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## **C1Or3B-02: End Station Refrigerator 2 Cryoplant at JLAB**

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End station refrigerator 2 cryoplant is needed to provide cryogens to three of the four experimental halls to support 12 GeV experimental demand and in particular to the near-future MOLLER experiment at Jefferson Lab. End station refrigerator 2 cryoplant consists of 4.0 kW at 4.5 Kelvin cold box and two-stage compressor systems, which are received from the Superconducting Super Collider (SSC) project and refurbished to meet the operating needs. End station refrigerator 2 cryoplant also consists of new 50+ m long cold transfer line, bayonet CAN, utility system and control system. The paper will describe the fabrication progress, challenges faced and mitigation adopted for the cryoplant including future workplan.

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