

LEGEND & ABBREVIATIONS

---SS---	SS(W)	SANITARY SEWER (WASTE) BELOW FLOOR
-----SS	SS(W)	SANITARY SEWER (WASTE) ABOVE FLOOR
-----SV	SV	SANITARY VENT PIPING
---SD---	SD	STORM DRAIN BELOW FLOOR
-----RWL	RWL	RAINWATER LEADER PIPING
-----OFD	OFD	OVERFLOW DRAIN PIPING
-----F	F	FIRE PIPING
-----SP	SP	SPRINKLER PIPING
-----CW	CW	COLD WATER PIPING
-----HW	HW	HOT WATER PIPING
-----HWR	HWR	HOT WATER RETURN PIPING
-----G	G	NATURAL GAS PIPING
-----O2	O2	OXYGEN PIPING
-----MV	MV	MEDICAL VACUUM PIPING
-----CA	CA	COMPRESSED AIR PIPING
-----CD	CD	CONDENSATE DRAIN PIPING
-----SOV	SOV	SHUTOFF VALVE
-----GAS COCK		GAS COCK
-----SEISMIC VALVE		SEISMIC VALVE
-----BALL VALVE		BALL VALVE
-----BALANCING VALVE		BALANCING VALVE
-----CV	CV	CHECK VALVE
-----PIPE DROP UNLESS OTHERWISE NOTED		PIPE DROP UNLESS OTHERWISE NOTED
-----PIPE UP UNLESS OTHERWISE NOTED		PIPE UP UNLESS OTHERWISE NOTED
-----CO	CO	CLEANOUT
-----FCO/GCO	FCO/GCO	FLOOR CLEANOUT/GRADE CLEANOUT
-----FD/RD/RR	FD/RD/RR	FLOOR DRAIN/ROOF DRAIN/ROOF RECEPTOR
-----FS	FS	FLOOR SINK
-----RPBP	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
-----BFP	BFP	BACKFLOW PREVENTER
①		SHEET NOTE DESIGNATION
Ⓜ		DETAIL REFERENCE
Ⓜ		EQUIPMENT TAG
Ⓜ		WATER HAMMER ARRESTER

AP	ACCESS PANEL	NTS	NOT TO SCALE
BF	BELOW FLOOR	OFD	OVER FLOW DRAIN
CFM	CUBIC FEET PER HOUR	PRESS	PRESSURE
CFH	CUBIC FEET PER MINUTE	PSI	POUNDS PER SQUARE INCH
CONN	CONNECTION	RE	RIM ELEVATION
CONT	CONTINUATION	SAD	SEE ARCHITECTURAL DRAWINGS
CWV	COMBINATION WASTE AND VENT	SF	SQUARE FEET
DFU	DRAINAGE FIXTURE UNITS	SK	SINK
DN	DOWN	TP	TRAP PRIMER
DWG(S)	DRAWING(S)	TYP.	TYPICAL
DWV	DRAINAGE WASTE AND VENT	UG	UNDERGROUND
(E)	EXISTING	UON	UNLESS OTHERWISE NOTED
FF	FINISHED FLOOR ELEVATION	UR	URINAL
GPM	GALLONS PER FLUSH	VB	VACUUM BREAKER
GPM	GALLONS PER MINUTE	VTR	VENT THRU ROOF
HB	HOSE BIBB	WC	WATER CLOSET
IE	INVERT ELEVATION	WHA	WATER HAMMER ARRESTER
LV	LAVATORY	WSFU	WATER SUPPLY FIXTURE UNITS
MS	MOP SINK		

GENERAL NOTES

- ALL PIPING SHALL BE SUPPORTED AND BRACED PER 2007 CALIFORNIA BUILDING CODE. (SEE DWG P-400 FOR SEISMIC RESTRAINT NOTES).
- ALL PIPING IN WALL STUDS SHALL BE ISOLATED TO PREVENT VIBRATION AND NOISE TRANSMISSION TO SURROUNDING SPACES.

DRAWING INDEX

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
P-001	DRAWING INDEX, EQUIP. SCHEDULES & NOTES	P-301	SANITARY WASTE PIPING SCHEMATICS
P-101	FIRST FLOOR DOMESTIC WATER & NATURAL GAS PLUMBING PLAN	P-302	DOMESTIC WATER PIPING SCHEMATICS
P-102	SECOND FLOOR DOMESTIC WATER & NATURAL GAS PLUMBING PLAN	P-400	PLUMBING SEISMIC DETAILS
P-103	THIRD FLOOR DOMESTIC WATER & NATURAL GAS PLUMBING PLAN	P-401	PLUMBING SEISMIC DETAILS
P-200	BELOW GRADE WASTE & VENT PLUMBING PLAN	P-402	SEISMIC, FIRST FLOOR WASTE & VENT PLUMBING PLAN
P-201	FIRST FLOOR WASTE & VENT PLUMBING PLAN	P-403	SEISMIC, SECOND FLOOR WASTE & VENT PLUMBING PLAN
P-202	SECOND FLOOR WASTE & VENT PLUMBING PLAN	P-404	SEISMIC, THIRD FLOOR WASTE & VENT PLUMBING PLAN
P-203	THIRD FLOOR WASTE & VENT PLUMBING PLAN	P-501	SEISMIC, FIRST FLOOR DOMESTIC WATER & NATURAL GAS PLUMBING PLAN
P-204	ROOF WASTE & VENT PLUMBING PLAN	P-502	SEISMIC, SECOND FLOOR DOMESTIC WATER & NATURAL GAS PLUMBING PLAN
P-300	PLUMBING DETAILS		

