

## PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE/EQUIPMENT	MANUFACTURER AND MODEL NUMBER
WC-1	WATER CLOSET FLUSH VALVE ADA	FIXTURE: FLOOR MOUNTED, FLUSH VALVE, WHITE VITREOUS CHINA, ELONGATED BOWL, 1-1/2 INCH TOP SPUD, SIPHON JET ACTION, 1.6 GALLONS PER FLUSH, 16-1/2 INCH BOWL HEIGHT, AMERICAN STANDARD "MADERA" 2857.016 WITH MANUAL FLUSH VALVE, 1.6 GPM OR APPROVED EQUAL. SEAL: WHITE, HEAVY DUTY COMMERCIAL GRADE, OPEN FRONT, SELF-SUSTAINING CHECK HINGES WITH STAINLESS STEEL POSTS BY CHURCH MODEL 4500C OR APPROVED EQUAL.
L-1	LAVATORY WALL-HUNG	FIXTURE: 20 INCH x 18 INCH WALL HUNG LAVATORY, 4 INCH CENTERS, AMERICAN STANDARD 0355.012 "LUCERNE" OR APPROVED EQUAL. FAUCET: SINGLE CONTROL LAVATORY FAUCET ON 4 INCH CENTERS, WASHER-LESS CERAMIC DISC VALVE CARTRIDGE, METAL LEVER HANDLE, 0.5 GPM VANDAL PROOF, NON-AERATING SPRAY, AMERICAN STANDARD MODEL 7385.050 @ 0.5 GPM OR APPROVED EQUAL. CARRIER: ADJUSTABLE CARRIER WITH STEEL UPRIGHTS, ARMS FOR CONCEALED MOUNTING, BLOCK FEET FOR SECURING TO FLOOR AND FRAMING, WADE W-520 OR ZURN. SUPPLIES: FURNISH CHROME PLATED RIGID OR FLEXIBLE SUPPLIES WITH LOOSE KEY STOPS, REDUCERS, AND ESCUTCHEONS. INSULATED FOR ADA COMPLIANCE. DRAIN: STAINLESS STEEL NON-REMOVABLE STRAINER WITH 1-1/4 INCH TAILPIECE. CHICAGO FAUCET NO. 321. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE "P" TRAP WITH CLEANOUT AND IT GAUGE WASTE TO WALL WITH ESCUTCHEON. INSULATED AND OFFSET TO MEET ADA COMPLIANCE. PROVIDE PLUMBEX MODEL X414 TRAP COVER AND MODEL X4333 PRO EXTREME TRAP WRAP.
EW-C-1	ELECTRIC WATER COOLER	FIXTURE: SPLIT LEVEL, DOUBLE UNIT, WALL MOUNTED, BARRIER FREE, ELECTRIC WATER COOLER HAVING MINIMUM CAPACITY OF 8.0 GPH OF 50 DEGREE F WATER AT 80 DEGREE F INLET WATER AND 90 DEGREE F ROOM TEMPERATURE. FRONT PUSH PAD. SHIELDED ONE-PIECE CHROME PLATED BUBBLER. FURNISH BRACKET FOR WALL MOUNTING AND FLEXIBLE POWER CABLE WITH THREE PRONGED GROUNDED PLUG. FURNISH APRON FOR UPPER UNIT. REFRIGERANT: R-134A. FINISH: STAINLESS STEEL TOP, CABINET FINISH AS SELECTED BY ARCHITECT. MANUFACTURER: OASIS MODEL P68ACSL OR SIMILAR BY ELKAY. ROUGH-IN: PROVIDE STOP VALVE, CAST BRASS P-TRAP, AND IT GAUGE TAILPIECE. MOUNTING HEIGHT: TO ACCOMMODATE WHEELCHAIR USERS.
