22	STOP	PUSHBUTTON
A-23	READY (GREEN)	INDICATION LIGHTS
A-24	RUNNING (RED)	INDICATION LIGHTS
A-25	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-26	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-27	RTU-4	NAMEPLATE
A-28	START	PUSHBUTTON
A-29	MANUAL/AUTO	SELECTOR SWITCH
A-30	STOP	PUSHBUTTON
A-31	READY (GREEN)	INDICATION LIGHTS
A-32	RUNNING (RED)	INDICATION LIGHTS
A-33	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-34	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-35	HEATING	NAMEPLATE
A-36	EUH HEATING ON (RED)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	BATTERY ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAF-7 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAF-7 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAF-8 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAF-8 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-5	RTU-3 FAULT (AMBER)	INDICATION LIGHTS
B-6	RTU-4 FAULT (AMBER)	INDICATION LIGHTS
B-7	EUH OVER TEMPERATURE (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	SMOKE ALARMS	NAMEPLATE
C-1	SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

NOTES:

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 - VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
 - ALARM OR FAULT - AMBER
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CONTROLS DETAILS 3

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SECTION MANAGER:

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AP

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ACCOUNTABLE MANAGER
JUSTIN RIVELLINO

PORTFOLIO MANAGER
LAUREN D'ATTILE, PE

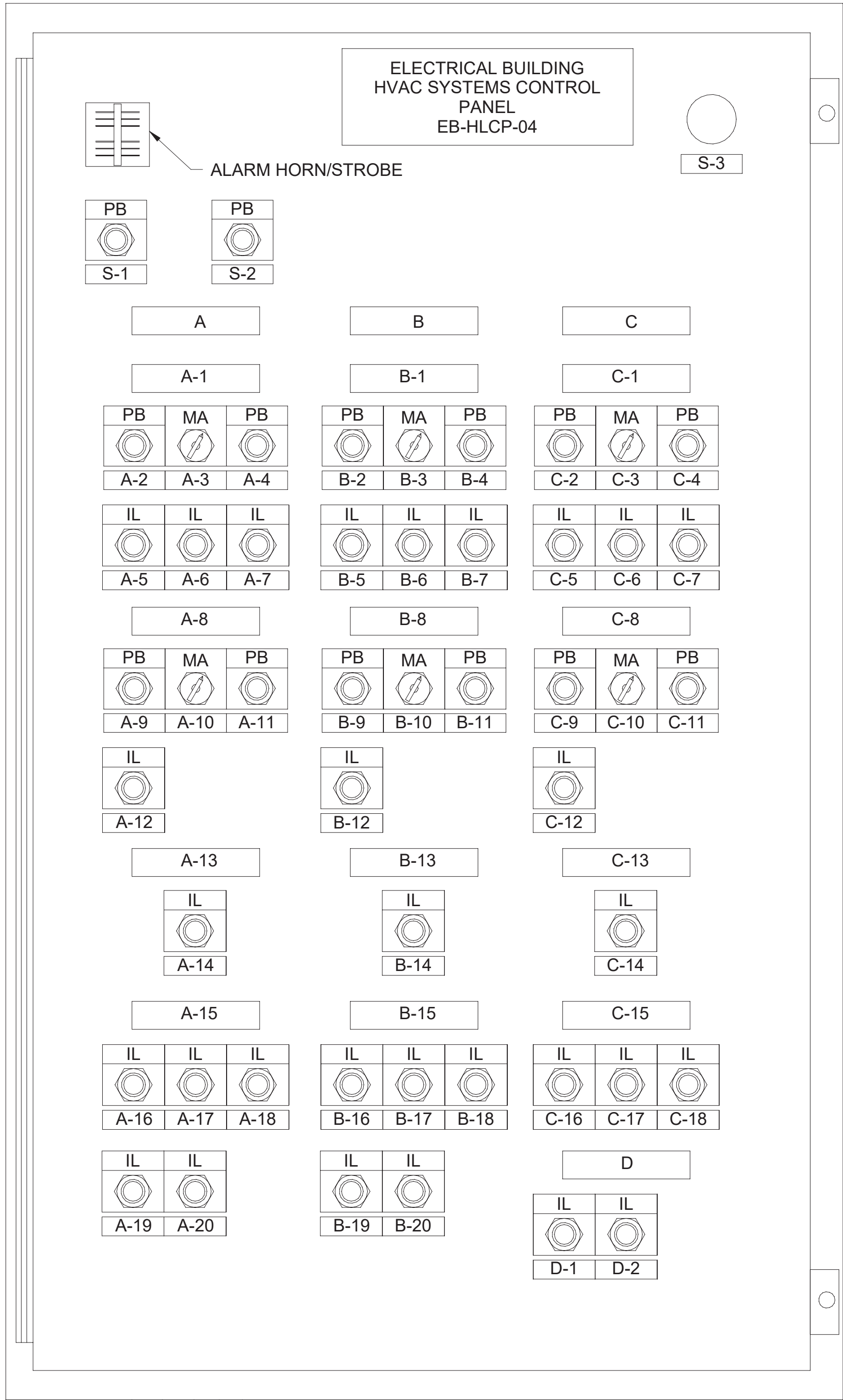
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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- EXHAUST FAN STATUS, ALARM, AND CONTROL TO FIELD DEVICES
- TO MOTOR STARTERS (THERMAL OVERLOAD FAULT, MOTOR RUNNING, START-STOP SIGNAL) FOR FANS (BY DIVISION 26)
- 120V POWER
- ACU, ACCU FAULT SIGNALS FROM ACU CONTROLLERS
- FAULT SIGNALS FROM EUH CONTROLLERS

