

CLTWater STANDARD DETAILS

CMUD PUBLIC FIRE HYDRANTS

PRIVATE FIRE HYDRANTS

COLOR	SHADE
OSHA SAFETY YELLOW	
OSHA SAFETY BLUE	
OSHA SAFETY PURPLE	
OSHA SAFETY RED	
OSHA SAFETY GREEN	
OSHA SAFETY WHITE	

FIRE HYDRANT CLASSIFICATION	BARREL	SQUARE TOP / BONNET	STORZ PUMPER NOZZLE	IRON PUMPER NOZZLE	IRON HOSE NOZZLE
1 - FIRE PROTECTION	OSHA SAFETY YELLOW	OSHA SAFETY YELLOW	NOT PAINTED	OSHA SAFETY YELLOW	OSHA SAFETY YELLOW
2 - FIRE PROTECTION MUDDY FLOW	OSHA SAFETY YELLOW	OSHA SAFETY YELLOW	NOT PAINTED	OSHA SAFETY RED	OSHA SAFETY RED
3 - AIR RELEASE / BLOW-OFF	OSHA SAFETY BLUE	OSHA SAFETY BLUE	NOT PAINTED	OSHA SAFETY BLUE	OSHA SAFETY BLUE
4 - REUSE / RECLAIM	OSHA SAFETY PURPLE	OSHA SAFETY PURPLE	NOT PAINTED	OSHA SAFETY PURPLE	OSHA SAFETY PURPLE

CLASSIFICATION	BARREL	TOP / BONNET	STORZ PUMPER NOZZLE	IRON PUMPER NOZZLE	IRON HOSE NOZZLE
5 - PRIVATE THROUGH WATER METER	OSHA SAFETY YELLOW	OSHA SAFETY YELLOW	NOT PAINTED	OSHA SAFETY GREEN	OSHA SAFETY GREEN
6 - PRIVATE 1/2" METER AND FIRE BOOSTER PUMP	OSHA SAFETY YELLOW	OSHA SAFETY YELLOW	NOT PAINTED	OSHA SAFETY WHITE	OSHA SAFETY WHITE
7 - PRIVATE (1/2" AND SMALLER MAIN OR LIMITED SUPPLY)	OSHA SAFETY YELLOW	OSHA SAFETY YELLOW	NOT PAINTED	OSHA SAFETY BLUE	OSHA SAFETY BLUE
8 - PRIVATE (1/2" INCH OUTLET YARD HYDRANT)	OSHA SAFETY RED	OSHA SAFETY RED	N/A	N/A	OSHA SAFETY RED

CLASSIFICATION	RESIDUAL	BARREL	TOP / BONNET	PUMPER NOZZLE	HOSE NOZZLE
CLASS AA	100 OR GREATER	CHROME YELLOW	LIGHT BLUE	LIGHT BLUE	LIGHT BLUE
CLASS A	100 TO 499	CHROME YELLOW	GREEN	GREEN	GREEN
CLASS B	500 TO 999	CHROME YELLOW	ORANGE	ORANGE	ORANGE
CLASS C	LESS TO 500	CHROME YELLOW	RED	RED	RED

NOTES:
 A. PUBLIC FIRE HYDRANTS ARE (1) CONNECTED DIRECTLY TO CMUD WATER DISTRIBUTION SYSTEM (2) OWNED AND MAINTAINED BY CMUD, AND (3) LOCATED WITHIN THE ROAD RIGHT-OF-WAY OR CMUD WATER MAIN EASEMENT.
 B. PRIVATE FIRE HYDRANTS ALL NON-PUBLIC FIRE HYDRANTS, INCLUDING HYDRANTS SERVED VIA CMUD WATER METER, (2) SERVED VIA PRIVATE WATER SYSTEM, AND ARE (3) LOCATED OUTSIDE THE ROAD RIGHT-OF-WAY AND (4) PRIVATELY OWNED AND MAINTAINED.

NO. DESCRIPTION

1. ITRON 6.7" DIA. SHELF MOUNT ADAPTOR W/FOAM SPACERS
2. FOAM SPACERS 2 EA. (TYPICAL)
3. ITRON ERT TRANSMITTER
4. SUPPORT BRACKET (1/4" STEEL OR ALUMINUM PLATE)
5. DIAMOND PLATE DOOR LEAF
6. FILLET WELD SUPPORT BRACKET AT CORNERS
7. TRANSMITTER SLOTS - 4 EA. AS SHOWN

NOTES:
 A. ONE SUPPORT BRACKET REQUIRED FOR EACH METER IN VAULT.
 B. SELF MOUNT ADAPTER SHALL BE SNAPPED ONTO ERT TRANSMITTER.
 C. TRANSMITTER/MOUNT ADAPTER SHALL BE INSERTED INTO SUPPORT BRACKET AS SHOWN.
 D. DOOR LEAF AND SUPPORT BRACKET SHALL BE OF LIKE MATERIALS.
 E. SEE ACCESS DOOR STANDARD DETAILS FOR SUPPORT BRACKET LOCATIONS.

