				FOOD 0	YED\ (101					
				FOOD S	ERVICE	= SCHE	DULES			
				WASTE				WATER		
			INDIRECT	DIRECT	FS	VENT	CW	FW (FILTERED	HW	
CODE	EQUIPMENT	QTY	SIZE	SIZE	REQ	SIZE	SIZE	CW) SIZE	SIZE	ACCESSORIES / COMMENTS
01	HAND SINK, WALL MOUNT	4	-	1-1/2"	-	1-1/2"	1/2"	-	1/2"	TMV
06	WATER FILTER ASSEMBLY	1	-	-	-	-	3/4"	-		VB, INTERCONNECT TO ITEMS 07, 09, 11 (KITCHEN)
07	COFFEE BREWER, DOUBLE	2	-	-	-	-	-	1/2"	-	VB
08	DROP IN SODA / ICE DISPENSER	2	3/4"	-	YES	-	-	-	-	
09	ICED TEA BREWER	2	-	-	-	-	-	1/2"	-	VB
11	ESPRESSO MACHINE	1	5/8"	-	YES	-	-	1/2"	-	VB
14	DROP-IN SINK, SINGLE	1	1-1/2"	-	YES	-	1/2"	-	1/2"	
22	DROP-IN SINK, DOUBLE	1	(2) 1-1/2"	-	YES	-	1/2"	-	1/2"	
25	ICE BIN	1	3/4"	-	YES	-	-	-	-	
26	ICE MAKER, MODULAR CRESCENT CUBER	1	3/4"	-	YES	-	-	1/2"	-	RPZ
27	FLOOR TROUGH	1	-	4"	-	2"	-	-	-	
28	FLOOR TROUGH	1	-	4"	-	2"	-	-	-	
29	ICE STORAGE BIN	1	3/4"	-	YES	-	-	-	-	
30	ICE MAKER, MODULAR SLIM-LINE	1	3/4"	-	YES	-	-	1/2"	-	RPZ
31	WATER FILTER ASSEMBLY	1	-	-	-	-	1/2"	-	-	VB, INTERCONNECT TO ITEM 30
32	WATER FILTER ASSEMBLY	1	-	-	-	-	1/2"	-	-	VB, INTERCONNECT TO ITEM 26
33	MOP SINK CABINET	1	-	2"	-	2"	-	-	-	
34	SERVICE SINK FAUCET	1	-	-	-	-	1/2"	-	1/2"	VB
42	FLOOR TROUGH	1	-	4"	-	2"	-	-	-	
43	TILTING KETTLE, ELECTRIC	1	-	-	-	-	3/8"	-	1/2"	VB
45	ELECTRICAL COMBI-STEAMER	1	2"	-	YES	-	-	3/4"	-	VB
46	WATER FILTER ASSEMBLY	1	-	-	-	-	3/4"	-	-	VB, INTERCONNECT TO ITEMS 45, 47
47	PASTA COOKER, ELECTRIC	1	(2) 1"	-	YES	-	-	(2) 3/4"	-	VB
55	HAND SINK, WELDED	1	-	1-1/2"	-	1-1/2"	-	-	-	
55A	DECK MOUNT MIXING FAUCET	1	-	-	-	-	1/2"	-	1/2"	TMV
57	DROP-IN SINK, SINGLE	1	1-1/2"	-	YES	-	1/2"	-	1/2"	TMV
67	HAND SINK	1		1-1/2"		1-1/2"	1/2"	-	1/2"	
69	THREE COMPARTMENT SINK	1	(3) 1-1/2"	-	YES	-	-	-	-	
70	WALL MOUNT SWING FAUCET	2	-	-	-	-	1/2"	-	1/2"	VB
74	DISHWASHER, CONVEYER TYPE	1	1-1/2"	-	YES	-	-	-	3/4"	
74B	DISHWASHER VENT, UNLOAD END	1	1-1/2"	-	YES	-	-	-	-	
75	PRE-RINSE FAUCET	1	-	-	-	-	1/2"	-	1/2"	VB
76	WASTE DISPOSER	1	-	2"	YES	1-1/2"	1/2"	-	-	
83	EVAPORATOR COIL, REFRIGERATOR	1	3/4"	_	_	-	-	-	-	DRAIN TO FLOOR DRAIN W/ FUNNEL
85	EVAPORATOR COIL, FREEZER	1	3/4"	-	_	_	_	_	_	DRAIN TO FLOOR DRAIN W/ FUNNEL
92	WATER FILTER ASSEMBLY	1	-	-	_	_	1/2"	_	-	VB, INTERCONNECT TO ITEMS 07, 09 (PANTRY)
93	WATER FILTER ASSEMBLY	1	-	-	_	_	1/2"	_	-	VB, INTERCONNECT TO ITEM 94
94	DECK MOUNT STATION W/ GLASS FILLER	1	1-1/4"	_	YES	_	-	1/2"	_	VB
95	DROP-IN SINK, SINGLE	1	1-1/2"	_	YES	-	1/2"		1/2"	
98	ICE STORAGE BIN	1	3/4"	_	YES	_	-	-	-	
99	ICE MAKER - STACKABLE ICE CUBER	1	3/4"	_	YES	_	_	1/2"	_	RPZ
100	WATER FILTER ASSEMBLY	1	-	_	-	_	1/2"	-	_	VB, INTERCONNECT TO ITEM 99
104	DRAINBOARD CABINET	2	1-1/2"	_	YES	_	-	_	_	
105	COMBO ICE BIN	2	(1) 1-1/2", (1) 3/4"	_	YES	_	-	_	-	
107	SINK, SINGLE BOWL	2	1-1/2"	-	YES	-	1/2"	-	1/2"	VB
109	DISHWASHER, UNDERCOUNTER	1	5/8"	-	YES	_	1/2"	-	-	1
110	UNDERBAR HAND SINK	2	1-1/2"		YES	_	1/2"	_	1/2"	TMV, VB
113	TEE TOWER	1	1/2"	-	YES	-	-		-	, 😕
120	ICE BIN	1	1-1/2"	-	YES	-			<u> </u>	
121	DRAINBOARD CABINET	1	1-1/2"	<u>-</u>	YES	-	-	-	<u> </u>	
122	BLENDER STATION	1	1-1/2"	<u> </u>	YES	-	1/2"		1/2"	TMV, VB
128	CARBONATOR	1	1-1/Z -		-	-	1/2"	-	-	RPZ
120	CANDONATON		-	-	-	-	1/4	-	-	1 M &
					<u> </u>					