1 CONTROL PANEL EB-HLCP-04 DETAIL
SCALE: N.T.S.

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	COMMUNICATIONS ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-6	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	DAMPER OPEN (RED)	INDICATION LIGHTS
A-8	INTAKE	NAMEPLATE
A-9	MD-13 INTAKE DAMPER OPEN	PUSHBUTTON
A-10	MD-13 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
A-11	MD-13 INTAKE DAMPER CLOSE	PUSHBUTTON
A-12	MD-13 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
A-13	COOLING	NAMEPLATE
A-14	ACU-2 COOLING ON (RED)	INDICATION LIGHTS
A-15	ALARMS	NAMEPLATE
A-16	EAF-6 FAULT (AMBER)	INDICATION LIGHTS
A-17	EAF-6 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
A-18	ACU-2 FAULT (AMBER)	INDICATION LIGHTS
A-19	ACU-2 LEAK DETECTION (AMBER)	INDICATION LIGHTS
A-20	ACCU-2 FAULT (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	SECURITY ROOM HVAC SYSTEM	NAMEPLATE
B-1	EAF-5	NAMEPLATE
B-2	START	PUSHBUTTON
B-3	MANUAL/AUTO	SELECTOR SWITCH
B-4	STOP	PUSHBUTTON
B-5	READY (GREEN)	INDICATION LIGHTS
B-6	RUNNING (RED)	INDICATION LIGHTS
B-7	DAMPER OPEN (RED)	INDICATION LIGHTS
B-8	INTAKE	NAMEPLATE
B-9	MD-11 INTAKE DAMPER OPEN	PUSHBUTTON
B-10	MD-11 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
B-11	MD-11 INTAKE DAMPER CLOSE	PUSHBUTTON
B-12	MD-11 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
B-13	COOLING	NAMEPLATE
B-14	ACU-1 COOLING ON (RED)	INDICATION LIGHTS
B-15	ALARMS	NAMEPLATE
B-16	EAF-5 FAULT (AMBER)	INDICATION LIGHTS
B-17	EAF-5 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-18	ACU-1 FAULT (AMBER)	INDICATION LIGHTS
B-19	ACU-1 LEAK DETECTION (AMBER)	INDICATION LIGHTS
B-20	ACCU-1 FAULT (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	FIRE SUPPRESSION ROOM HV SYSTEM	NAMEPLATE
C-1	EAF-9	NAMEPLATE
C-2	START	PUSHBUTTON
C-3	MANUAL/AUTO	SELECTOR SWITCH
C-4	STOP	PUSHBUTTON
C-5	READY (GREEN)	INDICATION LIGHTS
C-6	RUNNING (RED)	INDICATION LIGHTS
C-7	DAMPER OPEN (RED)	INDICATION LIGHTS
C-8	INTAKE	NAMEPLATE
C-9	MD-22 INTAKE DAMPER OPEN	PUSHBUTTON
C-10	MD-22 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
C-11	MD-22 INTAKE DAMPER CLOSE	PUSHBUTTON
C-12	MD-22 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
C-13	HEATING	NAMEPLATE
C-14	EUH-2 HEATING ON (RED)	INDICATION LIGHTS
C-15	ALARMS	NAMEPLATE
C-16	EAF-9 FAULT (AMBER)	INDICATION LIGHTS
C-17	EAF-9 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
C-18	EUH OVER TEMPERATURE (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
D	SMOKE ALARMS	NAMEPLATE
D-1	COMMUNICATIONS ROOM SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS
D-2	SECURITY ROOM SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