NO. DESCRIPTION

1. SINGLE DOOR LEAF - REINFORCED.
2. ANGLE DOOR FRAME.
3. FLUSH DROP HANDLE.
4. RECESSED PADLOCK ASSEMBLY (STANDARD SIZE) WITH STAINLESS STEEL STAPLE / SPRING LOADED HINGED LID.
5. AUTOMATIC HOLD OPEN ARM WITH VINYL GRIP.
6. 2 - INCH LETTERING MILLED INTO DOOR LEAF.
7. 7/16 - INCH DIA. DRILLED HOLE (COUNTERSINK) (# AS REQUIRED)
8. 3/8 - INCH DIA. DRILLED HOLE - IN CONCRETE.
9. 3/8 - INCH DIA. x 2 - 7/8 INCH STAINLESS STEEL ANCHOR, (RED HEAD DYNABOLT # SFS - 3826 OR HILTI HLC SLEEVE ANCHOR # HLC - FPH 3/8 - INCH x 2 - 7/8 INCH STAINLESS STEEL OR APPROVED EQUAL)
10. CONCRETE VAULT OR PEDESTRIAN SIDEWALK.
11. PADLOCK TO BE FURNISHED BY CMUD.
12. ERT TRANSMITTER SUPPORT BRACKET.
13. 9/16 - INCH DIAMETER DRILLED HOLE (# AS REQUIRED)
14. 1/2 - INCH DIAMETER DRILLED HOLE IN CONCRETE.
15. 1/2 - INCH DIAMETER x 4 - 1/2 - INCH DRIVE-IN EXPANSION ANCHOR OR EPOXY ADHESIVE ANCHOR - (RED HEAD, HILTI OR APPROVED EQUAL)
16. ERT TRANSMITTER.
17. ERT TRANSMITTER SLOT.

DESIGN REQUIREMENTS

- MATERIAL - ALUMINUM - ALLOY TYPE 3004 - H35, ASTM B209 AND B221, EXCEPT AS NOTED.
- LIVE LOAD - 300 LBS / SQ. FT. - PEDESTRIAN LOADINGS, MAXIMUM DEFLECTION 1/150 TH. OF SPAN.
- DOOR LEAF - 1/4 - INCH THICK ALUMINUM DIAMOND PLATE.
- FINISH - SHOT BLAST DULL GRAY-SLIP RESISTANT MEETING ADA REQUIREMENTS.
- HINGE / LOCKNUTS / BOLTS - STAINLESS STEEL - TYPE 316.
- HOLD OPEN ARM - STAINLESS STEEL - TYPE 316.
- FORCE REQUIRED TO OPEN LEAF SHALL BE 35 LBS, MAXIMUM, WITHOUT SPRING ASSIST.
- ACCESS DOOR SHALL BE MODEL APS 300 RETROFIT, AS MANUFACTURED BY U.S.F. FABRICATION, OR APPROVED EQUAL.

NOTE:
 A. FRAME SHALL BE FURNISHED WITH ANCHOR HOLES NO. 7 AND NO. 13.
 B. CONTRACTOR SHALL ANCHOR FRAME USING ANCHOR HOLES NO. 7 OR NO. 13 - AS APPROVED, (OPTION ONE OR OPTION TWO)

WARNING NOTE:
 THIS DOOR IS NOT TO BE USED IN OR ADJACENT TO DRIVEWAYS OR ANY AREA SUBJECT TO VEHICLE WHEEL LOADS, OR ANY LOAD GREATER THAN 300 PSF.

CONC. CLEAR OPENING	FRAME OPENING	FRAME OPENING	OVERALL FRAME SIZE	BRACKET LENGTH	BRACKET WIDTH	BASE WT. W/O OPTIONS
L	W	L2	L3	W3	L5	W5
36	24	35	23	34	20	43
						31
						7.125
						7
						54

U.S. FOUNDRY & MFG. CORP.

EAST JORDAN IRON WORKS

NO. DESCRIPTION

1. 1" ARIAL TEXT
2. 5/8" ARIAL STYLE TEXT
3. 3/4" LETTERS (RECESSED FLUSH)
4. (2) NON PENETRATING PICK HOLES
5. (2) LIFTING BARS
6. (2) NON PENETRATING PICK HOLES
7. (2) CORED PICKBARS
8. 1 1/2" BOSS

NOTE:
 USE WITH TYPE A, B, OR C FRAME
 COVER SHALL CONFORM TO DIMENSION AND WEIGHT REQUIREMENTS.
 COVER SHALL NOT BE OUT OF ROUND.

WEIGHT - 150 LB. MIN., 0% MINUS TOLERANCE

WEIGHT - 145 LB. MIN., 0% MINUS TOLERANCE

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