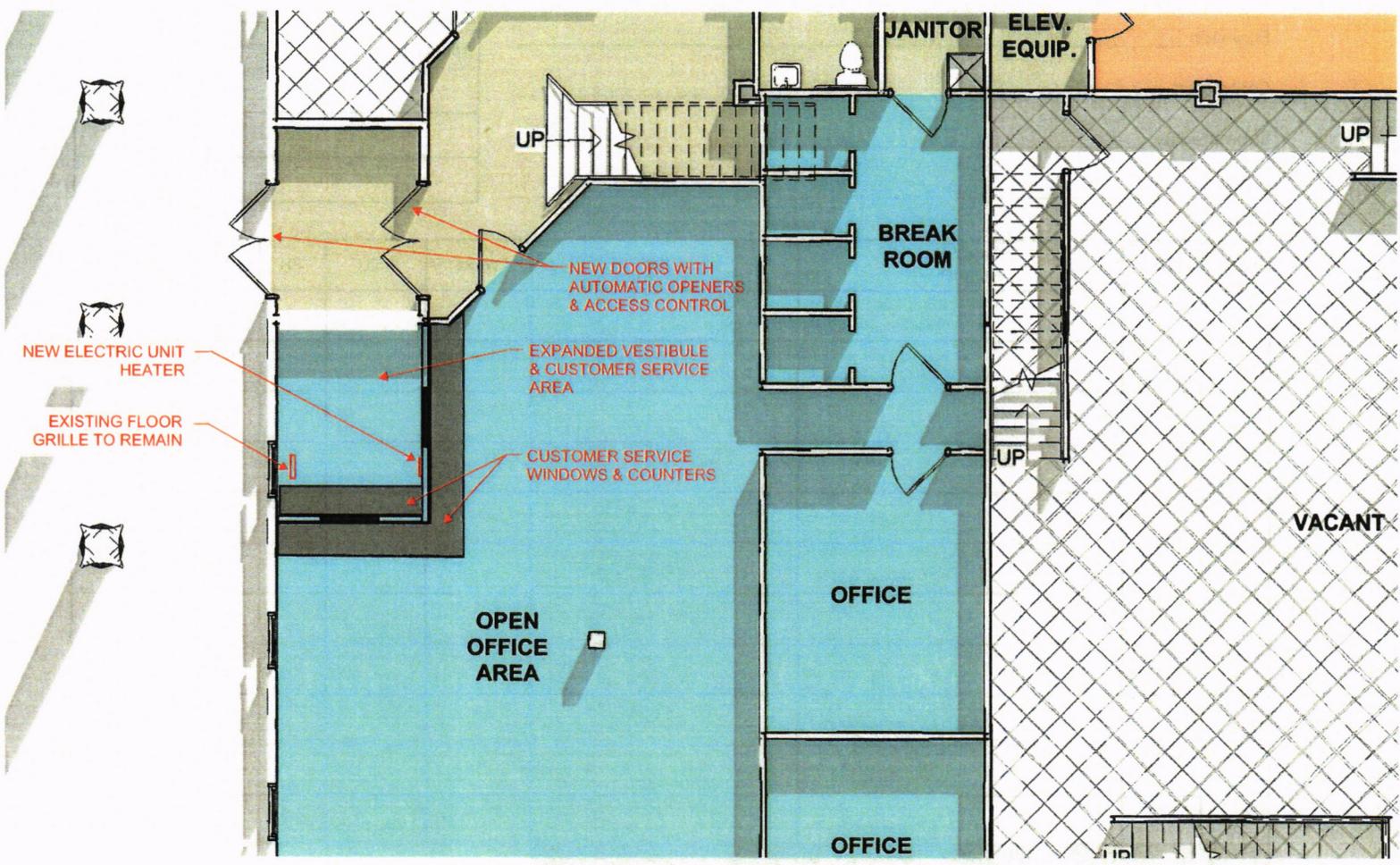


**PEQUOT LAKES - BUILDING ACCESS & SECURITY PROJECT**  
**WSN PROJECT #2020-10143**  
**LAST UPDATED**  
8/21/2020

PROJECT COSTS						
<b>CONSTRUCTION PROJECT</b>						
DIVISION	GENERAL REQUIREMENT	VENDOR	DESCRIPTION	QTY	COST PER UNIT	TOTAL
DIVISION 01	GENERAL REQUIREMENT		GENERAL REQUIREMENTS (TYPICALLY 15% OF CONSTRUCTION COSTS)	1	\$4,500.00	\$4,500.00
			BUILDING PERMITS	1	\$1,500.00	\$1,500.00
			EXISTING VESTIBULE INTERIOR WALLS AND ALUMINUM STOREFRONT DOOR DEMOLITION	1	\$2,500.00	\$2,500.00
DIVISION 02	SITE CONSTRUCTION					
DIVISION 03	CONCRETE					
DIVISION 04	MASONRY					
DIVISION 05	METALS					
DIVISION 06	WOOD AND PLASTICS					
			INTERIOR 2X6 WOOD STUDS, SOUND BATT INSULATION & GYP. BRD.	1	\$1,200.00	\$1,200.00
			NEW CUSTOMER SERVICE COUNTERS	1	\$1,500.00	\$1,500.00
DIVISION 07	THERMAL AND MOISTURE PROTECTION					
DIVISION 08	DOORS AND WINDOWS					
			ALUMINUM STOREFRONT ENTRANCE DOOR WITH AUTOMATIC DOOR OPENERS	2	\$5,500.00	\$11,000.00
			INTERIOR CUSTOMER SERVICE SLIDING WINDOWS	2	\$750.00	\$1,500.00
DIVISION 09	FINISHES					
			ACOUSTICAL CEILING TILE	240	\$5.00	\$1,200.00
			INTERIOR WALL PAINT	550	\$3.00	\$1,650.00
			CERAMIC TILE	350	\$8.00	\$2,800.00
			VINYL BASE	36	\$4.00	\$144.00
DIVISION 10	SPECIALTIES					
DIVISION 11	EQUIPMENT					
DIVISION 12	FURNISHINGS					
DIVISION 13	SPECIAL CONSTRUCTION					
DIVISION 14	CONVEYING SYSTEMS					
DIVISION 21	FIRE SUPPRESSION					
