MANUALLY RETRACTABLE CEILING SERVICE COLUMN

The column shall be 12.5" square and fabricated from steel, with all edges and surfaces having a powder coat finish. Two (2) 17-1/2" cornices shall be provided to trim the upper column shroud to the finished ceiling. The cornices shall have 1/2" adjustment to compensate for variations in the finished ceiling thickness. The shrouds shall be removable for inspection of piping and internal wiring.

The entire column shall be supported from a seven-gauge steel mounting plate. The mounting plate shall have four (4) 3/4" diameter holes, one in each corner for attachment to structural ceiling support provided by others. Structural supports for the column shall be securely attached to structural members and be capable of supporting a minimum 400 lb load.

Gas outlets shall be supplied with hose assemblies that attach to inlet tubes with 1/2" OD (3/8" nominal) type-K copper extension tubes to allow for silver solder connection to the piping system. Copper tubing shall extend a minimum of 8" from the upper mounting plate.

The ceiling columns will accommodate Series B Diameter-Index Safety System (DISS), Geometric, Pin Index or Latch-type, quick-connect medical outlets. Electrical outlets can be hospital-grade duplex or Hubbellock® receptacles. Bottom and side mounted services shall be as shown on the reverse side.

NOTE: Rough-Ins can be shipped early on an as-needed basis. Contact Modular Services for further assistance.

### Manual Ceiling Column

<table>
<thead>
<tr>
<th>Minimum Suggested Ceiling Height</th>
<th>Extended Column Length “A”</th>
<th>Retracted Column Length “B”</th>
</tr>
</thead>
<tbody>
<tr>
<td>9'-0&quot;</td>
<td>47&quot;</td>
<td>32-1/2&quot;</td>
</tr>
<tr>
<td>9'-6&quot;</td>
<td>53&quot;</td>
<td>38-1/2&quot;</td>
</tr>
<tr>
<td>10'-0&quot;</td>
<td>59&quot;</td>
<td>44-1/2&quot;</td>
</tr>
</tbody>
</table>

NOTE: All dimensions are approximate and subject to change. Required installation dimensions are included in instructions supplied with the ceiling column.
Ceiling columns are manufactured to customer specifications. The drawing indicates the possible locations of services. Select the services desired and fill in the appropriate location, number or letter (A through P or 1 through 10) in the charts below. Multiple locations for a particular service may be selected.

**NOTE:** Modular Services Co. requires a signed, approved copy of this specification before fabrication will begin.

Number of Columns ________ Column Length Retracted__________ Part Number ________________

Project Name __________________________________________________________________________

Approved By ___________________________________________ Date ________________________

**NOTES:**

1. Blank cover plates are supplied for locations without a specified service.

2. Gases may only be located in 1-10 and D, H, L, P and no more than 12 per column.

3. Electrical services and other accessories may only be used in locations A-P.

4. Electrical services and other accessories are not pre-installed on the column.

5. Wiring is not provided for 5-pin connectors, RJ-45 data jacks, or grounding receptacles.

6. Isolated power wires are available upon request.