GENERAL NOTES (APPLIES TO ALL CONCESSIONS, BARS, AND PANTRIES):

1. PLUMBING DESIGN AND SIZES ARE BASED ON THE 2015 NYS PLUMBING CODE.

2. ALL EXPOSED PIPING SERVING PLUMBING FIXTURES THAT MAY BE USED FOR ADA PURPOSES SHALL HAVE TRAPS AND SUPPLIES INSULATED PER ADA REQUIREMENTS.

3. EACH UNIT WITH A DIRECT WASTE CONNECTION SHALL BE PROVIDED WITH A P-TRAP, EXCEPT EQUIPMENT WITH INTEGRAL TRAPS. 4. EXTEND INDIRECT WASTE TO NEAREST FLOOR SINK, UNLESS OTHERWISE NOTED ON PLANS. PROVIDE MINIMUM 1" AIR GAP.

5. ALL HAND WASH SINKS SHALL BE PROVIDED WITH MV REGARDLESS OF ACCESSORIES NOTED. LEONARD MODEL 270-LF OR APPROVED EQUAL.

6. REFER TO PLANS FOR FIXTURES REQUIRING CONNECT TO GREASE INTERCEPTOR SYSTEM.

7. CONTRACTOR TO REFER TO FOOD SERVICE AND ARCHITECTURAL DRAWINGS FOR ALL PIPE SIZES, MOUNTING HEIGHTS AND ACTUAL EQUIPMENT QTY., ETC.

ACCESSORY CODES TP = TRAP PRIMER

VB = VACUUM BREAKER FLTR = FILTER

TMV = POINT-OF-USE THERMOSTATIC MIXING VALVE, ASSE 1070 COMPLIANT

RPZ = REDUCED PRESSURE ZONE ASSEMBLY

VB = VACUUM BREAKER

			S	UMP P	UMP S	CHEDU	LE								
	MANUFACTURER /			NO. OF			DISCHARGE		SUMP SIZE			ELE	ECTRICA	L	
CODE	MODEL NO.	SERVICE	TYPE	PUMPS	GPM(EA)	FT HD (EA)	PIPE SIZE (EA.)	RPM	(LXWXD)	HP	VOLT P	H FLA	DISC	FEEDER SIZE	REMARKS
ESP-1	STANCOR / OIL-MINDER SE50	INN ELEVATOR	VORTEX SUBMERSIBLE	1	50	22	2"	3450	2' X 2' X 2' (BY OTHERS)	0.5	460 3	1.4	30	3#12,#12G,3/4"C	
ESP-2	STANCOR / OIL-MINDER SE50	INSTITUTE ELEVATOR - BOH	VORTEX SUBMERSIBLE	1	50	22	2"	3450	2' X 2' X 2' (BY OTHERS)	0.5	460 3	1.4	30	3#12,#12G,3/4"C	
ESP-3	STANCOR / OIL-MINDER SE50	INSTITUTE ELEVATOR - LOBBY	VORTEX SUBMERSIBLE	1	50	22	2"	3450	2' X 2' X 2' (BY OTHERS)	0.5	460 3	1.4	30	3#12,#12G,3/4"C	

