

MIFAB Master Specification

Plumbing Drainage & Specialties - Specification

For Commercial, Industrial & Institutional Facilities

<u>Specification Category</u>	<u>Description</u>
“RD”	
Roof Drains	(Standard Flow: Conventional Insulated Roof, Small Roof Areas, Promenade Areas, Inverted Roofs)
Roof Drains	(Controlled Flow: Conventional Insulated Roof, Inverted Roof)
Roof Drains	(Scupper Drain, Parapet / Gutter / Pit Drain)
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“FD”	
Floor Drains	(Finished Areas and Shower Areas)
Floor Drains	(Mech. Rooms & Unfinished Areas / Floating Floors)
Floor Drains	(Mech. Rooms & Unfinished Areas – Combination Drains)
Floor Drains	(Transformer Rooms)
Floor Drains	(Chemical Resistant)
Floor Drains	(Parking Area Drains)
Floor Drains	(Wooden Floors)
Floor Drains	(Floor Drain with Surface Membrane Clamp)
Floor Drains	(Trench Grate and Frame / Trench Drain)
Floor Drains	(Planter Area)
Floor Drains	(Area Wells)
Floor Drains	(Pool Decks)
Floor Drains	(Stainless Steel Floor Drain)
Floor Drains	(Garage Catch Basin)
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“CO”	
Cleanouts	(Line Type)
Cleanouts	(Stack Type)
Cleanouts	(Urinal Type)
Cleanouts	(Finished Areas)
Cleanouts	(Unfinished / Heavy Traffic Areas)
Cleanouts	(Tile or Linoleum Areas)
Cleanouts	(Ceramic or Terrazzo Areas)
Cleanouts	(Carpeted Areas)
Cleanouts	(Cleanout with Surface Membrane Clamp)
Cleanouts	(Floating Floors)
Cleanouts	(Water-Proofed Floors)

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Description

“HY”

Hydrants	(Non Freeze Exterior - Exposed)
Hydrants	(Non Freeze Exterior - Encased)
Hydrants	(Moderate Climate - Exposed)
Hydrants	(Moderate Climate - Encased)
Hydrants	(Interior Wall Faucet)

“BWV”

Backwater Valves	(In Line - Horizontal)
Backwater Valves	(In Line – Horizontal w/ floor level access)
Backwater Valves	(Access Housing)

“TSP”

Trap Seal Primers	(Continuous Flow)
Trap Seal Primers	(Pressure Drop Activated)
Trap Seal Primers	(Distribution Manifold)
Trap Seal Primers	(Connection Adapters)

“ACD”

Access Doors	(Universal Access for Walls and Ceilings)
Access Doors	(Recessed for Tile and Drywall)
Access Doors	(Fire Rated - Insulated and Uninsulated)

“INT”

Interceptors	(Grease Interceptor - Standard)
Interceptors	(Grease Interceptor - Low Rough-In)
Interceptors	(Grease Interceptor - Electronic)
Interceptors	(Oil Interceptor - Standard)
Interceptors	(Oil Interceptor - c/w Integral Holding Tank)
Interceptors	(Oil Interceptor - Electronic)
Interceptors	(Sediment - Large)
Interceptors	(Sediment - Medium)
Interceptors	(Sediment – Small)
Interceptors	(Hair)

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<u>Specification Category</u>	<u>Description</u>
“WC”	
Closet Carrier	(Single Horizontal - Adjustable)
Closet Carrier	(Double Horizontal - Adjustable)
Closet Carrier	(Thin Wall Single Vertical - Adjustable)
Closet Carrier	(Thin Wall Double Vertical - Adjustable)
Closet Carrier	(Thin Wall Single Vertical - Non Adjustable)
Closet Carrier	(Vertical Water Closet Carrier - Adjustable)
“LC”	
Lavatory Carrier	(Concealed Arm - Regular and Wheelchair)
Lavatory Carrier	(Concealed Arm - For Semi Pedestal Basin)
Lavatory Carrier	(Exposed Arm)
“UC”	
Urinal/Cooler Carrier	(Single Plate System)
Urinal/Cooler Carrier	(Dual Plate System)

Specification Notes:

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Plumbing Drainage & Specialties – Specification Standards

ROOF DRAINS

RD1 ROOF DRAINS – STANDARD FLOW

Large Sump Roof Drain for 1-3/4" to 7" Insulation

MIFAB Series R1200-EUM lacquered cast iron deep sump roof drain with anchor flange, cast iron waterproofing membrane clamp ring with integral gravel stop, adjustable cast iron extension flange, underdeck clamp, and metal dome strainer, with a free area of 136 sq. inches (87741).

