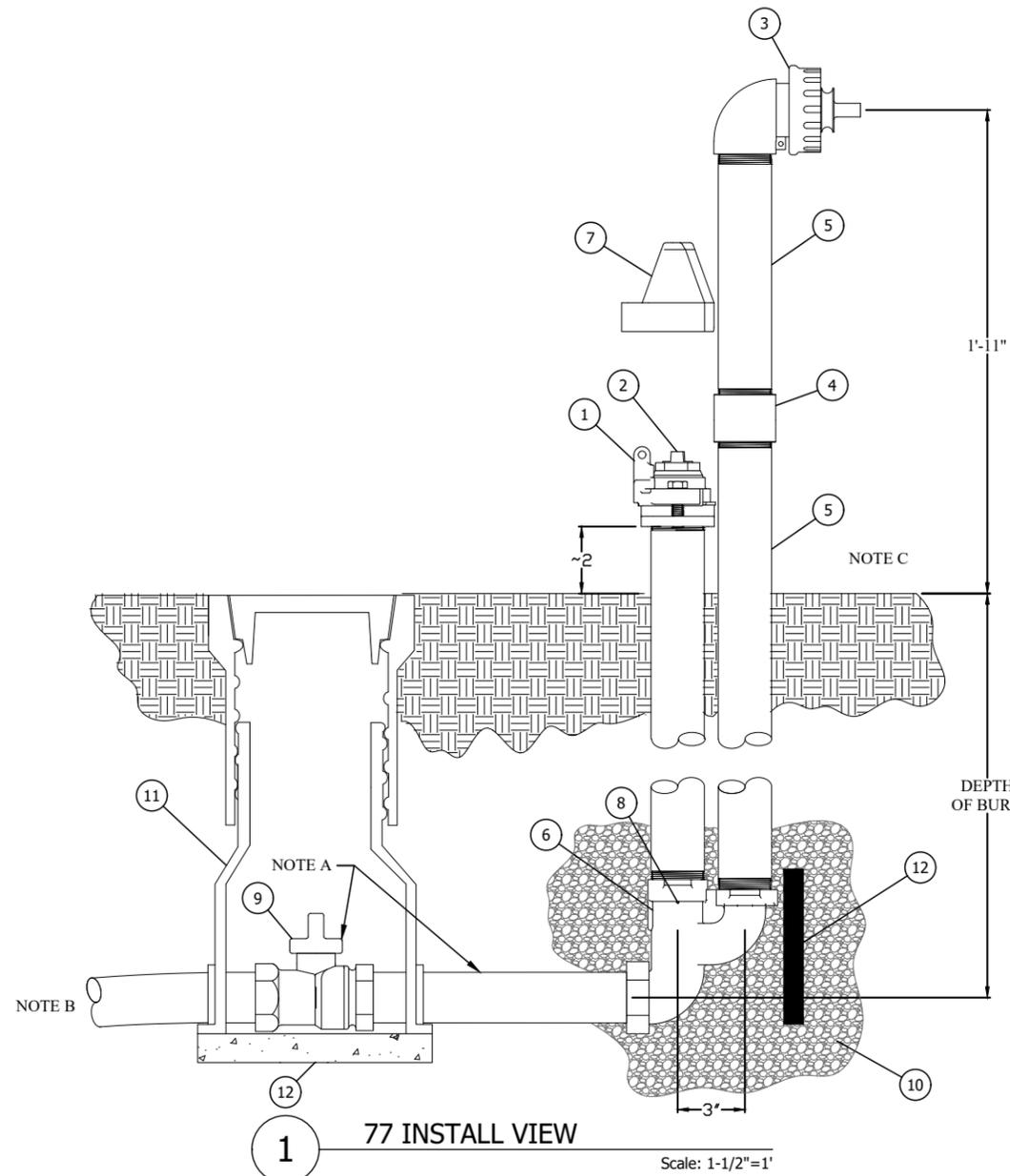
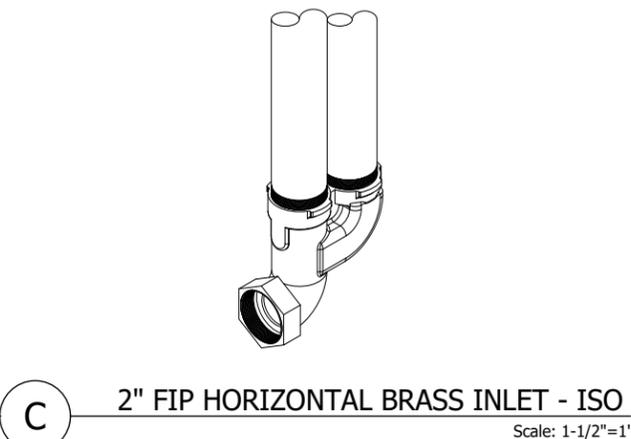