1. PROVIDE CHECK VALVE ON EACH PUMP. SEE GENERAL DETAIL ON DRAWINGS. 2. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER MENA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

3. PROVIDE LOCAL INDICATION OF HIGH LIQUID, HIGH CURRENT/LOCKED ROTOR, AND OIL SENSING ALARMS. COORDINATE WITH BMS CONTRACTOR TO PROVIDE ADDITIONAL BMS READOUT OF ALL ALARMS.

4. PROVIDE ON/OFF SWITCH. 5. PROVIDE HIGH ALARM AND WIRE TO RING BELL IN MECHANICAL ROOM.

6. PROVIDE PROPERLY GROUNDED RECEPTACLE PROTECTED BY GFCI FOR CONTROLLER. 7. PROVIDE WITH PUMP ON FLOAT, HIGH ALARM FLOAT, SENSOR PROBE, ETC TO ALLOW FOR PROPER OPERATION OF PUMP.

8. PUMP SHALL BE ON EMERGENCY POWER.

9. CONTROL PANEL SHALL BE NEMA 4X RATED. 10. WARRANTY: 1.5 YEAR PUMP (WET END), 20 YEAR MOTOR

			Р	UMP SCI	HEDU	ILE												
	GENE	ERAL				PUMP	DATA							ELECTRICAL				
								TEMP.	MIN									
	MANUFACTURER/			PUMP			HEAD	RANGE	EFF.									
CODE	MODEL NO.	SERVICE	LOCATION	TYPE	DRIVE	GPM	(FT)	(F)	%	HP	VOLT	PH	DISC	FEEDER SIZE	HZ	RPM	REMARKS	
DWCP-1	BELL & GOSSETT / ECOCIRC XL N 36-45	INSTITUTE CIRCULATION	KITCHEN	INLINE	ECM	20	15	40 - 140	49	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600		
DWCP-2	BELL & GOSSETT / ECOCIRC XL N 36-45	INN CIRCULATION	MECH	INLINE	ECM	20	15	40 - 140	49	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600		
DWCP-3	BELL & GOSSETT / ECOCIRC XL N 36-45	INN CIRCULATION	MECH	INLINE	ECM	20	15	40 - 140	49	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600	Α	
DWCP-4	BELL & GOSSETT / ECOCIRC XL N 36-45	SOLAR THERMAL CIRCULATION	MECH	INLINE	ECM	10	10	40 - 140	42.2	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600		
GENERAL NO	TES	·	•						•						*	· · · · · · · · · · · · · · · · · · ·		

1. PROVIDE A HIGHLY EFFICENT ELECTRONICALLY COMMUTATED PERMANENT MAGNET MOTOR (ECM/PM TECHNOLOGY)

2. PROVIDE ALL STAINLESS STEEL CONSTRUCTION, NSF-372 AND NSF-61 COMPLIANT. 3. PUMP SHALL BE SUPPLED WITH A CLOSED, PERFECTLY MOLDED INSULATION SHELL THAT FITS THE PUMP HOUSING EXACTLY.

4. PUMP SHALL BE CONNECTED TO A TEMPERATURE SENSOR THAT MAINTAINS A 5 DEGREE DELTA T IN THE HOT WATER CIRULATION LINE. 5. PUMP SHALL BE SUPPLIED WITH A BUILT-IN TEMPERATURE SENSOR.

6. PUMP SHALL BE PROVIDED WITH A 1.5" SUCTION AND DISCHARGE FLANGES.

REMARK NOTES

A. 100% STANDBY OPERATION. PROVIDE AUTOMATIC LEAD/STANDBY CHANGEOVER BASED ON RUN TIME.

CODE	DESCRIPTION	CW CONN.	HW CONN.	SAN CONN.	IW CONN.	VENT CONN.	ACCESSORIES / COMMENTS
WASH	WASHING MACHINE	(2) 3/4"	(2) 3/4"	-	3"	-	VB
REF	REFRIGERATOR W/ ICE MAKER	1/2"	-	-	-	-	VB, FLTR
ICE	ICE MAKER	1/4"	-	-	(2) 3/4"	-	RPZ, FLTR
WD	WATER DISPENSER	1/2"	-	1-1/2"	-	1-1/2"	VB
LCS	LAUNDRY CHUTE SANITATION UNIT	3/4"	-	-	-	-	VB
DW	DISHWASHER, UNDERCOUNTER	-	3/8"	3/4"	-	-	
FWD	FOOD WASTE DISPOSER	-	-	1-1/2", 3/4"	-	-	INCLUDES DISHWASHER CONNECTION

