	Р	LUMBING I	FIXTURE SCHEDULE
NO.	DESCRIPTION		REMARKS
<u>BP-1</u>	BACKFLOW PREVENTER	MODEL:	WILKINS 500RS
<u>FS-1</u>	FLOOR DRAIN	MODEL:	ZURN #Z-415
<u>S–1</u>	3-COMPARTMENT SINK	MODEL:	ELKAY RNSF-8358, 3 COMPARTMENT, STAINLESS STEEL SINK, WITH TWO (2) LK-66-B FAUCETS.
<u>WH-1</u>	WATER HEATER (ELECTRIC)	MODEL: CAPACITY: ELECTRICAL: FEATURES: RECOVERY:	A.O. SMITH DEL-30 30 GALLON TANK 208 VOLT; 3 PH; 60 HZ; 4000 WATT UPPER/4000 WATT LOWER DUAL SIMULTANEOUS BURNING ELEMENT WEIGHT: 340 (OPERATING) MAXIMUM THERMOSTAT SETTING OF 140 DEG F; FACTORY INSTALLED T7P RELIEF VALVE; BRASS DRAIN VALVE 54 GPH AT 60 DEG F RISE
<u>TP</u>	TRAP PRIMING VALVE	MODEL:	PPP #PR-500
FC0	FLOOR CLEANOUT	MODEL:	ZURN #ZN-1400-BP
wco	WALL CLEANOUT	MODEL:	ZURN #Z-1446

	PIPE MATEI	RIAL SCHEDULE
CODE	ITEM	SCOPE
SS V	SANITARY WASTE AND VENT PIPING ABOVE & BELOW GRADE	NO HUB CAST IRON PIPE AND FITTINGS WITH STANDARD STAINLESS STEEL SHIELDED COUPLING WITH NEOPRENE GASKETS.
CW HW	ABOVE GRADE DOMESTIC WATER PIPING	TYPE "L" COPPER PIPE AND COPPER FITTINGS WITH LEAD-FREE SOLDER JOINTS SIZES ½"-2" VICTAULIC JOINTS SIZES 2½"-4".
CD	CONDENSATE DRAINS ABOVE GRADE	TYPE "M" COPPER PIPE AND COPPER FITTINGS WITH LEAD-FREE SOLDER JOINTS SIZES 1/2"-2".
	SS V CW HW	CODE ITEM  SS SANITARY WASTE AND VENT V PIPING ABOVE & BELOW GRADE  CW ABOVE GRADE DOMESTIC WATER HW PIPING  CD CONDENSATE DRAINS ABOVE

	PLUME	BING SCOPE
CODE	ITEM	SCOPE
SS V	SANITARY WASTE AND VENT PIPING ABOVE & BELOW GRADE	SANITARY WASTE AND VENT SYSTEM STUBBED OUT 5'-0" FROM BUILDING
CW HW	DOMESTIC WATER PIPING	DOMESTIC HOT AND COLD WATER SYSTEMS FROM METER TO FIXTURES INCLUDING BACKFLOW PREVENTORS. HOT WATER SYSTEM TO BE INSULATED TO TITLE 24.
CD	CONDENSATE	CONDENSATE PRIMARY AND SECONDARY DRAINS FROM COOLING COILS TO APPROPRIATE POINT OF CONNECTION.
FIX	PLUMBING FIXTURES	FIXTURES: SUPPLY, SET AND CONNECT ALL FIXTURES LISTED IN SCHEDULES. ALSO CONNECT DISHWASHERS AND DISPOSERS.

4/ <b>4</b> /1		MAN[	DATC	RY	ME	ASU	RES	3
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MECHANICAL MEASURES (EQUIPMENT & SYSTEMS EFFICIENCY)

[X] ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY STANDARDS MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED TO THE COMMISSION, AS SPECIFIED IN THOSE REGULATIONS, THAT THE APPLIANCE COMPLIES WITH THE APPLICABLE STANDARD FOR THAT APPLIANCE.

