

MAR CRAFT
CUSTOM HVAC SYSTEMS

CASE STUDY

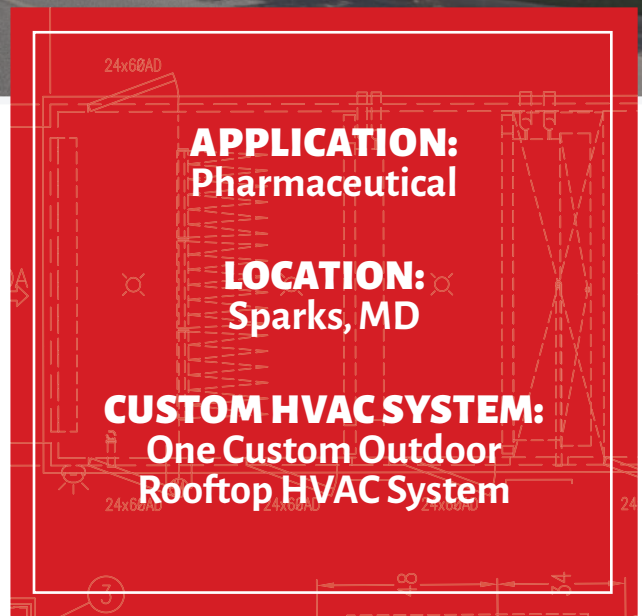
BECTON DICKINSON MEDICAL TECHNOLOGY COMPANY

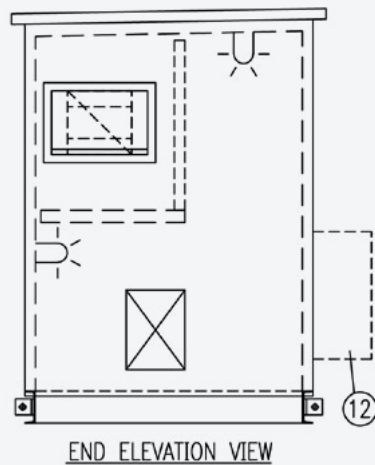
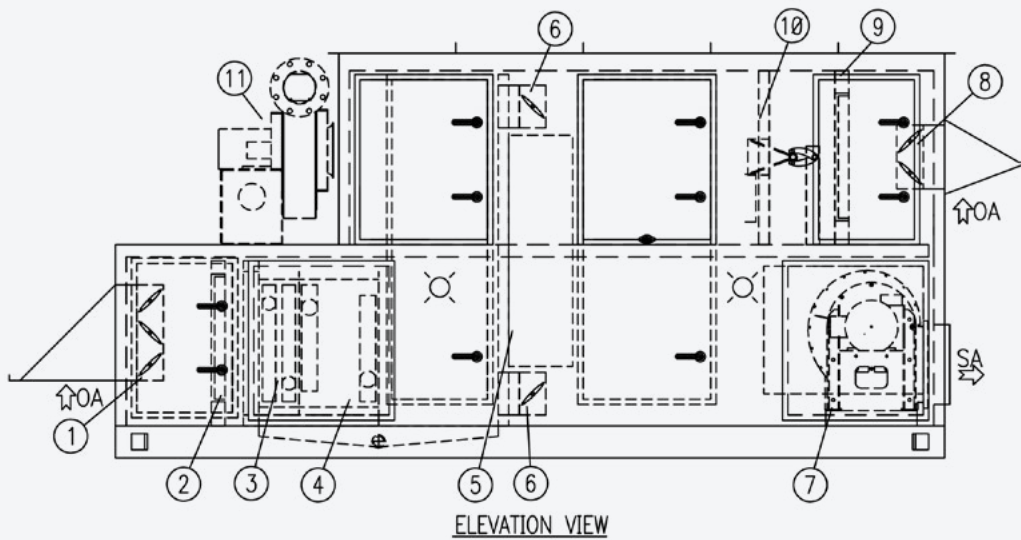
MAR CRAFT TOTAL SOLUTION

Becton Dickinson's HVAC project required a leaving air temperature of 90°F at 8grains/lb of moisture. MarCraft used a rotary desiccant dehumidification wheel with bypass to achieve these leaving air conditions. Marcraft also offered factory mounting and wiring of third party controls.

CUSTOMER

- Becton Dickinson manufactures medical instruments and devices.
- The company provides innovative solutions that help advance medical research.





1. OA Damper w/ Hood
2. OA Filter Bank
3. Heating Coil Bank
4. Cooling Coil Bank
5. Rotary Desiccant Wheel
6. Bypass Damper
7. Supply Fan Assembly
8. Regen Inlet Damper w/ Hood
9. OA Filter Bank
10. Direct Fired Gas Heater
11. Regen Fan
12. Control Panel

NOTABLE FEATURES

- ETL listed & labeled
- Interior suitable for wipe-down/wash-down
- Thermal break construction
- Casing air leakage tested/limited to 1% of design CFM at 1.25 times the design TSP
- Unit shipped as 1-piece for ease of installation
- All dampers with stainless steel frames and blades
- 275F degree rise direct fired gas heater
- 4" foam insulation in roof/walls

UNIT MATERIALS

- 6" Aluminum Base Frame
- 18 ga Painted Steel Exterior
- 304 Stainless Steel Interior

SPECIFICATIONS

- One - Outdoor Rooftop HVAC System
- 2,500 CFM Desiccant Dehumidification Unit