DIVISION 22-25	MECHANICAL	PIKES PLUMBING & HEATING	HVAC REPLACEMENT	1	\$0.00	\$0.00
DIVISION 26-28	ELECTRICAL		ADDITIONAL LIGHT FIXTURE FOR VESTIBULE	1	\$150.00	\$150.00
<b>CONSTRUCTION PROJECT</b>						<b>\$29,644.00</b>
					CONTINGENCY %	10%
					CONTINGENCY \$	\$2,964.40
					<b>TOTAL</b>	<b>\$32,608.40</b>
					S.F.	1,535
					COST/S.F.	\$21.24
<b>OWNER PROVIDED ITEMS</b>						
ITEM	VENDOR	DESCRIPTION	QTY	COST PER UNIT	TOTAL	
BUILDING SECURITY & ACCESS SYSTEM		IPS	1	\$0.00	\$0.00	
<b>TOTAL</b>						<b>\$0.00</b>
<b>WIDSETH DESIGN FEE</b>						<b>\$5,500.00</b>
<b>TOTAL PROJECT COST</b>						<b>\$38,108.40</b>
<b>PROJECT SCHEDULE</b>						
						<b>Dates</b>
DESIGN						8/1/2020
BIDDING						9/1/2020
CONSTRUCTION START						10/1/2020
SUBSTANTIAL COMPLETION						12/1/2020

CONSTRUCTION PAY APPLICATIONS		GROSS	RETAINAGE	NET
PAY APPLICATION #1		\$0.00	\$0.00	\$0.00
PAY APPLICATION #2		\$0.00	\$0.00	\$0.00
PAY APPLICATION #3		\$0.00	\$0.00	\$0.00
PAY APPLICATION #4		\$0.00	\$0.00	\$0.00
TOTAL		\$0.00	\$0.00	\$0.00
ORIGINAL CONTRACT				\$32,608.40
BALANCE TO FINISH				\$32,608.40
WIDSETH DESIGN PHASES	WIDSETH DESIGN FEE	EARNED	% COMPLETE	REMAINING
DESIGN DEVELOPMENT	\$550.00	\$0.00	0.00%	\$550.00
CONSTRUCTION DOCUMENTS	\$3,300.00	\$0.00	0.00%	\$3,300.00
CONSTRUCTION ADMINISTRATION	\$1,650.00	\$0.00	0.00%	\$1,650.00
TOTAL	\$5,500.00	\$0.00	0.00%	\$5,500.00





We recommend a 3000 watt heater. Model to be selected based on available voltage.

