FD-1	FIXTURE FLOOR DRAIN w/ ROUND STRAINER & TRAP PRIMER		WATER		NOTES MIFAB TRAP PRIMER # MR-500	OPTIONS FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-5- 1-7
FD-2	FLOOR DRAIN w/ ROUND STRAINER	2"	-	MIFAB # F1102-5-1 CAST IRON DRAIN, w/ 5" DIA. NICKEL BRONZE STRAINER		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-5-1
FD-3	FLOOR DRAIN w/ STAINLESS STEEL ROUND STRAINER	2"	-	MIFAB # F1102-5-3 CAST IRON DRAIN, w/ 5" DIA. ROUND 7,499 LB. LOAD RATED STAINLESS STEEL STRAINER		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-5-3
FD-4	FLOOR DRAIN w/SQUARE STRAINER & TRAP PRIMER	2"	1/"	MIFAB # F1102-S5-1-7 CAST IRON DRAIN, w/ 5" SQUARE NICKEL BRONZE STRAINER	MIFAB TRAP PRIMER # MR-500	FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-S5-1-7
FD-5	FLOOR DRAIN w/SQUARE STRAINER	2"	-	MIFAB # F1102-S5-1 CAST IRON DRAIN, w/ 5" SQUARE NICKEL BRONZE STRAINER		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-S5- 1
FD-6	FLOOR DRAIN w/ STAINLESS STEEL SQUARE STRAINER	2"	-	MIFAB # F1102-S5-3 CAST IRON DRAIN, w/ 5" SQUARE 7,499 LB. LOAD RATED STAINLESS STEEL STRAINER		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-S5-3
FD-7	FLOOR DRAIN w/ 8" DIA. ROUND STAINLESS STEEL STRAINER	4"	-	MIFAB # F1104-8-3 CAST IRON DRAIN, w/ 8" DIA. ROUND 7,499 LB. LOAD RATED STAINLESS STEEL STRAINER		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1104-C-8-3
FD-8	FLOOR DRAIN w/ FUNNEL & TRAP PRIMER	2"	1/,"	MIFAB # F1102-EF-1 CAST IRON DRAIN, w/ 5" DIA. NICKEL BRONZE STRAINER & FUNNEL	MIFAB TRAP PRIMER # MR-500	FOR MEMBRANE FLOORS PROVIDE MIFAB # F1102-C-EF-1
FS-1	FLOOR SINK, 8" Dia. w/ THREE QUARTER ROUND GRATE	2"		MIFAB # FS1752-175 8" DIA. x 6" DEEP ENAMELD CAST IRON FLOOR SINK w/ 3/4 GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # FS1752-FL-C-175
FS-2	FLOOR SINK, 12" Dia. w/ THREE QUARTER ROUND GRATE	2"		MIFAB # FS1762-175 12" DIA. x 8" DEEP ENAMELD CAST IRON FLOOR SINK w/ 3/4 GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # FS1762-FL-C-175
FS-3	FLOOR SINK, 8" Sq. w/ THREE QUARTER SQUARE GRATE	2"		MIFAB # FS1522-175 8" x 8" x 6" DEEP ENAMELD CAST IRON FLOOR SINK w/ 3/4 GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # FS1522-FL-C-175