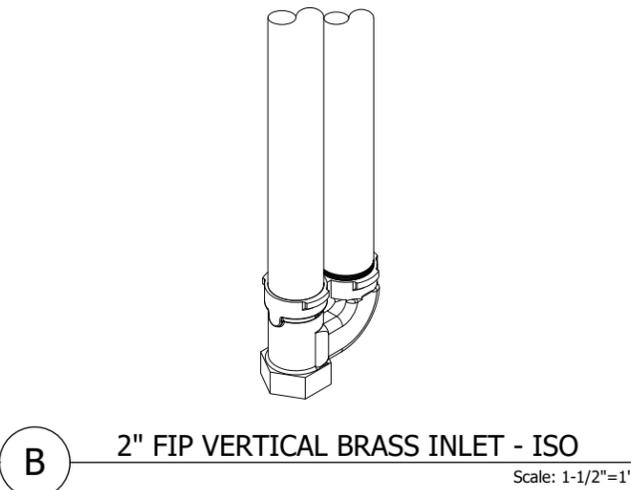
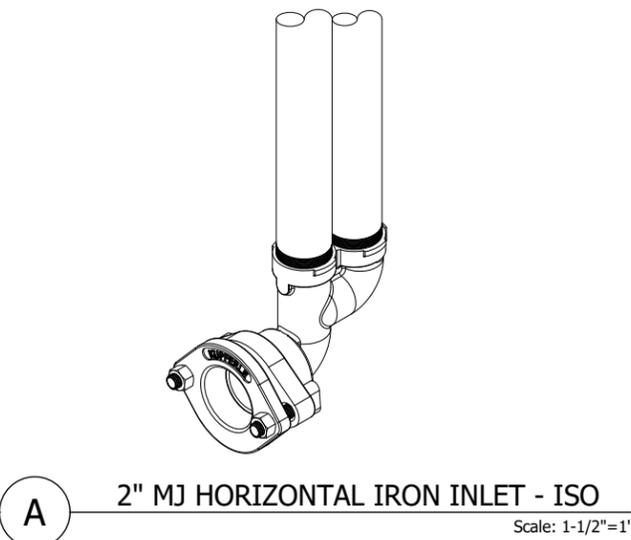


