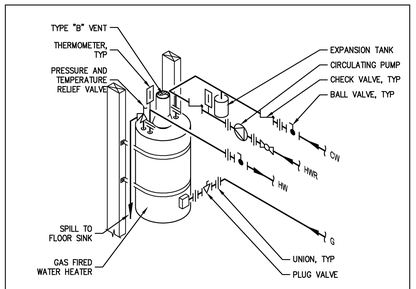
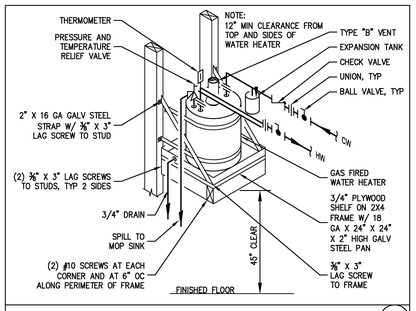
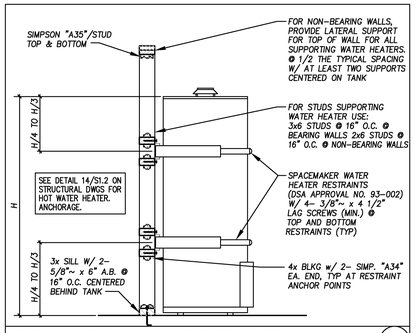


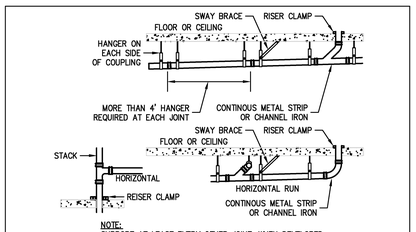
GAS FIRED WATER HEATER W/ RECIRCULATION (3)



GAS FIRED WATER HEATER (3)

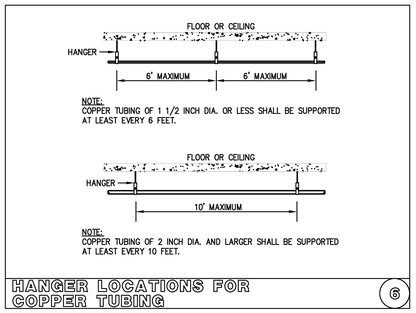


WATER HEATER ANCHORAGE (4)



NOTE:
SUPPORT AT LEAST EVERY OTHER JOINT. WHEN DEVELOPED LENGTH BETWEEN HANGERS EXCEEDS 4' HANGERS SHALL BE PROVIDED AT EACH JOINT.

LOCATION FOR HANGERS FOR CAST IRON HUBLESS SOIL PIPE (5)



NOTE:
COPPER TUBING OF 1 1/2 INCH DIA. OR LESS SHALL BE SUPPORTED AT LEAST EVERY 6 FEET.

NOTE:
COPPER TUBING OF 2 INCH DIA. AND LARGER SHALL BE SUPPORTED AT LEAST EVERY 10 FEET.

HANGER LOCATIONS FOR COPPER TUBING (6)

GAS FIRED WATER HEATER SCHEDULE

NO.	TYPE	HGT (IN)	DIA (IN)	STOR (GAL)	INPUT (MBTUH)	OUTPUT (MBTUH)	RECOVERY @ (°F) (GPH)	DELIV (°F)	WEIGHT LBS	NOTES
GWH-1	STORAGE	60 1/4	26	75	80	–	55	140	130	294 "BRADFORD WHITE" # 75T-80-3N
GWH-2	STORAGE	46 1/2	17 3/4	30	34	–	31	100	110	438 "RHEEM" # 30-34N
GWH-3	–	–	–	–	–	–	–	–	–	– NOT USED
GWH-4	STORAGE	71	30 1/4	80	399	–	388	100	140	1300 "LOCHINVAR" # CNR400-080

