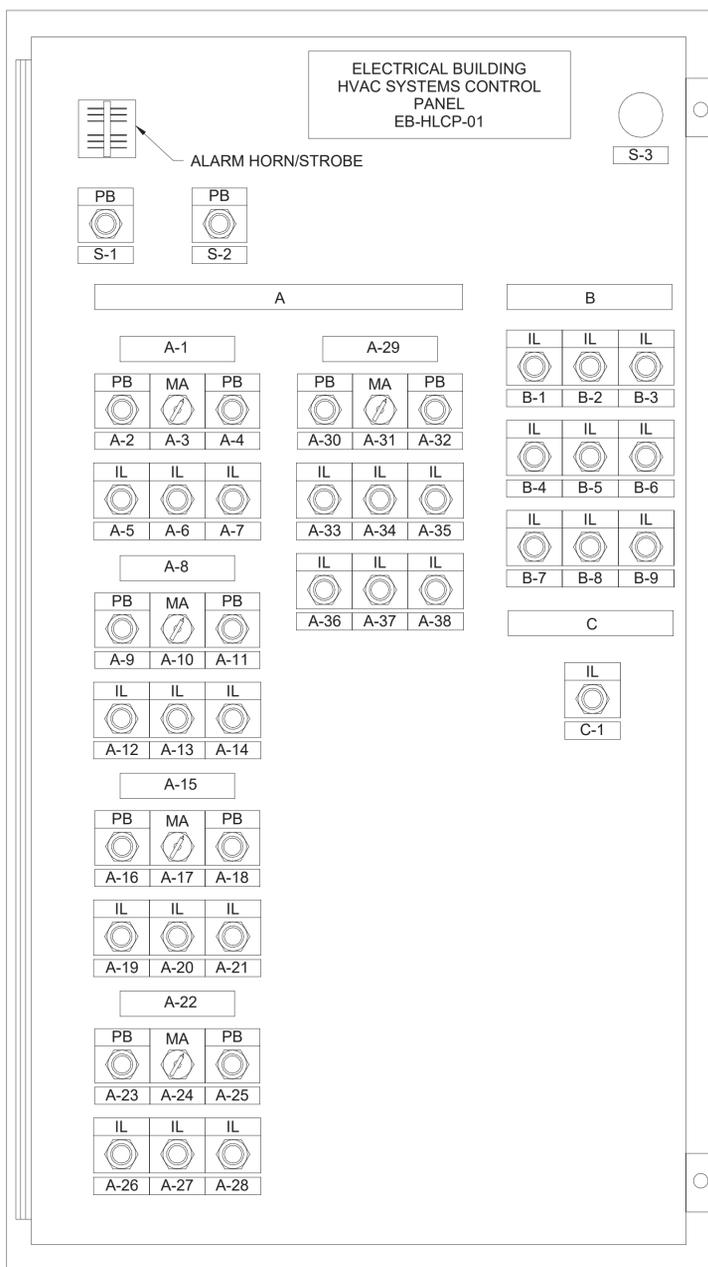


**NOTES:**

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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
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EQUIPMENT FAULT INDICATION		
INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
29	EAF-6-FAULT	COMMUNICATION ROOM EAF-6 FAULT INDICATION
30	EAF-7-FAULT	BATTERY ROOM EAF-7 FAULT INDICATION
31	EAF-8-FAULT	BATTERY ROOM EAF-8 FAULT INDICATION
32	EAF-9-FAULT	FIRE SUPPRESSION ROOM EAF-9 FAULT INDICATION
33	EAF-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-4 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	EAF-1-IND	UNIT SUBSTATION ROOM EAF-1 ON INDICATION
16	EAF-2-IND	UNIT SUBSTATION ROOM EAF-2 ON INDICATION
17	EAF-3-IND	MV SWITCHGEAR ROOM EAF-3 ON INDICATION
18	EAF-4-IND	MV SWITCHGEAR ROOM EAF-4 ON INDICATION
19	EAF-5-IND	SECURITY ROOM EAF-5 ON INDICATION
20	EAF-6-IND	COMMUNICATION ROOM EAF-6 ON INDICATION
21	EAF-7-IND	BATTERY ROOM EAF-7 ON INDICATION
22	EAF-8-IND	BATTERY ROOM EAF-8 ON INDICATION
23	EAF-9-IND	FIRE SUPPRESSION ROOM EAF-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	EAF-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	EAF-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

NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	UNIT SUBSTATION ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAF-1 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAF-1 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAF-2 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAF-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

- 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.