FS-4	FLOOR SINK, 12" Sq. w/ HALF GRATE	2"		MIFAB # FS1722-150 12" x 12" x 6" DEEP ENAMELD CAST IRON FLOOR SINK w/ HALF GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # FS1722-FL-C-150
FS-5	FLOOR SINK, 12" Sq. w/ HALF GRATE	4"		MIFAB # FS1734-150 12" x 12" x 8" DEEP ENAMELD CAST IRON FLOOR SINK w/ HALF GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # FS1734-FL-C-150
AD-1	AREA DRAIN w/ 8" SQUARE STAINLESS STEEL STRAINER	4"	-	MIFAB # F1104-S8-3 CAST IRON DRAIN, w/ 8" SQUARE 7,499 LB. LOAD RATED STAINLESS STEEL STRAINER		FOR MEMBRANE FLOORS PROVIDE MIFAB F1004-C-S8-3
AD-2	AREA DRAIN w/ DUCTILE IRON ROUND STRAINER	2"	1/2"	MIFAB # F1303-4 CAST IRON DRAIN, w/ 7" DIA. ROUND 10,000 LB. DUCTILE IRON GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1303-C-4
AD-3	AREA DRAIN w/ DUCTILE IRON ROUND STRAINER	3"	-	MIFAB # F1324-4 CAST IRON DRAIN, w/ 9" DIA. ROUND 10,000 LB. DUCTILE IRON GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1324-C-4
AD-4	AREA DRAIN w/ DUCTILE IRON ROUND STRAINER	4"	-	MIFAB # F1344-4 CAST IRON DRAIN, 12-3/4" ROUND 10,000 LB. DUCTILE IRON GRATE		FOR MEMBRANE FLOORS PROVIDE MIFAB # F1344-C-4
AD-5	AREA DRAIN w/ DUCTILE IRON ROUND STRAINER	6"	-		FOR UNDER-DECK CLAMP PROVIDE MIFAB # F1366-C-4-40	FOR MEMBRANE FLOORS PROVIDE MIFAB # F1366-C-4
CO-1	FLOOR CLEANOUT w/ 5" DIA. ROUND NICKEL BRONZE COVER	2", 3", 4"	-	MIFAB # C1222-R-1 CAST IRON FERRULE CLEANOUT BODY w/ ADJ. 5" DIA. NICKEL BRNZ. COVER AND 3½" BRASS PLUG		3" LINE SIZE: C1223-R-1 4" LINE SIZE: C1224-R-1
CO-2	FLOOR CLEANOUT w/ 5" DIA. ROUND STAINLESS STEEL COVER	6"- 8"	-	MIFAB # C1226-4 CAST IRON CLEANOUT BODY w/ ADJ. 8" DIA. 10,000LB DUCTILE IRON COVER AND BRASS PLUG		FOR 8" LINE SIZE: C1228-4
CO-3	FLOOR CLEANOUT w/ 5" SQUARE NICKEL BRONZE COVER	2"	-	MIFAB # C1102-S-1 CAST IRON CLEANOUT BODY w/ ADJUSTABLE 5" SQUARE NICKEL BRONZE COVER		FOR MEMBRANE FLOORS PROVIDE # C1102-C-S-1 FOR 4" LINE USE C1104-S-1
CO-4	FLOOR CLEANOUT w/ 5" SQUARE STAINLESS STEEL COVER	2"	-	MIFAB # C1002-S-3 CAST IRON CLEANOUT BODY w/ ADJUSTABLE 5" SQUARE 7,499 lb RATED STAINLESS STEEL COVER		FOR MEMBRANE FLOORS PROVIDE # C1002-C-S-3 FOR 4" LINE USE C1104-S-3
CO-5	WALL CLEANOUT w/ 6" DIA. ROUND STAINLESS STEEL COVER	-	-	MIFAB # C1434-RD6 6" DIA. STAINLESS STEEL WALL CLEANOUT COVER, WITH THREADED BRONZE LINE PLUG		
				1	L	