TANK SCHEDULE

NO.	TYPE	HGT (IN)	DIA (IN)	STOR (GAL)	ORIENTATION	NOTES
ET-1	EXPANSION	11	15	4.4	IN-LINE	"AMTROL" #ST-12
ET-2	EXPANSION	12 5/8	8	2.0	IN-LINE	"AMTROL" #ST-5
ET-3	–	–	–	–	–	NOT USED
ET-4	EXPANSION	11	15	4.4	IN-LINE	"AMTROL" #ST-12

CIRCULATING PUMP SCHEDULE

NO.	TYPE	LENGTH (IN)	HEIGHT (IN)	ELECTRICAL VOLT	PH	HP	SPEED (RPM)	DESIGN POINT (GPH)	(FT HD)	WEIGHT (LBS)	NOTES
CP-1	IN LINE CIRC	5 1/8	3 1/4"	120	1	1/20	2800	1.2	0.5	10	SWEAT CONN.
CP-2	IN LINE CIRC	5 1/8	3 1/4"	120	1	1/20	2800	1.2	0.5	10	SWEAT CONN.
CP-3	–	–	–	–	–	–	–	–	–	–	NOT USED
CP-4	IN LINE CIRC	5 1/8	3 1/4"	120	1	1/20	2800	1.2	0.5	10	SWEAT CONN.

CONDENSATE PUMP SCHEDULE

NO.	TYPE	LENGTH (IN)	HEIGHT (IN)	ELECTRICAL VOLT	PH	HP	SPEED (RPM)	DESIGN POINT (GPH)	(FT HD)	WEIGHT (LBS)	NOTES
CDP-1	COND PUMP	5 1/8	3 1/4"	115	1	1/18	–	–	20	10	"LITTLE GIANT" No. VCL-14
CDP-2	COND PUMP	5 1/8	3 1/4"	115	1	1/18	–	–	20	10	"LITTLE GIANT" No. VCL-14
CDP-3	COND PUMP	5 1/8	3 1/4"	115	1	1/18	–	–	20	10	"LITTLE GIANT" No. VCL-14
CDP-4	COND PUMP	5 1/8	3 1/4"	115	1	1/18	–	–	20	10	"LITTLE GIANT" No. VCL-14
CDP-5	COND PUMP	5 1/8	3 1/4"	115	1	1/18	–	–	20	10	"LITTLE GIANT" No. VCL-14
CDP-6	–	–	–	–	–	–	–	–	–	–	–
CDP-7	COND PUMP	5 1/8	3 1/4"	115	1	1/18	–	–	20	10	"LITTLE GIANT" No. VCL-14

