

model 8780

Indoor Emergency Water Tempering Skid

FEATURES & BENEFITS

QUALITY CONTROL

Fully assembled and tested for quick placement and hook-up.

STANDARDIZED PLATFORM

Offering a standardized line of water tempering solutions providing shorter lead times, advanced compliance, cost efficiencies, and customizable configuration options.

BLENDING SYSTEM

Safe, fully engineered thermostatic provides 78 gallons per minute with anti-scald protection and full-flow cold water bypass to provide tempered water in adverse situations.

TANK SYSTEM OPTIONS

Tanks available: 119 Gal non-ASME (450 L), 120 Gal (454 L) ASME, or 200 Gal (757 L) ASME that will Store enough hot water to provide a single 15 minute shower and eye/face wash use. Standard is a 318 Gal (1203 L) ASME or an available 400 Gal (1514 L) ASME that stores enough hot water to provide two 15 minute shower and eye/face wash uses before tank recovery is required.

EXPANDABLE/FLEXIBLE CAPABILITIES

System can be designed to a number of variations including the hot water supply, the electrical type, the blending capabilities. and pump options including VFD controlled pump.

ELECTRICAL SYSTEM OPTIONS

Haws provides systems at various voltage options, including 480V 3ph, 600V 3ph, 208V 1ph, 208V 3ph, 240V 1ph, and 240V 3ph. Electrical area rating option includes Type 4 Ordinary Location.

Optional equipment to accommodate virtually any specific need includes:

- Stainless steel valves and/or piping
- Temperature control packages including 4 or 10 kW immersion heaters
- Alarm package
- Recirculation pump with VFD, or booster / recirculation pump with VFD

For more information, visit www.hawsco.com or call (888) 640-4297.



SPECIFICATIONS

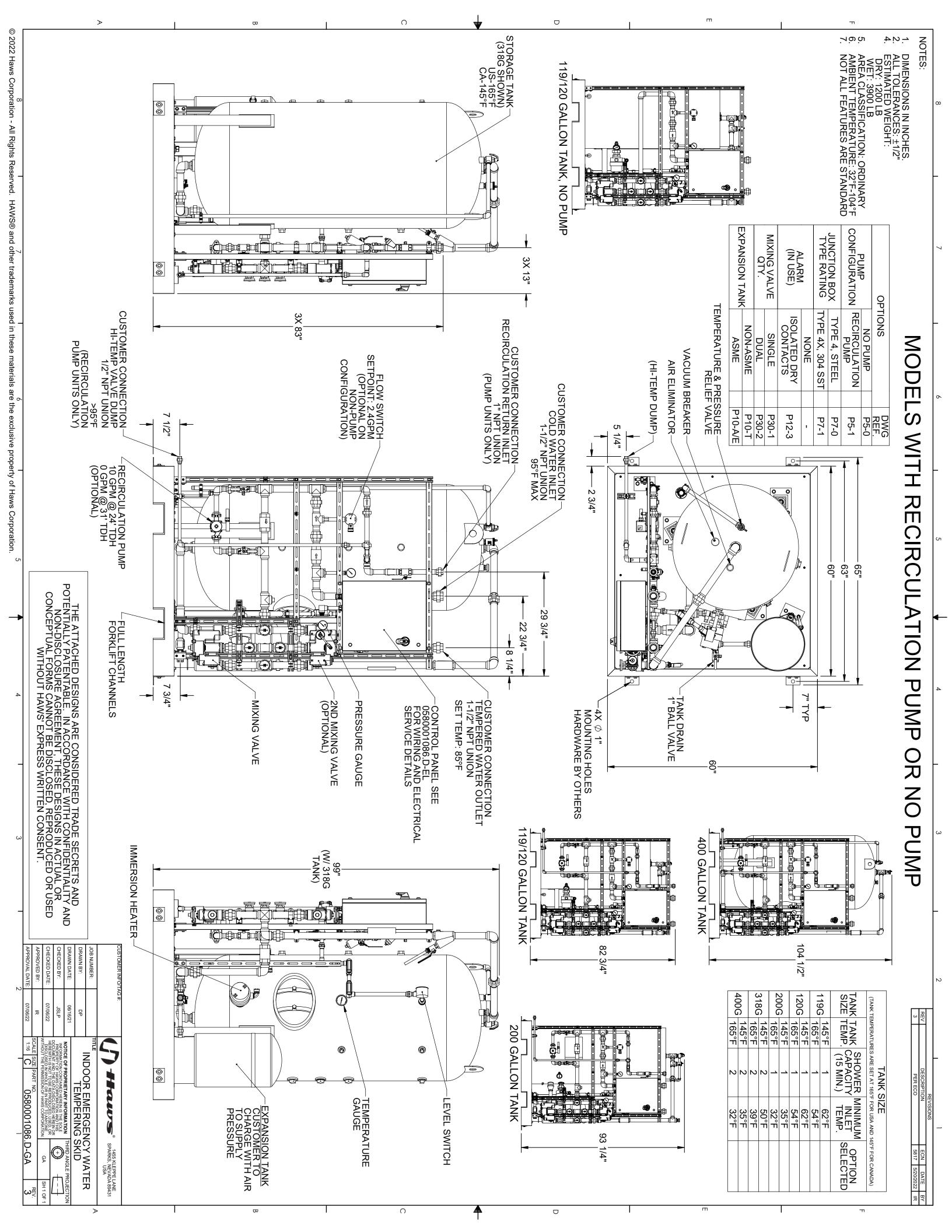
Model 8780 fully assembled skid-mounted tempering system shall include an aluminum 5' x 5' (1.5 x 1.5 m) frame with a composite equipment platform, with HYTEX Black chemical and UV resistant polyester based powder coating. This multiple shower eyewash feeder and provides an operating temperature range of 35° to 120° F (45.5° to 48.9° C), and is designed to operate with a number of tempering and electrical options. The tempered water blending system includes a 318 gallon ASME hot water tank, galvanized piping, and incorporate fail-safe features like protection and full flow cold water bypass. The electrical system is supplied with a TYPE4 enclosure, 480V three phase inlet, and the can be easily adapted to other voltages upon request. 1-1/2" tepid and cold water inlets.