Small Sump Roof Drain for 1-3/4" to 7" Insulation

MIFAB Series R1100-EUM lacquered cast iron roof drain with anchor flange, cast iron waterproofing membrane clamp ring with integral gravel stop, adjustable cast iron extension flange, underdeck clamp and aluminum dome strainer, with a free area of 35 sq. inches (22581).

Large Sump Roof Drain with Adjustable Ballast Guard for I.R.M.A. Roofs

MIFAB Series R1200-HC-M lacquered cast iron deep sump roof drain with anchor flange, adjustable extension with auxiliary drainage slots, secondary clamp, large cast iron waterproofing membrane clamp ring with integral gravel stop and metal dome strainer with a free area of 136 sq. inches (87741).

Small Sump I.R.M.A. Roof Drain with S.S. Ballast Guard

MIFAB Series R1100-JC-M lacquered cast iron roof drain with anchor flange, cast iron waterproofing membrane clamp ring with integral gravel stop, stainless steel non-fouling 6" (150) high ballast guard with 1/2" (13) round drainage openings, ballast guard securing ring with gravel stop, and aluminum dome strainer with a free area of 35 sq. inches (22581).

Promenade Deck Drain

MIFAB Series R1100-P lacquered cast iron roof drain with anchor flange, cast iron waterproofing membrane clamp ring, and standard 1" (25) thick, 8" (200) square adjustable ductile iron tractor grate. **For Inverted roof installation use Mifab Series R1100-PJ.**

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RD2 ROOF DRAINS – FLOW CONTROL

Large Sump Flow Controlled Roof Drain with Parabolic Weir

MIFAB Series R1200-F-EUM lacquered cast iron deep sump roof drain with anchor flange, large cast iron waterproofing membrane clamp ring with integral gravel stop, adjustable cast iron extension flange, underdeck clamp, accuflow parabolic weir (specify -F1, -F2, -F3 for 1,2 or 3 slots) and metal dome strainer, with a free area of 136 sq. inches (87741). **For Inverted roof installation use Mifab Series R1200-HC-M-F**

RD3 SCUPPER / PARAPET / GUTTER & PIT DRAIN

Scupper Drain with Angle Grate and 90 Degree Outlet

MIFAB Series R1300 - lacquered cast iron scupper drain with 90 degree outlet, membrane clamp and sloped grate. For a 45 degree outlet drain use Series 1310.

Cast Iron Angle Pit Drain with Backwater Valve

MIFAB Series BV1210 lacquered cast iron angle pit drain with removable backwater valve and seat.

FLOOR DRAINS

FD1 FLOOR DRAINS - FINISHED AREAS AND SHOWER AREAS

Floor Drain for Non Membrane Floor Areas

MIFAB Series F1000-5-3 lacquered cast iron floor drain with anchor flange, weepholes, and standard heavy duty 5" diameter, polished stainless steel strainer. **(For membrane floors, use MIFAB F1000-C-5-3 Series).** **(For finished area funnel drain, use MIFAB F1000-C-EF-3).**

Floor Drain for Shower Areas

MIFAB Series F1000-C-5-3 lacquered cast iron floor drain with anchor flange, weepholes, and standard heavy duty, 5" diameter, polished stainless steel strainer.

FD2 FLOOR DRAINS – MECH. ROOMS, UNFINISHED AREAS / FLOATING FLOORS

Unfinished Area Floor Drain with 9" Round Adjustable Tractor Grate

MIFAB Series F1320-C-4 lacquered cast iron floor drain with anchor flange, cast iron clamp ring with primary and secondary weepholes for waterproofing membrane, and standard 1" (25) thick, 9" (225) diameter, ductile iron tractor grate. **(For non membrane floors, use MIFAB F1320 Series).**

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Isolation Floor Drain with 9" Round Adjustable Tractor Gate

MIFAB Series F1620-C lacquered cast iron floor drain with upper and lower bodies and anchor flanges, cast iron membrane clamp rings with primary and secondary weepholes for waterproofing membrane, neoprene expansion compensator and standard 1" (25) thick, 9" (230) diameter ductile iron tractor grate.