GENERAL NOTES

1. PLUMBING DESIGN AND SIZES ARE BASED ON THE 2015 INTERNATIONAL PLUMBING CODE.

2. ALL EXPOSED PIPING SERVING PLUMBING FIXTURES THAT MAY BE USED FOR ADA PURPOSES SHALL TRAPS AND SUPPLIES INSULATED PER ADA REQUIREMENTS.

3. EACH PLUMBING FIXTURE SHALL BE PROVIDED WITH A P-TRAP, EXCEPT THOSE WITH INTEGRAL TRAPS. 4. EXTEND INDIRECT WASTE TO NEAREST FLOOR DRAIN OR FLOOR SINK, UNLESS OTHERWISE NOTED ON PLANS.

ACCESSORY CODES VB = VACUUM BREAKER

RPZ = REDUCED PRESSURE ZONE ASSEMBLY TP = TRAP PRIMER MV = POINT-OF-USE MIXING VALVE, ASSE 1070 COMPLIANT FLTR = FILTER

			V	VATI	ER TREA	ATMENT SC	HEDULE								
	GENEF	RAL	CONTROLLER												
					FLOW	TOTAL SYSTEM	WORKING								l
			MANUFACTURER/	QTY	RATE	FLOW RATE	PRESSURE	MANUFACTURER/							
CODE	SERVICE	LOCATION	MODEL NO.		(EA) (GPM)	(GPM)	(PSI)	MODEL NO.	AMPS	VOLT	PH	HZ	DISC	FEEDER SIZE	REMARKS
CSI-1	INN	WATER ROOM	LIQUITECH/ QF14-4/4 LIQUITECH MARK III CLEAN	1	20	20	150	S300	8	120	1	60	30	2#12, #12G, 3/4"C	
			FLOW 4" "QUICK-CONNECT" FLOW CELL												

GENERAL NOTES

1. COPPER SILVER IONIZATION SYSTEMS SHALL BE PROVIDED WITH (1) DIAGNOSTICS TFX ULTA TANSIT-TIME FLOW METER, (1) MODEL DC1200 COPPER COLORIMETER TEST KIT, AND (1) REMS REMOTE ENGINEER MONITORING SYSTEM PER LIQUITECH MODULE.

3. CONTROLLER SHALL BE LIQUITECH ELECTRONIC CONTROL UNIT WITH "PROPORATIONAL CONTROL" AND REMOTE MONITORING.

4. PROVIDE (1)SPARE FLOW CELL 5. ALL WETTED COMPONENTS SHALL COMPLY WITH NSF-61

6. FLOW CELL SHALL BE VERTICALLY MOUNTED

REMARK NOTES

	DOMESTIC WATER HEATER SCHEDULE (ELECTRIC)																	
	DOMESTIC WITTER TELEVISION																	
CODE	MANUFACTURER/			STORAGE	RECOVERY	TEMP.		DIM	ENSIONS	S (IN)	OPERATING				ELECTR	CAL		I
(DWH)	MODEL NO.	LOCATION	SERVICE	(GAL)	(GPH)	RISE	KW	L	W	Н	WEIGHT (LB)	VOLT	PH	FLA	DISC	FEEDER SIZE	PANEL	REMARKS
DWH-1	PVI / DURAWATT 650-L-200A-VE	1ST FL STORAGE/ CLOSET	INSTITUTE	200	515	100	126	44	34	75	2820	480	3	151.6	200	3#3/0,#6G,2"C		1
DWH-2	PVI / DURAWATT 650-L-200A-VE	1ST FL STORAGE/ CLOSET	INSTITUTE	200	515	100	126	44	34	75	2820	480	3	151.6	200	3#3/0,#6G,2"C		
DWH-3	PVI / DURAWATT 550-L-150A-VE	1ST FL WATER SERVICE RM	INN	150	440	100	108	44	34	63	2343	480	3	129.9	200	3#3/0,#6G,2"C		
DWH-4	PVI / DURAWATT 550-L-150A-VE	1ST FL WATER SERVICE RM	INN	150	440	100	108	44	34	63	2343	480	3	129.9	200	3#3/0,#6G,2"C		

GENERAL NOTES

1. HEAT EXCHANGER AND TANK TO BE ASSEMBLED AT THE FACTORY AND SHIPPED FULLY ASSEMBLED. 2. HOT WATER HEATER SHALL BE FURNISHED WITH IMMERSION THERMOSTAT.