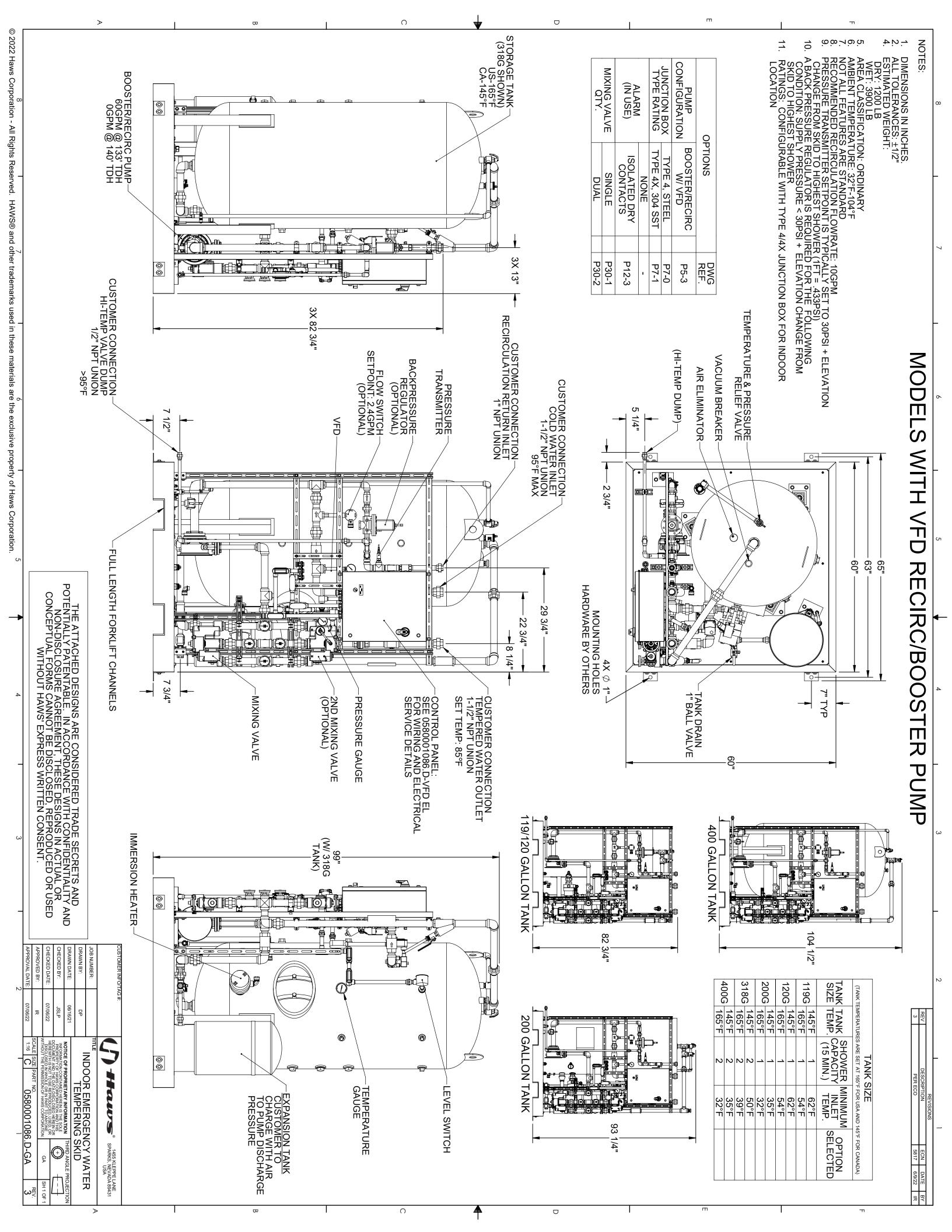
APPLICATIONS

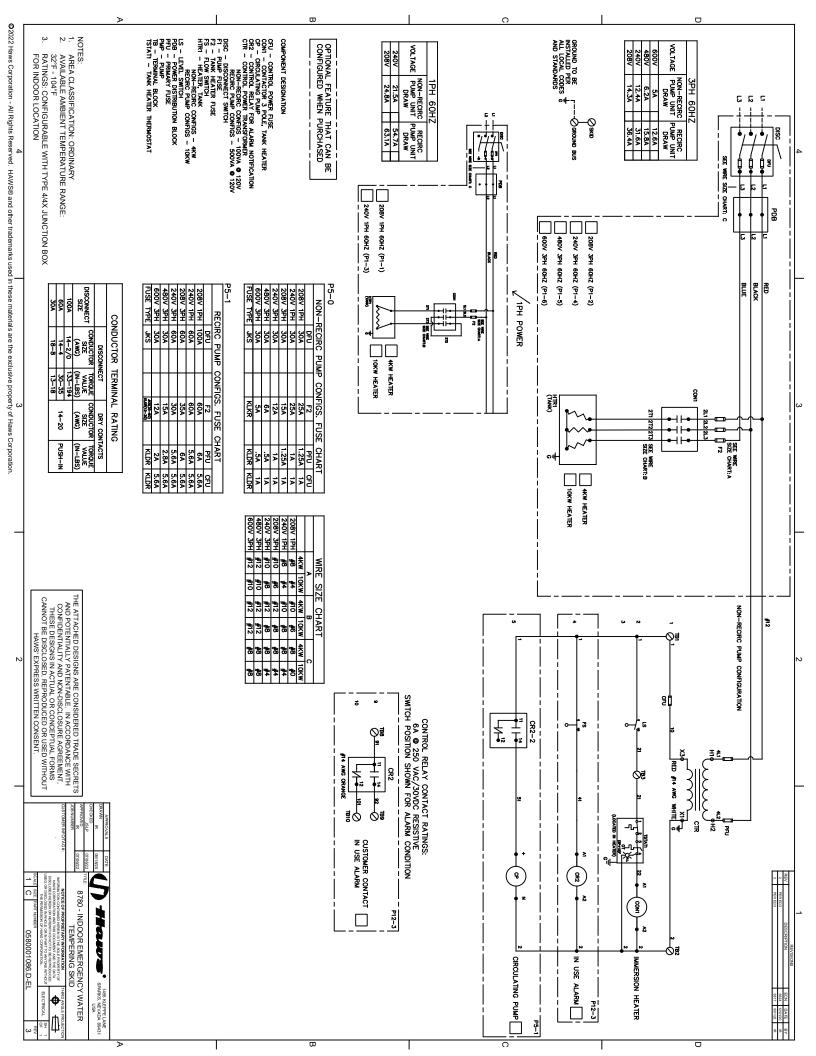
Perfect for indoor facilities that may encounter dangerous chemical hazards and need a complete tempering system, and/or need a feeder to other remote booth substations or other drench systems and/or eyewash stations. CSA Certified.

