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PROJECT NUMBER:

MTF18144

OWNER/DEVELOPER: OWNER/REP: MIKE PANAGGIO, DIRECT MAIL EXPRESS, 2441 BELLEVUE AVENUE, DAYTONA BEACH, FL32114 (386)271-3924
PROJECT LOCATION: 2501 BELLEVUE AVENUE, DAYTONA BEACH, FL 32114
GENERAL CONTRACTOR: BRYAN COLLYER, 375 FENTRESS BOULEVARD, DAYTONA BEACH FL, 32114, PH;(386)576-7177 ISING COMPLEX

DESIGN INCORPORATED

ARCHITECTURE, DESIGN & DRAWING SERVICES # AA 26001108 BRIAN P. FREDLEY, ASSOC. AIA, PROJECT MANAGER DALLAS B. PEACOCK, AIA, ARCHITECT

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PLUMBING FLOOR PLAN - WATER

SCALE: AS SHOWN

ARCHITECT'S / ENGINEER'S SEAL

	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 608. FIELD VERIFY LOCATION. SEE CIVL 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.

		<u>E</u>	LECTRIC	AL WATER HEAT	TER 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

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   OCCUPANCY   TYPE OF SUPPLY CONTROL   CONTROL CONTR	FIXTURE CALCULATION - DME SPORTS HOUSING COMPLEX PER TABLE E103.3(2)									
Bathroom group	FIXTURE	OCCUPANCY	TYPE OF SUPPLY		LOAD VALUES, IN WATER SUPPLY FIXTURE UNITS			WATER SUPPLY FIXTURE		
Bathroom group					Cold	(A)(0)(E(0))	20707870	Cold	Hot	Total
Sathtub	Bathroom group	Private	Flush tank		2.7	1.5	3.6	0	0	0
Public   Faucet   3	Bathroom group	Private	Flushometer valve		6	3	8	0	0	0
Private   Priv	Bathtub	Private	Faucet		1	1	1.4	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           Drinking fountain         Offices, etc.         3/6" valve         3         0.25         —         0.25         0.75         0.75           Kitchen sink         Private         Faucet         1         1         1.4         0         0         0           3 CMP SINK         Private         Faucet         1         3         3         4         3         3         4           Kitchen sink         Hotel, restaurant         Faucet         1         3         3         4         0         0         0           Actichen sink         Hotel, restaurant         Faucet         3         3         4         0         0         0           Actichen sink         Hotel, restaurant         Faucet         3         3         4         0         0         0           Lauratory         Private         Faucet         1         1         1         1         1         1         1         1	Bathtub	Public	Faucet		3	3	4	0	0	0
Dishwashing machine   Private   Automatic	Bidet	Private	Faucet		1.5	1.5	2	0	0	0
Orinking fountain         Offices, etc.         3/8" 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         3         4         3         3         4           Kitchen sink         Hotel, restaurant         Faucet         1         3         3         4         3         3         4           Kitchen sink         Hotel, restaurant         Faucet         1         1         1.4         0         0         0           Laurdry trays (1 to 3)         Private         Faucet         1         1         1.4         0         0         0           Lavatory         Private         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         2         2.25         2.25         3         4.5         4.5         6           Service sink         Offices, etc.         Faucet         2         2.25         2.25         3         4.5         4.5         6 </td <td>Combination fixture</td> <td>Private</td> <td>Faucet</td> <td></td> <td>2.25</td> <td>2.25</td> <td>3</td> <td>0</td> <td>0</td> <td>0</td>	Combination fixture	Private	Faucet		2.25	2.25	3	0	0	0
Kitchen sink         Private         Faucet         1         1         1.4         0         0         0           3 COMP SINK         Private         Faucet         1         3         3         4         3         3         4           Kitchen sink         Hotel, restaurant         Faucet         1         1         1.4         0         0         0           Laundry trays (1 to 3)         Private         Faucet         1         1         1.4         0         0         0           Lavatory         Private         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         2         2.25         2.25         3         4.5         4.5         6         6           Shower head         Public         Mixing valve         3         3         4         0         0         0         0           Urillar Public         Private         Automatic         2         0.5         -         0.5         1 <td>Dishwashing machine</td> <td>Private</td> <td>Automatic</td> <td></td> <td>_</td> <td>1.4</td> <td>1.4</td> <td></td> <td>0</td> <td>0</td>	Dishwashing machine	Private	Automatic		_	1.4	1.4		0	0
SCOMP SINK	Orinking fountain	Offices, etc.	<sup>3</sup> / <sub>8</sub> " valve	3	0.25	_	0.25	0.75		0.75
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         0.5         0.7         10         10         14           Lavatory         Public         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         1.5         1.5         2         0         0         0         0           Service sink         Offices, etc.         Faucet         2         2.25         2.25         3         4.5         4.5         6           Shower head         Public         Mixing valve         3         3         4         0         0         0           Shower head         Private         Automatic         2         0.5         -         0.5         1         14         1         1         1.4         14         19.6           UTILITY BOX         Private         Automatic         2	Kitchen sink	Private	Faucet		1	1	1.4	0	0	0
Laundry trays (1 to 3)         Private         Faucet         1         1         1.4         0         0           Lavatory         Private         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         20         0.5         0.5         0.7         10         10         14           Lavatory         Public         Faucet         20         0.5         0.5         0.7         10         10         0           Service sink         Offices, etc.         Faucet         22         2.25         2.25         3         4.5         4.5         6         6           Shower head         Public         Mixing valve         3         3         4         0         0         0         0           Shower head         Private         Automatic         2         0.5         -         0.5         1         1         1         1.4         1         1         1.4         14         1         1         1.4	3 COMP SINK	Private	Faucet	1	3	3	4	3	3	4
