

FIXTURE CARRIER SELECTION AND CONSIDERATION INFORMATION

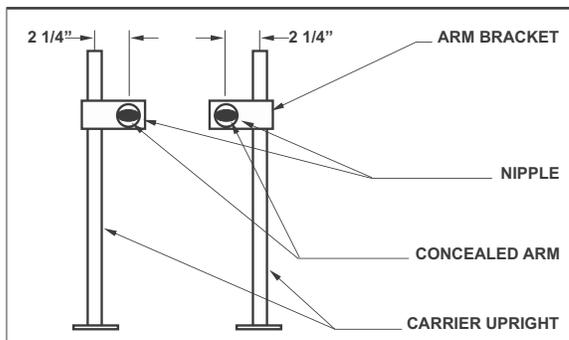
APPLICATION	TYPES	RECOMMENDED CARRIER
Commercial construction Off the floor Water Closet	Horizontal or vertical Fixed or Adjustable	MC-10, MC-10-EXT, MC-12, MC-13 MC-14, MC-15.
Light commercial or residential Off the floor Water Closet	Fixed Vertical	MC-14-3, MC-21, MC-25
Off the floor lavatories (mounted on structural support legs constructed behind the finished wall) Wash Sinks, Surgical Scrub Sinks	Plate type Exposed Arm Concealed Arm Wheelchair	MC-30, MC-31, MC-32, MC-33 MC-40, MC-56, MC-41, MC-51, MC-53, MC-53, MC-54 MC-42 MC-60
Off the Floor Urinals		MC-30
Off the Floor Drinking Fountains and Water Coolers		MC-30, MC-31, MC-33
Penal Fixtures	Stack mounted fixtures	MC-26, MC-27, MC-28

CLOSET CARRIER NIPPLE VARIATIONS

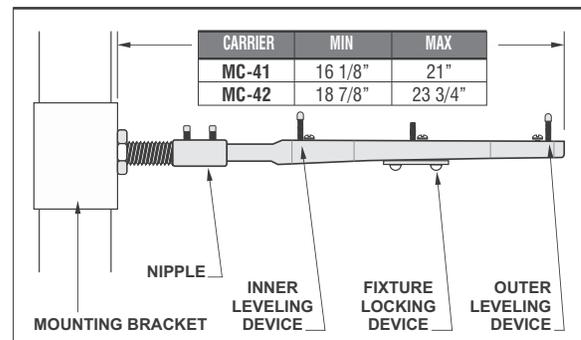
(STANDARD) TAPERED THREAD	ROLLED STRAIGHT THREAD (suffix -OR)	TAPERED THREAD TWO PIECE NIPPLE WITH ADJUSTABLE HORN (suffix -AH)
		
MC-10-PN8-31 (12" also available)	MC-10-PN8R-31 (12" also available)	MC-10-PN8AH-31 (12" also available)

FIXTURE CARRIERS

CONCEALED ARM CARRIERS



The center of the concealed arm nipple is 2 1/4" offset from center line of the uprights. It is imperative that this offset be accommodated when locating the position of the upright before it is lag bolted to the floor slab!



NOTE: Minimum and maximum dimensions are front of mounting bracket to the end of the concealed arm. The outermost leveler position is 3/4" from the end of the arm

Fixture Carrier Selection Guide

ADVANTAGES OF OFF-THE-FLOOR PLUMBING FIXTURES

Off-the-floor plumbing fixtures are easily the most widely used plumbing fixture in commercial building today. As the name implies, no part of the fixture touches the floor of the installation. The fixture is mounted to steel studs protruding through the wall from a carrier support in the pipe chase. This carrier support is anchored to the chase floor and receives the fixture load. The advantages of off-the-floor fixtures, as opposed to floor mounted fixtures, are numerous. The most obvious advantages - installation, maintenance, sanitation and aesthetics - are presented here.

1. INSTALLATION

The installation of floor mounted fixtures can be costly and time-consuming to the job. Floor mounted fixtures require slab penetration and sleeving at each location. The resulting waste piping is run under the slab, thus creating a need in multi-story buildings to provide a false ceiling for concealment purposes. The piping assembly also requires special consideration as it is usually accomplished piece by piece during installation. By comparison, the off-the-floor fixture installation does not involve slab penetration in the toilet room. Since all piping is behind the wall, there is no need for ceiling modification. And off-the-floor support systems are fairly modular in design, allowing for prefabrication, on or off site, before installation. All this contributes to substantial savings in time and cost.

2. MAINTENANCE

Both floor mounted and off-the-floor plumbing installations may have similar mechanical service requirements; however, due to their inherent characteristics, the off-the-floor installations are generally considered easier to service and maintain.

3. SANITATION

The most important consideration of toilet room design is sanitation, the ability to maintain a clean environment. The floor mounted fixture installation directly opposes this consideration. The base of the fixture magnetically attracts dirt that is difficult, if not impossible, to remove. Floor deterioration in the area of fixture contact also contributes to unsanitary conditions. The clearance that the off-the-floor fixture installation provides immediately resolves the problems of floor mounted design. Complete sanitation is easily maintained with normal cleaning.

