

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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No. 0580001083(2)

Model 8730

Outdoor Heated Shower and Eyewash System
Area Classification – Ordinary



DISCLAIMER

IMPORTANT

Read this installation manual completely to ensure proper installation, then file it with the owner or maintenance department. Compliance and conformity to drain requirements and other local codes and ordinances is the responsibility of the installer.

Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.

Flush the water supply lines before beginning installation and after installation is complete. Test the unit for leaks and adequate water flow. Main water supply to the emergency fixture should be "ON" at all times. Provisions shall be made to prevent unauthorized shutoff. Please refer to the enclosed instructions for flushing the unit prior to use.

The ANSI Z358.1 standard requires an uninterrupted supply of potable water. Water supply must be capable of providing specified capacity (GPM) and water pressure range (PSI) at all flow rates.

The inspection and testing results of this equipment should be recorded weekly to verify proper operation. This equipment should be inspected annually to ensure compliance with ANSI Z358.1.

Installation and maintenance of this system must be completed by a qualified plumber and electrician in accordance with the information contained in this installation manual and in compliance with all national and local codes. When making electrical connections, be sure to follow all lockout-tag out safety procedures.

It is recommended that all water supply and electrical connections be made at temperatures above freezing (32°F (0°C)). Failure to do so may result in product and or property damage.

For technical support, contact:

Haws Services | (800) 766-5612 | www.hawsco.com/solutions-services/services/

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DESCRIPTION OF PRODUCT

Haws Corporation Model 8730 Outdoor Shower Booth is a foam-insulated, aluminum skinned enclosure with high visibility green chemical and UV resistant polyester-based powder coating. Large graphics identify the building as an emergency shower/eyewash station and assist in guiding the user to the double swing doors. The interior is illuminated green during standby and changes to white light when someone enters the doors, or the shower or eyewash is activated. Optional space heating is available for user safety and comfort and equipment protection.

The 8730 booth includes a Haws[®] combination shower and eyewash that is protected with a scald valve. Optional alarms are activated by proximity switches when the shower and/or eyewash are in use. Dry contacts can be provided for remote alarm notification and/or both visual and audible alarms with a silencing circuit that auto resets can be provided.

SHIPPING, HANDLING AND STORAGE

M	Model	Description	Dimensions W x L x H	Weight	Dimensions W x L x H (Crated)	Weight (Crated)
8	8730	Outdoor Shower and Eyewash System	60" x 60" x 102"	< 2000 lbs.	69" x 134" x 106"	< 2000 lbs.

Recommended Equipment, Materials and Supplies to be provided by Installer:

- Concrete slab rated to support a minimum of 8,000-pound load requirement.
- (4) 3/4" minimum diameter by 1-1/2" minimum length anchor bolts with washers.
- A forklift capable of lifting 5,000 lbs. should be utilized to transport the unit from truck to site. The unit should be lifted from the rear, or equipment end, and low to the ground.
- Electrical Supply Materials (if applicable).
- Plumbing Supply Materials (if applicable).
- Freeze protection equipment for the water supply leading up to the enclosure (if applicable).

Storage

The unit should be stored in a clean, dry place until ready for installation unless otherwise specified.

INSTALLATION PROCEDURE

- a. Remove unit from crate.
- b. The unit should be secured on a level site, using the supplied brackets and suitable anchoring devices. Suggested anchoring devices are 3/4" minimum diameter by 1-1/2" minimum length anchor bolts with washers.
- c. If the booth is to be placed over a drain, the drain should be able to handle a flow of 35 GPM; otherwise, the slab should be made to allow the water to drain out the sides and away from the booth (see Figure 1). The unit discharges hundreds of gallons of water, which can cause significant property damage and a potential hazard if not drained properly.

WARNING: Drainage means shall not create an obstruction or tripping hazard.