Lavatory         Private         Faucet         20         0.5         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         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         1.4         14         14         1         1.4         14         14         14         1         1.4         14         14         1         1.4         14         1         1.4         14         1         1.4         14         1         1.4         14         1         1.4         1         1         1.4         1	Kitchen sink	Hotel, restaurant	Faucet		3	3	4	0	0	0
Lavatory         Public         Faucet         1.5         1.5         2         0         0         0           Service sink         Offices, etc.         Faucet         2         2.25         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 <td>Laundry trays (1 to 3)</td> <td>Private</td> <td>Faucet</td> <td></td> <td>1</td> <td>1</td> <td>1.4</td> <td>0</td> <td>0</td> <td>0</td>	Laundry trays (1 to 3)	Private	Faucet		1	1	1.4	0	0	0
Service sink         Offices, etc.         Faucet         2 2.25         2.25         3 4.5         4.5         6           Shower head         Public         Mixing valve         3 3 4 0 0 0 0         0         0           Shower head         Private         Mixing valve         14 1 1 1 1.4 14 14 14 14 19.6         14 1 1 1 1.4 14 14 14 19.6         14 1 1 1 1.4 14 14 14 19.6           UTILITY BOX         Private         Automatic         2 0.5 - 0.5 1 1 1 1         1         1           Urinal         Public         1" flushometer valve         10 - 10 0 0 0         0         0           Urinal         Public         3/4" flushometer valve         5 5 - 5 25 25         25         25           Urinal         Public         Flush tank         3 - 3 0 0 0 0         0         0           Washing machine (8 lb)         Private         Automatic         4 1 1 1 1.4 4 4 4 5.6         4 5.6           Washing machine (8 lb)         Public         Automatic         2.25 2.25 3 0 0 0 0         0           Washing machine (15 lb)         Public         Automatic         3 3 4 0 0 0         0           Washing machine (15 lb)         Public         Automatic         3 3 4 0 0 0         0           Washing machine (15 lb)         Public		Private	Faucet	20	0.5	0.5	0.7	10	10	14
Shower head   Public   Mixing valve   3   3   4   0   0   0	_avatory	Public	Faucet		1.5	1.5	2	0	0	0
Shower head	Service sink	Offices, etc.	Faucet	2	2.25	2.25	3	4.5	4.5	6
UTILITY BOX         Private         Automatic         2         0.5         -         0.5         1         1           Urinal         Public         1" flushometer valve         10         —         10         0         0           Urinal         Public         3/4" 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         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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	Shower head	Public	Mixing valve		3	3	4	0	0	0
Urinal         Public         1" flushometer valve         10         —         10         0         0           Urinal         Public         3/4" flushometer valve         5         5         —         5         25         25           Urinal         Public         Flush tank         3         —         3         0         0           Washing machine (8 lb)         Private         Automatic         4         1         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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	Shower head	Private	Mixing valve	14	1	1	1.4	14	14	19.6
Orinal         Public         valve         10         —         10         0         0           Urinal         Public         3/4" flushometer valve         5         5         —         5         25         25           Urinal         Public         Flush tank         3         —         3         0         0           Washing machine (8 lb)         Private         Automatic         4         1         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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	JTILITY BOX	Private	Automatic	2	0.5	1-	0.5	1		1
Offmal         Public         valve         5         5         25         25           Urinal         Public         Flush tank         3         —         3         0         0           Washing machine (8 lb)         Private         Automatic         4         1         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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	Urinal	Public			10	_	10	0		0
Urinal         Public         Flush tank         3         —         3         0         0           Washing machine (8 lb)         Private         Automatic         4         1         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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	Urinal	Public		5	5	_	5	25		25
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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	Jrinal	Public			3	-	3	0		0
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           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33	Washing machine (8 lb)	Private	Automatic	4	1	1	1.4	4	4	5.6
Washing machine (15 lb)         Public         Automatic         3         3         4         0         0         0           Water closet         Private         Flushometer valve         6         —         6         0         0           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33		Public	Automatic		2.25	2.25	3	0	0	0
Water closet         Private         Flushometer valve         6         —         6         0         0           Water closet         Private         Flush tank         15         2.2         —         2.2         33         33		Public	Automatic		17007007 021 10 1			0	0	0
Water closet         Private         Flush tank         15         2.2         —         2.2         33         33		Private	Flushometer valve				6	0		0
		1, 14,000,000,000	Flush tank	15	2.2	_	2.2	33		33
				TOTAL				95.25	35.5	108.95

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.

