CLOSET CARRIERS

Closet Carrier Position Chart for Wheelchair Facilities

EXPLANATION AND USE OF CHART

The chart represents solutions for nine separate applications, each line being the solution for a different application. Notice that for every application, there is a solution using only standard carriers. Use of the 12000-35 carrier can be avoided in most situations. Column 1 represents a fixture mounted on a vertical stack fitting. Columns 2 through 8 represent the locations of additional fixtures mounted on horizontal fittings. Each column is divided into three sub-columns, identified as A, B, and C. The ○, ● and ▲ symbols show the types of carriers that can be used for either normal or high rough in that particular location. Blank spaces mean that the carrier cannot be used in that location. The far right-hand column shows the slope or pitch per foot of the horizontal drain line to the stack. **Notice that lines 5 and 6 show a slope of 1/4 in. per foot.** The chart applies to either siphon jet or blowout fixtures, and should eliminate confusion about installations for the physically disabled.

CLOSET CARRIER SELECTION
INSTALLATIONS FOR THE PHYSICALLY DISABLED

Based on 3 in. difference in elevation between normal and high rough fixtures, and on 36 inches between fixtures [horizontally]. See note below.*

	STACK			HORIZONTAL CARRIER LOCATIONS																					SLOPE
LINE	1			2			3			4			5			6			7			8			PER
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	FOOT
1	○	●	▲																						1/8 in.
2	○	●	▲	○		▲																			1/8 in.
3	○	●	▲	○		▲	○		▲																1/8 in.
4	○	●	▲	○		▲	○		▲	○		▲													1/8 in.
5	○		▲	○		▲	○		▲		●	▲													**1/4 in.**
6	○		▲	○			○		▲	○		▲		●	▲										**1/4 in.**
7	○		▲	○		▲	○		▲	○		▲	○		▲		●	▲							1/8 in.
8	○		▲	○			○		▲	○		▲	○		▲	○		▲		●	▲				1/8 in.
9	○		▲	○			○			○		▲	○		▲	○		▲	○		▲		●	▲	1/8 in.

A = ○ = Normal rough with standard 12000 Series Carrier
B = ● = High rough with standard 12000 Series Carrier
C = ▲ = High rough with 12000-35 Series Carrier

Carriers ○ and ▲ are required for back-to-back mounting when one fixture is normal rough and the other is high rough.

EXAMPLE:

A. Requirement: Plans call for rest rooms back-to-back, each with six water closets, one of which is to be high rough.

B. Solution: Because six fixtures are involved, refer to column 6, line 7. Note that a standard 12000 Carrier [sub-column B] can be used for the high rough fixture at the upstream end of the branch. The remaining five fixtures, all at normal rough, can be mounted on standard 12000 Carriers as shown in columns 1 through 5, sub-columns A.

Note that the standard 12000 Carrier can be used in a high rough position at the stack or at the upstream end of the horizontal branch, depending on the number of closets required, as shown in sub-columns B. Either of these locations is preferred for the high rough water closet. **Thus, for most installations, the standard 12000 Carrier is suitable.** However, if the high rough water closet cannot be so located, the 12000-35 high rough Carrier can be used in almost any location, depending on the number of closets required. In this case it may be necessary to increase the horizontal spacing between locations to some distance greater than 36 inches. If so, the above chart is no longer applicable. Furthermore, whenever the fixture arrangement for back-to-back water closets requires high rough on one side and normal rough on the other side, the 12000-35 Carrier must be used on the high rough side.

For unusual requirements not covered by this chart, we suggest you contact your JOSAM Representative.

*NOTE: Even though specific construction requirements for the physically disabled may vary from one jurisdiction to another, those specified in American National Standard ANSI A117.1-1980 are generally accepted. In this standard, Section 4, Paragraph 4.16.3 states that the height of water closets shall be 17 to 19 in. to the top of the seat. This confirms the water closet rim height of 18 in. for the physically disabled, previously established in ANSI A112.19.2, which is a standard for vitreous China plumbing fixtures. In compliance with these standards, the above selection chart has been developed using a 3 in. difference in elevation between normal rough fixtures [15 in. rim height] and high rough fixtures [18 in. rim height].

⚠ **WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov