

				UMBING WATEI	R SOFTEN		DULE				\downarrow		PLUMBING FIXTURE C	ONNEC	ΓΙΟΝ ξ	3CHED	JLE	
MARK	SERVICE	LOCATION	EXCHANGE CAPACITY (KGR @ SALT DOSAGE	CONTINUOUS	PER TANK (NO PEAK E (GPM)	DTE 3) BACKWASH (GPM)	PIPE SIZE (IN)	RESIN VOLUME FT3	MANUFACTURER & MODEL NO.	NOTES	ITEM	FIXTURE	DESCRIPTION	S	CONNEC V	CTIONS CW	HW	REMARKS
WS-1	DOMESTIC WATER	WATER ENTRY	1500 @ 750	190	320	(0)	4	50	CULLIGAN HS-1504 DUPLEX	1, 2, 3, 4	WC-1	WATER CLOSET	FLOOR SET, TANK TYPE	4"	2"	1/2"	-	RESIDENTIAL UNITS, NOTE 1.
											WC-2	WATER CLOSET	FLOOR SET, FLUSH VALVE	4"	2"	1-1/2"	-	AMENITY/PUBLIC, NOTE 1.
	AL: 120 V AC, 1 PH, 60 HZ.										L-1	LAVATORY	COUNTERSET, ADA	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDE THERMOSTATIC MIXING VALVE FOR FAU NOTE 1
. LISTED EQ			THER MANUFACTURERS MEETIN	G THE PERFORMANCE R	EQUIREMENTS	ARE ACCEPTABI	LE.				S-1	SINK	COUNTERSET	2"	1-1/2"	1/2"	1/2"	PROVIDE THERMOSTATIC MIXING VALVE FOR FAU NOTE 1 AND 2.
				_		_	•				SH-1	SHOWER	SHOWER VALVE WITH STOPS, SHOWER HEAD,	2"	1-1/2"	1/2"	1/2"	NOTE 1.
1	1 A	A A .			\neg		$ \rightarrow $	$ \rightarrow $					HAND SHOWER SYSTEM (ADA)			1		
			L.L.L					\sim			SH-2	SHOWER/BATHTUB COMBO	HAND SHOWER SYSTEM (ADA) SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA)	2"	1-1/2"	1/2"	1/2"	NOTE 1.
			L.L.L										SHOWER VALVE WITH STOPS, SHOWER HEAD,	2"	1-1/2" 1-1/2"	1/2"	1/2"	
			DESCRIPTION	PLUI	MBING SA					REMARKS	SH-2	SHOWER/BATHTUB COMBO	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA)					NOTE 1.
				PLUI	MBING SA				HEDULE		SH-2 BT-1	SHOWER/BATHTUB COMBO BATHTUB	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA)	1-1/2" 1-1/2"	1-1/2"	1/2"		NOTE 1. NOTE 1.
				PLUI	MBING SA	AND OIL IN APACITY ONS		PTOR SC	HEDULE		SH-2 BT-1 EWC-1	SHOWER/BATHTUB COMBO BATHTUB ELECTRIC WATER COOLER	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA) FREE STANDING TUB CHICAGO 445-897SRXKCCP FAUCET, FIAT MSB2424 MOP BASIN W/E88AA24 BUMPER	1-1/2" 1-1/2"	1-1/2" 1-1/2"	1/2" 1/2"	-	NOTE 1. NOTE 1.
		ITEM	DESCRIPTION	PLUI	WATER CA	AND OIL IN APACITY ONS INLE 6 4	CONNECT INCHES	PTOR SC	MANUF. & MODEL NO.		SH-2 BT-1 EWC-1 MS-1	SHOWER/BATHTUB COMBO BATHTUB ELECTRIC WATER COOLER MOP SINK	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA) FREE STANDING TUB CHICAGO 445-897SRXKCCP FAUCET, FIAT MSB2424 MOP BASIN W/E88AA24 BUMPER GUARDS	1-1/2" 1-1/2"	1-1/2" 1-1/2" 1-1/2"	1/2" 1/2" 1/2"	-	NOTE 1. NOTE 1.
		ITEM SOI-1	DESCRIPTION SAND OIL INTERCEPTOR	PLUI LOCATION & SERVICE TOWER A, LVL P2	WATER CA GALLO 396	APACITY ONS INLE 6 4 6 4	CONNECT INCHES	PTOR SC	MANUF. & MODEL NO.	REMARKS	SH-2 BT-1 EWC-1 MS-1 HB-1	SHOWER/BATHTUB COMBO BATHTUB ELECTRIC WATER COOLER MOP SINK HOSE BIBB	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA) FREE STANDING TUB CHICAGO 445-897SRXKCCP FAUCET, FIAT MSB2424 MOP BASIN W/E88AA24 BUMPER GUARDS CHICAGO 952-XKCP	1-1/2" 1-1/2" 3" -	1-1/2" 1-1/2" 1-1/2" -	1/2" 1/2" 1/2" 1/2"	1/2" - 1/2" - -	NOTE 1. NOTE 1. NOTE 1.