**NYC Environmental Protection**  
**ADDENDUM NO. 3**  
 DATE ISSUED: 08/2023

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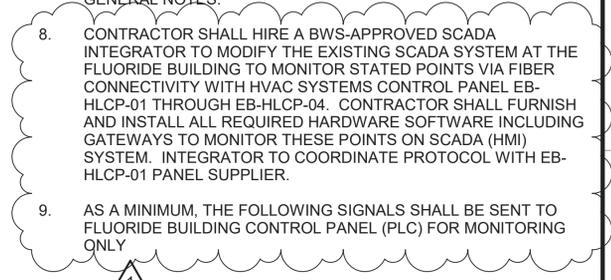
8/4/2023 5:13:23 PM

DESIGNED BY: AP	DRAWN BY: AP			ACCOUNTABLE MANAGER JUSTIN RIVELLINO PORTFOLIO MANAGER LAUREN D'ATTILE, PE DEPUTY DIRECTOR, IN HOUSE DESIGN MICHAEL LOEHR, PE	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION, 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION, 7209.2.*	<b>NEW YORK CITY ENVIRONMENTAL PROTECTION</b> BUREAU OF ENGINEERING DESIGN & CONSTRUCTION 96-05 HORACE HARDING EXPRESSWAY 5th FLOOR CORONA, NEW YORK 11368 www.nyc.gov/dep	<b>CONTRACT KENS-EAST-2</b> KENSICO SITE PREPARATION HVAC ELECTRICAL BUILDING CONTROLS DETAILS 1	DATE: AUGUST 2023 SCALE: AS NOTED SHEET NO:
CHECKED BY: RPP	DESIGN LEAD: DEEPAK KANDRA, PE							DRAWING NO. KSEB-H-905.01
NO. DATE	REVISIONS/DESCRIPTION	APPR'D.	SECTION MANAGER:					

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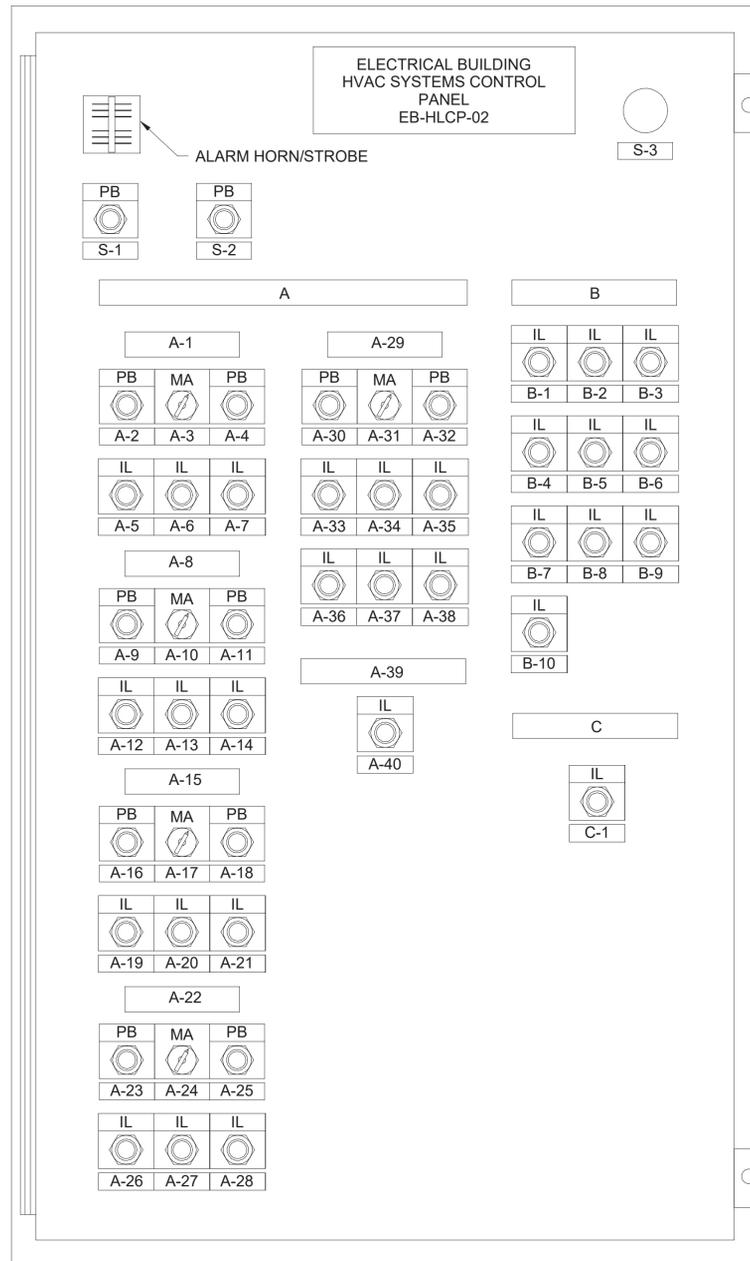


NAMEPLATE AND PILOT DEVICE SCHEDULE		
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