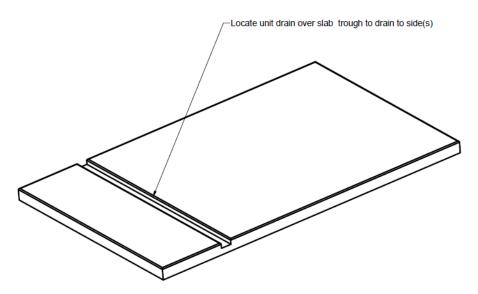


Figure 1. Example of Slab with Drain Trough

WARNING: Failure to allow water to drain may result in premature failure of booth, voiding of product warranty, property damage, and hazard to personnel. (See System Drain and Check Procedure)

d. The connection provided for the water supply is a 1-1/2" NPT union. Water supply lines are required to be capable of supplying 30 GPM of potable water at a dynamic pressure of 30-90 psi at 60°F to 95°F. The water supply line should run for a few minutes prior to connection to eliminate any debris before it enters the equipment.

e. Connect electrical supply to the Power Disconnect Switch (see Figure 2).

NOTICE: All Power Connections must be made according to local codes and standards using components which are compliant with the area the unit is being installed in.



Figure 2. Disconnect Switch Junction Box

CAUTION: Do not apply power to the unit until all water connections are made and the tank and piping are full of water.

f. Once all water and power connections are made, open the supply water valve, and fill the system. While water is flowing into the system, open the emergency shower to facilitate air removal from the system. After water flows freely from the shower for several minutes, turn the shower off. Inspect plumbing for leaks and repair, as necessary. During transit, some plumbing may have become loose, allowing water to leak from the threads.

CAUTION: Before turning on the power, close all electrical boxes.

- g. At this point the power can be turned on.
- h. The optional internal space heater has an adjustable thermostat, which is factory set at 70°F (21°C).

WARNING: System is not freeze protected without an energized electrical connection. It is recommended that installation be completed when ambient temperature is above freezing.

Checklist for start-up

CHECKLIST	Complete OK	Inspector Initials
Pre-connection Check		
Check all components for any connections or connectors that may have loosened during		
shipping.		
System Flush (All Electrical Power off for System Flush)	_	
Verify that the required water supply pressure is available at the Tepid-Water Inlet.		
Drain is attached and able to handle a flow of 35 GPM.		
Water is clear and free of any contamination, particles, or discoloration.		
Connections		
System is charged with water and all air is evacuated from the system.		
Connect remote monitoring via plant control system (if applicable).		
Applying Power to the System		
Verify that the proper voltage is present.		
Verify that equipment ground is properly connected.		
Apply power to the system.		
Verify that the space heater thermostat is set to 70° F (21°C) (if applicable). Increase the		
thermostat set point and verify that the heater is producing heat. Return the thermostat to		
70ºF.		
Verify that interior and exterior lights are illuminated (if equipped).		
HAWS® Shower and Eye/Facewash	1	
Flow water through an eyewash or shower.		
Verify that the exterior light flashes at 1 second intervals and that the audible alarm sounds		
(if equipped).		
Press the alarm silence button and verify that the exterior light is flashing, and the audible		
alarm is silent (if equipped).		
Deactivate the shower or eyewash that is active, verify that the exterior light is not flashing,		
and that the audible alarm is silent (if equipped).		

PROGRAMMABLE CONTROLLER

The programable controller executes the following functions:

- Deactivates the tank heater when the tank level is low.
- Switches the alarm light from steady to flashing when eyewash/shower is in use.
- Opens dry contacts for Common alarm when tank level is low.
- Opens dry contact for In Use alarm when eyewash/shower is in use.
- Changes interior light from green to white when doors are opened.

The following table lists the inputs and outputs available with the system. System may not contain all components.

Input	Function	Output	Function
I-01	Horn Silence Button	Q-01	Tank Heater Contactor
I-02	Flow Switch or Proximity Switch	Q-02	Area/ Alarm Light
I-03	Proximity Switch	Q-03	Alarm Horn
I-04	Level Switch	Q-01 (Exp. Mod.)	Customer Contact (Common)
I-05	Door Proximity Switch	Q-02 (Exp. Mod.)	Customer Contact (In Use)
I-06	Tank Temperature Switch	Q-03 (Exp. Mod.)	Interior Light (Green/White)

NOTE: For model specific program, please contact Haws Services at 1-800-766-5612.

