

## SPECIFICATION

The contractor shall remove the glycol solution and dispose of it according to EPA regulations.

The contractor shall disconnect, remove and dispose of the two existing 30-ton glycol cooled units located at NRL, Bldg A49, Room 108B.

The contractor shall disconnect and remove the two existing dry-coolers and pumps associated with the 30-ton units mentioned above and place them in an adjacent space. NRL R&D Services will relocate them to storage as NRL will retain these two dry-coolers and associated pumps for possible future use within the base.

The contractor shall furnish and install two new Liebert chilled water units as follows: **Two (2) Liebert CW114DCSA3, 460 Volts, 60Hz, 3 Phase Precision Cooling Systems**. The units must have the following features and characteristics to meet our minimum needs:

Nominal 114 kw Chilled Water System  
366,000 MBH at 75°F (24°C)  
45% RH with a 10°F water temperature rise  
Insulated Chilled Water Piping  
3 Way Modulating Control Valve  
iCOM control with Small Display  
Display Language in English - Audible and Visual Alarms  
Premium Efficiency Motor (10 HP)  
STD. - 12,100 CFM  
Electric Reheat  
Infrared Humidifier  
Non-Locking Disconnect Switch  
Minimum of (4) Local Alarms (one needs to signal water under floor alert)  
Smoke Sensor with unit alarm; immediate shutdown of airflow and computers  
Dual Float Condensate Pump Dual Float  
MERV7 Filter Package  
iCOM Service Bracket  
Floorstand  
Turning Vanes  
Intellislot Web Card  
Main Fan Overload Alarm  
Qty-1 LT460-Z30, Zone Leak Detection Kit w/30 Foot Cable  
Main Color: IBM Charcoal (Z-0420); Accent Color: IBM Charcoal (Z-0420)

The contractor shall furnish and install two wet taps in the existing chilled water piping at the existing chiller located on the East side of Bldg A49 at NRL.  
Scheduled outage(s) need to be coordinated with NRL.

The contractor shall furnish and install new 4" chilled water mains from the wet taps to the new chilled water units located at NRL, Bldg A49, Room 108B. The total run selected shall not to exceed 150'.

The contractor shall furnish and install new fiberglass insulation on the new chilled water lines.

The contractor shall reconnect the existing condensate (drain) and water (humidity) lines to the new units procured under this order.

The contractor shall reconnect the existing power wiring to the new units.

The contractor shall modify the raised floor to accommodate the new units.

The contractor shall check, test, and provide start-up services for all units associated with this order.

The contractor shall provide a one-year parts and labor warranty on the new units.

The contractor shall perform all work during normal working hours.