FD3 FLOOR DRAINS – MECH. ROOMS & UNFINISHED AREAS – COMBINATION DRAINS

Funnel Floor Drain with 9" Round Adjustable Tractor Gate

MIFAB Series F1320-C-4-G-50 lacquered cast iron floor drain with anchor flange, cast iron clamp ring with primary and secondary weepholes for waterproofing membrane, and standard 1" (25) thick, 9" (225) diameter, ductile iron tractor grate, and a 4" x 9" (100mm x 228mm) cast iron funnel. **(For non membrane floors, use MIFAB F1320-4-G-50 Series).**

Funnel Isolation Floor Drain with 9" Round Adjustable Tractor Gate

MIFAB Series F1620-C-G-50 lacquered cast iron floor drain with upper and lower bodies and anchor flanges, cast iron membrane clamp rings with primary and secondary weepholes for waterproofing membrane, neoprene expansion compensator and standard 1" (25) thick, 9" (230) diameter ductile iron tractor grate, and a 4" x 9" (100mm x 228mm) cast iron funnel.

FD4 FLOOR DRAINS – TRANSFORMER ROOMS

Floor drains in transformer vaults

Mifab Series F1560-4-8-GS powder epoxy coated fabricated 10 gauge steel body, with heavy duty 300 mm x 300 mm (12 in. x 12 in.) ductile iron tractor grate. Drain body shall have grounding screw. Drain shall have side outlet connection, bronze backwater valve/flame arrestor assembly and gasketed internal cleanout cover.

FD5 FLOOR DRAINS - CHEMICAL RESISTANT

Chemical Resistant Floor Drain

MIFAB Series F1000-5-3-30-28 PVC body floor drain with anchor flange, weepholes, and solid cast 304 heavy duty, 5" diameter, polished stainless steel strainer. (For membrane floors, add "-C" to Series number).

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FD6 FLOOR DRAINS – PARKING AREAS

Area Drain with 12" Square Adjustable Tractor Gate – Slab on Grade

MIFAB Series F1440-4 lacquered cast iron deep sump floor drain with anchor flange, weepholes and adjustable collar with standard 1" (25) thick, 12" (300) hinged square ductile iron tractor gate. **When sediment bucket is required use F1440-4-5.**

Area Drain with 12" Square Adjustable Tractor Gate – CSA S413-94

Mifab Series F1510-4-5 floor drain in parking structures and ramps complete with lacquered cast iron deep sump floor drain with anchor flange, double drainage weepholes, anti-ponding top, sediment bucket, membrane clamp and 1" (25) thick, 12" (300) hinged square ductile iron tractor gate. Drain to be supplied with membrane extension as required.

NOTE:

The Mifab Series F1510-4-5 complies with all requirements of CAN/CSA-S413-94 for materials and corrosion resistance.

FD7 FLOOR DRAINS – WOODEN FLOORS

Wood Deck Floor Drain

MIFAB Series F1230-WF-1 lacquered cast iron wood deck floor drain and 1-1/2" (38) wide securing flange and standard reinforced 5" (125) diameter nickel bronze rim and grate.

FD8 PLENAM FLOOR DRAINS – SURFACE MEMBRANE CLAMP

Floor Drain with Surface Membrane Clamp

MIFAB Series F1000-FC7-3 lacquered cast iron floor drain with anchor flange, weepholes, and "FC" 7" diameter heavy duty polished stainless steel strainer with surface membrane clamp. **(For membrane floors, use MIFAB F1000-C-FC7-3 Series).**

FD9 FLOOR DRAINS – TRENCH GRATE AND FRAME

12" Wide x 24" Long Trench Drain Grate and Frame

MIFAB Series T1200-F-4 - 12" (300) wide x 24" (610) long ductile iron trench drain grate with angle iron frame. Grates to have maximum 13/16" (21) openings. Supply in sections as indicated on drawings.

5-1/4" Wide x 12" Long Sloped Trench Drain Grate, Frame and Body

MIFAB Series T1320-FL-3 - 5-3/4" (146) wide x 12" (305) long type 304 stainless steel trench drain grate with frame, anchor flange and body with bottom no hub outlet. Grates to have heel and cycle proof maximum 3/8" (9) openings. Each 12" (305) long section is sloped 1/4" (6) from top to bottom. Supply in sections as indicated on drawings.

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FD10 FLOOR DRAINS – PLANTER AREA

Small Body - Planting Area Drain

MIFAB Series F1810 - lacquered cast iron planting area drain with anchor flange, cast iron waterproofing membrane clamp ring, and standard self-locking cast aluminum dome strainer with stainless steel mesh screen.

Large Body - Planting Area Drain

MIFAB Series F1820 - lacquered cast iron deep sump planting area drain with anchor flange, large cast iron waterproofing membrane clamp ring, and standard self-locking large ductile iron dome strainer with stainless steel mesh screen.