PREVENTIVE MAINTENANCE

Note: These are general instructions applicable to all Haws Model 8730 Outdoor Shower Booths.

Additional maintenance activities may apply to particular configurations/options supplied.

Weekly

- Verify area lights located inside and outside the booth are operational.
- Verify space heater is functioning by raising space heater thermostat to a set point above the ambient temperature. Thermostat is mounted on the space heater. After several minutes the space heater should begin to emit heat. Return space heater thermostat to 70°F (21°C).
- Verify shower and eyewash flow per ANSI requirements.
- Verify temperature supply temperature is between 60°F and 95°F.

Monthly

- Verify eyewash flows. Optional Alarm light and horn should activate when water is flowing. Verify that remote alarms connected to plant controls are functioning.
- Verify shower flow. Optional Alarm light and horn should activate when water is flowing. Verify that remote alarms connected to plant controls are functioning.
- Check for evidence of leakage on freeze and scald valves.

Quarterly

Flush Y-strainers (if installed)

Annually

All emergency showers and eye/face washes shall be inspected annually to assure conformance
of ANSI Z358.1. This includes, but not limited to, proper installation, accessible locations, proper
flow rate and temperature of flushing fluid. Please refer to the most current standards document
for more information.

MAINTENANCE, TESTING, REPAIR

Booth

The booth is made of aluminum skins laminated to an insulating foam core then powder coated. Should cleaning be necessary, a mixture of water with household glass cleaner or rubbing alcohol

can be used. For repairs to small holes in the booth, Sikaflex 1A Construction Sealant, silicone, or

a similar sealant can be used to seal openings in the booth's surface.

WARNING: Failure to patch or fill any holes or punctures to booth may result in premature

failure of booth and void the product warranty.

Double Swinging Doors

CAUTION: KEEP FINGERS AWAY FROM PINCH POINTS!

The doors have been adjusted at the factory with proper tension to allow for closure of doors.

Should doors need to be adjusted, tension can be changed by adjusting the spring tensioner at the

top or bottom of the spring loaded double acting hinges.

Combination Shower/Eyewash

Verify shower and eyewash flow per ANSI requirements.

NOTE: If shower and/or eyewash does not flow per ANSI requirements or at all, consult Haws Services.

Freeze and Scald Valve

Scald valve is designed to open before internal water temperature exceeds 100°F (37.8°C).

Freeze is designed to open before internal water temperature drops below 35°F (1.7°C).

NOTE: If valve does not fully open/close, check valve seat for debris or scale build up. If no debris or scale

is present, consult Haws Services at 1-800-766-5612.

CAUTION: Extreme hot/cold temperatures in booth may cause valves to open.

Y-Strainers

Y-strainers should be blown out at the same time as scheduled testing of showers or monthly.

For technical support, contact:

Haws Services | (800) 766-5612 | www.hawsco.com/services

TROUBLESHOOTING

TROUBLE	REPAIR CHECKLIST
Space heater not on when temperature is below 70°F	a) Check thermostat setting.
(21°C):	b) Check heater fuses F2.
Uneven water flow to eyewash:	a) Eyewash must be level.
	b) Clogged flow control. Clean or replace flow control
	in eyewash head.
Insufficient water flow to eyewash or shower:	a) Check water supply dynamic pressure (30-90 PSI).
	b) Check and clean "Y" strainers.
	c) Check ball valves. Must be open and unclogged.
	d) Clogged flow control. Clean or replace flow control
	in either eyewash or shower.
Clear exterior light off:	a) Check LED.
	b) Check fuses PFU & CFU.
Exterior light does not flash, and alarm does not sound	a) Check flow switch or proximity switch actuation.
when shower or eyewash is activated:	b) Check flow switch or proximity switch wiring.
Exterior alarm does not flash, but alarm is sounding	a) Check LED.
when shower or eyewash is activated:	b) Check wiring to light.