MB-1	MOP BASIN	FIXTURE: MUSTEE 63M, 24 X 24 X 10 INCH HIGH MOLDED STONE, FLOOR MOUNTED, STAINLESS STEEL STRAINER. FAUCET: MUSTEE MODEL 63.600A FAUCET, ROUGH CHROME FINISH, THREADED SPOUT WITH BUCKET HOOK, VACUUM BREAKER, HOSE OUTLET SPOUT END, WALL BRACE, CAST BRASS INDEXED LEVER HANDLES, AND STOPS IN SHANKS OR EQUAL. ACCESSORIES: 48 INCH LONG HEAVY DUTY, 5/8 INCH DIAMETER HOSE AND HOSE CLIP, STAINLESS STEEL HOSE BRACKET, AND STAINLESS STEEL MOP HANGER WITH 3 GRIPS.
RD-1	COMBINATION ROOF DRAIN & OVERFLOW DRAIN	12 INCH DIAMETER ROOF DRAIN AND OVERFLOW DRAIN, DURA-COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING/ GRAVEL GUARDS, DOUBLE TOP-SET DECK PLATE, AND LOW SILHOUETTE POLY-DOMES. NO-HUB OR THREADED. ZURN MODEL Z164 OR APPROVED EQUAL.
DSC-1	DOWNSPOUT COVER	ROUND FABRICATED STAINLESS STEEL FRAME WITH FABRICATED SECURED PERFORATED STAINLESS STEEL HINGED STRAINER. ZURN MODEL Z199-DC OR APPROVED EQUAL.
FD-1	FLOOR DRAIN	FLOOR DRAIN: PVC ADJUSTABLE ROUND NICKEL BRONZE. SIOUX CHIEF 832-36PBR WITH 6 INCH NB TOP OR APPROVED EQUAL.
FD-2	FLOOR DRAIN WITH FUNNEL	FLOOR DRAIN WITH FUNNEL: PVC ADJUSTABLE ROUND NICKEL BRONZE. SIOUX CHIEF 832-36PBR WITH 6 INCH NB TOP OR APPROVED EQUAL. PROVIDE CONDENSATE FUNNEL 863 SERIES MODEL FND WITH FASTENING SCREWS.
TP-1	TRAP SEALER	SURE SEAL MODEL 563004V & 564004V INLINE FLOOR DRAIN TRAP SEAL. COMMERCIAL GRADE UV AND OZONE RESISTANT ABS PLASTIC HOUSING WITH PROPRIETARY EPDM RUBBER DIAPHRAGM AND SOFT RUBBER SEALING GASKET. FLOOR RATING ASSE - 1072 AF-6M.
FCO	FLOOR CLEANOUT	FLOOR CLEAN-OUT: ADJUSTABLE ON-GRADE CLEAN-OUT, SCORRIATED CLEAN-OUT COVER, PVC WITH ROUND NICKEL BRONZE TOP. SIOUX CHIEF 834 SERIES
ECO	EXTERIOR CLEANOUT	CAST IRON ACCESS HOUSING, PUSH-JOINT GASKET, CAST IRON COVER WITH ADJUSTABLE ANCHOR FLANGE AND EXTRA HEAVY SECURED NON-SKID CAST IRON COVER WITH VANDAL PROOF SCREWS. SIOUX CHIEF 851 SERIES OR SIMILAR BY MIFAB OR ZURN. FULL SIZE OF PIPE AND NOT LESS THAN 4 INCHES FOR LARGER SIZES.
WH-1	WALL HYDRANT NON-FREEZE	FITTING: ZURN Z1321-CXL ECOLOTROL WALL HYDRANT. EXPOSED. NON-FREEZE, ANTI-SIPHON WITH AUTOMATIC DRAINING, WITH 3/4 INCH HOSE CONNECTION OR APPROVED EQUAL.
	WATER HAMMER ARRESTORS	PERMANENTLY SEALED BELLOWS OR EXPANDING CHAMBER TYPE DEVICE FOR CONTROL OF WATER HAMMER, P.D.I. APPROVED. SMITH HYDROTROL OR SIMILAR BY JOSAM, MIFAB, WADE, ZURN, OR EQUAL.

