



November 3-6, 2024  
Chicago, Illinois USA

## Plumbing Information

Discount Deadline:  
September 16, 2024

- To receive advance rate, all orders, payment and accurate floorplan must be submitted by **September 16, 2024**.
- Determine how many pieces of equipment will need to be connected to either Air, Water, Drain, or Natural Gas.
- Package pricing for services includes: all materials with up to 75' of hose per primary service and an additional 10' per secondary service, labor for transferring location from drawing to floor and installing of services.
- **A HOOKUP fee is required for each service:** includes Nominal AM. standard air, water, drain, and gas from 1/8" -1". All connections not standard will incur an additional labor and material charge . We do not supply Metric fittings for connections.
- All fill and drain will be on fill and drain service pricing with a minimum of 1 hour labor for filling and draining. All other plumbing services such as anchors, welding, grinding, and rental items will be based on time and material.
- All connections from service to equipment will be performed by PES personnel only.
- OVERHEAD OUTLETS ONLY AVAILABLE IN UPPER NORTH (HALL B2) AND LOWER LAKESIDE. ALL OTHER HALLS NEED TO ORDER FLOOR OUTLETS AND INDICATE ON FLOOR PLAN IF YOU WANT A MAIN DROP LOCATION.
- **In-line booths and Peninsula booths** will have service brought to center back at curtain line if no floor plan is submitted with order. Airline sizes must be confirmed when ordering. If size is not indicated with order, we will provide a minimal size of 1/4" nominal.
- **Island booths requesting service** need to submit a detailed floor plan with order showing where services need to be installed. Without a floor plan, services could be delayed and additional costs incurred.
- After initial services are installed, any changes to installation will be on a new labor ticket and materials order.
- PES is not responsible for moisture, oil, water, drop or increase in pressure in lines to equipment. Exhibitors should provide their own filters, dryers or other equipment as needed.
- **No compressors are allowed on the show floor other than those supplied by PES.**
- PES reserves the right to size air services by supplied CFM's required for each outlet:
  - 1/4" Line = 1 - 25 CFM @ 90 PSI
  - 1/2" Line = 26 - 60 CFM @ 90 PSI
  - 3/4" Line = 61 - 115 CFM @ 90 PSI
  - 1" Line = 116 - 150 CFM @ 90 PSI
- **You must specify line size used per outlet when placing your order.** Minimum line size for water and/or drain service is 1/2" nominal.
- All air services shut down one (1) hour after the show closes.
- PES is not responsible for discoloration, taste, sediment or drop in water pressure.
- **Pricing Excludes:** Ramping which is a time and material cost, any applicable fees or taxes, any above and beyond the normal requests for hardware, specific brand products, pressure regulator valve installations, and/or major equipment/machinery retro fitting and assembly. **Any and all work requested to be done on OT or DT, or any floor or booth work scheduled outside of the package scope of work, will be done at the published hourly labor rates and noted on change order or supplemental work tickets, which will be signed by the exhibitor(s) as the work is performed and completed.**

**\*\*\* A floorplan is required for all airlines and water/drain outlets. The floorplan needs to show what booths are on each side of exhibitor booth, and indicate where each airline or outlet type is needing to be installed. The quantity of each outlet type ordered needs to match the floorplan. Any revisions for floorplan needs to be submitted by October 10, 2024 or Standard Rates will apply for the total plumbing order.\*\*\***

For all island booths, all plumbing utilities, excluding drain outlets, originate from overhead and will require a drop location. The floor plan MUST specify which outlets are overhead and which are floor outlets. It should also indicate if the floor outlets are to be run under the carpet or above the carpet. Please be aware, for above the carpet lines, accessing the utility floor port may still require carpet to be rolled back or cut. Any Service coming out of the aisle will have to be ramped prior to entering the exhibitors booth space. For all in-line and peninsula booths, the utilities will originate from the floor at the back of the booth unless otherwise specified.

- Location, Type and Size of the primary connection**—Utilities need to be distributed from one location. It is recommended that this location be placed in a closet, under a table/desk or in another location that keeps it out of sight. Please provide specific dimensions. **Please identify overhead or floor drops as well as CFM requirements per drop required.**
- Location, Type and Size of all secondary connections**—Provide specific dimensions. *Please do not simply place an X where a connection is required.*
- Booth orientation**—Please provide surrounding aisle and/or booth numbers, particularly for Island booths. Try to orient your booth to the overall floor plan so that the diagram does not have to be rotated.