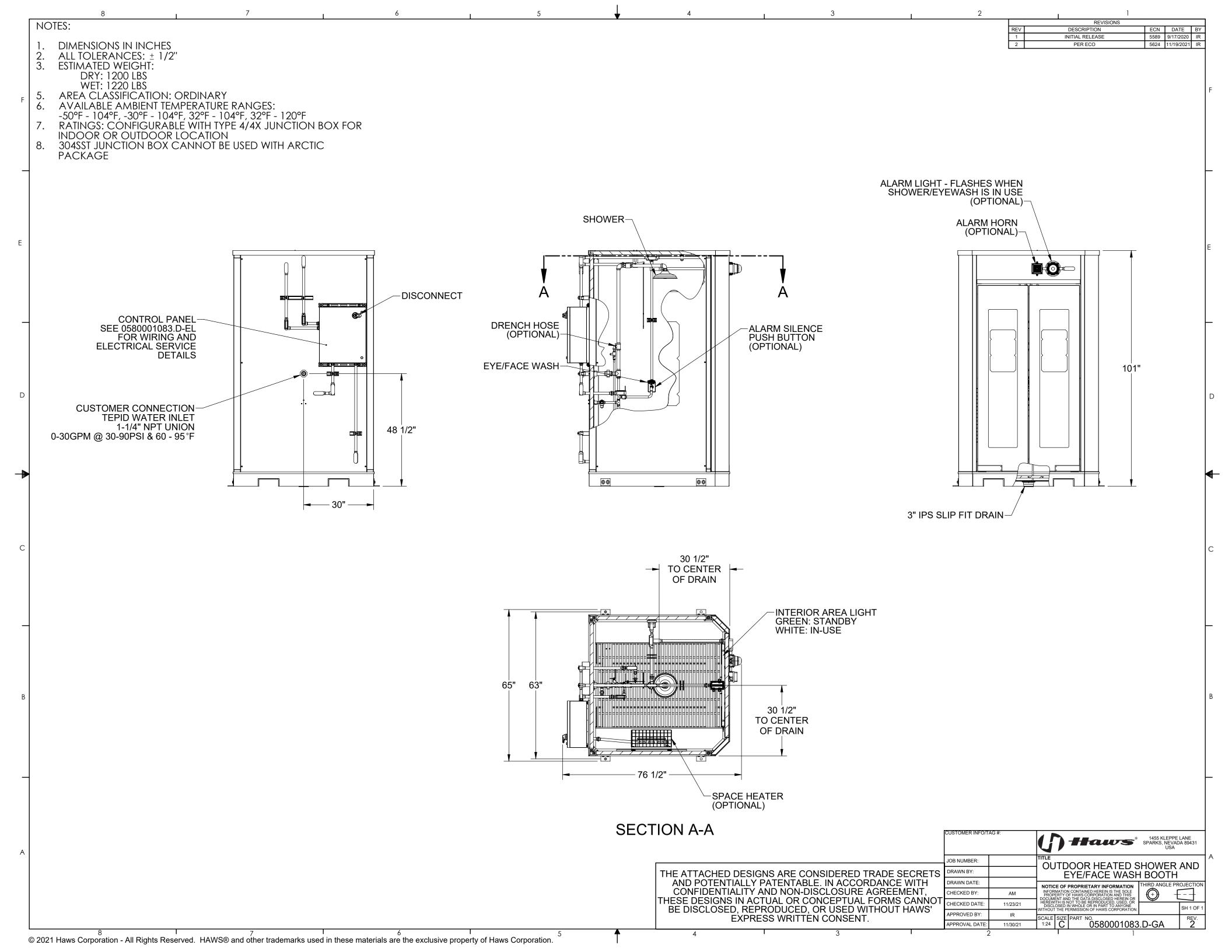
If there are any questions that cannot be answered here, please consult: Haws Services | (800) 766-5612 | www.hawsco.com/services

