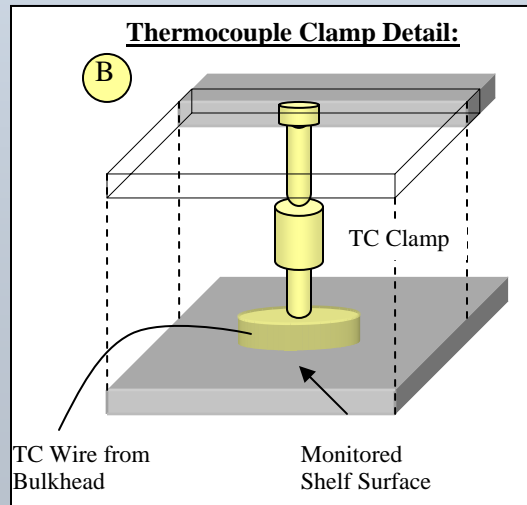
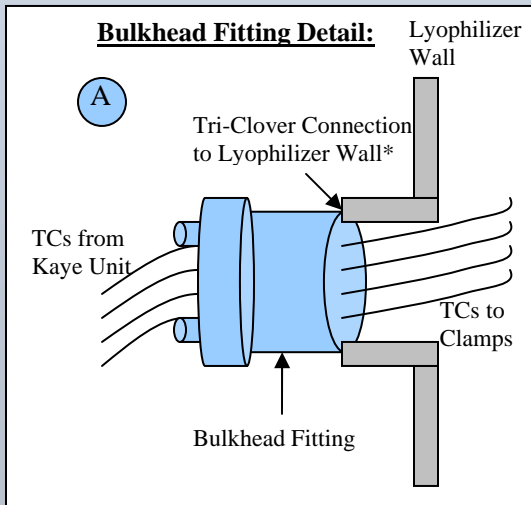
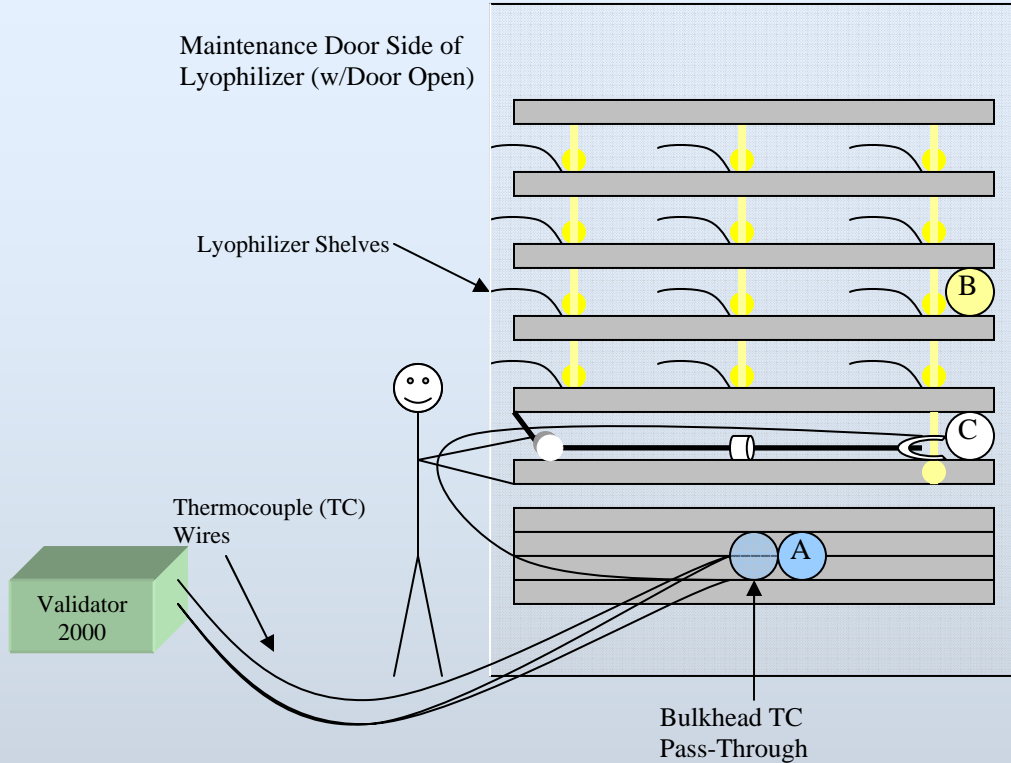


**Lyophilizer Side View Cross Section:  
Thermocouple Loading with Placement Tool**



\*Note: Bulkhead is capable of interfacing with the Lyophilizer wall through various connection types (e.g. Tri-Clover, Threaded, etc.)

One Bulkhead Fitting can accommodate all 48 thermocouple wires for new Kaye Validator AVS (Advanced Validation System).

- A Bulkhead Fitting
- B Thermocouple Clamp
- C Thermocouple Placement Tool