			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.				

NOTES:	

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

3. 1" AIR GAP REQUIRED AT ALL INSTANCES OF AN INDIRECT DRAIN DISCHARGING TO A FLOOR DRAIN OR FLOOR SINK. PROVIDE UNISTRUT OR SIMILAR PIPE SUPPORT AS NECESSARY TO GUARANTEE REQUIRED AIR GAP.

B	

			PLU	IMBING WA	TER SOFTI	ENER SCHI	EDULE			
MARK	SERVICE	LOCATION	EXCHANGE CAPACITY (KGR @ SALT DOSAGE)	FLOW RA CONTINUOUS (GPM)	PEAK (GPM)	(NOTE 3) BACKWASH (GPM)	PIPE SIZE (IN)	RESIN VOLUME FT3	MANUFACTURER & MODEL NO.	NOTES
WS-1	DOMESTIC WATER	WATER ENTRY	1500 @ 750	190	320		4	50	CULLIGAN HS-1504 DUPLEX	1, 2, 3, 4

1. ELECTRICAL: 120 V AC, 1 PH, 60 HZ. 2. LISTED EQUIPMENT MANUFACTURER IS THE BASIS OF DESIGN. OTHER MANUFACTURERS MEETING THE PERFORMANCE REQUIREMENTS ARE ACCEPTABLE.

3. PRESSURE LOSS 6 PSI AT CONTINUOUS FLOW. MAX PRESSURE LOSS 15 PSI AT PEAK FLOW.

4. PROVICE MODBUS/BACNET CONNECTION FOR INTEGRATION WITH BMS.

		PLUM	BING SAND OII	LINIE	RCEPT	OK SC	HEDULE	
ITEM DESCRIPTION		LOCATION & SERVICE	WATER CAPACITY GALLONS	C	ONNECTION INCHES	NS	MANUF. & MODEL NO.	REMARKS
				INLET	OUTLET	VENT		
SOI-1	SAND OIL INTERCEPTOR	TOWER A, LVL P2	396	4	4	2	MIFAB MI-20-4-C-HD	
SOI-2	SAND OIL INTERCEPTOR	TOWER B, LVL B	396	4	4	2	MIFAB MI-20-4	ABOVE FLOOR INSTALLATION
SOI-3	SAND OIL INTERCEPTOR	TOWER C, EXTERIOR	500	4	4	2	REFER TO CIVIL DRAWINGS	

		PLUMBING FIXTURE C	ONNE	CTION	SCHED	ULE	
ITEM	FIVTURE	DESCRIPTION		CONNE	CTIONS		DEMARKS
I I EIVI	FIXTURE	DESCRIPTION	S	V	CW	HW	REMARKS
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.
L-1	LAVATORY	COUNTERSET, ADA	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDE THERMOSTATIC MIXING VALVE FOR FAUCET, NOTE 1
S-1	SINK	COUNTERSET	2"	1-1/2"	1/2"	1/2"	PROVIDE THERMOSTATIC MIXING VALVE FOR FAUCET. NOTE 1 AND 2.
SH-1	SHOWER	SHOWER VALVE WITH STOPS, SHOWER HEAD, HAND SHOWER SYSTEM (ADA)	2"	1-1/2"	1/2"	1/2"	NOTE 1.
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.
BT-1	BATHTUB	FREE STANDING TUB	1-1/2"	1-1/2"	1/2"	1/2"	NOTE 1.
EWC-1	ELECTRIC WATER COOLER		1-1/2"	1-1/2"	1/2"	-	NOTE 1.
MS-1	MOP SINK	CHICAGO 445-897SRXKCCP FAUCET, FIAT MSB2424 MOP BASIN W/E88AA24 BUMPER GUARDS	3"	1-1/2"	1/2"	1/2"	
HB-1	HOSE BIBB	CHICAGO 952-XKCP	-	-	1/2"	-	
WH-1	WALL HYDRANT	WOODFORD B67	-	-	3/4"	-	NON-FREEZE
WB-1	WALL BOX	GUY GRAY SSIB2AB	-	-	1/2"	-	FOR ICE MAKER OR COFFEE MAKER, WITH DCV-1 AT EACH CONNECTION.