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



- EXHAUST FAN, SUPPLY FAN STATUS, ALARM, AND CONTROL TO FIELD DEVICES
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- 120V POWER
- RTU-2 FAULT SIGNAL FROM RTU-2 CONTROLLER
- FAULT SIGNALS FROM EUH CONTROLLERS

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

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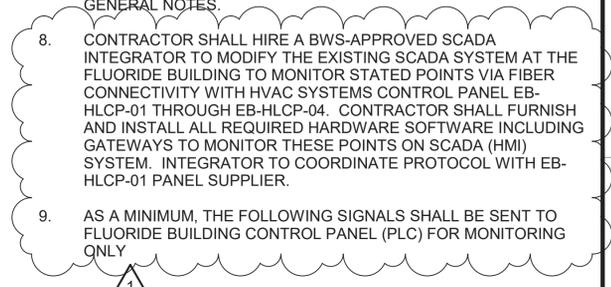
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**NAMEPLATE AND PILOT DEVICE SCHEDULE**

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**

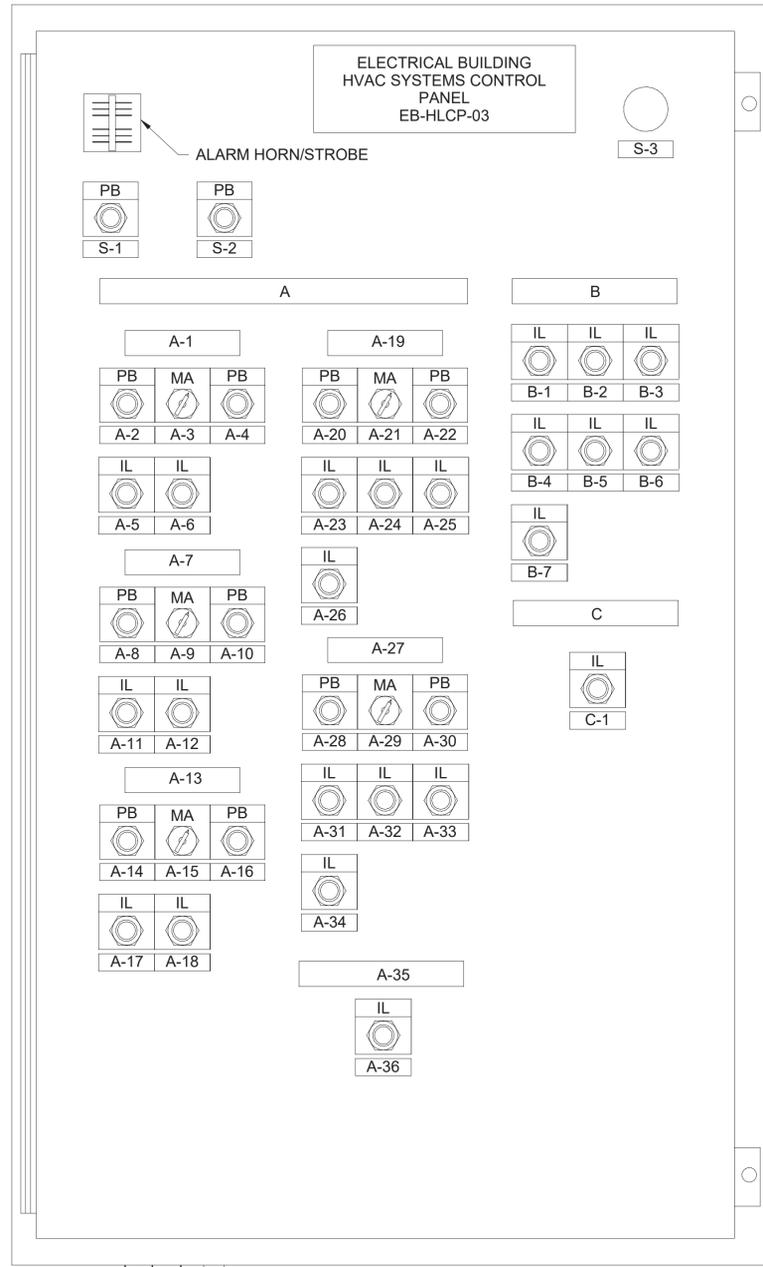
NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	BATTERY ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-7	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	EAF-8	NAMEPLATE
A-8	START	PUSHBUTTON
A-9	MANUAL/AUTO	SELECTOR 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



- 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
- RTU FAULT SIGNALS FROM RTU CONTROLLERS
- FAULT SIGNALS FROM EUH CONTROLLERS

