





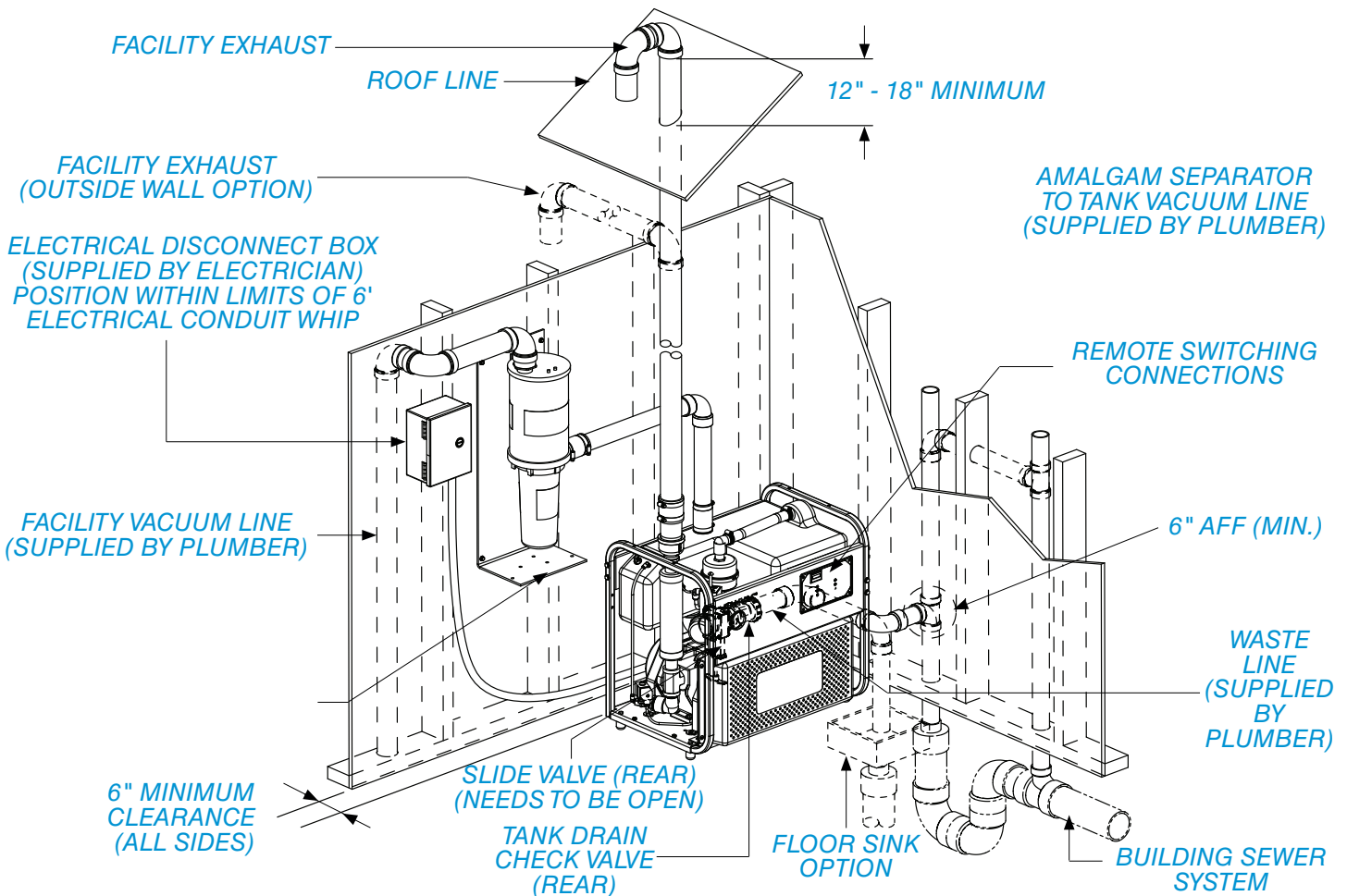
Doctor:	_____
Address:	_____
Phone No.:	_____
Dealer:	_____
Address:	_____

**NOTICE**

 This information is not intended to replace the information found in the **User Manual**. Refer to the **User Manual** for full installation, safety and precautions.

 **ATTENTION:** It is recommended that this equipment be installed by a licensed electrical/plumbing contractor only. **All installations must conform to local and national codes.**

## EQUIPMENT ROOM LAYOUT



## PLUMBING

### FACILITY EXHAUST LINES

- 2" schedule 80 CPVC, or metal (not tar coated) with DWV fittings or equivalent. (Option: 2" schedule 40 PVC or equivalent after first 10' of run).
- Run dedicated exhaust line for each Ramvac unit installed.
- Do not connect to plumbing vents.
- Lines must be installed to prevent condensation.
- Turn outside end down toward ground and screen to prevent entry of water, debris and creatures. Locate to prevent exhaust from entering building.

### FACILITY VACUUM LINES FROM OPERATORIES

- 1½" (or larger) schedule 40 PVC with DWV fittings or equivalent.
- Minimum slope 1/4" per 10'.

### AMALGAM SEPARATOR TO TANK VACUUM LINE

- 1½" schedule 40 PVC with DWV fittings or equivalent.
- Use new, clean pipe to connect tank to vacuum power unit and amalgam separator to tank vacuum line. DO NOT reuse old or existing pipe.