ITEM	FIXTURE DECK DRAIN w/ 8" SQUARE	WASTE	WATER	DESCRIPTION MIFAB # F1104-S8-3 CAST IRON DRAIN, w/ 8"	NOTES FOR NICKEL BRONZE SQUARE STRAINER	OPTIONS FOR MEMBRANE FLOORS PROVIDE
DD-1	STAINLESS STEEL STRAINER	4"	-	SQUARE 7,499 LB. LOAD RATED STAINLESS STEEL STRAINER	USE # F1104-S8-1	MIFAB F1004-C-S8-3
RD-1	8" DIA. ROOF DRAIN	2"	-	MIFAB # R1102-M-B-U, 8" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI R1102-EU-M
RD-2	8" DIA. ROOF DRAIN	3"	-	MIFAB # R1103-M-B-U, 8" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP	MIFAB EXPANSION COUPLING # R1903	FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAIL R1103-EU-M
RD-3	8" DIA. ROOF DRAIN	4"	-	MIFAB # R1104-M-B-U, 8" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAIL R1104-EU-M
RD-4	8" DIA. ROOF DRAIN CONDENSATE RECEIVER	2"	-	MIFAB # R1102-RS-B-U 8" DIA. CAST IRON DRAIN, w/ NICKEL BRONZE STRAINER EXTERNAL DAM	MIFAB EXPANSION COUPLING # R1902	
RD-5	8" DIA. ROOF DRAINS w/ OVERFLOW DRAIN COMBINATION	2"	-	MIFAB # R1152-M-U , 12 x 24 SUMP RECEIVER, CAST IRON DRAINS, WITH OVERFLOW, METAL DOMES, UNDERDECK		
RD-6	8" DIA. ROOF DRAINS w/ OVERFLOW DRAIN COMBINATION	4"	-	MIFAB # R1154-M-U , 12 x 24 SUMP RECEIVER, CAST IRON DRAINS WITH OVERFLOW, METAL DOMES, UNDERDECK		
RD-9	15" DIA. ROOF DRAIN	4"	-	MIFAB # R1204-M-B-U , 15" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP	COUPLING # R1904	FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI R1204-EU-M
RD-10	15" DIA. ROOF DRAIN	5"	-	MIFAB # R1205-M-B-U , 15" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAIL R1205-EU-M
RD-11	15" DIA. ROOF DRAIN	6"	-	MIFAB # R1206-M-B-U , 15" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDEC		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI
RD-12	15" DIA. ROOF DRAIN	8"	-	MIFAB # R1208-M-B-U, 15" DIA. CAST IRON DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDEC		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI
RD-13	16" DIA. HIGH FLOW ROOF DRAIN	10"	-	MIFAB # R1261-M-B-U , 16" DIA. CAST IRON HIGH FLOW ROOF DRAIN, w/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI MIFAB MODEL R1261-EU-M
OD-1	8" DIA ROOF DRAIN OVERFLOW DRAIN	2"	-	MIFAB # R1102-R-M-B-U 8" DIA. CAST IRON DRAIN w/ METAL DOME, 2" WATER DAM, SUMP RECEIVER & UNDERDECK CLAMP	(2) MIFAB EXPANSION COUPLING # R1902	FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAIL MIFAB MODEL R1102-EU-R-M
OD-2	8" DIA ROOF DRAIN OVERFLOW DRAIN	4"	-	MIFAB # R1104-R-M-B-U 8" DIA. CAST IRON DRAIN w/ METAL DOME, 2" WATER DAM, SUMP RECEIVER & UNDERDECK CLAMP	(2) MIFAB EXPANSION COUPLING # R1902	FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI MIFAB MODEL R1104-EU-R-M
OD-5	15" DIA ROOF DRAIN OVERFLOW DRAIN	4"	-	MIFAB # R1204-R-M-B-U 15" DIA. CAST IRON DRAIN w/ METAL DOME, 2" WATER DAM, SUMP RECEIVER & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI MIFAB MODEL R1204-EU-R-M
OD-6	15" DIA ROOF DRAIN OVERFLOW DRAIN	6"	-	MIFAB # R1206-R-M-B-U 15" DIA. CAST IRON DRAIN w/ METAL DOME, 2" WATER DAM, SUMP RECEIVER & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAIL MIFAB MODEL R1206-EU-R-M
OD-7	15" DIA ROOF DRAIN OVERFLOW DRAIN	8"	-	MIFAB # R1208-R-M-B-U 15" DIA. CAST IRON DRAIN w/ METAL DOME, 2" WATER DAM, SUMP RECEIVER & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI MIFAB MODEL R1208-EU-R-M
OD-8	16" DIA. HIGH FLOW OVERFLOW DRAIN	10"	-	MIFAB # R1261-R-M-B-U , 16" DIA. CAST IRON HIGH FLOW OVERFLOW DRAIN, W/ METAL DOME, SUMP RECEIVER, & UNDERDECK CLAMP		FOR INVERTED MEMBRANE & INSULATION, USE EXTENDED ROOF DRAI MIFAB MODEL R1261-EU-R-M