FD11 FLOOR DRAINS – AREA WELLS

MIFAB Series F1320-C-4-18 lacquered cast iron floor drain with anchor flange, cast iron clamp ring with primary and secondary weepholes for waterproofing membrane, and a dome cast iron grate. **(For non membrane floors, use MIFAB F1320-4-18 Series).**

FD12 FLOOR DRAINS – POOL DECKS

MIFAB Series F1100-C-S5-49-30 PVC body floor drain with anchor flange, weepholes, and 5" square chrome plated strainer and membrane clamp.

FD13 FLOOR DRAINS – STAINLESS STEEL FLOOR DRAIN

MIFAB Series F1000-5-3-28 stainless steel body floor drain with anchor flange, weepholes, and standard heavy duty, 5" diameter, polished stainless steel strainer. **(For membrane floors, use MIFAB F1000-C-5-3-28 Series).**

FD14 FLOOR DRAINS – GARAGE CATCH BASIN

24" x 24" Heavy Duty Parking Area Catch Basin

MIFAB Series F1570-(A,B,C,D or E) powder epoxy coated heavy duty parking area catch basin with anchor flange, and extra heavy duty 24" x 24" (600 x 600) two section ductile iron grates with a free area of 200 sq. inches (129032). Grates to have maximum 13/16" (21) openings.

MIFAB Series T1200-FW-4 - 24" (610) wide x 24" (610) long ductile iron trench drain grate with angle iron frame. Grates to have maximum 13/16" (21) openings.

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CLEANOUTS

CO1 CLEANOUTS – LINE TYPE

Cast Iron Line Cleanout

MIFAB Series C1450 lacquered cast iron cleanout ferrule with 1/2" (13) thick ductile iron combined cover and plug.

CO2 CLEANOUTS – STACK TYPE

Cast Iron Stack Cleanout

MIFAB Series C1460 lacquered cast iron cleanout with large access area and threaded plug.

CO3 CLEANOUTS – URINAL TYPE

Expandable Line Cleanout

MIFAB Series C1440 cleanout plug with expandable cleanout. Line cleanout to be supplied in conjunction with the appropriate size Stainless Steel cover and vandal proof screw.

CO4 CLEANOUTS – FINISHED AREAS

Adjustable Floor Cleanout for Non Membrane Floor Areas

Cleanouts shall have lacquered cast iron bodies with anchor flange, secondary "O" ring test seal and adjustable combined access cover and plug top assembly with primary gasket seal.

Cleanouts in finished floor - shall be Mifab C1000-R-3 round top or C1000-S-3 square top with heavy duty polished stainless steel finish and maximum LOAD RATING of 7,499 lbs.

CO5 CLEANOUTS – UNFINISHED / HEAVY TRAFFIC AREAS

Cleanouts in unfinished areas - shall be MIFAB C1100-XR-4 round top with ductile iron cover with maximum LOAD RATING of 7,499 lbs.

CO6 CLEANOUTS – TILE OR LINOLEUM

Cleanouts in linotile areas - shall be MIFAB C1000-T-3 (round top) or C1000-TS-3 (square top) with a heavy duty load rated polished stainless steel top.

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CO7 CLEANOUTS – CARPETED AREAS

Cleanouts in carpeted areas - shall be MIFAB C1000-RC-3 with a heavy duty load rated polished stainless steel top and stainless steel carpet marker.

CO8 CLEANOUTS - SURFACE MEMBRANE CLAMP FOR PLENAM FLOORS

MIFAB Series C1000-RFC7-3-34 lacquered cast iron cleanout with anchor flange, weepholes, and "RFC" 7" diameter reinforced combined stainless steel cover with plug and surface membrane clamp.

CO9 CLEANOUTS – FLOATING FLOORS

Cleanouts in finished floor - shall be MIFAB C1200-C-R-3 round top or C1200-C-S square top with heavy-duty load bearing combined stainless steel cover with plug.

Cleanouts in unfinished areas - shall be MIFAB C1200-C-XR-4 round top with heavy duty load bearing combined ductile iron cover with plug.