SPARE PARTS

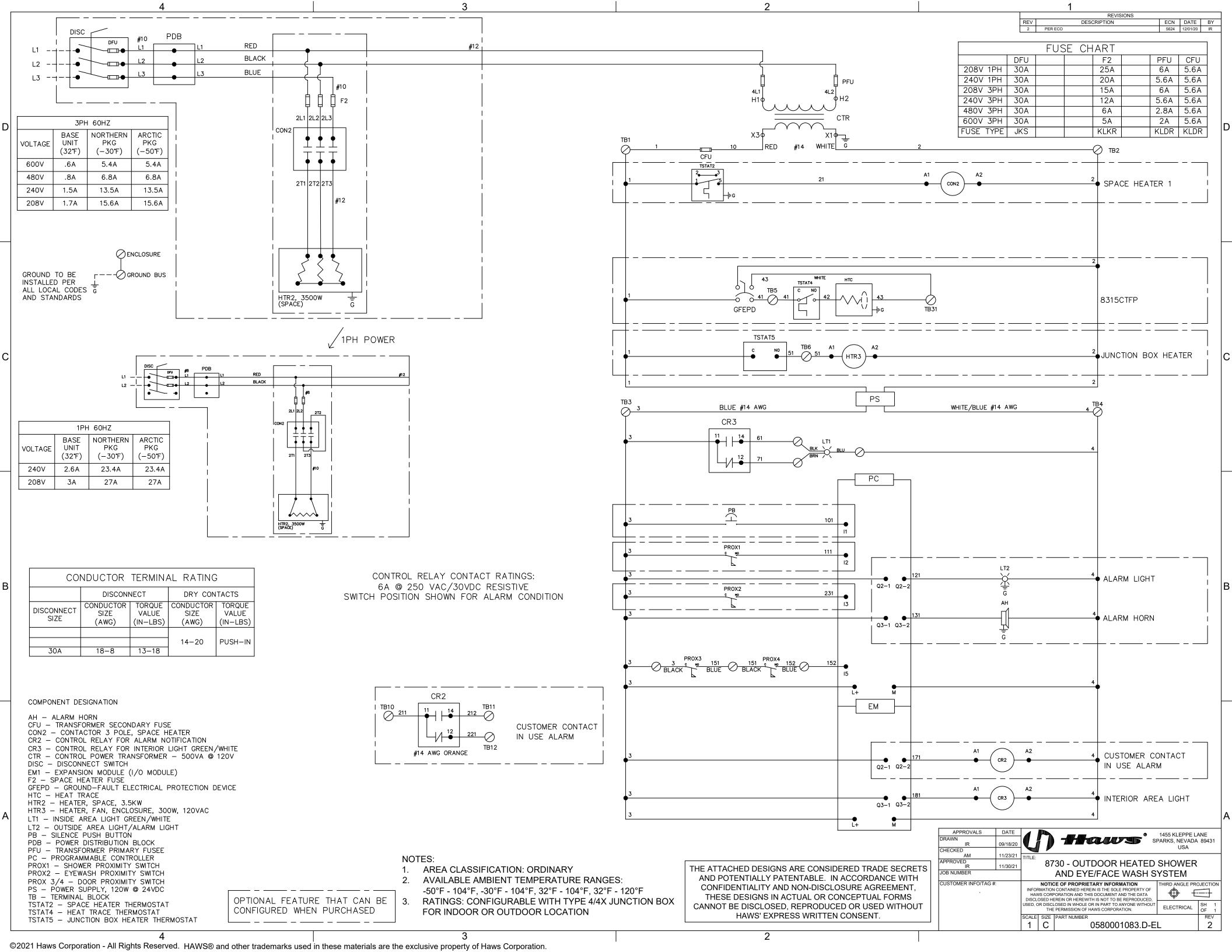
Please call Haws Services to order spare parts: 1-800-766-5612