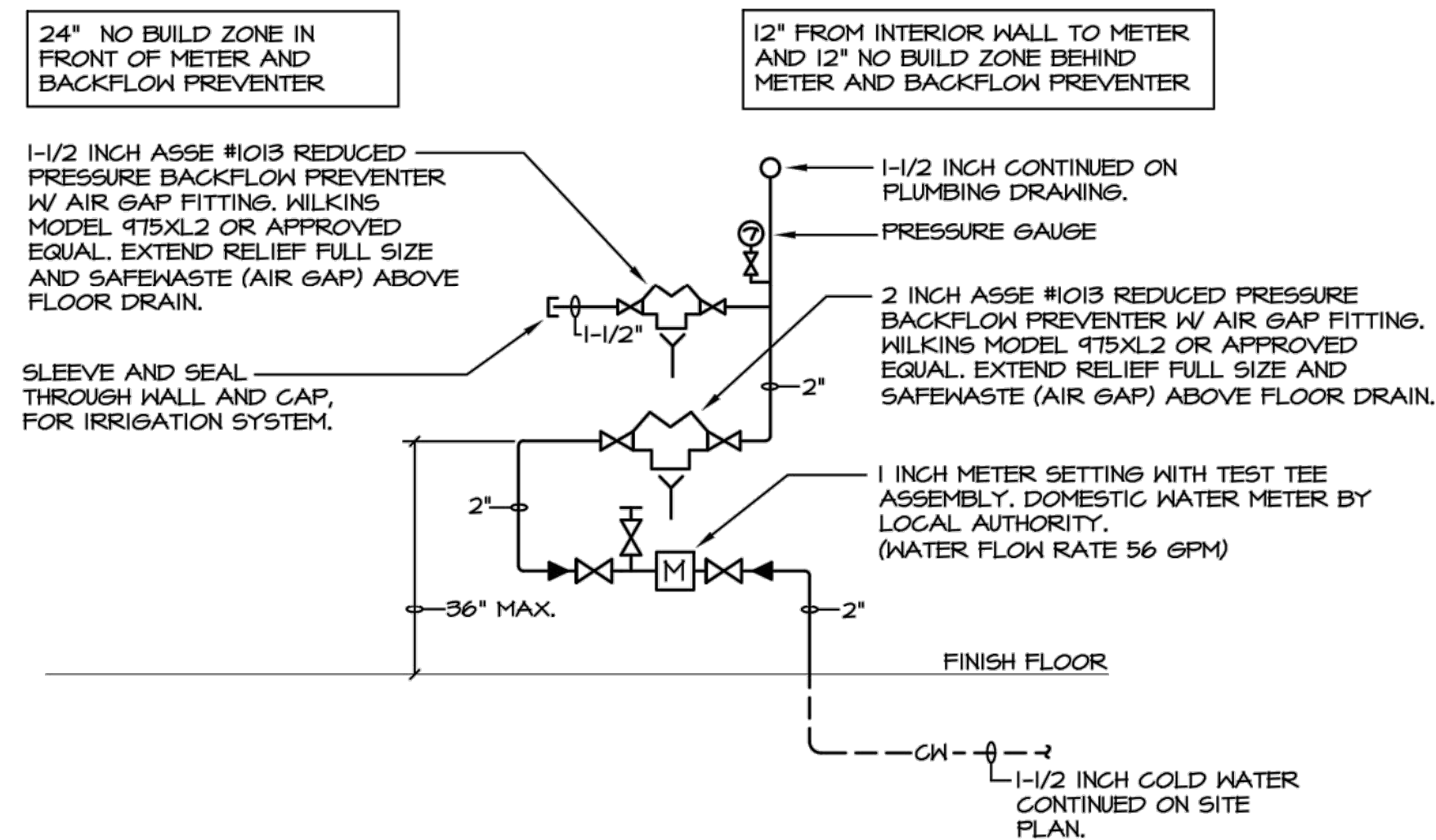
NOTES:  
1 - PLUMBING FIXTURES AND EQUIPMENT ARE TO BE PROVIDED BY PLUMBING CONTRACTOR, UNLESS OTHERWISE NOTED.

## WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	FUEL	KW INPUT	STORAGE CAPACITY (gallons)	FINAL TEMPERATURE (degrees F)	RECOVERY GPH	TEMPERATURE RISE (degrees F)	VOLTAGE	EXPANSION TANK	REMARKS
EW-H-1	RHEEM	PROEIO 1 CN POU	ELECTRIC	2.0	10	120	9	90	120V-1PH	AMTROL MODEL ST-5	NON-SIMULTANEOUS ELEMENT OPERATION

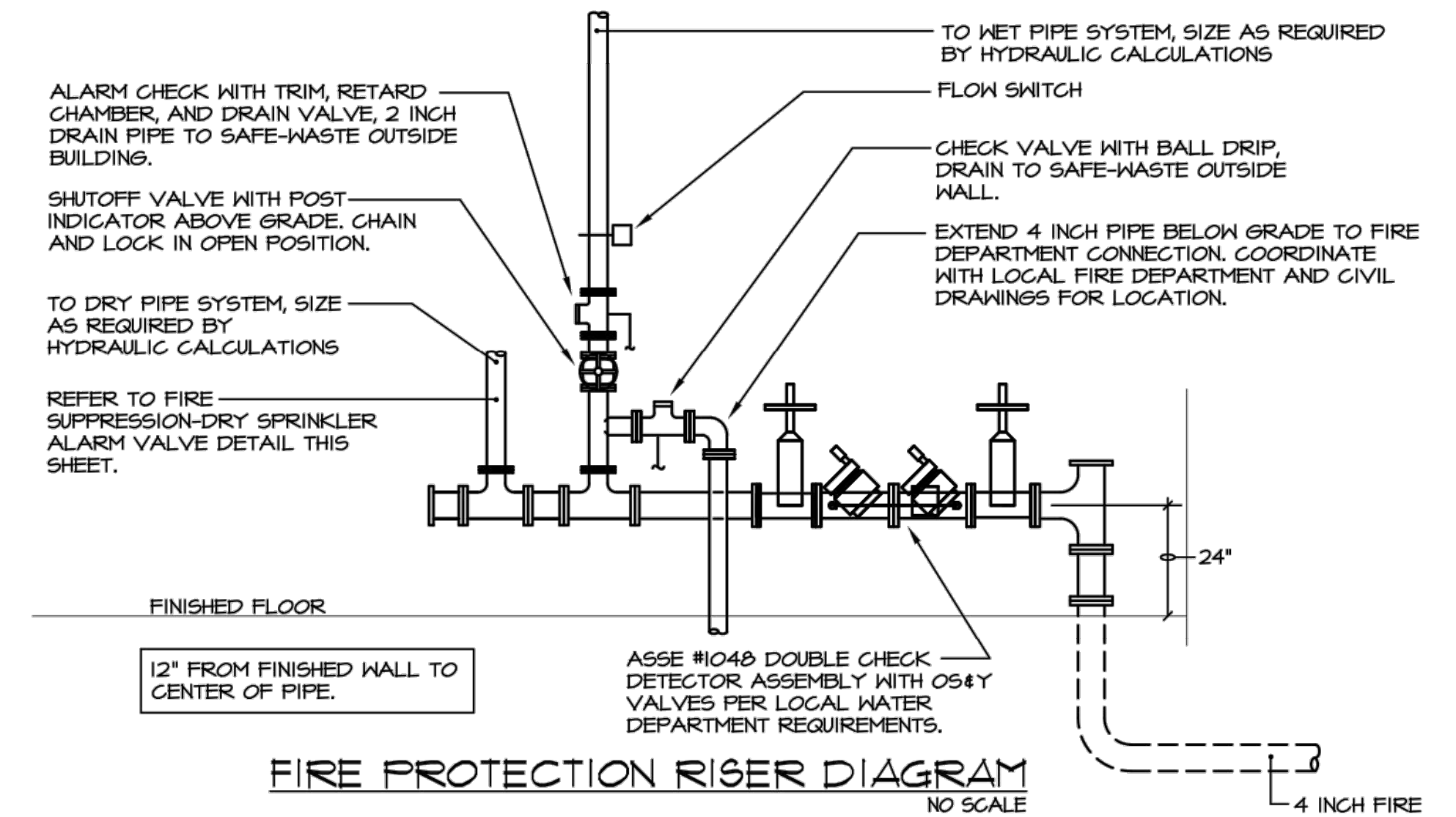
## FIXTURE CONNECTION SCHEDULE

ITEM	DESCRIPTION	CONNECTION		
		HW	CW	VENT
WC	WATER CLOSET (FLUSH VALVE)	—	1"	4"
L	LAVATORY	1/2"	1/2"	1-1/4"
MR	MOP RECEPTOR	1/2"	1/2"	3"
EW-C	ELECTRIC WATER COOLER	—	1/2"	1-1/4"