GREASE INTERCEPTOR SCHEDULE

NO.	TYPE	HGT (IN)	LENGTH (IN)	STOR (GAL)	NOTES
GI-1	GREASE INTERCEPTOR	72	97	750	JENSEN PRECAST #JP750G

FIXTURE SCHEDULE

NO.	TYPE	ROUGH-IN SAN	V	CW	HW	FU SAN	CW	NOTES
WC-1	WATER CLOSET	4"	2"	1 1/2"	–	4	5	A.S. "AFWALL" NO. 2257.103, ELONGATED 1.6 GPF WALL HUNG WITH "OLSONITE" No. CC-95 SEAT AND "SLOAN" ROYAL III MANUAL FLUSH VALVE.
WC-2	WATER CLOSET	4"	2"	1 1/2"	–	4	5	♿ A.S. "AFWALL" No.2294.011, ELONGATED 1.6 GPF WALL HUNG "OLSONITE" No. CC-95 SEAT AND "SLOAN" ROYAL III MANUAL FLUSH VALVE.
UR-1	URINAL	2"	2"	3/4"	–	2	4	A.S. "WASHBROOK" No. 6501.010 WITH "SLOAN" No. 180-1.0 MANUAL FLUSH VALVE, 1 GPF.
UR-2	URINAL	2"	2"	3/4"	–	2	4	♿ A.S. "WASHBROOK" No. 6501.010 WITH "SLOAN" No. 180-1.0 MANUAL FLUSH VALVE, 1 GPF.
LV-1	LAVATORY	2"	2"	1/2"	–	1	1	♿ A.S. "LUCERNE" NO. 0355.012, "CHICAGO FAUCETS" No. 857-E12-665PSHABCP, WITH "ADA" APPROVED INSULATION ON BOTH SUPPLIES & TRAP, TRUEBRO "LAVGUARD" 2E-Z, CHINA WHITE
LV-2	LAVATORY	2"	2"	1/2"	1/2"	1	1	♿ A.S. "LUCERNE" NO. 0355.012, "CHICAGO FAUCETS" No. 802-V317XKABCP, WITH "ADA" APPROVED INSULATION ON BOTH SUPPLIES & TRAP, TRUEBRO "LAVGUARD" 2E-Z, CHINA WHITE
SK-1	SINK	2"	1 1/2"	3/4"	3/4"	3	2	♿ "ELKAY" 18 GA. SS SINK NO. PSDKAD2517 6½" DEEP BOWL, WITH "CHICAGO FAUCETS" NO. 350-ABCP SINGLE HANDLE GOOSENECK FAUCET, & "HAWS" NO. 5017LF BUBBLER
SK-2	SINK	2"	1 1/2"	3/4"	3/4"	3	2	♿ "ELKAY" 18 GA. SS SINK NO. LRAD2219, 6½" DEEP BOWL WITH "ELKAY" NO. LK35 DRAIN & "CHICAGO FAUCETS" NO.1888-ABCP FAUCET.
SK-3	SINK	2"	1 1/2"	3/4"	3/4"	6	6	♿ "ELKAY" 14 GA. SS SINK No. MN13835D, "ELKAY" No. LK60 WITH (3) "ELKAY" No.LK35 DRAIN & (2) "CHICAGO FAUCETS" No. 445-ABCP FAUCET.
MS-1	MOP SINK	3"	2"	3/4"	3/4"	3	2	"A.S." FLORWELL No. 7741.000 WITH "CHICAGO FAUCETS" No. 540-LD897SWXFCP.
DF-1	DRINKING FOUNTAIN	2"	1 1/2"	1/2"	–	–	.5	♿ HAWS "HiLo" No. 1119.14 WALL MOUNTED DRINKING FOUNTAIN, 14 GAUGE TYPE 304 STAINLESS STEEL.
DF-2	DRINKING FOUNTAIN	2"	1 1/2"	1/2"	–	–	.5	♿ HAWS "HiLo" No. 1085 WALL MOUNTED DRINKING FOUNTAIN, WHITE POLYMARBLE BARRIER-FREE DRINKING FOUNTAIN.
HB-1	HOSE BIB	–	–	3/4"	–	–	2.5	WOODFORD #Y26 HOSE BIBB WITH VACUUM BREAKER.
WH-1	HOSE BIB	–	–	3/4"	–	–	2.5	WOODFORD #B65 WALL HYDRANT WITH VACUUM BREAKER.
GD-1	GARBAGE DISPOSER	–	–	–	–	–	–	"WASTE KING" MODEL No. 750, ¾ HP.
TP-1	TRAP PRIMER	–	–	1/2"	–	–	–	MIFAB NO. MI-701 FLUSH VALVE TRAP SEAL PRIMER
SA-1	SHOCK ABSORBER	–	–	–	–	–	–	WATER HAMMER ARRESTORS: SHALL BE ALL STAINLESS STEEL CONSTRUCTION, BELOW TYPE, P.D.I. APPROVED AND CERTIFIED SIZING AND PLACEMENT CONFORMING TO PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH 201 LATEST EDITION AND AS MANUFACTURED BY ZURN J.R. SMITH OR PPP, INC.

