

The MIFAB® Design

Among the many outstanding design features of the MIFAB product line, the following are unique:

- **Bodies/Modular design.** The majority of floor drains, roof drains and cleanouts illustrated in this catalog incorporate the use of only three different bodies. The A1 body is used with floor drains, roof drains and cleanouts which are subject to pedestrian or heavy traffic loads and low flow



rates. The shallow design of the A1 body allows for installation in slabs of minimum thickness. **Because a membrane clamp is usually not required (the majority of drains and cleanouts are installed slab on grade), MIFAB's A1 body design incorporates an integral female thread (4" N.P.S.) to receive adjustable strainers or cleanout tops.**

The A2 body with a 6" deep sump is used for floor and roof drains for most other applications. The A3 body with the 12" deep sump is designed for high flow applications in floors or roofs.

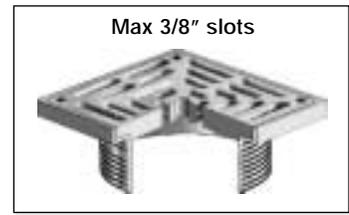
- **Top Assemblies/Modular Design.** MIFAB introduces the F1000/C1000 series floor drains and cleanouts with type CF8 (304) cast stainless steel strainers/top assemblies. This material offers superior corrosion resistance and will not discolor due to oxidization as well as the heavy duty load bearing characteristics of stainless steel. **This means the elimination of dished and discolored strainers and cleanout tops when this product is specified.**



MIFAB's adjustable round and square top assemblies for unfinished areas incorporate

standard ductile iron grates which insure flush installation of the drains at the low point of the drainage area to be serviced and eliminates any unwanted movement or dishing of the grate due to heavy wheel loads. These top assemblies are available with optional stainless steel veneers to provide an attractive and heavy-duty installation in any application where an area drain with a cast or ductile iron grate alone would be unsightly, such as public promenade areas.

- **Maximum 3/8" wide grate drainage slots.** This eliminates the need for the designer to differentiate between regular and pedestrian grates. In addition these narrow slots restrict solids from entering the drain, which reduces the need for a sediment bucket or secondary strainer, both of which can reduce the flow rate of the drain by as much as 60%.



- **Other Modular Options.** MIFAB's roof drain clamps are interchangeable as flashing clamp rings, deck clamps and extensions. This greatly simplified system eliminates a significant number of parts found in other manufacturer's designs.



- **Cleanouts.** MIFAB's cleanout design incorporates a combined gasketed cover and cleanout plug at floor level which insures the cleanout will be gas tight so long as the cover/plug is in place. The elimination of secondary plugs made of plastic, brass or iron assures quick and simple emergency access to the drain line. An exclusive O-ring on the adjusting threads insures 100% test seal. When MIFAB's C1000-3 stainless steel series is specified, you can be assured that this cleanout will not discolor or dish for the life of the building.

- **Carrier Fittings for off the floor Water Closets.** MIFAB's unique design allows one carrier to be used for most standard or ADA rough in heights. In addition a reversible faceplate allows the installation of either siphon jet or blow-out bowl closets. Carriers are designed for any type of wall construction. Compact design insures minimum pipe space requirement.

- **Availability/Cost** MIFAB products are inventoried by full-line distributors in major cities throughout North America. Modular, interchangeable parts ensure fast delivery. MIFAB's products are realistically priced and in all cases are competitive with products of similar design and materials.

Materials and Finishes

MIFAB Stainless Steel, Suffix -3 Mifab cast stainless steel strainers are produced in Type CF8 (304) stainless steel which is an 18-8 austenitic stainless steel possessing excellent corrosion resistant characteristics. Fabricated SS veneers are formed from type 304 SS sheet. Both cast & stainless products are polished to a number 4 satin finish. In highly corrosive areas strainers and cleanout covers are available with the option -29, type 316 stainless steel. Body and collars assemblies in highly corrosive areas may be specified in solid cast type 304 (-28) or solid cast type 316 (-29).

MIFAB Nickel Bronze Suffix -1 MIFAB nickel bronze is a copper/nickel alloy (copper alloy 997) that is broadly used for adjustable strainers, funnels and cleanout tops and as veneers on standard ductile iron tops. **In areas where there is a concern for discoloration due to oxidization, MIFAB stainless steel strainers, cleanout covers and area drain assemblies are recommended to be specified with solid cast strainers or cast or fabricated SS veneers.**

MIFAB Acid Resistant Porcelain Enamel -A.R.E. Acid resistant porcelain enamel is a vitreous or glassy inorganic coating bonded to metal by fusion at a high temperature above 800°F. This coating is extremely hard and is ideal for sanitation in drainage applications. MIFAB's acid resistant porcelain enamel coating conforms to the requirements of F.D.A. (Food and Drug Administration) Regulation 21-CFR5 117.1360.

MIFAB Ductile Iron Suffix -4 Most MIFAB ferrous grates are supplied in ductile iron that has superior shock resisting qualities in addition to greater strength when compared to gray iron.

MIFAB's ductile iron complies to ASTM specification A 536-84, Grade 60-45-10. Recommended for all areas subjected to heavy vehicular traffic. Ductile iron also exhibits superior corrosion resistance when compared to regular gray iron.

MIFAB Coated Cast Iron Suffix -50 All MIFAB floor drain, roof drain and cleanout bodies, collars and clamping rings are manufactured with cast iron material that conforms to ASTM specification for Gray Iron Castings A 48-83, Class 25. MIFAB cast iron has excellent resistance to corrosion in normal drainage applications because of the high quality coating which prevents rusting or discoloration in normal applications.

MIFAB Acid Resistant Epoxy Coating, Suffix -3M Acid resistant epoxy coating is a baked-on powder coating, which produces a smooth, hard, high gloss finish. This epoxy based coating offers high impact resistance and long life expectancy in all applications. MIFAB's 3M coating conforms to the requirements of the F.D.A. (Food and Drug Administration) Regulation 21-CFR5 117.1360.

MIFAB Galvanized Cast Iron, Suffix -13 MIFAB galvanized cast iron is a process applied to specially prepared gray or ductile iron castings. This coating contains 95% zinc and increases longevity and is recommended where the discoloration or oxidization of iron or steel is objectionable. Galvanizing is recommended in coastal or industrial areas where a corrosive atmosphere may be encountered. MIFAB galvanizing meets or exceeds Government specification MIL-P-26433, MIL-P-21035, MIL-P 26915A and MIL-C-10578 (Type II). It also meets ASTM A239-89.