### TANK DRAIN LINE

Waste pipe, slide valve and drain check valve:

- 1½" schedule 40 PVC with DWV fittings.
- Minimum slope 1/4" per 10'.
- Use only Ramvac supplied 1½" drain check valve.
- Drain into building sewer system.

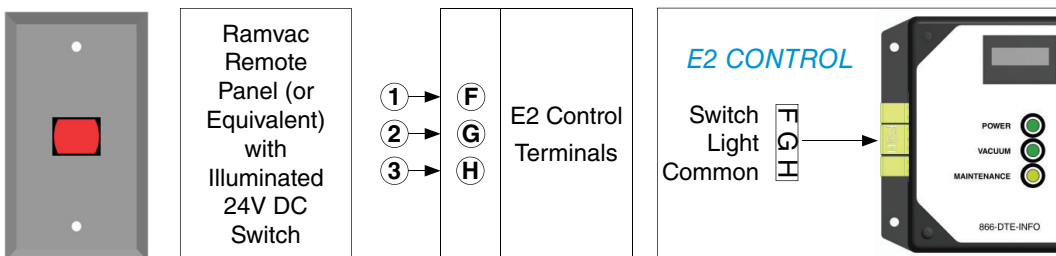
## PLACEMENT

- Equipment will release 900 BTU per hour into room. Ventilation required for room to remain between 40°F to 104°F (4.4°C to 40°C). Additional forced air and HVAC must be used if ambient temperatures do not fall into this range.
- Protect from water; controls and motor are NOT waterproof.
- Allow 6" minimum clearance on all sides for all units.
- If unit is placed in an area adjacent to office space, sound eliminating techniques should be considered for the unit.

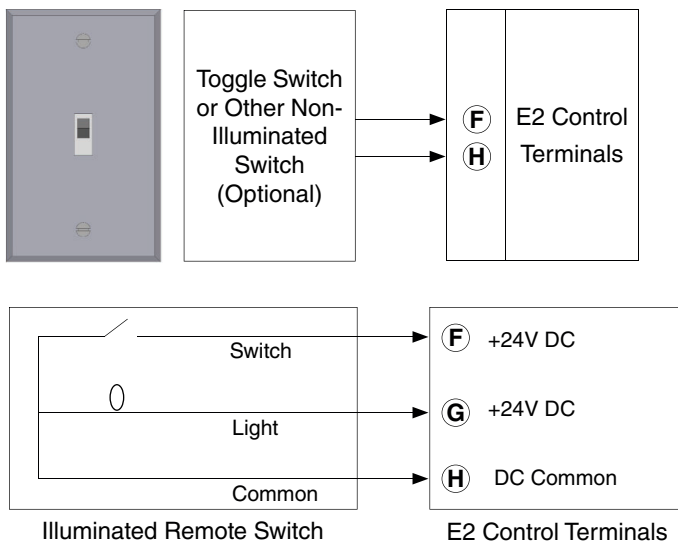
## ELECTRICAL

### LOW-VOLTAGE ELECTRICAL SWITCHING

- Low-voltage switching only.
- 18-3 low-voltage wiring for lighted switch.
- 18-2 low-voltage wiring for non-lighted switch.
- Maximum wire length for low-voltage, 18-gauge wire is 500 feet.



### LOW-VOLTAGE REMOTE SWITCHING (ALTERNATIVE)



## SPECIFICATIONS & SITE REQUIREMENTS

### BADGER LF2

Max Users	4
Phase	1
Horsepower (kW)	1.5 (1.2)
Voltage Rating (Min/Max)	230 (208/230)
Frequency (Hz)	60
Breaker Rating Size (Amps)	15
Full Load Amps	6.2
Switching (Low Voltage VDC)	24
Vacuum Level (Preset kPa/Hg)	23.7 (7")
Vacuum Level (Max kPa/Hg)	50.8 (15")
Fusetron Size (Recommended)	FRN 8
THHN Wire Size (AWG)	12
Gauge Accuracy	ASME/ANSI B40.1 Grade B (+/-3/2/3%)
HR (Heat Released to Room) (BTU)	900
Sound Levels (dBA)	74
Weight (lbs)	175
Tank Capacity (Gallons/Liters)	5 (18.9)
Operating Temperature (Min/Max)	40°F / 104°F (4.4°C to 40°C)
Storage Temperature	0°F to 150°F (-17.8°C to 65.6°C)
Relative Humidity Range (Transport/Storage/Operation)	0-95%, No Condensing Moisture
Altitude (Operation)	70-150 kPa (Sea Level to 9,000 Ft)
Altitude (Transport/Storage)	50-105 kPa (Equates to 18,000-1,000 Ft Elevation Range)

## PRODUCT DIMENSIONS

### BADGER LF2

Nominal Width	24.7" (627 mm)
Nominal Depth	18" (457 mm)
Nominal Height	23.25" (591 mm)
Drain Valve Centerline to Floor	7.75"- (197 mm)

ETL CLASSIFIED



Intertek  
4007136

Conforms to:  
ANSI/AAMI STD ES60601  
Certified to:  
CAN/CSA STD C22.2 NO. 60601-1

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