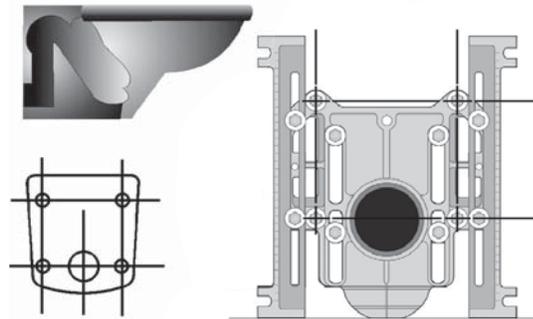
4. AESTHETICS

Aesthetic appeal is an important consideration in deciding upon fixtures. The clean, smooth lines of off-the-floor fixtures complement today's contemporary toilet room designs.

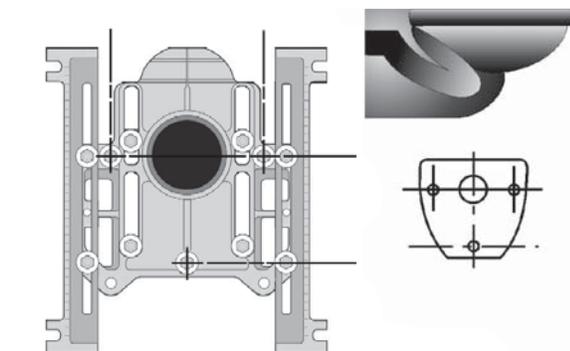
TYPES OF WATER CLOSETS

There are two types of water closets commonly used in commercial installations: siphon jet and blowout. The MIFAB closet carrier can be used to mount either type.

SIPHON JET WATER CLOSETS use siphonic flushing action to evacuate the bowl. This is a quiet and economical type of flushing action that provides quick, efficient results. The large water surface area of the bowl, for better sanitation, is another desirable feature of the siphon jet water closet. The siphon jet closet mounts to the carrier with four mounting studs.



BLOWOUT WATER CLOSETS use a direct jet stream for bowl evacuation. This type of flushing action is rapid and forceful and primarily used in heavy duty installations such as stadiums and terminals. Due to this powerful flushing, the blowout water closet is noisier in operation than the siphon jet. The blowout closet mounts to the wall with three mounting studs. **NOTE: It is highly inadvisable to mount Blow-out type water closets in a "Back to Back" type installation.**



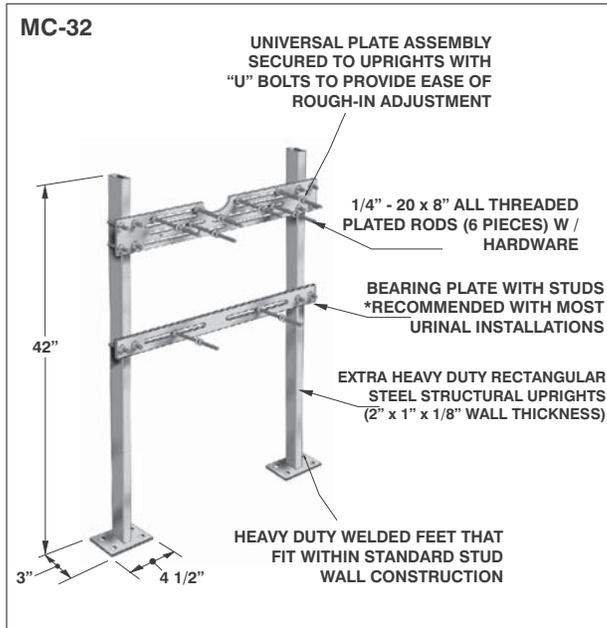
FIXTURE CARRIERS

Fixture Carrier Selection Guide (Cont'd.)

FIXTURE CARRIERS

PLATE TYPE CARRIERS

The MIFAB plate type floor mounted fixture carriers have been developed to accommodate the majority of hanger plate supported fixtures such as urinals, plate type lavatories and water coolers for support independent of the wall. The MIFAB universal backing plate provides adjustment for a wide variety of fixtures from most manufacturers.

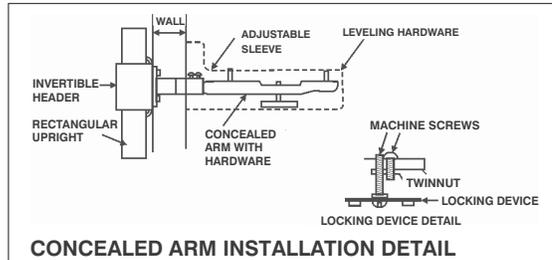


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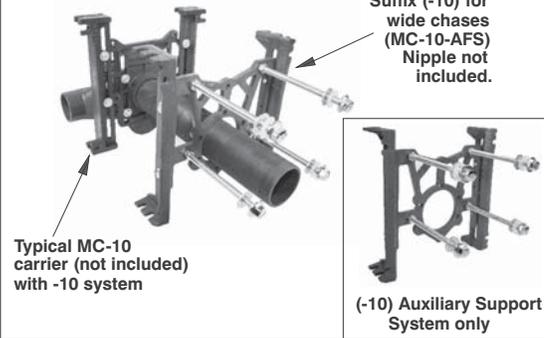
Carriers are provided with complete installation instructions for customer convenience.

CONCEALED ARM CARRIERS

MIFAB concealed arm lavatory carriers can be used with any lavatory fixture that has been drilled for concealed arm supports. This concealed arm support consists of ductile iron arms with leveling and locking hardware. These arm assemblies are available in two lengths to accommodate standard and wheelchair fixtures. After carrier installation and completion of wall construction, final adjustment can be made to the arm and sleeve assembly. Then the fixture is slid over the arms. Level and locking are accomplished through openings in the fixture itself. Installation is then complete.



Auxiliary Support System



MC-41