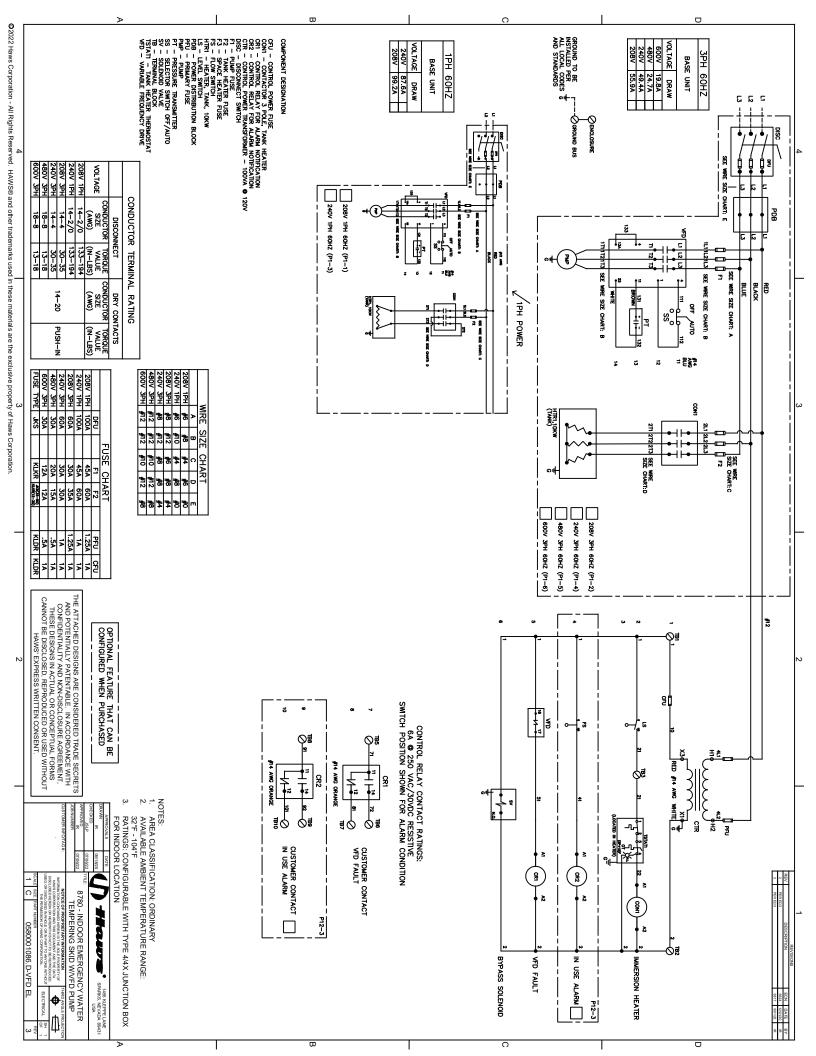


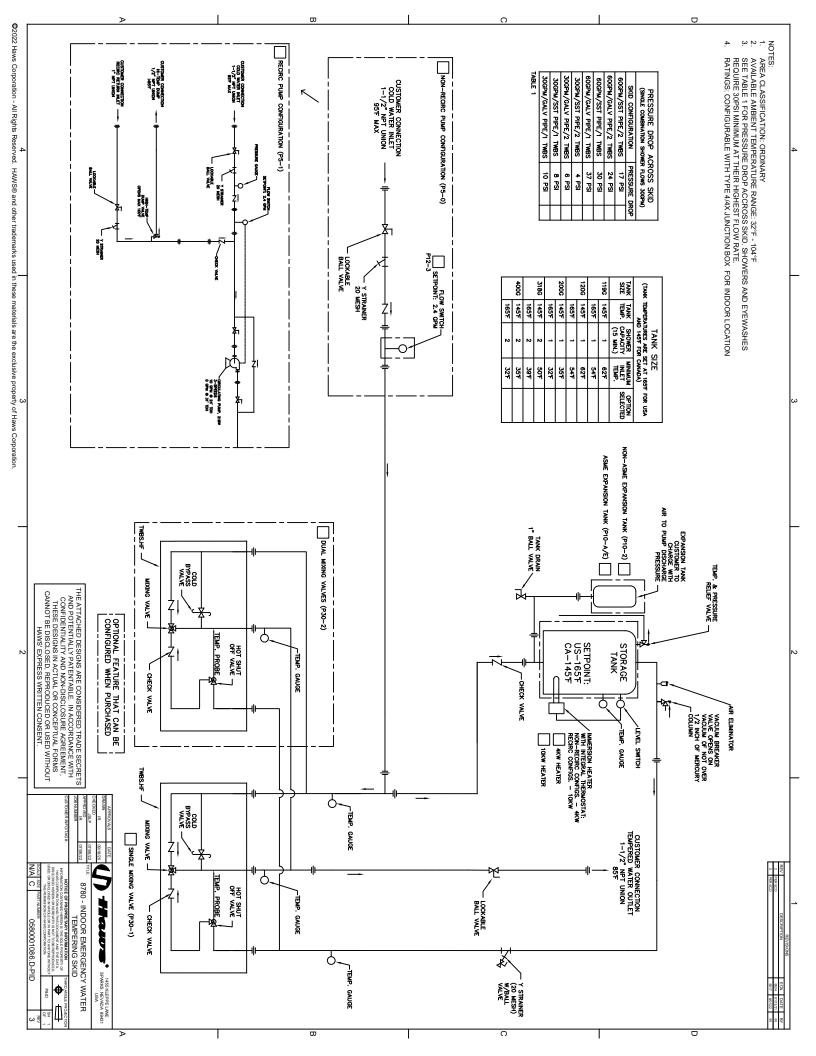


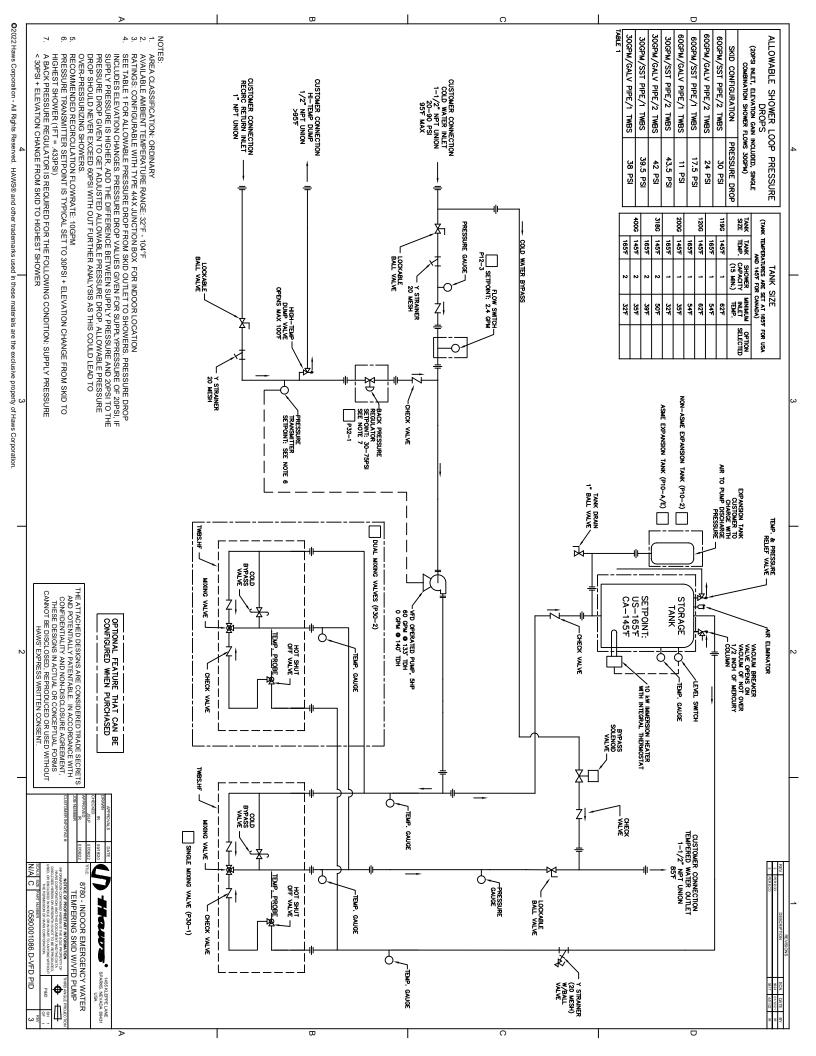












8780 PART NUMBER BREAKDOWN

PART NUMBER CONFIGURATION AND DRAWING REFERENCE GUIDELINE.

CTED 1

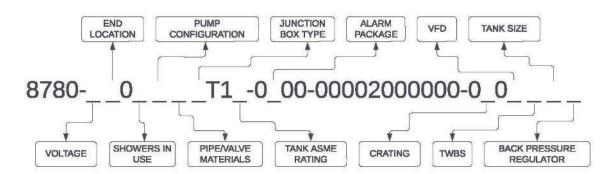
CONFIGURE PART NUMBER OR RETRIEVE PART NUMBER FROM EQUIPMENT. EXAMPLE PN: 8780-5U0D3B0T1T-0000-00002000000-0001141

STED 2

DETERMINE THE DRAWING SET THAT APPLIES TO THE CONFIGURED PART NUMBER, UNITS WITH NO PUMP OR JUST A RECIRCULATION PUMP USE DRAWINGS 0580001086.D-EL, 0580001086.D-PID AND 0580001086.D-GA. UNITS WITH A BOOSTER/RECIRCULATION PUMP AND A VFD USE DRAWINGS 0580001086.D-VFD EL, 0580001086.D-VFD PID AND 0580001086.D-VFD GA.

STEP 3:

USE THE TABLES BELOW TO DETERMINE WHICH SECTIONS OF THE DRAWINGS APPLY.



VOLTAGE	PN	DRAWING REFERENCE
208V 1PH 60HZ	1	P1-1
208V 3PH 60HZ	2	P1-2
240V 1PH 60HZ	3	P1-3
240V 3PH 60HZ	4	P1-4
480V 3PH 60HZ	5	P1-5
600V 3PH 60HZ	6	P1-6

END LOCATION	PN	DRAWING REFERENCE
UNITED STATES	U	P2-U
CANADA	S	P2-S

SHOWERS IN USE	PN	DRAWING REFERENCE
ONE (30GPM)	S	P4-S
TWO (60GPM)	D	P4-D

PUMP CONFIGURATION	PN	DRAWING REFERENCE
NO PUMP	0	0580001086.D-EL, P5-0 0580001086.D-PID, P5-0 0580001086.D-GA, P5-0
RECIRCULATION PUMP	1	0580001086.D-EL, P5-1 0580001086.D-PID, P5-1 0580001086.D-GA, P5-1
BOOSTER/RECIRC. PUMP (VFD INCLUDED)	3	0580001086.D-VFD EL, P5-3 0580001086.D-VFD PID, P5-3 0580001086.D-VFD GA, P5-3

PIPE AND VALVE MATERIALS	PN	DRAWING REFERENCE
GALVANIZED PIPE WITH BRASS VALVES AND STRAINERS	G	P6-G
304 SST PIPE WITH BRASS VALVES AND STRAINERS	В	P6-B
304 SST PIPE WITH STAINLESS STEEL VALVES AND STRAINERS	s	P6-S

2	UNCTION BOX TYPE	PN	DRAWING REFERENCE
	TYPE 4	0	P7-0
	TYPE 4X	1	P7-1

TANK ASME RATING	PN	DRAWING REFERENCE
NON-ASME EXPANSION TANK	Т	P10-T
ASME TANKS	Α	P10-A
ASME EXPANSION TANK ONLY	Е	P10-E

IN-USE ALARM PACKAGE	PN	DRAWING REFERENCE
NONE	0	3
FLOW SWITCH WITH ISOLATED ALARM DRY CONTACTS	3	P12-3

CRATING	PN
STANDARD	D
PREMIUM	1

VFD	PN	DRAWING REFERENCE
NONE	0	0580001086.D-EL 0580001086.D-PID
		0580001086.D-GA
INCLUDED BOOSTER/RECIRC.	1	0580001086.D-VFD EL 0580001086.D-VFD PID
PUMP ONLY)	I	0580001086.D-VFD GA

TWBS	PN	DRAWING REFERENCE
ONE	0	P30-1
TWO	1	P30-2

TANK SIZE (GAL)	PN	DRAWING REFERENCE
119	0	P31-0
120	1	P31-1
200	2	P31-2
318 (NON-VFD, 125PSI)	3	P31-3
318 (VFD, 150PSI)	4	P31-4
400 (NON-VFD, 125PSI)	5	P31-5
400 (VFD, 150PSI)	6	P31-6

BACKPRESSURE REGULATOR	PN	DRAWING REFERENCE
NONE	0	E
INCLUDED	1	P32-1