



Utility Distribution System Product

Provide Accurex Model FlexConnect UDS as shown on plans and in accordance with the following specification:

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Construction

The FlexConnect Utility Distribution System (UDS) shall be island/wall type. Service risers and horizontal raceway with removable access panels to be constructed of 16 ga. type 300 series stainless steel. The service risers will be able to accommodate both electrical and plumbing. The horizontal raceway will be divided into separate compartments for plumbing and electrical. Flanged foot pedestals are provided at each field joint on the horizontal chase.

Plumbing

All plumbing will have a single point connection in the plumbing riser piped from the ceiling by plumbing contractor.

The horizontal plumbing compartment is to include manifolds for gas, hot water, and cold water. The 2 inch single gas manifold (looped gas optional) will include welded thread-o-let connections. The gas connections are spaced 12 inches apart and are alternately sized as 0.75 inch and 1.25 inch every other connection. Provide main quarter turn ball valve shut off and electrical solenoid gas valve for fire shutdown. A manual gas reset with gas on indicator, alarm, and emergency push button shut down to be provided for gas valve control. Also include ball valves and hoses for connections to cooking equipment. All unused gas drops will be capped below the chase, ready for easy connection to any cooking appliance.

The 1 inch hot and cold water manifolds will include 0.75 inch plumbing drops every 24 inches along the horizontal raceway. All water piping to be insulated and labeled. Each water manifold will be provided with main quarter turn ball valve shut offs and pressure gauges. Provide ball valves and hoses for all appliance connections where required. All unused plumbing drops are capped below the chase, ready for easy connection to any cooking appliance.

Provide filtered water, if required rated for up to 5 gallons per minute, in the plumbing riser with manifold piping provided to appliances requiring filtered water. Supply ball valves and hoses for all applicable connections.

Electrical

Electrical compartment shall be completely enclosed and separated from the plumbing compartment. Provide 120/208 3 phase panel board style electrical service with all breakers end mounted, located behind a dead front with hinged door access. Main breaker to be 225 amp with shunt trip or 20% over calculated load. (Optional- a second electrical service can be provided for 480/3 power.) Provide status indicating lights for each individual circuit breaker connection end mounted in riser. All receptacles shall be mounted on removable plates on 12" centers beneath the horizontal chase. Provide plug/cord sets to match electrical connections unless hard wired. The unit will have light and fan toggle control switches located on the end of the electrical service riser and a covered 120/1ph. 20 Amp convenience outlet on both service riser ends. All 120 volt 20 amp connections shall be duplex GFCI to meet code. Weatherproof covers to be supplied for all electrical connections.

Due to continuous research Accurex reserves the right to change specifications without notice.