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	PLU	JMBING WATE	R SOFTENE	R SCHE	DULE						PLUMBING FIXTURE C	ONNEC	TION	SCHEE	DULE	
	EXCHANGE		PER TANK (NOTE		PIPE SIZE	RESIN	MANUFACTURER			FIXTURE	DESCRIPTION		CONNE	CTIONS		REMARKS
LOCATION	CAPACITY (KGR @ SALT DOSAGE)	CONTINUOUS (GPM)		CKWASH (GPM)	(IN)	VOLUME FT3	& MODEL NO.	NOTES		FIXTURE	DESCRIPTION	S	V	CW	HW	- REMARKS
WATER ENTRY	1500 @ 750	190	320		4	50	CULLIGAN HS-1504 DUPLEX	1, 2, 3, 4	۲ wc-1	WATER CLOSET	FLOOR SET, TANK TYPE	4"	2"	1/2"	-	RESIDENTIAL UNITS, NOTE 1.
								7	WC-2	WATER CLOSET	FLOOR SET, FLUSH VALVE	4"	2"	1-1/2"	-	AMENITY/PUBLIC, NOTE 1.
				I) L-1	LAVATORY	COUNTERSET, ADA	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDE THERMOSTATIC MIXING VALVE FOR FAUCET, NOTE 1
	THER MANUFACTURERS MEETING	THE PERFORMANCE R	EQUIREMENTS AR	RE ACCEPTA	BLE.			λ) S-1	SINK	COUNTERSET	2"	1-1/2"	1/2"	1/2"	PROVIDE THERMOSTATIC MIXING VALVE FOR FAUCET. NOTE 1 AND 2.
				\prec	$ \rightarrow $		L.L.L	m m m m m m m m m m m m m m m m m m m	SH-1	SHOWER	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA)	2"	1-1/2"	1/2"	1/2"	NOTE 1.
				<u> </u>					SH-2	SHOWER/BATHTUB COMBO	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA)	2"	1-1/2"	1/2"	1/2"	NOTE 1.
		PLU	MBING SAN		NTERCEP	TOR SC	HEDULE		BT-1	BATHTUB	FREE STANDING TUB	1-1/2"	1-1/2"	1/2"	1/2"	NOTE 1.
ITEM	DESCRIPTION	LOCATION & SERVICE	WATER CAP/ GALLON	ACITY	CONNECTI INCHES		MANUF. & MODEL NO.	REMARKS	EWC-1	ELECTRIC WATER COOLER		1-1/2"	1-1/2"	1/2"	-	NOTE 1.
					ILET OUTLE	T VENT			MS-1	MOP SINK	CHICAGO 445-897SRXKCCP FAUCET, FIAT MSB2424 MOP BASIN W/E88AA24 BUMPER GUARDS	3"	1-1/2"	1/2"	1/2"	
SOI-1	SAND OIL INTERCEPTOR	TOWER A, LVL P2	396		4 4	2	MIFAB MI-20-4-C-HD		HB-1	HOSE BIBB	CHICAGO 952-XKCP	-	-	1/2"	-	
SOI-2	SAND OIL INTERCEPTOR	TOWER B, LVL B	396		4 4	2	MIFAB MI-20-4	ABOVE FLOOR INSTALLATION	WH-1	WALL HYDRANT	WOODFORD B67	-	-	3/4"	-	NON-FREEZE
SOI-3	SAND OIL INTERCEPTOR	TOWER C, EXTERIOR	500		4 4	2	REFER TO CIVIL DRAWINGS		WB-1	WALL BOX	GUY GRAY SSIB2AB	-	-	1/2"	-	FOR ICE MAKER OR COFFEE MAKER, WITH DCV-1 AT EACH CONNECTION.
NOTES:									WWB-1	WASHER WALL BOX	WATTS A2C-SC-WB	2"	1-1/2"	1/2"	1/2"	AUTOMATIC SHUT OFF WITH LEAK SENSOR.
									NOTES: 1. REFERENCE	E OLSON KUNDIG SPECIFICATION	S APPENDIX A FOR MANUFACTURER AND MODEL OF	FIXTURE	AND TRIM	L AT EACH L		