Aisle or Booth # \_\_\_\_\_ (Back of Booth)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
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0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	

Adjacent Booth # \_\_\_\_\_

Adjacent Booth # \_\_\_\_\_

Feet Back ↑

Feet Over →

Aisle # \_\_\_\_\_ (Front of Booth)

PLUMBING

- CAL COMPRESSED AIR LINE (Diameter in inches)
- WL WATER LINE (Diameter in inches)
- DL DRAIN LINE (Diameter in inches)



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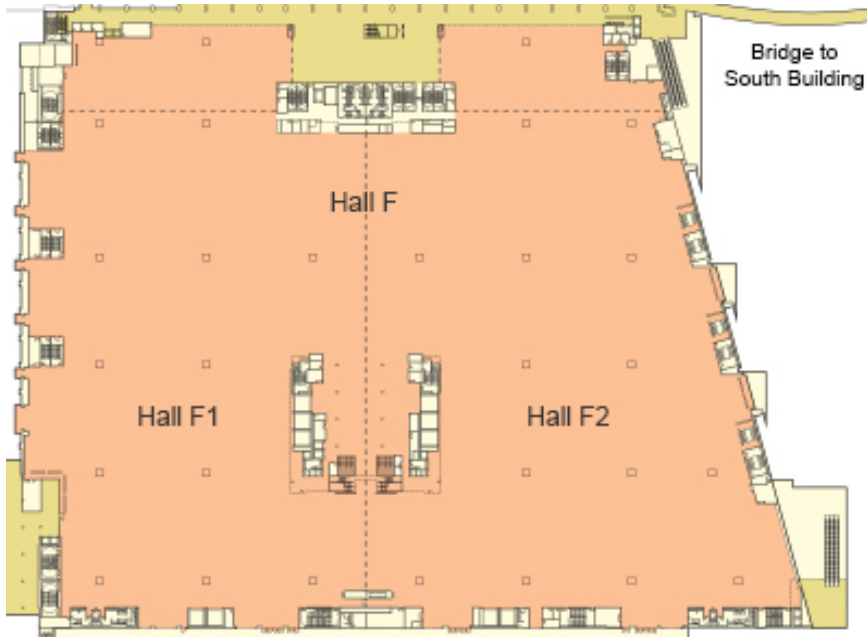
### Things to consider when selecting air line sizes:

- Base airline size needs off of your CFM requirements.
- To avoid possible safety/tripping hazards, if you order a line larger than 1/4", you may need to order carpet padding for under carpet lines; or consider overhead drops instead. Contact your Customer Service Manager for more information.
- The available sources for plumbing service in each building location are as follows:

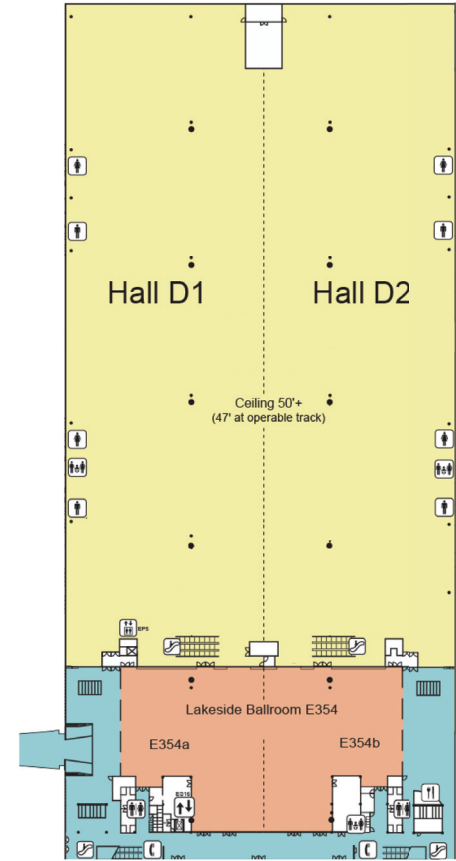
Building	Hall	Floor	Overhead
South	A1, A2	X	
North	B1	X	
North	B2		X
Lakeside Upper	D1	X	
Lakeside Upper	D2	X	
Lakeside Lower	E	X	X
West	F1	X	
West	F2	X	

NORTH BUILDING - LEVEL 3

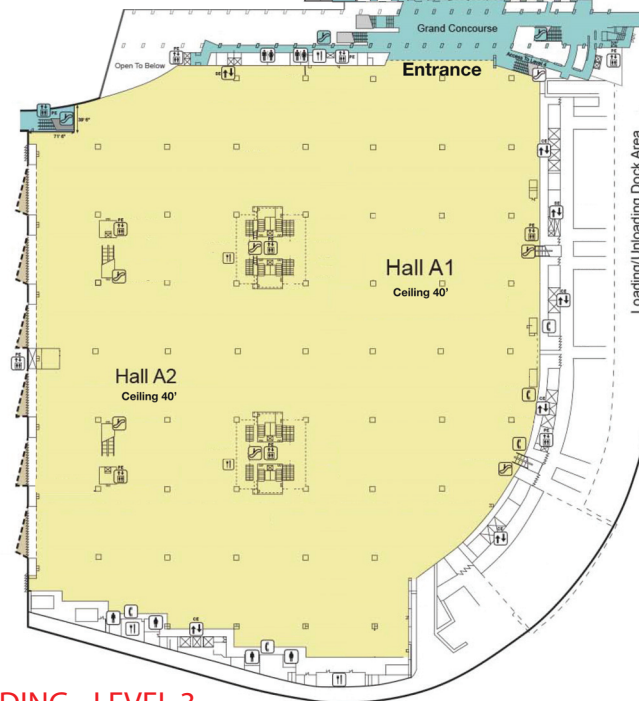
UPPER LAKESIDE CENTER - LEVEL 3



WEST BUILDING - LEVEL 3



LOWER LAKESIDE CENTER - LEVEL 2



SOUTH BUILDING - LEVEL 3