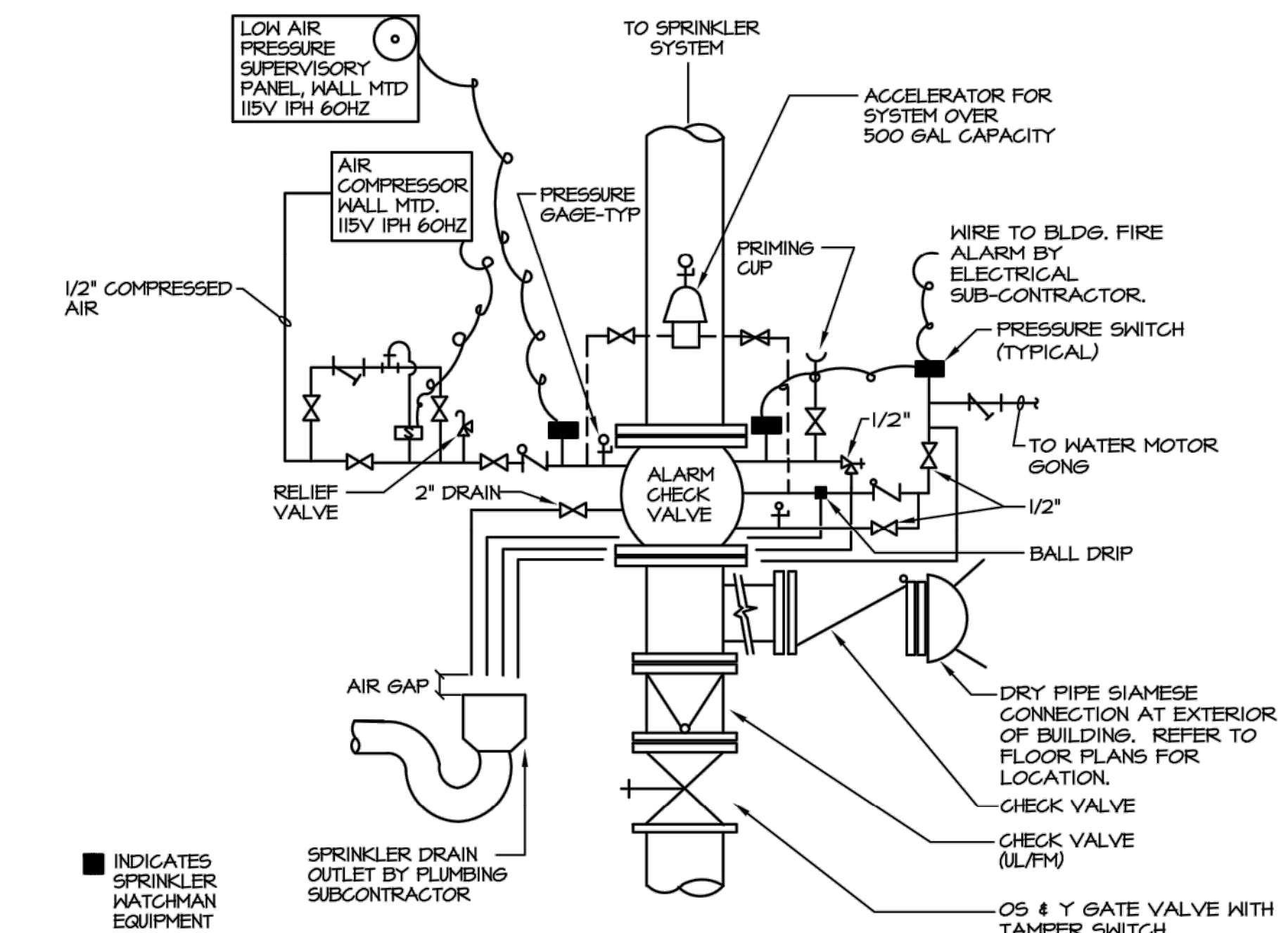


## DOMESTIC WATER SERVICE ENTRANCE DETAIL

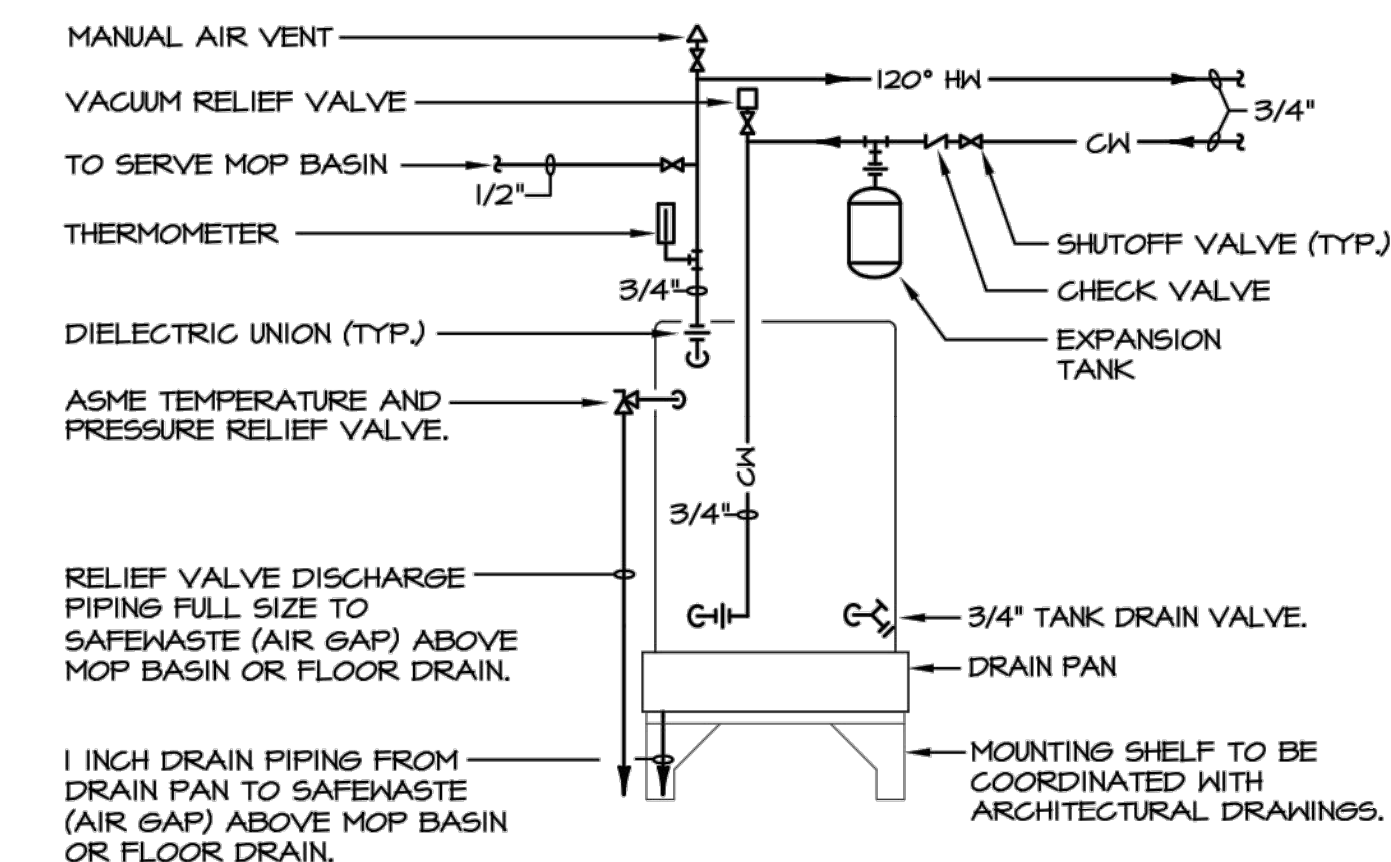
NOTE:  
REFER TO STANDARD DETAIL FOR WATER METER AND BACKFLOW PREVENTER SETTING FOR THE CITY OF KIRTLAND AND LAKE COUNTY, OHIO, DEPARTMENT OF PUBLIC UTILITIES DIVISION OF WATER AND FOR DIMENSIONS ON THE NO BUILD ZONE IN FRONT AND BEHIND THE BACKFLOW PREVENTER.



NOTE:  
ALL PIPING, VALVES, AND DEVICES ARE PROVIDED BY THE FIRE PROTECTION CONTRACTOR. PROVIDE AS REQUIRED BY NFPA 13 AND LOCAL AUTHORITY HAVING JURISDICTION.



## FIRE SUPPRESSION-DRY SPRINKLER ALARM VALVE DETAIL



## ELECTRIC WATER HEATER DETAIL

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engineering & design

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Eastlake, OH 44095  
1.440.953.8760  
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DATE	REVISION	NO	CD	ISSUED FOR	ISSUE DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
			05/31/19	AS SHOWN	JKJ	JKJ	JDM		

LAKELAND TRANSFER STATION  
LAKELAND COMMUNITY COLLEGE  
7700 CLOCKTOWER DR., KIRTLAND, OH 44094

PLUMBING PLAN, LEGEND, ABBREV.,  
NOTES, & STACK DIAGRAM

PROJECT NO.	18050002
DISCIPLINE	PLUMBING
SHEET NAME	P-2
SHEET	OF
50	55