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			PLUMBING DR	AIN SCHEDULE		
TYPE	DESCRIPTION	SIZE	MANUFACTURER	MODEL NUMBER	GRATE	NOTES
FD-1	FLOOR DRAIN	SEE DWGS.	JR SMITH	2005Y		ROUND TOP, NOTE 2
FD-2	FLOOR DRAIN	SEE DWGS.	JR SMITH	2140Y	CAST IRON	PROVIDE TRAP PRIMER CONNECTION
FD-3	FLOOR DRAIN	6"			FRP	FOR POOL EQUIP. RM SUMP
FS-1	FLOOR SINK	SEE DWGS.	JR SMITH	3100Y-21		WITH 4" FUNNEL & TRAP PRIMER CONNECTION
FS-2	FLOOR SINK	SEE DWGS.	JR SMITH	3100Y		TRAP PRIMER CONNECTION
GD-1	GARAGE DRAIN	4"	JR SMITH	2450Y-M		
TD-1	TRENCH DRAIN	SEE DWGS.	JR SMITH	9930	9870-462-DGC	
LD-1	LINEAR DRAIN	2"	SCHLUTER KERDI			FOR SHOWERS, REFER TO ARCHITECTURAL
RD-1	ROOF DRAIN	SEE DWGS.	JR SMITH	1031Y	POLYETHYLENE DOME	IRMA ROOF, NOTE 1
ORD-1	OVERFLOW ROOF DRAIN	SEE DWGS.	JR SMITH	1037Y	POLYETHYLENE DOME	IRMA ROOF, NOTE 1
DN-1	DOWNSPOUT NOZZLE	SEE DWGS.	JR SMITH	1770	-	CAST BRONZE
HD-1	HUB DRAIN	SEE DWGS.				

1. OMIT DOME WHERE DRAIN IS USED BELOW PEDESTAL PAVERS. 2. PROVIDE TRAP PRIMER CONNECTION WHERE INDICATED ON DWGS. BY "TP" AT DRAIN SYMBOL.

2. PROVIDE 1/2" HW SHUT-OFF VALVE FOR EA. DISHWASHER CONNECTION AT LOCATIONS WITH DISHWASHER(S).

			PLUMB	ING BACK FLO		OR SCHEI	DULE			
ITEM	LOCATION	SERVICE	VALVE	PRESSURE		APACITY - GPM	SIZE - INC			REMARKS
	LOCATION	SERVICE	VALVE	INLET	OUTLET	APACITY - GPM	SIZE - INC		FACTURER	REMARKS
RPBP-1	WATER ENTRY AND BOILER P239	DOMESTIC WATE	R OS&Y	70.00	63		6"	WAT	rs 957-fs	LEAD-FREE, WITH INTEGRATED FLOOD SENSOR
RPBP-2	WATER ENTRY AND BOILER P239	POOL MAKE-UP WA	TER BALL	80.00	68	50	1-1/2"	WATT	S LF919-QT	LEAD-FREE
DCVA-1	AMENITY AREAS	DOMESTIC WATE	R CHECK	50.00	46	1	1/2"	WAT	TTS LF9D	LEAD-FREE
					PLUN	BING TAN	NK SCHE	DULE		
		MARK	SERVICE	LOCATION	TYPI	E	TANK VOL. (GAL)	PRESSURE RATING (PSI)	MANUFACTURER & MODEL NO.	NOTES
		BT-1	WATER SERVICE BREAK TANK	BLDG B, LVL P2, ROOM P239	VERTIC	CAL	906	-	FLOWTHERM BT-90	10 GA. STAINLESS STEEL, NOTE 3
		ET-1	WATER SERVICE EXPANSION TANK	BLDG B, LVL P2, ROOM P239	FULL ACCE REPLACEABLE		53	150	AMTROL ST-447C	

MARK	SERVICE	LOCATION	TYPE	TANK VOL. (GAL)	PRESSURE RATING (PSI)	MANUFACTURER & MODEL NO.
BT-1	WATER SERVICE BREAK TANK	BLDG B, LVL P2, ROOM P239	VERTICAL	906	-	FLOWTHERM BT-906
ET-1	WATER SERVICE EXPANSION TANK	BLDG B, LVL P2, ROOM P239	FULL ACCEPTANCE REPLACEABLE BLADDER	53	150	AMTROL ST-447C
HT-1	HYDROPNEUMATIC TANK	BLDG B, LVL P2, ROOM P239	REPLACEABLE BLADDER	53	150	GRUNDFOS GFXA-20
ST-1	DOMESTIC HOT WATER STORAGE	BLDG B, LVL P2, ROOM P239	VERTICAL	499	150	RAYPAK

