

# *SRP PROJECT of the MONTH*

## *CHRISTOPHER NEWPORT UNIVERSITY FIELDHOUSE*

Christopher Newport University located in Newport News, Va., recently completed a new 112,000 square foot Sports, Wellness, and Convocation Center. The “Freeman Center” contains a 2500 seat basketball arena, a 200 meter indoor track, and three fitness areas. At the heart of the HVAC system is a 872 ton-hour ice storage system with three partially buried storage tanks served by two 90 ton water cooled screw chillers. Two 3500 MBH Flex tube Boilers provide Heating to the nine air handling systems. A Direct Digital Control System operates all of the equipment. A 2500 amp, 480 volt electric service was installed to feed the center. The domestic water system contains a 5 HP duplex pressure booster system. The facility is fully sprinkled.



SIMMONS ROCKECHARLIE & PRINCE INC.  
8416 Glazebrook Ave.  
Richmond, Virginia 23228

Phone: 804-262-7323  
Fax: 804-262-0021  
WWW.SRPENG.COM

**SRP**  
**Consulting Mechanical &  
Electrical Engineers**