1. REFERENCE OLSON KUNDIG SPECIFICATIONS APPENDIX A FOR MANUFACTURER AND MODEL OF FIXTURE AND TRIM AT EACH LOCATION.

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

	PLUMBING BACK FLOW PREVENTOR SCHEDULE											
ITEM	LOCATION	SERVICE	VALVE	PRESSU	JRE - PSIG	CADACITY CDM	SIZE - INCH	MANUFACTURER	REMARKS			
IIEW		SERVICE	VALVL	INLET	OUTLET	CAPACITY - GPM	SIZE - INCH	MANUFACTURER				
RPBP-1	WATER ENTRY AND BOILER P239	DOMESTIC WATER	OS & Y	70.00	63		6"	WATTS 957-FS	LEAD-FREE, WITH INTEGRATED FLOOD SENSOR			
RPBP-2	WATER ENTRY AND BOILER P239	POOL MAKE-UP WATER	BALL	80.00	68	50	1-1/2"	WATTS LF919-QT	LEAD-FREE			
DCVA-1	AMENITY AREAS	DOMESTIC WATER	CHECK	50.00	46	1	1/2"	WATTS LF9D	LEAD-FREE			

			PLUMBING TA	ANK SCHI	EDULE			
MARK	SERVICE	LOCATION	TYPE	TANK VOL. (GAL)	PRESSURE RATING (PSI)	MANUFACTURER & MODEL NO.	NOTES	
BT-1	WATER SERVICE BREAK TANK	BLDG B, LVL P2, ROOM P239	VERTICAL	906	-	FLOWTHERM BT-906	10 GA. STAINLESS STEEL, NOTE 3	
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-200	24" DIA x 43"H, NOTE 4	
ST-1	DOMESTIC HOT WATER STORAGE	BLDG B, LVL P2, ROOM P239	VERTICAL	499	150	RAYPAK	GLASS LINING, 42" DIA x 92" H	
NOTES:	·					·		1

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

4. PRODUCT COMPLY WITH NSF STANDARD 61.

						PLUMB	ING GAS	S WATE	R HEA	ATER SO	CHE	DULE					
ſ				NATU	JRAL GAS CHARACTE	RISTICS	EL	ECTRICAL (	CHARACTI	ERISTICS		WA	TER CHARACTER	ISTICS			
	MARK	SERVICE	LOCATION/ SERVICE	INPUT MBH	EFFICIENCY	PRESSURE IN- WC	AMPS	V	PH	HZ	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

1. PROVIDE WITH P & T VALVE.

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

4. 1-1/4" GAS CONNECTION.

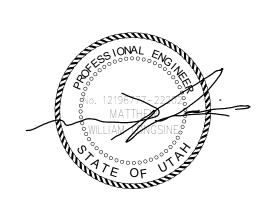
5. SIZE: 50" X 31-1/8" X 67-1/8" TALL, SHIPPING WEIGHT: 1234 LBS 6. 8" DIA. FLUE,

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

			PL	UMBII ——	NG PL	JMP SC	HEDUI	_ <b>L</b>		
						МО	TOR			
ITEM	DESCRIPTION	LOCATION/ SERVICE	CAP GPM	TDH	HP	RPM	V	PH	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, NOT
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	
SEP-7	SEWAGE EJECTOR	TOWER B, SEWAGE EJECTOR ROOM B016	10	20	0.40		115	1	LIBERTY LE40	γ γ γ
SEP-8	SEWAGE EJECTOR	TOWER B, SEWAGE EJECTOR ROOM B016	10	20	0.40	-	115	1	LIBERTY LE40	
SEP-9	SEWAGE EJECTOR	TOWER B, ROOM B004	15	13	0.33	-	115	1	LITTLE GIANT WRSC-6	UNDER SINK
1. PROVIDE IS: 2. PROVIDE TII 3. PROVIDE VE 4. PROVIDE W	OLATION VALVES & CHECK VALVE	FOR COMPLETE OPERATION								