2. LISTED EQUIPMENT MANUFACTURERS ARE THE BASIS OF DESIGN. OTHER MANUFACTURERS MEETING THE PERFORMANCE REQUIREMENTS ARE ACCEPTABLE. 3. 120V POWER FOR SOLENOID FILL VALVE AND LEVEL SENSING TRANSDUCER. PROVIDE INLET PIPING CONNECTION WITHOUT FUNNEL AND AIR GAP WITH INLET DISCHARGES 12 INCHES ABOVE OVERFLOW OUTLET

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4. PRODUCT COMPLY WITH NSF STANDARD 61.

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					PLUMB	ING GAS	S WATE	ER HEA	TER S	CHEDULE					
			NATUR	RAL GAS CHARACTE	RISTICS	ELECTRICAL CHARACTERISTICS				WATER CHARACTERISTICS					
MARK	SERVICE	LOCATION/ SERVICE	INPUT MBH	EFFICIENCY	PRESSURE IN- WC	AMPS	v	PH	ΗZ	AIC TANK VOLUME GAL	RECOVERY CAPACITY GPH	EWT DEG F	LWT DEG F	MANUFACTURER BASIS OF DESIGN	NOTES
B-1	DOMESTIC HOT WATER	BLDG B, LVL P2, ROOM P239	1500	97%		5.00	120	1	60	120	4409 GPH	40	140	RAYPAK XTHERM 1505A	1, 2, 3, 4, 5, 6, 7, 8
B-2	DOMESTIC HOT WATER	BLDG B, LVL P2, ROOM P239	1500	97%		5.00	120	1	60	120	4409 GPH	40	140	RAYPAK XTHERM 1505A	1, 2, 3, 4, 5, 6, 7, 8
IOTES:		I	I I_		11		1	1		1 1	1	1	<u>1 </u>		

. PROVIDE WITH P & T VALVE. 2. 3/4" DRAIN CONNECTION.

3. 2-1/2" WATER CONNECTION. 4. 1-1/4" GAS CONNECTION.

5. SIZE: 50" X 31-1/8" X 67-1/8" TALL, SHIPPING WEIGHT: 1234 LBS 6. 8" DIA. FLUE,

7. SEE INSTALLATION MANUAL FOR LOW VOLTAGE WIRING REQUIREMENTS. 8. FOR OPERATION AT 8400' ELEVATION.

			PLU	JMBIN	IG PU	MP SC	HEDUI	E			
						MO	TOR				
ITEM	DESCRIPTION	LOCATION/ SERVICE	CAP GPM	TDH	HP	RPM	v	РН	MANUF. & MODEL NO.	REMARKS	
ESP-1	ELEVATOR SUMP PUMP	TOWER A, ELEVATOR S1	50	22	0.50	3450	480	3	STANCOR SV50 OIL MINDER	NOTES 1, 2, 3, 4	
ESP-2	ELEVATOR SUMP PUMP	TOWER A, ELEVATOR T1	50	22	0.50	3450	480	3	STANCOR SV50 OIL MINDER	NOTES 1, 2, 3, 4	
ESP-3	ELEVATOR SUMP PUMP	TOWER A, ELEVATOR T2	50	22	0.50	3450	480	3	STANCOR SV50 OIL MINDER	NOTES 1, 2, 3, 4	
ESP-4	ELEVATOR SUMP PUMP	TOWER B, ELEVATOR T3	50	22	0.50	3450	480	3	STANCOR SV50 OIL MINDER	NOTES 1, 2, 3, 4	
ESP-5	ELEVATOR SUMP PUMP	TOWER B, ELEVATOR T4	50	22	0.50	3450	480	3	STANCOR SV50 OIL MINDER	NOTES 1, 2, 3, 4	
ESP-6	ELEVATOR SUMP PUMP	TOWER C, ELEVATOR T5	50	22	0.50	3450	480	3	STANCOR SV50 OIL MINDER	NOTES 1, 2, 3, 4	
BP-1	BOOSTER PUMP	TOWER B WATER ENTRY P239	386	275	15(4)	3599	480	3	GRUNDFOS HYDRO MPC-E 4CRE 20-6	PROVIDE SPARE PUMP, NOTE \$	
CP-1	CIRCULATING PUMP	TOWER B WATER ENTRY P239	31	35	1.00	-	208	1	BELL & GOSSET ECOCIRC XL B 65-130	LEAD-FREE, NOTE 2	
CP-2	CIRCULATING PUMP	TOWER B WATER ENTRY P239	31	35	1.00	-	208	1	BELL & GOSSET ECOCIRC XL B 65-130	LEAD-FREE, NOTE 2	
SEP-1	SEWAGE EJECTOR	TOWER A, LEVEL B	27	30	2.00	-	208	1	LIBERTY LSG202A		
SEP-2	SEWAGE EJECTOR	TOWER A, LEVEL B	27	30	2.00	-	208	1	LIBERTY LSG202A		
SEP-3	SEWAGE EJECTOR	TOWER A, MECHANICAL A017	27	30	2.00	-	208	1	LIBERTY LSG202A		
SEP-4	SEWAGE EJECTOR	TOWER A, MECHANICAL A017	27	30	2.00	-	208	1	LIBERTY LSG202A		
SEP-5	SEWAGE EJECTOR	TOWER B, DOMESTIC WATER SERVICE ROOM B013	50	40	1.50	-	208	1	LIBERTY XLE150		
SEP-6	SEWAGE EJECTOR	TOWER B, DOMESTIC WATER SERVICE ROOM B013	50	40	1.50	-	208	1	LIBERTY XLE150		