ITEM	FIXTURE	WATER	DESCRIPTION	NOTES	OPTIONS
TP-1	TRAP PRIMER	1/2"	MIFAB # MR-500 PRESSURE DROP ACTIVATED TRAP SEAL PRIMER	PROVIDE ACCESS PANEL: MIFAB UA12X12SS	FOR DISTRIBUTION TO MULTIPLE DRAINS PROVIDE MIFAB # MI-DU
WHA-1	WATER HAMMER ARRESTOR	1/2"	MIFAB # MWH-A PISTON OPERATED SEAMLESS COPPER WATER HAMMER ARRESTOR	PROVIDE ACCESS PANEL: MIFAB UA10X10SS	FOR WHITE PRIMER COATED STEEL ACCESS PANEL, USE MIFAB UA10X10
WHA-2	WATER HAMMER ARRESTOR	3/4"	MIFAB # MWH-B (for 1 to 11 fixture units) PISTON OPERATED SEAMLESS COPPER WATER HAMMER ARRESTOR	PROVIDE ACCESS PANEL: MIFAB UA10X10SS	FOR WHITE PRIMER COATED STEEL ACCESS PANEL, USE MIFAB UA10X10
WHA-3	WATER HAMMER ARRESTOR	1"	MIFAB # MWH-C (for 12 to 30 fixture units) PISTON OPERATED SEAMLESS COPPER WATER HAMMER ARRESTOR	PROVIDE ACCESS PANEL: MIFAB UA10X10SS	U/L LISTED FIRE RATED ACCESS PANEL, MIFAB MODEL MPFR10X10SS
WHA-4	WATER HAMMER ARRESTOR	11⁄4"	MIFAB # MWH-D (for 31 to 60 fixture units) PISTON OPERATED SEAMLESS COPPER WATER HAMMER ARRESTOR	PROVIDE ACCESS PANEL: MIFAB UA10X10SS	U/L LISTED FIRE RATED ACCESS PANEL, MIFAB MODEL MPFR12X12SS
WHA-5	WATER HAMMER ARRESTOR	1½"	MIFAB # MWH-E (for 61 to 113 fixture units) PISTON OPERATED SEAMLESS COPPER WATER HAMMER ARRESTOR	PROVIDE ACCESS PANEL: MIFAB UA12X12SS	U/L LISTED FIRE RATED ACCESS PANEL, MIFAB MODEL MPFR12X12SS
WHA-6	WATER HAMMER ARRESTOR	2"	,	PROVIDE ACCESS PANEL: MIFAB UA12X12SS	U/L LISTED FIRE RATED ACCESS PANEL, MIFAB MODEL MPFR12X12SS
HB-1	HOSE BIBB WALL MOUNT w/ VACUUM BREAKER	3/4"	MIFAB # MHY-9041 3/4" FIP ROUGH BRASS	PROVIDE WITH LOOSE TEE KEY	
HB-2	HOSE BIBB WALL MOUNT w/ VACUUM BREAKER	3/,"	MIFAB # MHY-9241 3/4" FIP POLISHED CHROME PLATED BRASS	PROVIDE WITH LOOSE TEE KEY	
HB-3	HOSE BIBB RECESSED BOX w/ VACUUM BREAKER	3/,"	MIFAB # MHY-95 3/4" FIP ROUGH BRASS HOSE BIBB AND CAST BRASS RECESSED BOX	PROVIDE WITH LOOSE TEE KEY	
HB-4	HOSE HYDRANT RECESSED BOX W/ VACUUM BREAKER	3/4"	MIFAB # MHY-55 3/2" FIP POLISHED CHROME BRASS HYDRANT, NICKEL BRONZE BOX	PROVIDE WITH LOOSE TEE KEY	
HB-5	HOSE HYDRANT RECESSED BOX W/ VACUUM BREAKER	3/4"	MIFAB # MHY-55-3 3/4" FIP POLISHED CHROME BRASS HYDRANT, STAINLESS STEEL BOX	PROVIDE WITH LOOSE TEE KEY	