[X] PIPING, EXCEPT THAT CONVEYING FLUIDS AT TEMPERATURES BETWEEN 80 AND 105°F, OR WITHIN HVAC EQUIPMENT, SHALL BE INSULATED IN ACCORDANCE WITH STANDARDS SECTION 123.

SERVICE WATER HEATING SYSTEMS

[X] IF A CIRCULATING HOT WATER SYSTEM IS INSTALLED, IT SHALL HAVE A CONTROL CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMP(S) WHEN HOT WATER IS NOT

[X] LAVATORIES IN RESTROOMS OF PUBLIC FACILITIES SHALL BE EQUIPPED WITH CONTROLS TO LIMIT THE OUTLET TEMPERATURE TO 110°F.

[X] OUTLET DEVICES THAT LIMIT THE FLOW OF HOT WATER TO A MAXIMUM OF 0.5 GPM IN PUBLIC LAVATORIES.

	MAXIM	UM FIXTUF	RE UNITS -	- WATER	PIPING		
	4 FT	/SEC	5 FT	/SEC	6 FT/SEC		
SIZES	GPM	FU	GPM	FU	GPM	FU	
/4"	6	6	7.5	9	8.5	10	
"	10	12	13	18	15	20	
/4"	15	20	19	26	22	32	
/2"	22	32	27	46	32	55	
≥"	40	87	48	120	60	178	
/2"	62	175	74	250	95	350	
3"	90	320	105	400	140	570	
<b>!</b> "	148	650	185	850	223	1125	
3"			418	2900	500	4000+	

1. VELOCITY FOR ALL PIPING RISERS ARE SIZED AT 4 FT/SEC MAX.
2. VELOCITY FOR ALL COLD WATER PIPING MAINS IS SIZED AT 6 FT/SEC MAX.
3. VELOCITY FOR ALL HOT WATER PIPING MAINS IS SIZED AT 5 FT/SEC MAX.
4. VELOCITY FOR ALL HOT WATER RETURN PIPING IS SIZED AT 4 FT/SEC MAX.
5. VELOCITY VALUES SIZED BASED UPON CPC APPENDIX A CHARTS A-2 AND A-4.

WATER SIZING NOTES

		And the second s	
		SHEET INDEX	
	SHEET NO.	SHEET TITLE	SCALE
t Plings	P1.00	COVER SHEET	
	P2.01	PLUMBING - LEVEL 1 - WEST DWV PIPING	\( \mathcal{Y}_4"=1'-0" \)
SS	P9.01	PLUMBING - DETAILS	NONE
2"	P9.02	PLUMBING - DETAILS	NONE
	<del></del>		

		SYMBOLS & AE	BBREVIATIONS	
		EQUIPMENT IDENTIFICATION	CW	COLD WATER SUPPLY PIPE
		SECTION OR DETAIL IDENTIFICATION NUMBER SHEET ON WHICH SECTION OR DETAIL IS SHOWN	SS	SANITARY SEWER PIPE
$\delta$		SHEET NOTES	——\$S ——	SANITARY SEWER PIPE U.G.
ň		GENERAL NOTES	——OFD ——	OVERFLOW STORM DRAIN PIPE ABOVE FLOO
$\langle \overline{\Upsilon} \rangle$		PLUMBING FIXTURE TAG	—— OFD ——	OVERFLOW STORM DRAIN PIPE BELOW FLOO
<b>\1</b> /		DIAMETER OR ROUND. ELECTRICAL: PHASE	— so —	STORM DRAIN PIPE ABOVE FLOOR
-₩-	GV	GATE VALVE	——SD ——	STORM DRAIN PIPE BELOW FLOOR
-&-	PRV	PRESSURE REDUCING VALVE	——GD ——	GARAGE DRAIN PIPE ABOVE FLOOR
- <del> </del>	SHV	SQUARE HEAD VALVE	—— GD ——	GARAGE DRAN PIPE BELOW FLOOR
~ ~	CKV	CHECK VALVE	——PELEV —	PUMPED ELEVATOR DISCHARGE
	PTRV	PRESSURE AND TEMERATURE RELIEF VALVE	CLG	CEILING
<b>₹</b> 1- ⊓			FF	FINISH FLOOR
<del>-121-</del>	WHA	WATER HAMMER ARRESTOR PIPE DN	ΙE	INVERT ELEVATION
<del></del>	DN		NIPW	NOT IN PLUMBING WORK
	UP	PIPE UP	NTS	NOT TO SCALE
+	НВ	HOSE BIBB	R	RISE
Φ	CO	CLEAN OUT	TYP	TYPICAL
Φ	GCO	GRADE CLEAN OUT	UG	UNDERGROUND
$\Diamond$		2-WAY CLEANOUT	VR	VENT RISER
<b>!</b> ──	WCO	WALL CLEAN OUT	VTR	VENT THRU ROOF
<del></del> 5		PIPE CONTINUES		12.11
<del>3</del>	CFF	CAPPED FOR FUTURE		
O F	D,FS,AD	FLOOR DRAIN, FLOOR SINK, AREA DRAIN (BELOW)		
+	GO	NATURAL GAS OUTLET		
XX XX		RISER TAG		