CO10 CLEANOUTS – WATERPROOFED FLOORS

Cleanouts in waterproofed floors - shall be C1000-C as described above except with an integral membrane clamp ring for waterproofing membrane. (Add "-C" to each of the Series numbers above)

HYDRANTS

HY1 HYDRANTS – NON FREEZE – EXPOSED

MIFAB Series MHY-10 __ (specify length) A.S.S.E. 1019-B certified exposed type, self draining, non-freeze wall hydrant with A.S.S.E. 1011 approved anti-siphon and vandal resistant integral vacuum breaker with 3/4" (19) male hose connection. Hydrant assembly complete with neoprene plunger to control both the flow and drain functions, hardened bronze operating stem, drain port under the hexagon nut, heavy duty brass casing, heavy duty chrome plated bronze head casting, 360° swivel inlet connection (1/2" sweat, 3/4" I.P.S.) and polished chrome plated face plate. Operating key to be furnished with each hydrant.

HY2 HYDRANTS – NON FREEZE – ENCASED

MIFAB Series MHY-20 __ (specify length) A.S.S.E. 1019-B certified encased type, self draining, non-freeze wall hydrant with A.S.S.E. 1011 approved anti-siphon and vandal resistant integral vacuum breaker with 3/4" (19) male hose connection. Hydrant assembly complete with neoprene plunger to control both the flow and drain functions, hardened bronze operating stem, drain port under the hexagon nut, heavy duty brass casing, heavy duty chrome plated bronze head casting, 360° swivel inlet connection (1/2" sweat, 3/4" I.P.S.) and polished chrome plated face plate and cast 304 stainless steel box with hinged locking cover and drip lip. Operating key to be furnished with each hydrant.

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HY3 HYDRANTS – MODERATE CLIMATE – EXPOSED

MIFAB Series MHY-50 exposed type, self draining, moderate climate wall hydrant with A.S.S.E. 1011 certified anti-siphon and vandal resistant integral vacuum breaker with 3/4" (19) male hose connection. Hydrant assembly complete with one piece neoprene plunger to control the flow function, hardened bronze operating stem, heavy duty chrome plated bronze head casting, 360° swivel inlet connection (1/2" sweat, 3/4" I.P.S.) and polished chrome plated face plate. Operating key to be furnished with each hydrant.

HY4 HYDRANTS – MODERATE CLIMATE – ENCASED

MIFAB Series MHY-55 encased type, self draining, moderate climate wall hydrant with A.S.S.E. 1011 certified anti-siphon and vandal resistant integral vacuum breaker. Hydrant assembly complete with one piece neoprene plunger to control the flow function, hardened bronze operating stem, heavy duty chrome plated bronze head casting, 360° swivel inlet connection (1/2" sweat, 3/4" I.P.S.) and polished chrome plated face plate and cast 304 stainless steel box with hinged locking cover and drip lip. Operating key to be furnished with each hydrant.

HY5 HYDRANTS – INTERIOR WALL FAUCET – EXPOSED

MIFAB Series MHY-90 exposed type, mild climate, anti-contamination wall faucet with 3/4" (19) male hose connection and anti-siphon vacuum breaker. Exterior finish to be polished chrome plated, operating handle to be loose tee key and inlet connection to be (specify 1/2" (13) or 3/4" (19) F.P.T.). Vacuum breaker to be certified to the A.S.S.E. Standard 1011 and listed by I.A.P.M.O. (**For encased type, use MIFAB MHY-95**).

BACKWATER VALVES

BWV1 BACKWATER VALVES – IN LINE HORIZONTAL

Cast Iron Horizontal Backwater Valve

MIFAB Series BV1000 lacquered cast iron backwater valve with gasketed cover and removable bronze seat and flapper.

BWV2 BACKWATER VALVES – IN LINE HORIZONTAL WITH FLOOR ACCESS

Cast Iron Backwater Valve with Floor Level Nickel Bronze Access Cover

MIFAB Series BV1200-R lacquered cast iron backwater valve with gasketed cover, removable bronze seat, flapper and adjustable cast iron body and collar with satin finished floor level nickel bronze access cover. Soil pipe extension to be supplied by others.

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BWV3 BACKWATER VALVES – ACCESS HOUSING

Epoxy Coated Access Housing and Cover for Deep Rough In

MIFAB Series BV1280 powder epoxy coated 10 gauge fabricated steel access cover and housing with gasketed, non skid, reinforced steel cover for deep rough in.

TRAP SEAL PRIMERS

TP1 TRAP SEAL PRIMERS – CONTINUOUS FLOW

MIFAB model MI-TSP-1 brass trap seal primer with removable poppet, integral vacuum breaker, gasketed access cover, 1/2" (13) N.P.T. inlet and outlet connections, complete with 1/2" (13) sweat connection adaptors and 1/2" (13) drip line connection.