DRAWINGS

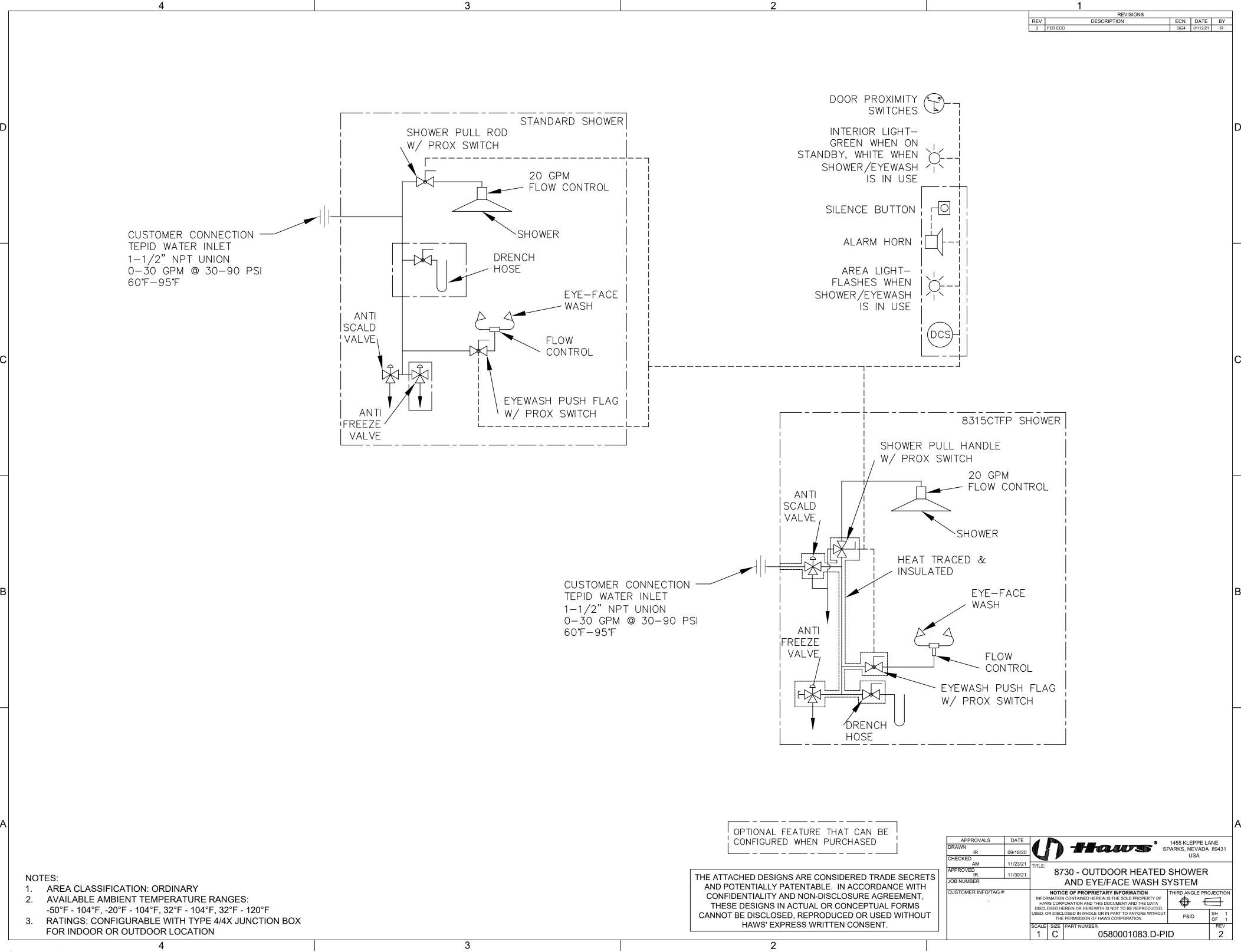
General Arrangement Drawing (0580001083.D-GA)



Electrical Schematic (0580001083.D-EL)



Piping and Instrumentation Diagram (0580001083.D-PID)



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LIMITED WARRANTY

HAWS warrants that this specific product is guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. HAWS liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS Factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first class workmanship, provided that claim is made in writing to Haws within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS will not be liable for the cost of repairs, alterations, or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that Haws has made no other warranties either expressed or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, or consequential damages claimed to arise under the contract of sale.

The emergency equipment manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended. This product is intended to supplement first-aid treatment. Due to widely varying conditions, Haws cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS

MODEL PLEASE CALL:

HAWS SERVICES: 1-800-766-5612

FOR CUSTOMER SERVICE: 1-888-640-4297

For more information on Haws products, see our website: www.hawsco.com

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