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

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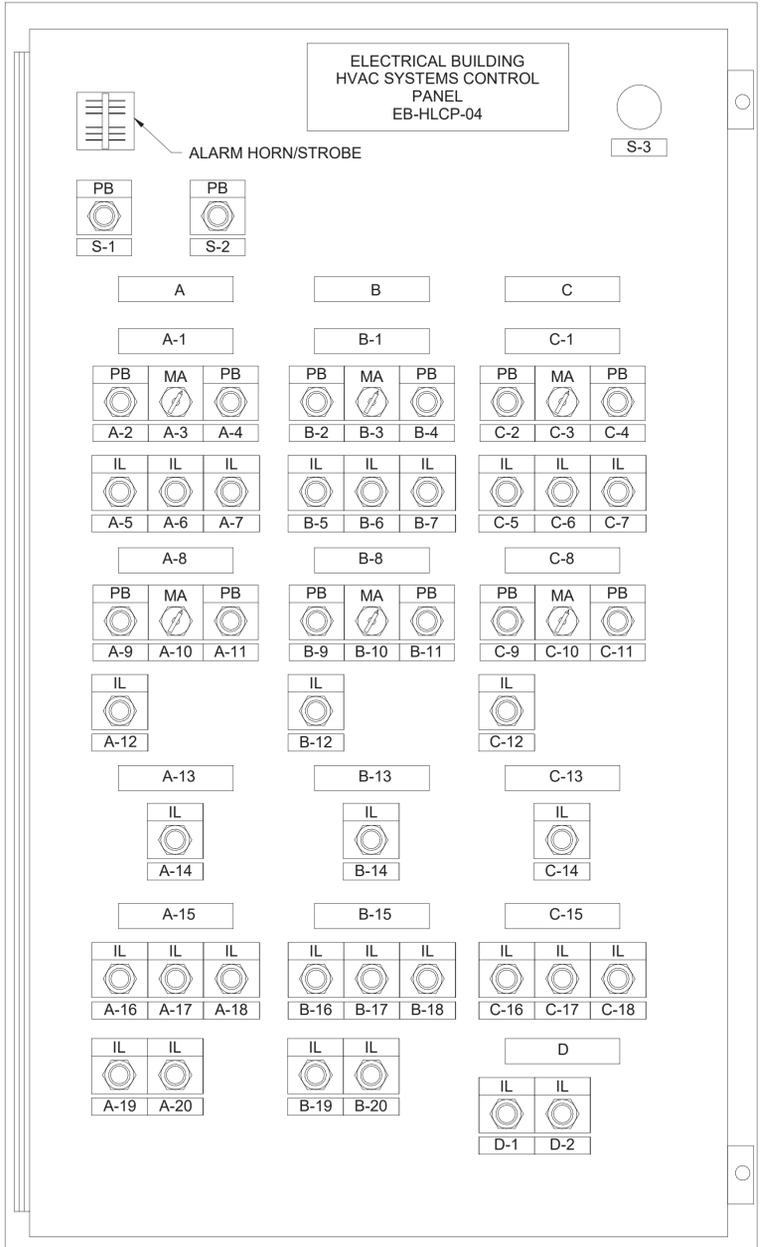
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DESIGNED BY: AP	DRAWN BY: AP			ACCOUNTABLE MANAGER JUSTIN RIVELLINO  PORTFOLIO MANAGER LAUREN D'ATTILE, PE  DEPUTY DIRECTOR, IN HOUSE DESIGN MICHAEL LOEHR, PE	*WARNING-IT IS A VIOLATION, OF THE NEW YORK STATE EDUCATION LAW, SECTION, 7209.2, FOR ANY PERSON, UNLESS (S)HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION, LAW, SECTION, 7209.2.*	<b>NEW YORK CITY ENVIRONMENTAL PROTECTION</b> BUREAU OF ENGINEERING DESIGN & CONSTRUCTION 96-05 HORACE HARDING EXPRESSWAY 5th FLOOR CORONA, NEW YORK 11368 www.nyc.gov/dep	<b>CONTRACT KENS-EAST-2</b> <b>KENSICO SITE PREPARATION</b>  HVAC ELECTRICAL BUILDING CONTROLS DETAILS 3	DATE: AUGUST 2023 SCALE: AS NOTED SHEET NO:
CHECKED BY: RPP	DESIGN LEAD: DEEPAK KANDRA, PE							SECTION MANAGER: NO. DATE REVISIONS/DESCRIPTION APPRD.

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

**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



- ▶ 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

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CHECKED BY: RPP	
DESIGN LEAD: DEEPAK KANDRA, PE	
SECTION MANAGER:	



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

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**ADDENDUM NO.**  
DATE ISSUED: 08/2023

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**CONTRACT KENS-EAST-2 KENSICO SITE PREPARATION**  
HVAC ELECTRICAL BUILDING CONTROLS DETAILS 4  
DRAWING NO. KSEB-H-908.01

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