TP2 TRAP SEAL PRIMERS – PRESSURE DROP TYPE

M-500 Series - Pressure Drop Activated Trap Seal Primer

MIFAB model MR-500 pressure drop activated brass trap seal primer, with inlet opening of 1/2" (13) male N.P.T. and outlet opening of female 1/2" (13) N.P.T. Complete with four view holes and removable filter screen. Serves up to 6 floor drain traps and requires no adjustments and no air pre-charge.

MIFAB model M1-500 pressure drop activated brass trap seal primer, with inlet opening of 1/2" (13) male N.P.T. and outlet opening of female 1/2" (13) N.P.T. Complete with four view holes and removable filter screen. Serves up to 10 floor drain traps and requires no adjustments and no air pre-charge.

MIFAB model M2-500 pressure drop activated brass trap seal primer, with inlet opening of 1/2" (13) male N.P.T. and outlet opening of female 1/2" (13) N.P.T. Complete with four view holes and removable filter screen. Serves up to 3 floor drain traps and requires no adjustments and no air pre-charge.

TP3 TRAP SEAL PRIMERS – DISTRIBUTION MANIFOLD

MIFAB model MI-DU trap seal primer distribution unit with four 3/8" (10) F.P.T. brass nipple outlet connections to serve either 2, 3, or 4 floor drain traps and a 1/2" (13) M.P.T. inlet connection. Unit complete with four 1/4" (6) diameter vent holes in the lid and three 1/8" (3) diameter Phillips Head screws to secure the lid to the body.

TP4 TRAP SEAL PRIMER – CONNECTION ADAPTERS

MIFAB Series MI-6 __ ABS or PVC (specify) schedule #40 D.W.V. P-Trap trap seal primer connector, with 2" (50) 3" (75), or 4" (100) (specify) pipe connections, and a 1/2" (13) or 5/8" (16) (specify) brass compression fitting connection to attach to a trap seal primer water supply line. The MIFAB MI-600 Series of P-Trap trap seal primer connectors meet the ASTM D-2661 and ASTM D-2665 Standards.

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ACCESS DOORS

ACD1 ACCESS DOORS – UNIVERSAL FOR WALLS AND CEILINGS

Material - **UA Series** is 14 gauge satincoat steel door and 16 gauge satincoat steel frame. Finish - Satincoat steel doors have a primed white finish. Stainless steel doors have a #4 brush satin finish. Door - Flush to frame. Turned back around edges for extra rigidity. Frame - The frame has pre-punched mounting holes for simple installation. Hinge - Concealed pivot pins.

ACD2 ACCESS DOORS – RECESSED FOR TILE AND DRYWALL

Material - **CAD Series** is 14 gauge satincoat steel door and 14 gauge satincoat steel frame. Finish - Satincoat steel doors have a primed white finish. Door - Recessed 5/8" (15) door pan to accept tile, drywall or other finishing materials. Frame - Flush to surface. Hinge - Concealed pivot rod. Latch - Standard - Flush mounted, screwdriver operated cam.

ACD3 ACCESS DOORS – FIRE RATED – INSULATED AND UNINSULATED

Material - **MPFR Series** is 20 gauge satincoat steel door and 16 gauge satincoat steel frame. Finish - Satincoat steel doors have a primed white finish. Door - Flush to frame. Self-closing. Can be opened from the inside or back of the door with MIFAB's unique thumb turn latch. Frame - Four piece welded frame with masonry mounting straps. Hinge - Concealed pivot pins. Spring - Heavy duty. An extra spring is provided with every door greater than 14" x 14" (356 x 356) or ceiling installation. Both springs must be attached to the door to ensure that the door will close when installed in the ceiling. Latch - Standard - Flush mounted, interchangeable turn ring operator and key operator latch.

Fire Rating - Underwriters Laboratories "B" label. 1-1/2 hours for walls. Warnock Hersey 1 hour combustible ceilings and walls, 2 hour non-combustible ceilings, and 3 hour non-combustible walls. Ceiling fire ratings are up to and including the 24" x 36" (610 x 914) size.

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INTERCEPTORS

INT1 INTERCEPTORS – GREASE INTERCEPTOR – STANDARD

MIFAB Series MI-G sanitary powder epoxy coated inside and outside fabricated 10 gauge steel grease interceptor with flow rating of ____ (indicate) and grease holding capacity of ____ (indicate).

Unit shall include: removable baffle assembly and cross bar, deep seal trap covered by lid, securing bolt(s), flow control fitting, internal air relief bypass and steel powder epoxy coated, non skid, rectangular gasketed lid(s). Interceptor shall be tested and certified to the P.D.I. standard PDI-G101 and be so marked.

