

A. THE SYSTEM CONSISTS OF A 100% OUTSIDE AIR MAKEUP AIR UNIT (MAU-P2-1) WITH CONSTANT SPEED SUPPLY FAN,

GAS FIRED HEATING SECTION AND FACTORY PACKAGED CONTROLS, AND A CONSTANT SPEED GREASE HOOD EXHAUST

1. PROVIDE A MANUAL WALL SWITCH (WITH PILOT LIGHT) WHICH SIGNALS THE DDC SYSTEM TO START AND STOP THE

4. UPON A SIGNAL FROM THE FIRE ALARM SYSTEM THAT THE FIRE ALARM SYSTEM IS IN ALARM, DDC SYSTEM SHALL OVERRIDE THE MANUAL WALL SWITCH AND START THE GREASE HOOD EXHAUST FAN (WHICH ALSO SIGNALS MAU-P2-1

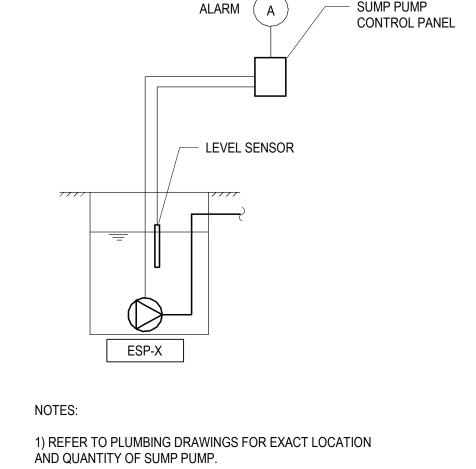
1. ON AN ENABLE COMMAND FROM THE DDC SYSTEM, PACKAGED CONTROLS OPEN THE UNIT INLET DAMPER, STARTS

2. DISCHARGE AIR TEMPERATURE SETPOINT WILL BE RESET BY A SIGNAL FROM THE CONTROLLER PROVIDED WITH

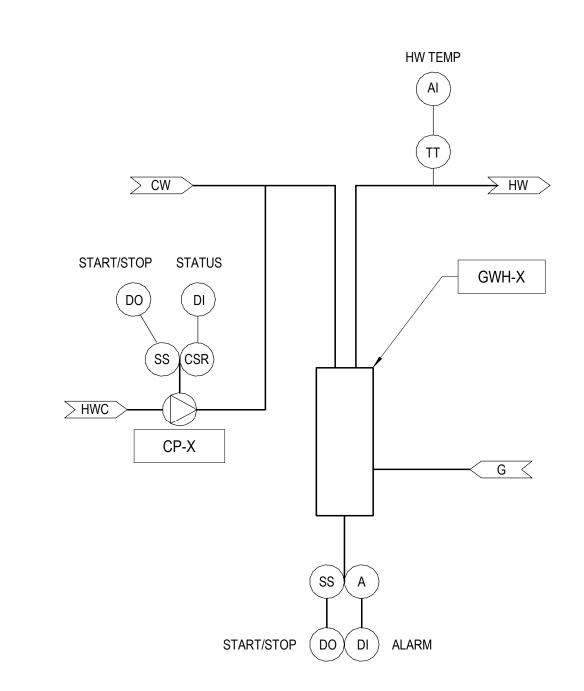
3. FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE

THE SUPPLY FAN AND CONTROL THE GAS BURNER TO MAINTAIN THE UNIT DISCHARGE TEMPERATURE.

WHENEVER THE GREASE HOOD EXHAUST FAN IS SIGNALLED TO START, SIGNAL THE MAKEUP AIR UNIT TO PERATE. IF THE GREASE HOOD EXHAUST FAN IS LEFT ON AT THE EXPIRATION OF THE OCCUPIED MODE, PROVIDE A DDC

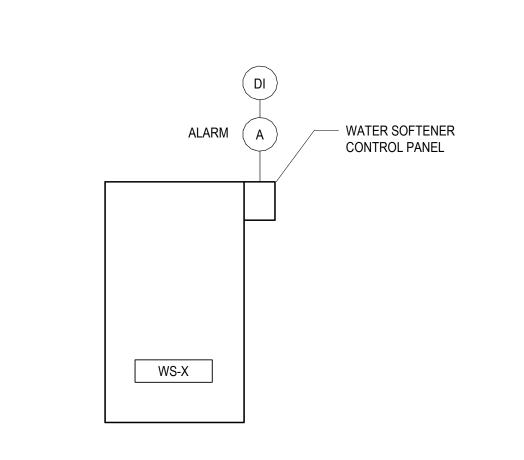


3 SUMP PUMP CONTROL DIAGRAM
SCALE: NTS



GAS FIRED DOMESTIC HOT WATER HEATER SYSTEM DIAGRAM

SCALE: NTS



5 WATER SOFTNER CONTROL DIAGRAM
SCALE: NTS

B. DDC CONTROLS PERFORM THE FOLLOWING FUNCTIONS:

C. MAU-P2-1 PACKAGED CONTROLS PERFORM THE FOLLOWING FUNCTIONS:

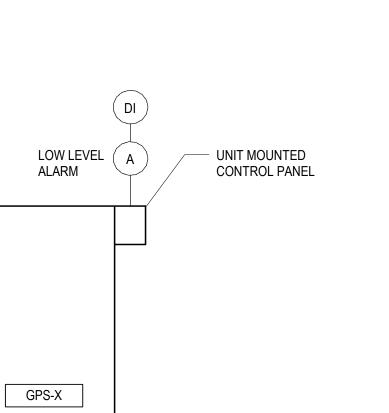
TO RUN, THE HOOD MAKEUP AIR UNIT WILL SHUTDOWN.