DRAIN SCHEDULE

NO.	TYPE	ROUGH-IN SAN/SD	V	TRAP PRIMER	BODY DEPTH	FINISH	STRAINER/GRATE SIZE	FINISH	FU SAN	NOTES
FD-1	FLOOR DRAIN	2"	2"	1/2"	–	C.I.	5"ø	N.B.	2	JR SMITH #2005-P050 DRAIN WITH TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	2"	2"	–	–	A.R.	12"X12"	A.R.	–	JR SMITH #3420C FLOOR SINK
FS-2	FLOOR SINK	2"	2"	–	–	A.R.	12"X12"	A.R.	–	JR SMITH #3430C-12 FLOOR SINK W/ 1/2 GRATE
FS-3	FLOOR SINK	2"	2"	–	–	A.R.	12"X12"	A.R.	–	JR SMITH #3430C-13 FLOOR SINK W/ 3/4 GRATE
OD-1	OVERFLOW DRAIN	AS NOTED	–	–	–	C.I.	14"ø	C.I.	–	JR SMITH #1340C03-R-WD-CID DRAIN, 2" WATER DAM, SUMP RECEIVER AND UNDERDECK CLAMP, EXTENSION AS REQUIRED
RD-1	ROOF DRAIN	AS NOTED	–	–	–	C.I.	14"ø	C.I.	–	JR SMITH #1340C03-R-CID DRAIN, SUMP RECEIVER AND UNDERDECK CLAMP, EXTENSIONS AS REQUIRED
RR-1	ROOF RECEPTOR	3"	–	–	–	C.I.	5"ø	C.I.	–	JR SMITH #3970 ROOF RECEPTOR DRAIN WITH UNDERDECK CLAMP.

GAS PRESSURE REGULATOR SCHEDULE

NO.	BLDG.	PRESSURE IN(PSI)	OUT(IN)	CAPACITY (CFH)	BODY (IN)	ORIFICE (IN)	NOTES
GPR-1	A	5	7	320	1 1/2"	1/4"	"FISHER # S201
GPR-2	B	5	7	306	1 1/2"	1/4"	"FISHER # S201
GPR-3	C	5	7	240	1 1/2"	1/4"	"FISHER # S201
GPR-4	D	5	7	616	1 1/2"	1/4"	"FISHER # S201
GPR-5	E	5	7	616	1 1/2"	1/4"	"FISHER # S201
GPR-6	F	5	7	696	1 1/2"	1/4"	"FISHER # S201
GPR-7	–	–	–	–	–	–	NOT USED
GPR-8	K	5	7	651	1 1/2"	1/4"	"FISHER # S201

UNDERGROUND FIRE SERVICE PIPING SPECIFICATIONS

MATERIAL	SPECIFICATION
PIPING	PVC – AWWA C900, CLASS 150 – DR18, GASKETED JOINT ASSEMBLY – ASTM D 3139, PW PIPE OR EQUAL
FITTINGS	DI OR CI, BOLTED FLANGE FITTINGS – ANSI/AWWA C110/A21.10, ASPHALTIC COATED, STAR OR EQUAL
VALVES, BFG	IRON BODY, FLANGED, 175 PSI, INDICATOR POST PATERN, NON RISING STEM, STOCKHAM #G-632 OR EQUAL
DDCV	EPOXY COATED CI BODY, REPLACEABLE BRONZE SEATS, SS TRIM, BRONZE METER, WATTS #709DCDA OR EQUAL
HYD	3 WAY W/ 2 HOSE NOZZLES AND 1 PUMPER NOZZLE, FLANGE SHOE, MUELLER #A-442 OR EQUAL

