



The chemical treatment shall be in bags, drums, and proper size buckets to each disposable plastic water bottle 21 oz. or the bottom and. The aliquettes shall be placed in bags to provide correct amounts of polyphosphates, sulfuric acid, phosphate-citronate, other additives, and alginate to properly control the water. Water samples or analysis shall be provided to supplier of feeder in order to determine proper sequence of chemical control. The chemical control bottles and chemical control refill bottles shall be "Chem-Lector" or equal.

All steel parts to be hot dipped galvanized after fabrication.

Access doors shall be provided on both end walls for access to eliminator plenum. A 12 gauge wire mesh angle reinforcing can guard shall be provided over fan cylinder.

**PAIR DRAINS**  
Provide 1½" galvanized drains from all supply units with cooling coils. Pipe drains to nearest floor or funnel drain. Insulate as described in specification. Provide each drain with a 3" clean trap.

CONTROLS

1. Chiller

1. Chiller Heating Contractor to provide McDonnell Miller flow switches in the chilled water and condenser water piping. Heating Contractor to wire these flow switches such that Chiller cannot start unless flow is sensed in both of these piping circuits.

2. Cooling Tower: Heating Contractor to provide McDonnell Miller flow switch in condenser water piping to tower and wire such that cooling tower fan cannot operate unless flow is sensed. Heating Contractor to provide an alarm in the piping leaving the tower which will cycle the cooling tower fan to maintain 55°F. water.

Summer-winter switch to be provided which will enable unit ventilators to operate on minimum outside air with new summer-winter room thermostat regulating the coil face and bypass dampers to maintain room conditions. In winter setting, unit ventilators to operate as described in specification.

In summer position (above 70°F.) outside air damper, recirculation damper and exhaust damper to reposition such that only minimum outside air is used.

## COILED AND CONDENSER WATER PIPING

INSULATION

THERMOMETERS

[illegible]

Provide pressure gauges as described in specification in the following locations:  
 Chilled Water Inlet and Outlet of Chiller, Condenser Water Pump  
 Inlet and Outlet

100

## Conclusion

CHILLER

Heating Contractor to provide chiller with capacity of 300 tons when supplied with 900 CFM of air at 55°F and cooling 735 GPM of chilled water to 44°F. from 53.8.

Heating Contractor to provide chiller with capacity of 300 tons when supplied with 900 GPM of condenser water at 85°F. and cooling 735 GPM of chilled water to 44°F. from 53.8.

Unit shall be a factory assembled package, and shall be of the hermetically sealed type with no more than 3600 rpm. Each unit shall be driven by a squirrel cage type liquid refrigerant cooled motor rated at 757 amperes running current when the motor is at 460 volts, 60 hertz, 3 phase, 3 wire, 3000 rpm. Motor to have a locked rotor current of 3110 amperes.

Unit shall be provided with a capacity control system consisting of automatically controlled variable inlet vanes at the entrance of each impeller and shall provide continuously variable capacity from 10 to 100% output. This control system shall include automatic stopping when load falls below 10% and automatic restarting. Unit shall be equipped with an instrument

Teating Contractor shall furnish and install all necessary auxiliary water piping for the oil cooling coil and purge condenser. Set unit on a flat and level suitably reinforced concrete base. All electrical connections shall be made to the electrical service panel located in the building.

Chiller as manufactured by Trane, Chrysler or Carrier.

RECEIVED 2-4-46

1. A line graph showing the number of people who have been vaccinated against COVID-19 in the United States from January 2020 to January 2022. The x-axis represents time in months, and the y-axis represents the number of people vaccinated in millions. The graph shows a steady increase in vaccinations over time, with a significant jump in early 2021.

ALTHOUGH CHANGES TO EXISTING SUPPLY UNITS ARE UNDER CONSIDERATION, TOTAL TONNAGE SHOULD REMAIN THE SAME. WE HAVE USED SUPPLY UNITS AS NOW SHOWN, IF OTHER SUPPLY UNIT IS ADDED, ADDITIONAL CONTROLS, ETC., MAY BE REQUIRED TO ADAPT IT TO THE COOLING CYCLE.

[illegible]

COOLING  
ADDITION

MECHANICAL

Diagram illustrating the cross-section of a beam with a rectangular hole. The total height is labeled  $A$ , the height of the hole is labeled  $B$ , and the height of the remaining material is labeled  $C$ .

### KEY PLAN