LOCATION  LIVING ROOM  BEDROOM  PENTHOUSE DECK  UNIT DECKS  FUTURE  UNIT KITCHEN  POOL DECK	PLUMBING SERVICE  AMENITY  AMENITY  AMENITY  AMENITY  AMENITY	MBH INPUT  51.0  44.0  75.0  69.0	CONN SIZE (NPS)	REQUIRED MIN. INLET PRESSURE  7" W.C.	MBH TOTALS	REMARKS  4% DERATE FOR EACH 1000 FT ABV SEA LEVEL
LIVING ROOM  BEDROOM  PENTHOUSE DECK  UNIT DECKS  FUTURE  UNIT KITCHEN	AMENITY  AMENITY  AMENITY  AMENITY	51.0 44.0 75.0 69.0		PRESSURE	MBH TOTALS	4% DERATE FOR EACH 1000 FT ABV SEA LEVEL
BEDROOM  PENTHOUSE DECK  UNIT DECKS  FUTURE  UNIT KITCHEN	AMENITY  AMENITY  AMENITY	44.0 75.0 69.0		7" W.C.		
PENTHOUSE DECK  UNIT DECKS  FUTURE  UNIT KITCHEN	AMENITY	75.0 69.0				
UNIT DECKS  FUTURE  UNIT KITCHEN	AMENITY	69.0				
FUTURE  UNIT KITCHEN						UNIT B703 (TYPE K), EST MBH
UNIT KITCHEN	AMENITY	75.0			966	
				7" W.C.	3,600	
POOL DECK		97.0			5,141	
<del>+</del>	AMENITY	75.0			150	INCITE-T
TOWER B PATIO	AMENITY	525.0			525	35' LONG FIRE PIT, EST MBH
TOWER B PATIO	AMENITY					CIRCULAR FIRE PIT, EST MBH
OWER B, PARKING LEVEL	AMENITY	1,900.0			1,900	
TOWER A, LEVEL P2	TOWER A HEATING	3,600.0			3,600	
TOWER B, LEVEL P1	TOWER B HEATING	3,600.0			3,600	
TOWER C, LEVEL 1	TOWER C HEATING	3,600.0			3,600	
TOWER B, LEVEL P1	SNOWMELT	14,400.0			14,400	
GARAGE ENTRANCE	TOWER A HEATING	437.0			437	
GARAGE ENTRANCE	TOWER B HEATING	437.0			437	
GARAGE ENTRANCES	TOWER C HEATING	557.0			557	
OWER B, PARKING LEVEL	DOMESTIC HOT WATER	1,500.0			3,000	
TOWER A, LEVEL 1	RESTAURANT				961	RESTAURANT METER
RESTAURANT PATIO	AMENITY	75.0			150	RESTAURANT METER
		<del>                                     </del>	+		43,024	
(COV	GARAGE ENTRANCE  GARAGE ENTRANCES  GARAGE ENTRANCES  WER B, PARKING LEVEL 2  TOWER A, LEVEL 1  RESTAURANT PATIO	GARAGE ENTRANCE  GARAGE ENTRANCE  TOWER B HEATING  GARAGE ENTRANCES  TOWER C HEATING  WER B, PARKING LEVEL 2  DOMESTIC HOT WATER  TOWER A, LEVEL 1  RESTAURANT  AMENITY	GARAGE ENTRANCE TOWER A HEATING 437.0  GARAGE ENTRANCE TOWER B HEATING 437.0  GARAGE ENTRANCES TOWER C HEATING 557.0  WER B, PARKING LEVEL DOMESTIC HOT WATER 1,500.0  TOWER A, LEVEL 1 RESTAURANT  RESTAURANT PATIO AMENITY 75.0	GARAGE ENTRANCE TOWER A HEATING 437.0  GARAGE ENTRANCE TOWER B HEATING 437.0  GARAGE ENTRANCES TOWER C HEATING 557.0  WER B, PARKING LEVEL DOMESTIC HOT WATER 1,500.0  TOWER A, LEVEL 1 RESTAURANT  RESTAURANT PATIO AMENITY 75.0	GARAGE ENTRANCE TOWER A HEATING 437.0  GARAGE ENTRANCE TOWER B HEATING 437.0  GARAGE ENTRANCES TOWER C HEATING 557.0  WER B, PARKING LEVEL DOMESTIC HOT WATER 1,500.0  TOWER A, LEVEL 1 RESTAURANT  RESTAURANT PATIO AMENITY 75.0	GARAGE ENTRANCE         TOWER A HEATING         437.0         437           GARAGE ENTRANCE         TOWER B HEATING         437.0         437           GARAGE ENTRANCES         TOWER C HEATING         557.0         557           WER B, PARKING LEVEL 2         DOMESTIC HOT WATER         1,500.0         3,000           TOWER A, LEVEL 1         RESTAURANT         961           RESTAURANT PATIO         AMENITY         75.0         150

5. PRODUCT TO COMPLY WITH NSF STANDARD 61.



Reserved for permit stamp



Pool Consultant
Cloward H20
2696 N University Ave, Suite 290 Provo, UT 84604

<u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047

Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT Code Consultant Holmes 600 1st Avenue, Suite 200A Seattle, WA 98104

Fire Protection Engineer

Jensen Hughes

One Research Drive, Suite 305C

Westborough, MA 01581

Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101 Lighting Designer 1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219

Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

MEP Engineer
WSP USA 1001 Fourth Ave., Suite 3100 Seattle, WA 98154

principal architect \_\_\_\_\_ project manager\_\_\_\_\_ checked by <u>GM</u> job no. 2021-0595 date 5/31/2024

C 7/26/2024 ASI 2 B 5/31/2024 IFC 3 2 5/05/2023 PERMIT COMMENT RESPONSE 1 10/05/2022 PERMIT RESUBMITTAL

no. date

IFC Set 3 of 3 5/31/2024

PLUMBING SCHEDULES