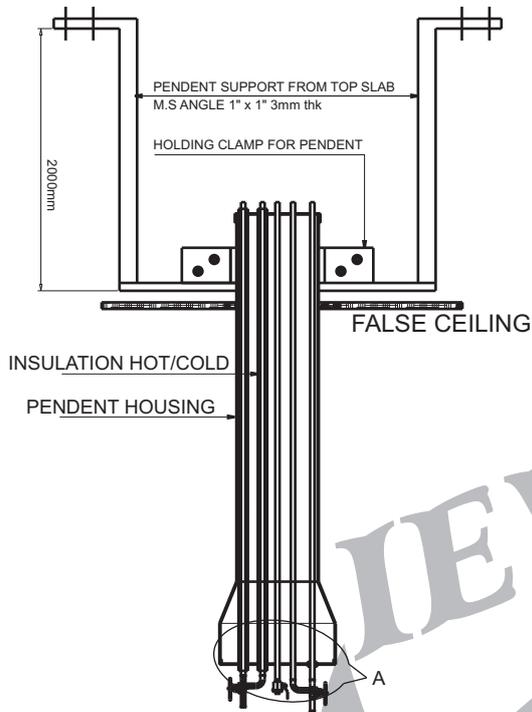


Pendants (service shafts)

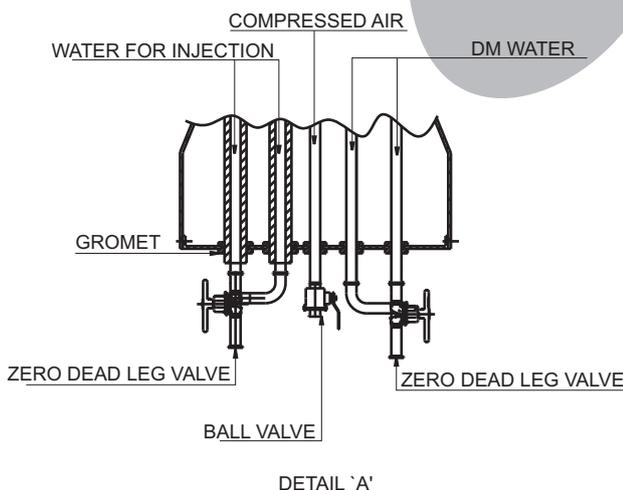


The Pendent is designed to take WFI / DM water piping Loops, electrical cabling, telephone cabling, steam / chilled water lines, nitrogen / carbon dioxide / butane / LPG lines, process media lines, potable water line, compressed air line etc. The entry end of the Pendent connects all the required services of a particular area to the pipelines or electrical wiring & cabling running through the utility floor.

This service shaft is designed to facilitate various services to be brought into the sterile area, or working area in a close nesting manner, so as to provide easy access to services of the various utilities within hand reaching distance, at the same time not fouling the room and maintaining cGMP parameters.

DESIGN FEATURES

The Pendent is designed to take mainly Electrical cabling, Water, Steam and gases housed in four segments of the Pendent, isolated and independent of each other. To maintain the sterile parameter of a given area the Pendent enters by penetrating the false ceiling in to the area. The Pendent is sealed on the outer edge of the bottom end entering the sterile area. The internals are sealed by means of rubber packing and silicon sealant at the top end after all services are installed. The bottom end is also sealed in a similar manner. This prevents cross contamination. The Pendent is so designed, that the housing can be dismantle easily by disconnecting utility piping to the pendent and removed by opening of the clamp giving easy access to the internals.



APPLICATION

To get service utilities into operational area in a closed configuration for easy handling / working for easy hookup and to maintain a barrier between access floors and cGPM areas.

CONSTRUCTION

Consists of an outer shell of varying sizes depending upon the number of services going through the service shaft. The bottom bell opens into the user point and has all the end connections