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE 2010 CALIFORNIA PLUMBING CODE AND AUTHORITIES HAVING JURISDICTION.
2. PROVIDE ALL NEW MATERIALS AND WORK UNLESS OTHERWISE NOTED.
3. VERIFY ALL EXISTING UTILITIES INCLUDING SIZE, LOCATION, INVERT, PRESSURE AND AVAILABILITY PRIOR TO THE START OF WORK..
4. DRAWINGS INDICATE THE FINISHED REQUIREMENTS OF THE PLUMBING SYSTEMS AND ARE SPECIFIC WHEREVER POSSIBLE; INSTALL THE WORK AS INDICATED. WHERE NECESSARY, THE WORK IS SHOWN DIAGRAMATICALLY; CONFORM TO THE DESIGN INTENT.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.
6. COORDINATE LOCATIONS, SIZES, AND ELEVATIONS OF ALL SLEEVES THROUGH STRUCTURE AND PARTITIONS WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS. PROVIDE FIRESTOPPING ASSEMBLIES IN CONFORMANCE WITH UL BUILDING MATERIALS / FIRE RESISTIVE DIRECTORY WHERE REQUIRED.
7. COORDINATE LOCATIONS OF VALVES, PIPING AND PLUMBING EQUIPMENT WITH ARCHITECTURAL DRAWINGS.
8. COORDINATE THE INSTALLATION OF THIS WORK WITH ALL OTHER TRADES MAKING MINOR ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS.
9. PROVIDE SUPPORTS AND SEISMIC RESTRAINTS FOR ALL PIPING AND EQUIPMENT IN ACCORDANCE WITH SEISMIC RESTRAINT MANUAL (GUIDELINES FOR MECHANICAL SYSTEMS) SECOND EDITION, FEBRUARY 1998 AND ADDENDUM NO. 1, SEPTEMBER 2000. PUBLISHED BY SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC. (SMACNA)
10. OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND FEES REQUIRED FOR THE INSTALLATION OF THE PLUMBING WORK.
11. PROVIDE WATER CLOSETS WHICH USE NO MORE THAN 1.6 GPF AND URINALS WHICH USE NO MORE THAN 1.0 GPF. PROVIDE LAVATORIES LIMITED TO 0.5 GPM, AND SINKS LIMITED TO 2.0 GPM AND SHOWER HEADS LIMITED TO 2.5 GPM THROUGH APPROVED FLOW RESTRICTORS.
12. INSULATE ALL HOT AND COLD WATER PIPING. DELIVER HOT WATER TO PUBLIC LAVATORIES AT 110° F.
13. PROVIDE HOSE BIBS WITH APPROVED VACUUM BREAKERS.
14. PROVIDE SHOCK ABSORBERS ON ALL HOT AND COLD WATER PIPING SERVING FIXTURES OR EQUIPMENT WITH QUICK CLOSING VALVES.
15. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS AND FLOOR SINKS WHICH DO NOT RECEIVE A CONTINUOUS DISCHARGE OF WASTE WATER.
16. PROVIDE ACCESS PANELS FOR ALL VALVES AND APPURTENANCES INSTALLED WITHIN OR BEHIND WALLS AND NON-REMOVABLE CEILINGS.
17. AN 8 1/2" X 11" SPECIFICATION IS A PART OF THESE CONSTRUCTION DOCUMENTS.
18. OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND FEES.