# #77 MAINGUARD BLOW-OFF HYDRANT SPEC SHEET

GENERAL HYDRANT SPECIFICATIONS	
MAXIMUM OPERATING PRESSURE:	220 PSI
HYDRANT COLOR:	RED STANDARD
CLOSED WETTED MATERIALS:	BUNA-N, Type 1 PVC, 18-8 S.S. & C89833 BRASS
DEPTH OF BURY:	3' STANDARD
WEIGHT:	54 LBS
NSF/ANSI:	NSF 372
REGULATORY COMPLIANCE:	

MAINGUARD Product Ordering Guide			
MODEL#	77	-	1 - 01 - 030 - 1 - 1 - 2 - R - 00
SUBSECTION	1	2	3 4 5 6 7 8 9
MODEL NUMBER ABOVE AS SHOWN IN VIEW 1			
SUBSECTION DESCRIPTION	MODEL #	SUBSECTION	DESCRIPTIONS
MODEL	1	77	ABOVE GRADE BLOW OFF HYDRANT
RISER	2	1	12" RISER (STANDARD)
		2	24" RISER
		3	30" RISER
		4	48" RISER
		N	NO RISER
NOZZLE OPTIONS	3	01	2-1/2" NST BRASS NOZZLE (STANDARD)
		02	2" NST BRASS NOZZLE
		03	1-1/2" NST BRASS NOZZLE
		04	2" MIP BRASS NOZZLE
		05	1-1/2" MIP BRASS NOZZLE
		0A	2" MNPT BRASS NOZZLE
		0B	1-1/2" MNPT BRASS NOZZLE
		X	CALL FOR CUSTOM
DEPTH OF BURY	4	XXX	XXX = FEET DEPTH OF BURY, ROUNDED TO NEAREST 0.5 FEET. 035 = 3-1/2' DOB
OPERATING ROD MATERIAL	5	1	GALVANIZED STEEL PIPE (STANDARD)
		2	STAINLESS STEEL PIPE
BARREL PIPE MATERIAL	6	1	EXTERNALLY FBE COATED STEEL PIPE (STANDARD)
		2	STAINLESS STEEL PIPE
INLET	7	1	2" FIP VERTICAL INLET
		2	2" FIP HORIZONTAL INLET
		3	2" MJ IRON INLET (E-COATED)
PAINT COLOR	8	R	RED (STANDARD)
		K	BLACK
		B	BLUE
		Y	YELLOW
		P	PURPLE
		W	WHITE
		X	CALL FOR CUSTOM
CUSTOM OPTIONS	9	00	NO CUSTOM OPTION
		01	DUST CAP
		02	STAINLESS PLUNGER
		03	90 DURO O-RINGS (PLUNGER)



ITEM	DESCRIPTION	NOTES
1	TOP CAP	
2	SLOTTED OPERATING NUT	
3	2-1/2" NST OUTLET NOZZLE AND CAP	
4	2" BREAKAWAY COUPLING	
5	2" EXTERNALLY FBE COATED PIPE	
6	HORIZONTAL INLET VALVE BODY	
7	LOCKING COVER	
8	DRAIN HOLE	
9	HYDRANT SHUT-OFF VALVE	
10	CRUSHED ROCK	
11	VALVE BOX	
12	SOLID CONCRETE BLOCK	

Mainguard Above Grade Flushing Hydrant shall be installed in the following location(s): \_\_\_\_\_

Mainguard #77 blow-off hydrant shall be self-draining non-freezing type with a \_\_\_\_\_' depth of bury. Hydrant shall be furnished with a (2" FIP horizontal, 2" FIP vertical, or 2" MJ horizontal) inlet connection. A non-turning operating rod shall open to the left with 4 to 6 rotations of the operating screw resulting in the hydrant being fully open. Outlet shall be 2-1/2" NST standard or smaller with cap and extend a minimum of 12" above the ground.

All water flow shall pass through a 2" externally FBE coated steel pipe and waterway. The operating drive mechanism shall raise and lower a PVC plunger to control the flow of water and shall be serviceable from above ground with no digging and shall operate with a standard universal slotted valve wrench. When open the flow of water shall be unobstructed and the drain hole shall be covered. All working parts shall be brass, galvanized steel or PVC.

Hydrant shall be set in 4 cubic feet of crushed stone to allow for proper drainage of hydrant. Recommendations of the AWWA should be followed when installing the hydrant

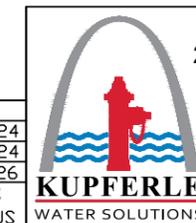
Unit model # shall be 77-X-XX-XXX-X-X-X-X-XX as specified in the product ordering guide as manufactured by Kupferle Foundry Company, St. Louis MO, or approved equal.

NOTES	
A	PIPING BY OTHERS.
B	FLUSH LINE BEFORE INSTALLATION.
C	GROUND LINE MAY VARY.
D	IN CORROSIVE SOLIDS THE BURIED PIPE SHOULD BE PREPPED FOR ADDITIONAL RESISTANCE TO CORROSION. KUPFERLE RECOMMENDS SPRAYING ALL UNDERGROUND PIPING AND FITTINGS WITH BITUMINOUS SPRAY TAR, ALLOWING PROPER TIME TO DRY AND WRAPPING THE PARTS.

DD/MM/YY	ISSUED FOR ...
DATE	STATUS / REVISION

#77 MAINGUARD BLOW OFF SPEC SHEET

	INITIALS	DATE
DRAWN	KJW	08/08/24
APPROVED	DCL	08/08/24
MODIFIED	KJW	02/16/26
SHEET SIZE	SCALE	
B (11x17)	VARIOUS	



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