3. ROUTE ALL T&P RELIEF VALVES TO APPROVED RECEPTOR. ALL T&P RELIEF VALVES SHALL BE ACSA-RATED. 4. MUST BE NSF APPROVED.

5. TANK SHALL BE AN AQUAPLEX TANK (UNLINED DUPLEX STAINLESS STEEL)

6. TANK SHALL BE NON-FERROUS, REMOVABLE TANK FITTINGS. NO ANODE RODS SHALL BE REQUIRED. 7. TANK SHALL BE SUPPLIED WITH FIBERGLASS INSULATION AND ENCLOSED IN STEEL JACKET PANELS.

8. TANK SHALL BE FURNISHED WITH A 25-YEAR WARRANTY. 9. MOUNT TANK ON 4" HOUSEKEEPING PAD.

REMARK NOTES

			DOMESTIC WAT	ER STORAGE	TANK SCHEDU	LE				
CODE	MANUFACTURER/					D	IMENSION	l (IN)	WEIGHT	
(ST)	MODEL NO.	LOCATION	TYPE	GALLONS	ORIENTATION	L	W	Н	(LBS)	REMARKS
ST-1	PVI/ L215A-TR	1ST FL STORAGE	INSULATED & JACKETED	200	VERTICAL	37	34	78	2565	
ST-2	PVI/ L215A-TR	1ST FL STORAGE	INSULATED & JACKETED	200	VERTICAL	37	34	78	2565	

GENERAL NOTES

1. ENTIRE TANK TO BE FULLY INSULATED TO MEET ASHRAE 90.1-07. 2. TANK SHALL BE PROVIDED WITH CONNECTIONS FOR AQUA-STAT, RELIEF VALVE, DRAIN, THERMOMETER WATER INLET, WATER OUTLET, AND WATER RECIRCULATION.

3. MOUNT UNIT ON 4" CONCRETE HOUSEKEEPING PAD. 4. ROUTE ALL T&P RELIEF VALVES TO APPROVED RECEPTOR. ALL T&P RELIEF VALVES SHALL BE ACSA-RATED.

5. MUST BE NSF APPROVED. 6. TANK SHALL BE AN AQUAPLEX TANK (UNLINED DUPLEX STAINLESS STEEL)

7. TANK SHALL BE NON-FERROUS, REMOVABLE TANK FITTINGS. NO ANODE RODS SHALL BE REQUIRED. 8. TANK SHALL BE SUPPLIED WITH FIBERGLASS INSULATION AND ENCLOSED IN STEEL JACKET PANELS.

9. TANK SHALL BE FURNISHED WITH A 25-YEAR WARRANTY.

REMARKS

					EXPAI	NSION TAN	IK SCHEE	ULE					
			DESI	GN PARAME	TERS	OPERATING PA	ARAMETERS						
			SYSTEM			RELIEF VALVE	CW MU			MIN.			
			VOLUME	MIN.	MAX	SETTING	PRV REQ'T			ACCEPT.	PRECHARGE	MANUFACTURER/	
CODE	SERVICE	LOCATION	(GAL)	TEMP (F)	TEMP (F)	(PSIG)	(PSIG)	CONFIG	TYPE	(GAL)	(PSIG)	MODEL NUMBER	REMARKS
DET-1	INSTITUTE DOM. HW	INSTITUTE - 1ST FL STORAGE	800	40	140	100	80	V	D	68	55	AMTROL/ ST-120V-C	
DET-2	INN DOM. HW	INN - 1ST FL WATER RM	300	40	140	100	80	V	D	34	55	AMTROL/ ST-70V-C	

GENERAL NOTES 1. TYPE: B=FULL BLADDER D=PARTIAL DIAPHRAGM

REMARKS

PLUMBING SCHEDULES II SCALE: AS INDICATED

P0.11

09/03/2019 100% DESIGN DEVELOPMENT
12/13/2019 50% CONSTRUCTION DOCUMENTS
04/12/2020 95% CONSTRUCTION DOCUMENTS
04/15/2020 ISSUED FOR PERMIT
05/01/2020 ISSUED FOR CONSTRUCTION
07/01/2020 GMP SET

12/18/2020 FINAL GMP SET 06/21/2021 BID SET

INSTITUTE 18010.00