FIRE PROTECTION NOTES

1. DESIGN AND INSTALL A COMPLETE WET AUTOMATIC FIRE SPRINKLER SYSTEM WITH COVERAGE FOR ALL AREAS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 1999 NFPA 13, WITH CALIFORNIA AMENDMENTS STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS AND AUTHORITIES HAVING JURISDICTION.
3. ALL MATERIALS AND WORK ARE NEW UNLESS NOTED OTHERWISE.
4. VERIFY ALL EXISTING UTILITIES INCLUDING SIZE, LOCATION, INVERT, PRESSURE AND AVAILABILITY PRIOR TO THE START OF WORK..
5. COORDINATE SPRINKLER PIPING WITH DUCTS, PIPING, CABLE TRAYS, CONDUITS, OTHER CEILING ACCESSORIES AND EXISTING CONDITIONS. COORDINATE SPRINKLER HEAD LAYOUT WITH REFLECTED CEILING PLANS, GRILLES, AND LIGHT FIXTURES. LOCATE SPRINKLER HEADS SYMMETRICALLY AND IN THE CENTER OF CEILING TILES.
6. PRIOR TO COMMENCING WORK, SUBMIT AND OBTAIN APPROVALS FOR PIPING DRAWINGS, HEAD LAYOUTS, HYDRAULIC CALCULATIONS AND MATERIALS FROM THE ARCHITECT AND ALL AUTHORITIES HAVING JURISDICTION INCLUDING THE LOCAL FIRE MARSHALL AND THE OWNER'S INSURANCE UNDERWRITER.
7. CONCEAL PIPING WHEREVER POSSIBLE. PIPING SHALL NOT PENETRATE VERTICAL FACES OF SOFFITS OR OTHER CEILING FEATURES.
8. AN 8 1/2" X 11" SPECIFICATION IS A PART OF THESE CONSTRUCTION DOCUMENTS.
9. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS, INCLUDING WATER SUPPLY INFORMATION AND TYPE OD EXISTING SPRINKLER SYSTEM. IF ANY, HAVE BEEN APPROVED BY THE DSA. AT VARIES STAGES AND UPON COMPLETION, THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE INSPECTOR OF RECORD.
10. THE AUTOMATIC SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF UBC STANDARD 9-1 (NFPA PAMPHLET 13 1999 EDITION).
11. THE AUTOMATIC SPRINKLER SYSTEM WATER FLOW ALARM SHALL ACTIVATE THE FIRE ALARM SYSTEM. THE FIRE MARSHALL SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (CBC SEC. 1006.2.4.2.2.1.5)
12. SPRINKLERS ARE A DEFERRED APPROVAL AND SHALL NOT BE INSTALLED UNTIL THE PLANS ARE APPROVED BY DSA.

FIRE PROTECTION NOTES

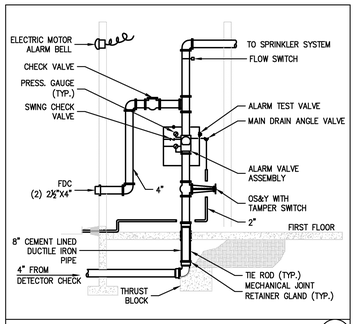
THE SEISMIC ANCHORAGE OF MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, 2001 CBC SECTION 1632A.1 AND TABLE 16A-O. FOR SUSPENDED OR WALL MOUNTED EQUIPMENT WEIGHING LESS LESS THAN 20 LBS. AND OTHER EQUIPMENT WEIGHING LESS THAN 400 LBS. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, STRUCTURAL ENGINEER AND THE FILED REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.

EQUIPMENT BRACING & ANCHORAGE NOTES

ALL PLUMBING EQUIPMENT & PIPES SHALL BE INSTALLED WITH SEISMIC RESTRAINTS PER "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS" PUBLISHED BY SMACNA AND APPROVED BY DSA.

WHERE BRACING AND ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, THE STRUCTURAL ENGINEER, AND THE DSA FIELD ENGINEER.

A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES.



FIRE SPRINKLER RISER (1)