**SELECTION CHART**

CATALOG NUMBER	VOLTS	PHASE	AMPS	WATTS	BTU/HR.	WIRE SIZE
AWH3150F	120	1	12.5	1500	5120	12 AWG
AWH3180F	120	1	15	1800	6142	12 AWG
AWH4408F*	208	1	19.2	4000	13650	10 AWG
			9.6	2000	6825	
AWH4404F*	240	1	16.7	4000	13650	10 AWG & 12 AWG
			8.3	2000	6825	
	208	1	14.4	3000	10235	
			7.2	1500	5120	
AWH4407F*	277	1	14.4	4000	13650	12 AWG
			7.22	2000	6825	
	240	1	12.5	3000	10235	
			6.3	1500	5120	
AWH4307F	277	1	10.8	3000	10235	12 AWG
			5.4	1500	5120	
AWH4303F	347	1	8.6	3000	10235	14 AWG
AWH4508F	208	1	23.1	4800	16380	10 AWG
AWH4504F	240	1	20	4800	16380	10 AWG
	208	1	17.3	3600	12285	
AWH4507F	277	1	17.3	4800	16380	10 AWG
	240	1	15	3600	12285	
AWH4503F	347	1	13.8	4800	16380	12 AWG
AWH44083F	208	3	11.1	4000	13650	14 AWG
AWH45083F	208	3	13.3	4800	16380	12 AWG
AWH44043F	240	3	9.6	4000	13650	14 AWG
AWH45043F	240	3	11.6	4800	16380	14 AWG

CATALOG NUMBER	DESCRIPTION
AWHPE	Pneumatic/Electric switch. Factory set at 10 psig to "make" on pressure drop. May be field wired to "break" on pressure drop. Pressure set point adjustable to 30 psig. (Field installed.)
AWHR2 (24 volt) AWHR12 (120 volt)	Time delay relay 40-60 seconds to close when energized. Use 120V or 24V power supply from remote source (feld installed).
AWHS1	1" deep surface mounting frame for semi-recessed installation - Bronze
AWHS2	2" deep surface mounting frame for semi-recessed installation - Bronze
AWHSM	Surface mounting frame for surface installations. Painted to match heater decor, 3 13/16" deep - Bronze
LFKSFNCW	14 gauge security front cover, White

Standard finish is bronze. For White finish add W suffix to catalog number when ordering.

**ARCHITECT'S AND ENGINEER'S SPECIFICATIONS**

The heating equipment shall include electric, automatic fan forced air heater suitable for large area heating, as manufactured by QMark®, A Marley Engineered Products Brand, Bennettsville, SC. The heater shall be designed for wall recess or surface mounting. Heaters shall be UL listed or equivalent (ETL).

HEATER ASSEMBLY: The heater assembly which fits into the back box shall consist of a fan panel upon which is mounted all of the operational parts of the heater.

HEATING ELEMENT: The heating element shall be of the non-glowing design consisting of a special resistance wire enclosed in a steel sheath to which steel plate fins are copper brazed. It shall be warranted for 5 years.

FAN AND MOTOR: Fan shall be five-bladed aluminum. Fan motor shall be totally enclosed.

FAN DELAY SWITCH: Fan control shall be of bi-metallic, snap-action type and shall activate fan after heating element reaches operating temperature. The fan shall continue to operate after the thermostat is satisfied and until the heating element is cool.

THERMOSTAT: The tamper-proof thermostat shall be of the bi-metallic snap-action type with enclosed contacts. It shall be completely concealed behind the front cover to become tamper proof.

THERMAL CUTOUT: A manual-reset thermal cutout shall be built into the system to shut off the heater in the event of overheating.

POWER ON/OFF SWITCH: A double-pole, single throw ON/OFF switch shall be mounted on the back box for positive disconnect of power supply. It will be completely concealed behind the front grille panel.

PNEUMATIC/ELECTRIC SWITCH: An optional pneumatic/electric switch shall be available for use with energy management systems employing pneumatic pressure devices for controlling comfort levels and set-back operations.

LOW VOLTAGE RELAYS: 24-volt and 120 volt low voltage relays shall be available as optional equipment to control 208, 240 or 277 volt heaters in conjunction with central energy control systems. The built-in thermostat can then be used as one of the thermostats in an automatic night set back operation.

BACK BOX: The back box shall be designed for duty as a recessed rough-in box in either masonry or frame installations, and is also used with the surface mounting frame in surface mounting installations. The back box shall be 20-gauge galvanized steel and shall contain knockouts through which power leads are brought.

FRONT PANEL: The front panel shall be of the bar grille type and shall be constructed of 16-gauge cold-rolled steel, welded into a uniform grille to direct the warmed air toward the floor. The front grille shall be surrounded by a decorative satin-finish aluminum "picture" frame.

THREE PIECE DESIGN: The heater shall be made up of a back box, a heater assembly and a front panel.

\*QMark reserves the right to change specifications without prior notice.