MAXIMUM UNIT LOADING AND MAXIMUM LENGTH OF DRAINAGE AND VENT PIPING											
SIZE OF PIPE, INCHES (mm)	1-1/4 (32)	1-1/2 (40)	2 (50)	2–1/2 (65)	3 (80)	4 (100)	5 (125)	6 (150)	8 (200)	10 (250)	12 (30
MAXIMUM UNITS DRAINAGE PIPING <sup>1</sup> VERTICAL HORIZONTAL	1	2 <sup>2</sup> 1	16 <sup>3</sup> 8 <sup>3</sup>	32 <sup>3</sup> 14 <sup>3</sup>	48 <sup>4</sup> 35 <sup>4</sup>	256 216 <sup>5</sup>	600 428 <sup>5</sup>	1380 720 <sup>5</sup>	3600 2640 <sup>5</sup>	5600 4680 <sup>5</sup>	840 820
MAXIMUM LENGTH DRAINAGE PIPING VERTICAL, FEET (m) HORIZONTAL (UNLIMITED)	45 (14)	65 (20)	85 (26)	148 (45)	212 (65)	300 (91)	390 (119)	510 (155)	750 (228)		
VENT PIPING (SEE NOTE) HORIZONTAL AND VETICAL MAXIMUM UNITS MAXIMUM LENGTHS, FT. (m)	1 45 (14)	8 <sup>3</sup> 60 (18)	24 120 (37)	48 180 (55)	84 212 (65)	256 300 (91)	600 390 (119)	1380 510 (155)	3600 750 (228)		

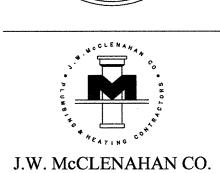
1 EXCLUDING TRAP ARM. 2 EXCEPT SINKS, URINALS AND DISHWASHERS.

2 EXCEPT SINKS, URINALS AND DISHWASHERS.
3 EXCEPT SIX—UNIT TRAPS OR WATER CLOSETS.
4 ONLY FOUR (4) WAYER CLOSETS OR SIX—UNIT TRAPS ALLOWED ON ANY VERTICAL PIPE OR STACK; AND NOT TO EXCEED THREE
(3) WATER CLOSETS OR SIX—UNIT TRAPS ON ANY HORIZONTAL BRANCH OR DRAIN.
5 BASED ON ONE—FOURTH (1/4) INCH PER FORR (20.9 mm/m) SLOPE. FOR ONE—EIGHTH (1/6) INCH PER FOOT (10.4 mm/m) SLOPE, MULTIPLY HORIZONTAL FIXTURE UNITS BY A FACTOR OF 0.8.

C:\CSM\Pool Building\From Architect\Group Logo Mixed

McCarthy Building Companies, Inc 343 Sansome Street, 14th Floor San Francisco, California 94104 P 415 | 364-1339 F 415 | 397-5999





2301 PALM AVE
P.O. BOX 1149

SAN MATEO, CA 94403
TEL: (650) 345—1691
FAX: (650) 345—5681

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Legends & Schedules

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