LEGEND

—— — — —	COLD WATER PIPING (CW)
—— — — —	HOT WATER PIPING (HW)
—TW—	TEMPERED WATER PIPING (TW)
—— — — —	HOT WATER RETURN PIPING (HWR)
—ICW—	INDUSTRIAL COLD WATER PIPING (ICW)
	WATER PIPING, BELOW
	SANITARY WASTE PIPING (SAN, W)
—GW—	GREASE WASTE PIPING, (GW)
—CW&V—	COMBINATION WASTE AND VENT PIPING, (CW&V)
—SED—	SEWAGE EJECTOR DISCHARGE PIPING, (SED)
—IW—	INDIRECT WASTE PIPING (IW)
—CD—	CONDENSATE DRAIN PIPING (CD)
	WASTE PIPING, BELOW
	SANITARY VENT PIPING (V)
	VENT PIPING, BELOW
—SD—	STORM DRAIN PIPING (SD)
—OD—	OVERFLOW DRAIN PIPING (OD)
—SPD—	SUMP PUMP DISCHARGE PIPING (SPD)
	DRAINAGE PIPING, BELOW
—G—	NATURAL GAS PIPING (G)
—MPG—	MEDIUM PRESSURE GAS PIPING (MPG)
—CA—	COMPRESSED AIR (CA)
—LPS—	LOW PRESSURE STEAM (LPS)
—LPC—	LOW PRESSURE CONDENSATE (LPC)
—MPS—	MEDIUM PRESSURE STEAM (MPS)
—MPC—	MEDIUM PRESSURE CONDENSATE (MPC)
—HPS—	HIGH PRESSURE STEAM (HPS)
—HPC—	HIGH PRESSURE CONDENSATE (HPC)
—PC—	PUMPED CONDENSATE (PC)
—O_2—	OXYGEN (O2)
—MA—	MEDICAL AIR (MA)
—MV—	MEDICAL VACUUM (MV)
—NO_2—	NITROUS OXIDE (NO2)
—F—	FIRE PROTECTION STANDPIPE (F)
—SPK—	AUTOMATIC FIRE SPRINKLER PIPING (SPK)
—DR—	DRAIN PIPING (DR)
—EX—	EXISTING PIPING (EX)
	ELBOW / SWEEP
	ELBOW / SWEEP UP
	ELBOW / QUARTER BEND DOWN (DN)
	TEE / WYE AND EIGHTH BEND
	TEE / WYE AND EIGHTH BEND UP
	TEE / SANITARY TEE DOWN (DN)
	CONTINUATION (CONT)
	GATE VALVE (GV), SHUT-OFF VALVE (SOV)
	BALL VALVE (BV)
	GLOBE VALVE (GLV)
	VALVE IN RISER
	ANGLE VALVE (AV)
	BUTTERFLY VALVE (BFV)
	OUTSIDE SCREW AND YOLK GV (OSY)
	THERMOSTATIC MIXING VALVE (TMV)
	PRESSURE REDUCING VALVE (PRV)
	SOLENOID VALVE (SOL)
	CHECK VALVE (CV)
	STRAINER (STR)
	UNION (UN)
	ANGLE STOP (STOP)
	ANGLE STOP (STOP) HOT WATER
	PRESSURE & TEMP RELIEF VALVE (P&TRV)
	PLUG VALVE (PV), GAS COCK (GC)
	GAS PRESSURE REGULATOR (GPR)
	EARTHQUAKE SHUT-OFF VALVE (EQV)
	REDUCED PRESSURE PRINCIPLE BACKFLOW DEVICE (RPBFD)
	DOUBLE CHECK VALVE (DCV)
	DOUBLE CHECK VALVE WITH DETECTOR METER ASSEMBLY (DDCV)
	MECHANICAL EXPANSION JOINT
	BACKWATER (SEWAGE) VALVE (BWV)
	AUTOMATIC FIRE SPRINKLER RISER (ASR)
	FLOOR CONTROL ASSEMBLY (FCA)
	FIRE DEPARTMENT CONNECTION (FDC)
	FIRE PUMP TEST HEADER (FPTH)
	FIRE HOSE VALVE (FHV)
FHC	FIRE HOSE CABINET (FHC)
	POST INDICATOR VALVE (PIV)
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	TRAP PRIMER (TP)
	SHOCK ABSORBER (SA)
	CAP
	CLEAN-OUT (CO)
	WALL CLEAN-OUT (WCO)
	FLOOR CLEAN-OUT (FCO)
	FLOOR DRAIN (FD)
	AREA DRAIN (AD)
	FLOOR SINK (FS)
	ROOF DRAIN (RD)
	OVERFLOW DRAIN (OD)
	INDIRECT WASTE RECEPTOR (IWR)
	HUB DRAIN (HD), STANDPIPE
	AIR GAP FITTING (AG)
	HOSE BIB (HB)
	WALL HYDRANT (WH)
	PUMP
	METER (MTR)
	CEILING ACCESS PANEL (AP)
	WALL ACCESS PANEL (AP)
	POINT OF CONNECTION (POC)
	DIRECTION OF FLOW
1% SLOPE	SLOPE
NOTE NUMBER	NOTE REFERENCE
DETAIL NUMBER / SHEET NUMBER	DETAIL REFERENCE
EQUIPMENT TYPE / EQUIPMENT NUMBER	EQUIPMENT DESIGNATION
SYSTEM TYPE / RISER NUMBER	RISER DESIGNATION