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	FIXTURE MFR & MODEL	FAUCET/VALVE MFR & MODEL	SS	V	CW	HW	SPECIFICATIONS/REMARKS
WC-1	WATER CLOSET	KOHLER K-4330	SLOAN WES 111-FV	4"	2"	1"	--	KOHLER K-4330, ELONGATED BOWL, OLSONITE OPEN FRONT SEAT
WC-2	WATER CLOSET ADA	KOHLER K-4330	SLOAN WES 111-FV	4"	2"	1"	--	KOHLER K-4330, ELONGATED BOWL, OLSONITE OPEN FRONT SEAT
UR-1	URINAL	KOHLER K-4960-ET	SLOAN 186.0.5	2"	1 1/2"	3/4"	--	KOHLER K-4960-ET
UR-2	URINAL ADA	KOHLER K-4960-ET	SLOAN 186.0.5	2"	1 1/2"	3/4"	--	KOHLER K-4960-ET
LV-1	LAVATORY	KOHLER K-2211	TOTO TEL5GSC-10	2"	1 1/2"	1/2"	1/2"	KOHLER K2211, UNDER COUNTER WITH OVERFLOW - TOTO SELF GENERATING ECO POWER SENSOR FAUCET WITH MIXING VALVE
LV-2	LAVATORY ADA	KOHLER K-2007	TOTO TEL5GSC-10	2"	1 1/2"	1/2"	1/2"	KOHLER K2007, WALL HUNG LAVATORY - TOTO SELF GENERATING ECO POWER SENSOR FAUCET WITH MIXING VALVE
SK-1	SINK	JUST SLX 2225-A-GR	DELTA 710-WFDF	2"	1 1/2"	1/2"	1/2"	
SK-2	SINK	JUST SLX 1921-A-GR	CHICAGO 785-GNBB-VB	2"	1 1/2"	1/2"	1/2"	
SK-3	SINK	JUST ADA 1921-A-GR	CHICAGO 785-GNBB-VB	2"	1 1/2"	1/2"	1/2"	
HWS-1	HAIR WASH SINK	BELVEDERE 3800 ALPHA	BELVEDERE 522 & 603	2"	1 1/2"	1/2"	1/2"	BELVEDERE 3800 ALPHA SHAMPOO BOWL, COLOR BEIGE, BELVEDERE 522 FIXTURE WITH 603 BACKFLOW PREVENTER AND MOUNTING BRACKET.
SS-1	SERVICE SINK	KOHLER K-6716	CHICAGO 897	2"	1 1/2"	1/2"	1/2"	
EEW-1	EMERGENCY EYEWASH	GUARDIAN 61805		2"	1 1/2"	1-1/4"		
MS-1	MOP SINK	FLORESTONE 24x24	CHICAGO 897	2"	1 1/2"	1/2"	1/2"	
MS-2	MOP SINK	KOHLER WHITBY K-6710	CHICAGO 897	2"	1 1/2"	1/2"	1/2"	
SH-1	SHOWER		TEMPETROL 96-500-B30-L-V	2"	1 1/2"	1/2"	1/2"	PRESSURE BALANCING MIXING VALVE W/ SINGLE BLADE HANDLE, CLEAR-FLO SHOWER HEAD, WALL/HAND SHOWER W/ FLEXIBLE METAL HOSE W/ 30" SLIDE BAR.
SH-2	SHOWER ADA	J R SMITH 40-62	TEMPETROL 96-500-B30-L-V	2"	1 1/2"	1/2"	1/2"	
FD-1	FLOOR DRAIN	J R SMITH 2005		2"	1 1/2"			NICKEL BRONZE FINISH
FS-1	FLOOR SINK	J R SMITH 3420		2"	1 1/2"			12"x12"x10" SANI-CEPTOR ACID RESISTANT WITH 3/4 GRATE
DF-1	DRINKING FOUNTAIN	HAWS H1119		2"	1 1/2"	1/2"		BARRIER FREE - WALL MOUNTED DUAL HEIGHT
TP-1	TRAP PRIMER		PRECISION P2-500			1/2"		FOR FLOOR DRAINS
TP-2	TRAP PRIMER		SLOAN VBF-72-A ASSEMBLY			1/2"		FOR FLOOR DRAINS
WHA-1	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS					VARIES	WATER HAMMER - 1" FOR WATER CLOSETS - 1/2" FOR URINALS AND SINKS
WCO-1	WALL CLEAN OUT	J R SMITH 4422			VARIES			CHROME COVER
FCO-1	FLOOR CLEAN OUT	J R SMITH 4020NB			VARIES			NICKEL BRONZE FINISH
RD-1	ROOF DRAIN	J R SMITH 1010			VARIES			
OFD-1	OVERFLOW DRAIN	J R SMITH 1011			VARIES			
DSN-1	DOWN SPOUT NOZZLE	J R SMITH 1770Y-2			VARIES			
HB-1	HOSE BIB		WOODFORD #24 VB-PC			3/4"		ANTI-SIPHON WALL FAUCET
HB-2	HOSE BIB		WOODFORD #44 VB-PC			1/2"		ANTI-SIPHON WALL FAUCET
AD-1	AREA DECK DRAIN	J R SMITH 1410		3"				3" DECK DRAIN