ITEM	FIXTURE CARRIER	WASTE	VENT	FIXTURE CARRIERS DESCRIPTION	NOTES	OPTIONS
WC-1	WALL-HUNG WATER CLOSET CARRIER (Horizontal Waste)	4"	2"	MIFAB # MC-10L/R SINGLE FLOOR SUPPORTED, LEFT/RIGHT-HAND HORIZONTAL WASTE, ADJUSTABLE WATER CLOSET CARRIER, 4" NO- HUB, 2" VENT	FOR ADA HEIGHT FIXTURES LOCATED IN THE MIDDLE OF A	FOR AN ADDITIONAL 2" VENT/INLET USE MC-10L/R-27. FOR CAST IRON 4" x 8" FLUSH CONNECTION NIPPLE USE MC-10L/R-CI-8
WC-2	BACK-TO-BACK WALL-HUNG WATER CLOSET CARRIER (Horizontal Waste)	4"	2"	MIFAB # MC-10L/R-D BACK-TO-BACK FLOOR SUPPORTED, LEFT/RIGHT- HAND HORIZONTAL WASTE, ADJUSTABLE WATER CLOSET CARRIER, 4" NO-HUB, 2" VENT	I .	FOR CAST IRON 4" x 8" FLUSH CONNECTION NIPPLE USE MC-10L/R-D-CI-8
WC-3	WALL-HUNG WATER CLOSET CARRIER (Vertical Waste)	4"	2"	MIFAB # MC-13L/R SINGLE FLOOR SUPPORTED ADJUSTABLE WATER CLOSET CARRIER, WITH VERTICAL WASTE, AND WITH LEFT/RIGHT- HAND INLET, WITH 4" NO-HUB CONNECTIONS, 2" VENT		FOR CAST IRON 4" x 8" FLUSH CONNECTION NIPPLE USE MC-10L/R-CI-8
WC-4	BACK-TO-BACK WALL-HUNG WATER CLOSET CARRIER (Vertical Waste)	4"	2"	MIFAB # MC-13L/R-D BACK-TO-BACK FLOOR SUPPORTED ADJUSTABLE WATER CLOSET CARRIER, WITH VERTICAL WASTE, AND WITH LEFT/RIGHT-HAND INLET, WITH 4" NO-HUB CONNECTIONS, 2" VENT		FOR CAST IRON 4" x 8" FLUSH CONNECTION NIPPLE USE MC-10L/R-D-CI-8
WC-5	WALL-HUNG WATER CLOSET CARRIER (Vertical Waste)	4"	2"	MIFAB # MC-12 FLOOR SUPPORTED, VERTICAL WASTE, ADJUSTABLE WATER CLOSET CARRIER, 4" NO- HUB, 2" VENT		FOR CAST IRON 4" x 8" FLUSH CONNECTION NIPPLE USE MC-10L/R-D-CI-8
WC-6	BACK-TO-BACK WALL-HUNG WATER CLOSET CARRIER (Vertical Waste)	4"	2"	MIFAB # MC-12D BACK-TO-BACK FLOOR SUPPORTED, VERTICAL WASTE, ADJUSTABLE WATER CLOSET CARRIER, 4" NO-HUB, 2" VENT		FOR CAST IRON 4" x 8" FLUSH CONNECTION NIPPLE USE MC-10L/R-D-CI-8
UR-1	WALL-HUNG URINALCARRIER	2"	2"	MIFAB # MC-32 FLOOR SUPPORTED URINAL CARRIER, ADJUSTABLE HANGER PLATE WITH ADDITIONAL SUPPORT BEARING PLATE,		FOR BACK-TO-BACK CARRIER ASSEMBLY USE # MC-32-D
L-1	WALL-HUNG CONCEALED ARM LAVATORY CARRIER	2"	2"	MIFAB # MC-41 FLOOR SUPPORTED ADJUSTABLE, CONCEALED ARM LAVATORY CARRIER		FOR BACK-TO-BACK CARRIER ASSEMBLY USE # MC-41-D
L-2	WALL-HUNG LAVATORY CARRIER	2"	2"	MIFAB # MC-31 FLOOR SUPPORTED ADJUSTABLE LAVATORY CARRIER		FOR BACK-TO-BACK CARRIER ASSEMBLY USE # MC-31-D
EWC- 1	SINGLE WALL-HUNG ELECTRIC WATER COOLER CARRIER	2"	2"	MIFAB # MC-31 FLOOR SUPPORTED ADJUSTABLE, ELECTRIC WATER COOLER CARRIER		
EWC-2	HI-LO WALL-HUNG ELECTRIC WATER COOLER CARRIER	2"	2"	MIFAB # MC-33 FLOOR SUPPORTED ADJUSTABLE, HIGH-LOW DUAL HEIGHT WATER COOLER CARRIER		



1321 W 119TH ST CHICAGO, IL 60643 hydromax@mifab.com

GENERAL NOTES :

PIPE MATERIAL :

REVISION DATE :

DESIGN RAINFALL RATE:

Project Name

PROJECT NO.

PROJECT DATE 09-02-2022

MIFAB DRAINS SAMPLE ENGINEERING SCHEDULE

P100