

## Custom ERU with an Energy Recovery Wheel, Chilled Water & Hot Water Coils

### MARKET: Public Library

This XeteX custom energy recovery unit elevates the indoor climate comfort, air quality, and energy efficiency of a 21,210-square-foot public library. Equipped with an energy recovery wheel, electric heater, chilled water and hot water coils, and top-notch filtration, it also utilizes a bipolar ionization system.

### CONSTRUCTION

- Outdoor unit with thermal break construction
- 2" double-panel casing with injected foam (R-14) insulation  
16ga galvaneal outer casing with acrylic paint; 16ga galvanized inner casing
- Welded 6" structural steel base frame with lifting lugs with acrylic paint
- 304 stainless steel drain pan
- **16ga galvanized floor with 2" injected foam (R-value 6.9/in) insulation plus 4" Isofoam in the base frame**

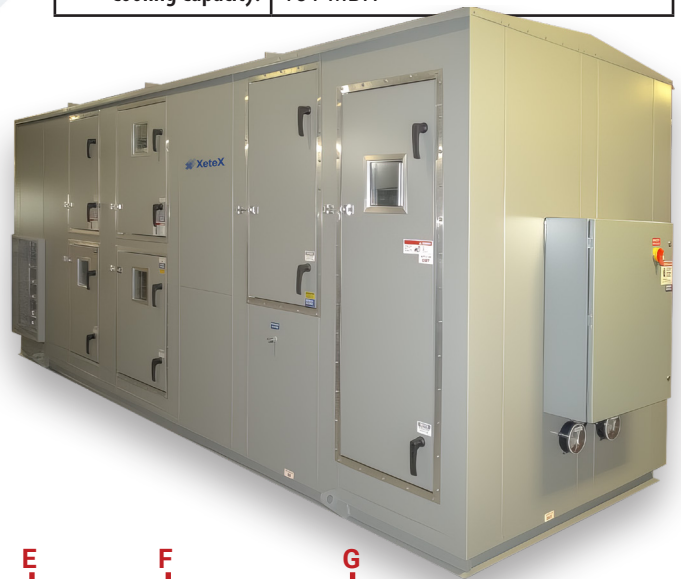
### OTHER FEATURES

- Plumbing and electrical chase with internal pipe routing
- Motor removal rails provided in SA and EA fan sections
- Bipolar ionization system in SA plenum

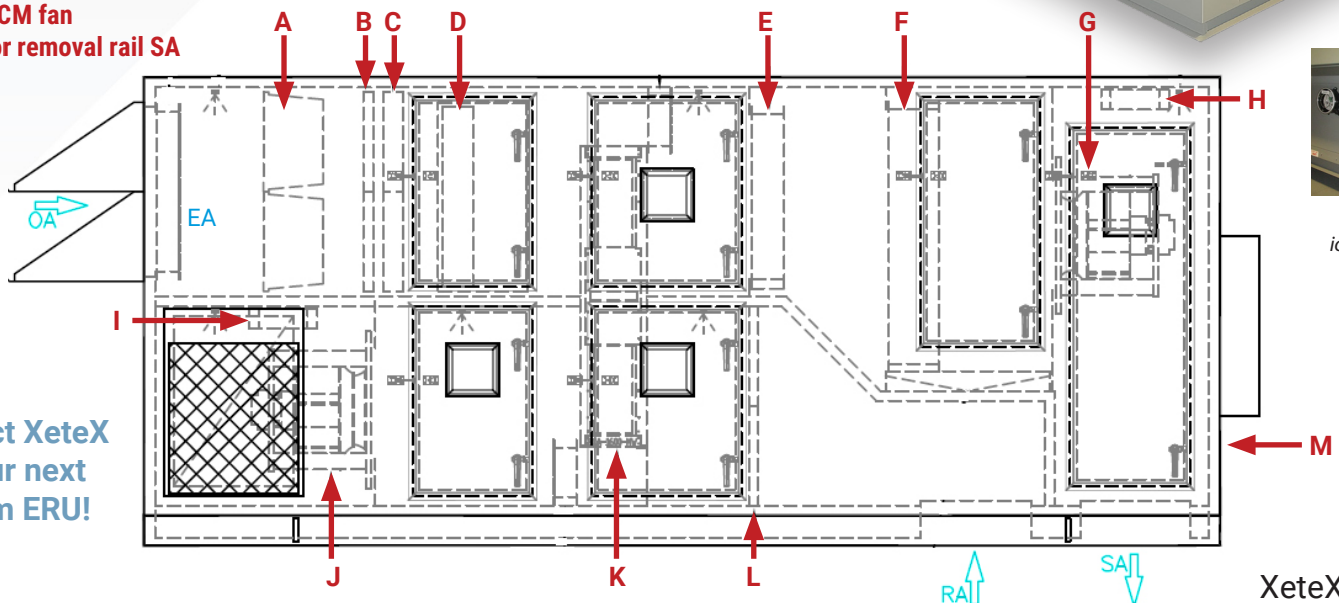
### COMPONENTS

- A. Carbon filter
- B. 2" MERV 8 OA filter
- C. 4" MERV 13 SA filter
- D. Electric heater in SA
- E. Hot water coil with SS casing
- F. Chilled water cooling coil with SS casing
- G. SA ECM fan
- H. Motor removal rail SA
- I. Motor removal rail EA
- J. EA ECM fan
- K. 3Å molecular sieve desiccant wheel (8" deep) with low cross-contaminating seal system with a purge sector
- L. 2" MERV 8 RA filter
- M. Bipolar ionization system

Model:	AHR-1600-RT-CW-HW-HE-FF
Dimensions:	94"H x 72"W x 216"L
Weight:	8,600 LBS
Supply CFM:	6,000 CFM
Energy Recovery:	Enthalpy Wheel
Energy Effectiveness:	70% Winter / 69% Summer
Heating Type:	Electric Heater / Hot Water Coil
Heating Capacity:	34.3 KW (Electric); 144 MBH (HW)
Cooling Type:	Chilled Water Coil
Cooling Capacity:	131 MBH



Bipolar ionization system



Contact XeteX for your next Custom ERU!

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