INT2 INTERCEPTORS – GREASE INTERCEPTOR – LOW ROUGH IN

MIFAB Series MI-G-L __ sanitary powder epoxy coated inside and outside fabricated 10 gauge steel grease interceptor with flow rating of ____ (indicate) and grease holding capacity of ____ (indicate).

Unit shall include: removable baffle assembly and cross bar, securing bolt(s), flow control fitting, internal air relief bypass and steel powder epoxy coated rectangular gasketed lid.

INT3 INTERCEPTORS – GREASE INTERCEPTOR – ELECTRONIC

Mifab Series ME-G ____ (Specify Size) Electronic Grease interceptors to be of fabricated 10 gage epoxy coated steel construction with failsafe electronic controls, including 115/24 VAC 12 VA, class II transformer, epoxy encapsulated multi-level probe assembly, failsafe knife edge valve on inlet side, compact control panel with 3 position switch, multilevel LED display, diagnostic LED's audible alarm and auxillary contacts for remote alarm/control functions. Unit shall include: removable baffle assembly and cross bar, deep seal trap covered by lid, securing bolt(s), flow control fitting, internal air relief bypass and epoxy coated steel non skid, rectangular gasketed lid(s). Interceptor extensions to be supplied as required.

INT4 INTERCEPTORS – OIL INTERCEPTOR – STANDARD

MIFAB Series MI-O __ (Specify Size) sanitary powder epoxy coated inside and outside fabricated 10 gauge steel oil interceptor.

Unit to include: sediment bucket with perforated baffle near inlet, deep seal trap covered by lid, securing bolt(s), removable baffle assembly and cross bar, stainless steel calibrated orifice plate, adjustable automatic draw-off assembly, double vent connections on each side, and steel powder epoxy coated non skid rectangular lid.

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INT5 INTERCEPTORS – OIL INTERCEPTOR – C/W INTEGRAL HOLDING TANK

MIFAB Series MI-O-HU __ (Specify Size) sanitary powder epoxy coated inside and outside fabricated 10 gauge steel oil interceptor.

Unit to include: sediment bucket with perforated baffle near inlet, deep seal trap covered by lid, securing bolt(s), removable baffle assembly and cross bar, stainless steel calibrated orifice plate, adjustable automatic draw-off assembly, double vent connections on each side, and steel powder epoxy coated non skid rectangular lid(s). Unit comes complete with integral holding tank for additional waste oil storage.

INT6 INTERCEPTORS – OIL INTERCEPTOR – ELECTRONIC

MIFAB ME-O ____ (Specify Size) Electronic Oil interceptor to be of fabricated 10 gage epoxy coated steel construction with failsafe electronic controls, including 115/24 VAC 12 VA, class II transformer, epoxy encapsulated multi-level probe assembly, failsafe knife edge valve on inlet side, compact control panel with 3 position switch, multilevel LED display, diagnostic LED's audible alarm and auxillary contacts for remote alarm/control functions. Unit to include: sediment bucket with perforated baffle near inlet, deep seal trap covered by lid, securing bolt(s), removable baffle assembly and cross bar, stainless steel calibrated orifice plate, adjustable automatic draw-off assembly, double vent connections on each side, and epoxy coated steel non skid rectangular lid(s).

INT7 INTERCEPTORS – SEDIMENT – LARGE

MIFAB Series MI-SOLID-L sanitary powder epoxy coated inside and outside fabricated 10 gauge steel solids interceptor.

Unit shall include: removable perforated sediment screen with bucket and a steel powder epoxy coated, non skid, rectangular gasketed cover, secured by a single recessed bolt.

INT8 INTERCEPTORS – SEDIMENT – MEDIUM

MIFAB Series MI-SOLID-M sanitary powder epoxy coated inside and outside fabricated 10 gauge steel solids interceptor.

Unit shall include: removable perforated sediment screen with bucket and a steel powder epoxy coated, non skid, rectangular gasketed cover, secured by a single recessed bolt.

INT9 INTERCEPTORS – SEDIMENT – SMALL

MIFAB Series MI-SOLID-S sanitary powder epoxy coated inside and outside fabricated 10 gauge steel solids interceptor.

Unit shall include: removable perforated sediment screen with bucket and a gasketed steel lid secured by a single recessed bolt.

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INT10 INTERCEPTORS – HAIR

MIFAB Series MI-HAIR sanitary epoxy coated inside and outside cast iron hair interceptor.