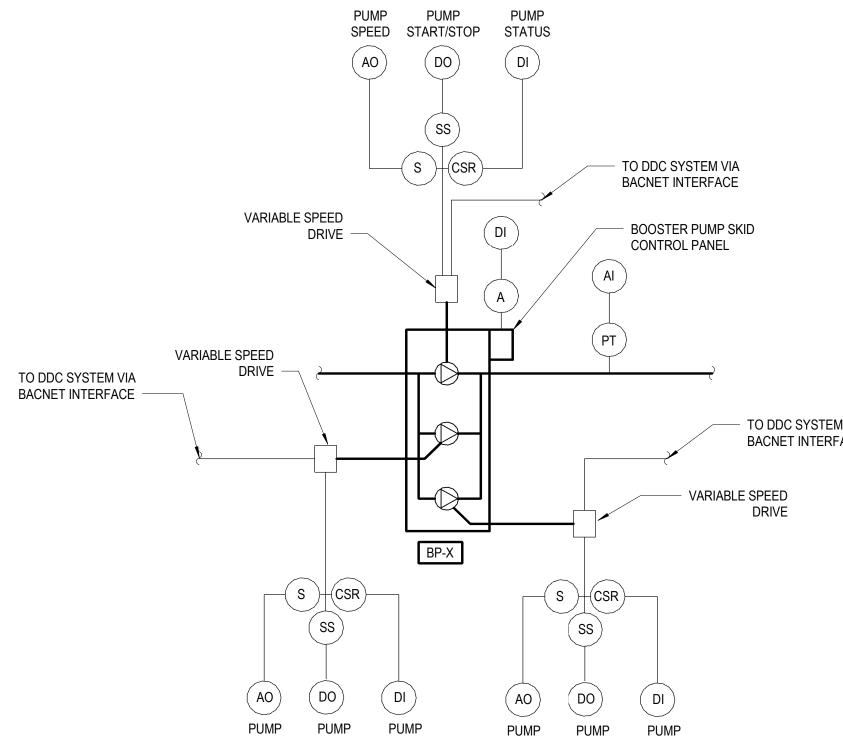
KITCHEN MAKEUP AIR SYSTEM DIAGRAM

GREASE HOOD EXHAUST FAN (PCU-B-1).

STATUS ALARM.

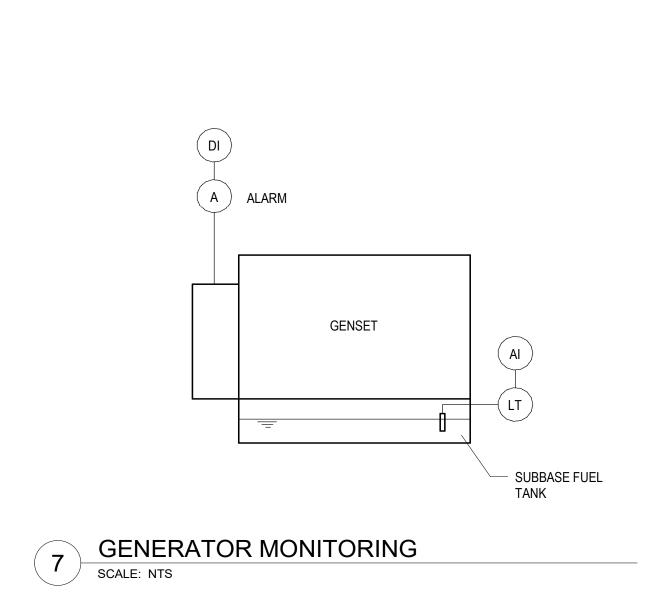
SCALE: NTS

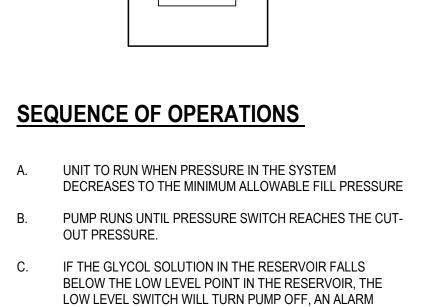




SEQUENCE OF OPERATIONS

A. UNIT TO RUN BASED ON INTERNAL LOGIC AT THE CONTROL PANEL. PUMPS TO STAGE ON & OFF BASED ON





LIGHT WILL BE SIGNALED LOCALLY AND ALARM WILL BE

GLYCOL PUMP SUPPLY UNIT CONTROL DIAGRAM

SENT TO BMS SYSTEM AS WELL.

SCALE: NTS

BOOSTER PUMP CONTROL DIAGRAM SCALE: NTS

SPEED START/STOP STATUS

DOMESTIC WATER DEMAND. TO DDC SYSTEM VIA BACNET INTERFACE

> IFC Set 2 of 3 5/17/2024

no. date

Reserved for permit stamp

Kundig

Olson

ASPEN GROUP

Aspen Group USA, LLC PO Box 980022

Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290

<u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047

Provo, UT 84604

Specifications Writer
Friday Group
88 Mainelli Road

Seattle, WA 98104

<u>Lighting Designer</u> **O-**

2101 N 34th St Seattle, WA 98103

Code Consultant
Holmes
600 1st Avenue, Suite 200A

Fire Protection Engineer

Jensen Hughes
One Research Drive, Suite 305C

Vertical Transportation Consulatant Lerch Bates 19515 North Creek Parkway, Suite 304 Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219

Building Envelope Consultant RDH

Accessibility Consultant
Studio Pacifica 2144 Westlake Ave N, Suite F

MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100

principal architect_____

project manager_____

job no.

drawn by_____

checked by <u>Checker</u>

date 5/17/2024

Seattle, WA 98109

Seattle, WA 98154

Westborough, MA 01581

Middlebury, VT

MECHANICAL CONTROL DIAGRAM M5.13