3. PROVIDE VENDOR CONTROLS AS REQUIRED FOR COMPLETE OPERATION

4. PROVIDE WITH HIGH WATER ALARM 5. PRODUCT COMPLY WITH NSF STANDARD 61.

ITEM	QTY	LOCATION	SERVICE	MBH INPUT	CONN SIZE (NPS)	REQUIRED MIN. INLET PRESSURE	MBH TOTALS	REMARKS
RESIDENTIAL FIREPLACE		LIVING ROOM	AMENITY	51.0		7" W.C.		4% DERATE FOR EACH 1000 FT ABV SEA LEVE
RESIDENTIAL FIREPLACE		BEDROOM	AMENITY	44.0				
RESIDENTIAL FIREPLACE, EXTERIOR	1	PENTHOUSE DECK	AMENITY	75.0				UNIT B703 (TYPE K), EST MBH
RESIDENTIAL FIRE PITS	14	UNIT DECKS	AMENITY	69.0			966	
RESIDENTIAL BBQ	53	FUTURE	AMENITY	75.0		7" W.C.	3,600	
RESIDENTIAL STOVE	53	UNIT KITCHEN		97.0			5,141	
LANDSCAPE FIREPITS	2	POOL DECK	AMENITY	75.0			150	INCITE-T
ANDSCAPE FIRE FEATURE, CUSTOM	1	TOWER B PATIO	AMENITY	525.0			525	35' LONG FIRE PIT, EST MBH
ANDSCAPE FIRE FEATURE, CUSTOM	1	TOWER B PATIO	AMENITY					CIRCULAR FIRE PIT, EST MBH
POOL HEATER	1	TOWER B, PARKING LEVEL	AMENITY	1,900.0			1,900	
MECHANICAL BOILERS	1	TOWER A, LEVEL P2	TOWER A HEATING	3,600.0			3,600	
MECHANICAL BOILERS	1	TOWER B, LEVEL P1	TOWER B HEATING	3,600.0			3,600	
MECHANICAL BOILERS	1	TOWER C, LEVEL 1	TOWER C HEATING	3,600.0			3,600	
MECHANICAL BOILERS	1	TOWER B, LEVEL P1	SNOWMELT	14,400.0			14,400	
MECHANICAL UNIT HEATER	1	GARAGE ENTRANCE	TOWER A HEATING	437.0			437	
MECHANICAL UNIT HEATER	1	GARAGE ENTRANCE	TOWER B HEATING	437.0			437	
MECHANICAL UNIT HEATERS	1	GARAGE ENTRANCES	TOWER C HEATING	557.0			557	
PLUMBING BOILERS	2	TOWER B, PARKING LEVEL	DOMESTIC HOT WATER	1,500.0			3,000	
KITCHEN EQUIPMENT	1	TOWER A, LEVEL 1	RESTAURANT				961	RESTAURANT METER
LANDSCAPE FIRE PITS	2	RESTAURANT PATIO	AMENITY	75.0			150	RESTAURANT METER

24" DIA x 43"H, NOTE 4

GLASS LINING, 42" DIA x 92" H

