

1 Plumbing Floor Plan - Water Line
P-2 1/8" = 1'-0"

Reference Notes	
Number	Description
1	PIPING LOCATED AT OR ABOVE CEILING.
2	PIPING DROP AND RUN IN WALL.
3	PIPING LOCATED BELOW FLOOR SLAB.
4	NEW REDUCED PRESSURE PRINCIPAL BACK-FLOW PREVENTION ASSEMBLY (R/P) SHALL BE INSTALLED ON WATER PIPE PER FBCP SECTION 09. FIELD VERIFY LOCATION. SEE CIVIL DRAWINGS FOR SPECIFICATIONS.
5	BUILDING SERVICE WATER SHUT-OFF VALVE IN RECESSED VALVE BOX WITH REMOVABLE ACCESS COVER FLUSH WITH GRADE OR PAVEMENT.
6	WATER PIPING RISE FROM BELOW GRADE, OFFSET INTO WALL ABOVE FLOOR SLAB IN WALL, RISE TO ABOVE CEILING.

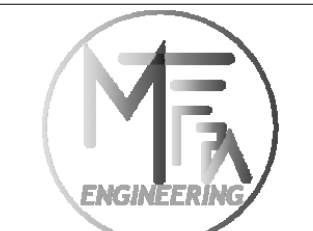
ELECTRICAL WATER HEATER SCHEDULE								
Mark	MANUFACTURER	MODEL	LOCATION	DESCRIPTION	PERFORMANCE	ELECTRIC SPEC.	INPUT [W]	WEIGHT [LB]
EWH-1	RHEEM	ELD80-C	MECH/ELECT	80 Gallon capacity, 0.93 UEF	41 GPH Recovery at 120° rise	208/3/60	12000 W	220
EWH-2	RHEEM	ELD80-C	MECH/ELECT	80 Gallon capacity, 0.93 UEF	41 GPH Recovery at 120° rise	208/3/60	12000 W	220
EWH-4	RHEEM	ELD80-C	MECH/ELECT	80 Gallon capacity, 0.93 UEF	41 GPH Recovery at 120° rise	208/3/60	12000 W	220
EWH-3	RHEEM	ELD80-C	MECH/ELECT	80 Gallon capacity, 0.93 UEF	41 GPH Recovery at 120° rise	208/3/60	12000 W	220

HOT WATER RETURN PUMP								
Mark	MANUFACTURER	MODEL	Level	DESCRIPTION	PERFORMANCE	ELECTRIC SPEC.	INPUT [W]	WEIGHT [LB]
P-1	GRUNDFOS	UPS-15-42	Level 1	VersaFlo Multiple Speed In-Line Circulator Pump	10FT Head/5GPM	115/1/60	85 W	6
P-1	GRUNDFOS	UPS-15-42	Level 1	VersaFlo Multiple Speed In-Line Circulator Pump	10FT Head/5GPM	115/1/60	85 W	6
P-2			Level 1					

FIXTURE CALCULATION - DME SPORTS HOUSING COMPLEX									
PER TABLE E103.3(2)									
FIXTURE	OCCUPANCY	TYPE OF SUPPLY CONTROL	Quantity	LOAD VALUES, IN WATER SUPPLY FIXTURE UNITS (wsfu)			TOTAL LOAD VALUES, IN WATER SUPPLY FIXTURE UNITS (wsfu)		
				Cold	Hot	Total	Cold	Hot	Total
Bathroom group	Private	Flush tank		2.7	1.5	3.6	0	0	0
Bathroom group	Private	Flushometer valve		6	3	8	0	0	0
Bathtub	Private	Faucet		1	1	1.4	0	0	0
Bathtub	Public	Faucet		3	3	4	0	0	0
Bidet	Private	Faucet		1.5	1.5	2	0	0	0
Combination fixture	Private	Faucet		2.25	2.25	3	0	0	0
Dishwashing machine	Private	Automatic		—	1.4	1.4	0	0	0
Drinking fountain	Offices, etc.	1/2" valve	3	0.25	—	0.25	0.75	—	0.75
Kitchen sink	Private	Faucet		1	1	1.4	0	0	0
3 COMP SINK	Private	Faucet		1	3	4	3	3	4
Kitchen sink	Hotel, restaurant	Faucet		3	3	4	0	0	0
Laundry trays (1 to 3)	Private	Faucet		1	1	1.4	0	0	0
Lavatory	Private	Faucet		20	0.5	0.7	10	10	14
Lavatory	Public	Faucet		1.5	1.5	2	0	0	0
Service sink	Offices, etc.	Faucet		2	2.25	3	4.5	4.5	6
Shower head	Public	Mixing valve		3	3	4	0	0	0
Shower head	Private	Mixing valve		14	1	1.4	14	14	19.8
UTILITY BOX	Private	Automatic		2	0.5	0.5	1	1	1
Urinal	Public	1" flushometer valve		10	—	10	0	0	0
Urinal	Public	1/2" flushometer valve		5	5	—	5	25	25
Urinal	Public	Flush tank		3	—	3	0	0	0
Washing machine (8 lb)	Private	Automatic		4	1	1.4	4	4	5.6
Washing machine (8 lb)	Public	Automatic		2.25	2.25	3	0	0	0
Washing machine (15 lb)	Public	Automatic		3	3	4	0	0	0
Water closet	Private	Flushometer valve		6	—	6	0	0	0
Water closet	Private	Flush tank		15	2.2	—	2.2	33	33
TOTAL SIZE							95.25	35.5	108.95
									2 1/2"

For SI: 1 inch = 25.4 mm, 1 pound = 0.454 kg
 a. For fixtures not listed, loads should be assumed by comparing the fixture to one listed using water in similar quantities and at similar rates. The assigned loads for fixtures with both hot and cold water supplies are given for separate hot and cold water loads and for total load. The separate hot and cold water loads being three-fourths of the total load for the fixture in each case.

#	REVISIONS
1	04/15/20 ADDENDUM #1



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PROJECT NUMBER:
MTF18144

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PLUMBING FLOOR PLAN - WATER
 DATE: 05/13/2019
 SCALE: AS SHOWN
SHT NO. P-2
 ARCHITECTS / ENGINEER'S SEAL