- ALL VITREOUS CHINA FIXTURES SHALL BE TWICE FIRED GRADE, KOHLER OR EQUAL. CARRIER SUPPORT SHALL BE J.R. SMITH OR EQUAL. FLUSH VALVES SHALL BE SLOAN, OR EQUAL. FAUCETS SHALL BE DELTA, CHICAGO OR EQUAL CENTER SET, CHICAGO, TOTO OR EQUAL METERING FAUCET.
- FLUSH VALVES, AND FAUCETS SHALL BE LISTED WITH CALIFORNIA ENERGY COMMISSION. WATER CLOSETS SHALL FLUSH WITH NO MORE THAN 1.6 GALLONS PER FLUSH. URINALS SHALL FLUSH WITH NO MORE THAN 1.0 GALLONS PER FLUSH. FAUCETS FOR LAVATORIES SHALL FLOW AT NO MORE THAN 1 GALLON PER MINUTE.
- ACCESSIBLE PLUMBING FIXTURES ARE DESIGNATED WITH SUFFIX 'H'. INSTALL IN ACCORDANCE WITH BUILDING CODE, CHAPTER 11.
- INSTALL PLUMBING FIXTURES AND TRIM FROM ONE MANUFACTURER FOR UNIFORMITY OF INSTALLATION.

PLUMBING EQUIPMENT SCHEDULE

SYMBOL	FIXTURE	FIXTURE MFR & MODEL	FAUCET/VALVE MFR & MODEL	SS	V	CW	HW	SPECIFICATIONS/REMARKS
WH-1	CONDENSING WATER HEATER	LOCHINVAR AWN399PM				2"	2"	399000 BTU/HR
WH-2	CONDENSING WATER HEATER	LOCHINVAR AWN399PM				2"	2"	399,000 BTU/HR
ST-1	STORAGE TANK	LOCHINVAR-GLASS LINED, INSULATED-RJA 200				2"	2"	257 GALLON CAPACITY
ET-1	EXPANSION TANK	AMITROL ST-70V-C					3/4"	34 GALLON CAPACITY
RPBP-1	REDUCED PRESSURE BACKFLOW PREVENTOR		WATTS 0090T				VARIES	
SGV-1	SEISMIC GAS VALVE		STRAND EARTHQUAKE VALVE MODEL 316F					FLANGED - 60 PSI MAXIMUM
TV-1,2	THERMOSTATIC WATER CONTROLLER	LAWLER 805-PL				3"	3"	10 GALS./MIN. MINIMUM
WF-1	WATER FILTER	AQUA-PURE SS-8						REPLACEMENT CARTRIDGE AP110, QTY. 8

PUMP SCHEDULE

UNIT MARK	MFR	MODEL	LOCATION	SERVES	GPM	HEAD FT/H2O	IMPELLER SIZE	MOTOR		RPM	OPER WT LBS	REMARKS
								HP	VOLT.			
CP-1	BELL & GOSSETT	PL-45	MECH. ROOM	BUILDING	6	20	2.75"	.17	120V/1	3300	20	DOMESTIC HOT WATER RETURN PUMP

NO.	ISSUES/REVISIONS	DATE
	100% SCHEMATIC DESIGN	04/28/08
	50% DESIGN DEVELOPMENT	06/13/08
	100% DESIGN DEVELOPMENT	07/28/08
	INCREMENT 2 80% REVIEW	09/10/08
	DSA INCREMENT 2	
	STRUCTURE & GFRG PANELS	11/11/08
	DSA INCREMENT #3 50% REVIEW	11/11/08
7	DSA INCREMENT #3 80% REVIEW	12/16/08
9	DSA INCREMENT #3	
10	TENANT IMPROVEMENT AND ROOFING SYSTEM	02/09/09
12	HPOC REVIEW	04/30/09
14	DSA INCREMENT #3 BACKCHECK	05/12/09
	ISSUED FOR CONSTRUCTION	10/27/09
	AS-BUILT DRAWINGS	04/06/11
	AS-BUILT DRAWINGS	06/10/11
	AS-BUILT DRAWINGS	06/20/11