Unit shall include: 1-1/2" (38) slip joint elbow inlet and 1-1/2" (38) threaded side outlet, perforated basket removable from bottom, with gasketed cleanout cover.

CARRIERS

WC1 CLOSET CARRIER – SINGLE HORIZONTAL – ADJUSTABLE

MIFAB Series MC-10-L/R single horizontal adjustable water closet carrier with lacquered cast iron fitting, 4" (100) no hub waste and 2" (50) no hub vent connection, lacquered cast iron face plate and ductile iron foot supports, adjustable ABS nipple with integral test cap and neoprene bowl gasket, plated hardware and polished cap nuts.

WC2 CLOSET CARRIER – DOUBLE HORIZONTAL – ADJUSTABLE

MIFAB Series MC-10D double horizontal adjustable water closet carrier with lacquered cast iron fitting, 4" (100) no hub waste and 2" (50) no hub vent connection, lacquered cast iron face plate and ductile iron foot supports, adjustable ABS nipple with integral test cap and neoprene bowl gasket, plated hardware and polished cap nuts.

WC3 CLOSET CARRIER – THIN WALL SINGLE VERTICAL – ADJUSTABLE

MIFAB Series MC-15-L/R single fixed vertical water closet carrier with offset lacquered cast iron fitting, 4" (100) no hub waste and 2" (50) no hub vent connections, lacquered cast iron face plate and ductile iron foot supports, adjustable ABS nipple with integral test cap and neoprene bowl gasket, plated hardware and polished cap nuts.

WC4 CLOSET CARRIER – THIN WALL DOUBLE VERTICAL – ADJUSTABLE

MIFAB Series MC-15D back to back fixed vertical water closet carrier with offset lacquered cast iron fitting, 4" (100) no hub waste and 2" (50) no hub vent connections, lacquered cast iron face plate and ductile iron foot supports, adjustable ABS nipple with integral test cap and neoprene bowl gasket, plated hardware and polished cap nuts.

WC5 CLOSET CARRIER – THIN WALL SINGLE VERTICAL – NON ADJUSTABLE

MIFAB Series MC-14 single fixed vertical water closet carrier with lacquered cast iron fitting, 3" (75) or 4" (100) no hub waste and 2" (50) or 4" (100) no hub vent connections, lacquered cast iron face plate and ductile iron foot supports, adjustable ABS nipple with integral test cap and neoprene bowl gasket, plated hardware and polished cap nuts.

MIFAB Master Specification

WC6 CLOSET CARRIER – VERTICAL WATER CLOSET CARRIER - ADJUSTABLE

MIFAB Series MC-13L/R vertical adjustable closet carrier with lacquered cast iron fitting to be installed inline, on stack, where one or more side inlets are required. Carrier complete with side inlets, ductile iron foot supports and face plate invertible for syphon jet or blow out water closets. Integral test cap, plated hardware and neoprene gaskets and polished cap nuts included.

LC1 LAVATORY CARRIER – CONCEALED ARM – REGULAR - WHEELCHAIR

MIFAB Series MC-41/MC-42 floor mounted concealed arm lavatory carrier with heavy gauge rectangular steel uprights, with integral welded feet, adjustable ductile iron concealed arms, with leveling screws, and basin locking device, heavy duty cast iron supports, upper tie rod, and plated hardware.

LC2 LAVATORY CARRIER – SEMI PEDESTAL BASIN

MIFAB Series MC-41-Z floor mounted concealed arm lavatory carrier with heavy gauge rectangular steel uprights, with integral welded feet, adjustable ductile iron concealed arms, with leveling screws, and basin locking device, heavy duty cast iron supports, upper tie rod, and plated hardware. Lower bearing plate designed specifically for semi pedestal basin.

LC3 LAVATORY CARRIER – EXPOSED ARM

MIFAB Series MC-40 floor mounted exposed arm lavatory carrier with heavy gauge steel uprights with integral welded feet, heavy duty support arms on heavy duty cast iron brackets, upper tie rod, and plated hardware.

UC1 URINAL/COOLER CARRIER (SINGLE PLATE SYSTEM)

MIFAB Series MC-31 with universal fixture hanger support plate, floor mounted carrier with heavy gauge steel uprights with integral welded feet.

UC2 URINAL/COOLER CARRIER (DUAL PLATE SYSTEM)

MIFAB Series MC-32 with universal fixture hanger support plate, lower plate with bearing studs, floor mounted carrier with heavy gauge steel uprights with integral welded feet.