

HEATED AIR CURTAIN SEQUENCE OF OPERATIONS
HAC-1

SYSTEM DESCRIPTION

THE MECHANICAL SYSTEM CONSISTS OF AN ELECTRICALLY HEATED AIR CURTAIN, DOOR SWITCH, FAN SPEED SWITCH, THERMOSTAT, AND A REMOTE TEMPERATURE SENSOR. THE HEATER IS CONTROLLED BY BOTH THE DOOR SWITCH AND THE THERMOSTAT.

SCHEDULE

THE HEATER SHALL BE OPERATIONAL 24 HOURS A DAY 7 DAYS A WEEK. THE AIR CURTAIN SHALL OPERATE UNDER THE CONTROL OF BOTH THE INTEGRAL THERMOSTAT AND THE DOOR SWITCH.

COOLING MODE

THE FAN SHALL CYCLE ON AS THE DOOR SWITCH SENSES THAT THE DOOR HAS BEEN OPENED AND CYCLE OFF AS THE DOOR CLOSES. THE FAN SPEED SHALL DETERMINED BY THE FAN SPEED SWITCH.

HEATING MODE

THE ELECTRIC HEATING COIL AND FAN SHALL CYCLE ON AND OFF AS REQUIRED BY THE SPACE TEMPERATURE AT THE SENSOR. THE HEAT SHALL CYCLE TO MAINTAIN THE TEMPERATURE SETPOINT OF 68°F (ADJUSTABLE). THE FAN SPEED SHALL BE DETERMINED BY THE FAN SPEED SWITCH.

HVAC SEQUENCE OF OPERATIONS

SYSTEM DESCRIPTION

THE THE MECHANICAL SYSTEM CONSISTS OF A GAS/ELECTRIC ROOFTOP UNIT (RTU), AIR-SIDE ECONOMIZERS, AND FIELD INSTALLED POWERED EXHAUST. THE RTU IS CONTROLLED BY A STAGED PROGRAMMABLE THERMOSTAT.

SCHEDULE

THE RTU SHALL OPERATE IN THE OCCUPIED MODE PER THE SCHEDULE AND WHEN THE THERMOSTAT OVERRIDE BUTTON HAS BEEN PRESSED. THE OCCUPANCY SCHEDULE, WHICH IS BASED ON EMPLOYEE ARRIVAL AND DEPARTURE TIMES, SHALL BE PROVIDED BY THE GAP. INC. PROJECT MANAGER. MODIFY THE SCHEDULE BELOW TO RELFECT THE GIVEN SCHEDULE. IF SPECIFIC TIMES ARE NOT PROVIDED, USE THE FOLLOWING SCHEDULE FOR OCCUPIED MODE.

MON: 8AM TO 10PM
TUE: 8AM TO 10PM
WED: 8AM TO 10PM
THU: 8AM TO 10PM
FRI: 8AM TO 10PM
SAT: 8AM TO 10PM
SUN: 8AM TO 10PM

OCCUPIED MODE

THE OUTSIDE AIR (OA) DAMPER SHALL OPEN TO THE MINIMUM OA SETPOINT. THE SUPPLY FAN SHALL START TO PROVIDE HEATING OR COOLING TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

OCCUPIED MODE COOLING

THE COMPRESSORS SHALL START AND STAGE ON AND OFF AS REQUIRED TO MAINTAIN TEMPERATURE SETPOINT OF 72 DEGREES FAHRENHEIT, ADJUSTABLE UP OR DOWN BY 2 DEGREES AT THE THERMOSTAT. THE INTEGRAL ECONOMIZER LOGIC BOARD SHALL DETERMINE WHEN ECONOMIZER COOLING IS POSSIBLE. ON A CALL FOR ECONOMIZER AIR, THE POWERED EXHAUST FAN SHALL ENERGIZE TO PROVIDE SUPPLEMENTAL AIR RELIEF FROM SPACE.

OCCUPIED MODE HEATING

THE GAS HEAT FURNACE SHALL STAGE ON AND OFF AS REQUIRED TO MAINTAIN TEMPERATURE SETPOINT OF 68 DEGREES FAHRENHEIT, ADJUSTABLE UP OR DOWN BY 2 DEGREES AT THE THERMOSTAT. THE OA DAMPER SHALL REMAIN OPEN TO THE MINIMUM OA SETPOINT

UNOCCUPIED MODE

THE OUTSIDE AIR DAMPER SHALL CLOSE AND REMAIN CLOSED DURING THE UNOCCUPIED MODE. THE SUPPLY FAN SHALL START AND OPERATE ONLY IF THERE IS A CALL FOR COOLING OR HEATING.

UNOCCUPIED MODE COOLING

THE COMPRESSORS SHALL START AND STAGE ON AND OFF AS REQUIRED TO MAINTAIN TEMPERATURE SETPOINT OF 85 DEGREES FAHRENHEIT.

UNOCCUPIED MODE HEATING

THE GAS FURNACE SHALL STAGE ON AND OFF AS REQUIRED TO MAINTAIN TEMPERATURE SETPOINT OF 62 DEGREES FAHRENHEIT.

OVERRIDE

THE RTU SHALL OPERATE IN THE OCCUPIED MODE FOR A PERIOD OF 120 MINUTES.

SMOKE DETECTOR SAFTEY

SHOULD THE SMOKE DETECTOR TRIP, THE SHUTDOWN SEQUENCE WILL COMMENCE.

SHUTDOWN SEQUENCE

THE FAN AND COMPRESSORS WILL SHUTDOWN, THE GAS HEAT FURNACE WILL SHUT DOWN, AND THE OUTSIDE AIR DAMPER ACTUATOR WILL FAIL CLOSED.

NEW STORE



GAP INC.
STORE DEVELOPMENT
2 FOLSOM STREET
SAN FRANCISCO, CA 94105

ORACLE I.D.:

140261

STORE NUMBER:

7341

STORE LOCATION:

STATION PARK
230 NE PROMONTORY
SPACE C-120
FARMINGTON, UT 84025

DESIGN TYPE: DERBY B
GENERATION: 21Q34
PROTOTYPE DATE: 1/8/2021
OPENING: 2021

ARCHITECT INFO:



ARCHITECT OF RECORD:

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UT. CORPORATE NUMBER: 4977264-0143
09/30/21

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ISSUE TYPE:

LL/PERMIT/BID: 02/19/21

REVISIONS:

DRAWN BY: HEI

A/E JOB NUMBER: 65011072

TITLE SHEET:
SEQUENCE OF
OPERATIONS

SHEET NUMBER:

M8-1