NOTES:

- PROVIDE NAMEPLATE FOR EVERY PANEL WITH MULTIPLE SOURCES OF POWER. THE NAMEPLATE SHALL BE RED BACKGROUND, WHITE LETTERS AND IT SHALL READ: "WARNING- THIS DEVICE IS CONNECTED TO MULTIPLE SOURCES OF POWER". TYPICAL FOR ALL PANELS WITH MULTIPLE POWER SOURCES.
- ALL START/STOP OR OPEN/CLOSE PUSHBUTTONS SHALL BE ILLUMINATED LED FLUSH-GUARDED SERIES. ALL INDICATOR LIGHTS SHALL BE LED, PUSH-TO-TEST.
- PILOT DEVICES COLOR CODE:
 - A. START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
 - B. STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
 - C. VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
 - D. VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
 - E. ALARM OR FAULT - AMBER
 - F. TEST OR SILENCE PUSHBUTTON - BLACK
 - G. EMERGENCY STOP MOMENTARY
 - H. MUSHROOM PUSHBUTTON - YELLOW
- REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS
- PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED
- PROVIDE EQUIPMENT NUMBER AND TAG UNDER EACH OPERATING CONTROL AS PER SPECIFICATION 23 05 53 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT.
- 120VAC POWER TO CONTROL PANEL SHALL BE PROVIDED BY DIVISION 26. ALL OTHER CONTROL AND POWER WIRING AND CONDUIT FROM CONTROL PANEL TO ALL REMOTE DEVICES, SUCH AS THERMOSTATS, DAMPER ACTUATORS, SENSORS, SWITCHES, ETC., SHALL BE PROVIDED UNDER DIVISION 23. GENERAL NOTES.
- CONTRACTOR SHALL HIRE A BWS-APPROVED SCADA INTEGRATOR TO MODIFY THE EXISTING SCADA SYSTEM AT THE FLUORIDE BUILDING TO MONITOR STATED POINTS VIA FIBER CONNECTIVITY WITH HVAC SYSTEMS CONTROL PANEL EB-HLCP-01 THROUGH EB-HLCP-04. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED HARDWARE SOFTWARE INCLUDING GATEWAYS TO MONITOR THESE POINTS ON SCADA (HMI) SYSTEM. INTEGRATOR TO COORDINATE PROTOCOL WITH EB-HLCP-01 PANEL SUPPLIER.
- AS A MINIMUM, THE FOLLOWING SIGNALS SHALL BE SENT TO FLUORIDE BUILDING CONTROL PANEL (PLC) FOR MONITORING ONLY

1



ADDENDUM NO.

DATE ISSUED: 08/2023

GRAPHIC SCALES
CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34"
IT IS A REDUCED PRINT.
SCALE ACCORDINGLY

VERTICAL DATUM
CONVERSION (ft)
+1.28 - BWS

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 4

DATE: AUGUST 2023

SCALE: AS NOTED

SHEET NO:

DRAWING NO.
KSEB-H-908.01

DESIGNED BY:
AP

CHECKED BY:
RPP

DESIGN LEAD:
DEEPAK KANDRA, PE

SECTION MANAGER:

DRAWN BY:
AP

ARUP



ACCOUNTABLE MANAGER
JUSTIN RIVELLINO

PORTFOLIO MANAGER
LAUREN D'ATTILE, PE

DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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