SHEET INDEX

SHEET	TITLE	SCALE
P-0.1	PLUMBING LEGEND, NOTES & SCHEDULES	NONE
P-1.1	PLUMBING SITE PLAN	1" = 50'-0"
P-A2	BLDG "A" PLUMBING FLOOR & ROOF PLANS	1/8"=1'-0"
P-B2	BLDG "B" PLUMBING FLOOR & ROOF PLANS	1/8"=1'-0"
P-C2	BLDG "C" PLUMBING FLOOR & ROOF PLANS	1/8"=1'-0"
P-DE2	BLDG'S "D" & "E" PLUMBING FLOOR & ROOF PLANS	1/8"=1'-0"
P-F2	BLDG "F" PLUMBING FLOOR & ROOF PLANS	1/8"=1'-0"
P-K2	BLDG "K" PLUMBING FLOOR & ROOF PLANS	1/4"=1'-0"
P-4.1	BLDG "A" ENLARGED PLUMBING PLAN	1/4"=1'-0"
P-4.2	BLDG "C" ENLARGED PLUMBING RESTROOM PLAN	1/4"=1'-0"
P-4.3	BLDG'S "D" & "E" ENLARGED PLUMBING RESTOOM PLANS	1/4"=1'-0"

ABREVIATIONS

ABV	ABOVE
ACC	ACCESSIBLE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABLITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AN	ACID NEUTRALIZER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL, ALARM PANEL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BEL	BELOW
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOB	BOTTOM OF BEAM
BSMT	BASEMENT
BT	BATHTUB
BTUH	BRITISH THERMAL UNIT PER HR.
CBC	CALIFORNIA BUILDING CODE
CBC	CALIFORNIA BUILDING CODE
CBC	CALIFORNIA BUILDING CODE
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CL	CENTERLINE
CLG	CEILING
CP	CIRCULATING PUMP
CONN	CONNECT, CONNECTION
CONT	CONTINUE, CONTINUATION,
CPC	CALIFORNIA PLUMBING CODE
DCV	DOUBLE CHECK VALVE
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DF	DRINKING FOUNTAIN
DIA, ø	DIAMETER
DN	DOWN
DPX	DUPLEX
DR	DRAIN
DT	DAY TANK
DWG	DRAWING
EFF	EFFICIENCY
ELEV	ELEVATION
ELEC	ELECTRICAL
EQP	EQUIPMENT
ESH	EMERGENCY SHOWER
EVB	ELVATED VACUUM BREAKER
EW	EMERGENCY EYE WASH
EWSH	EMERGENCY EYE WASH / SHOWER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXISTING
°F	DEGREES FAHRENHEIT
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FL	FLOOR, FLOW LINE
FM	FACTORY MUTUAL
FOP	FUEL OIL PUMP
FPS	FEET PER SECOND
FT	FEET, FLUSH TANK
FU	FIXTURE UNITS
FUD	FUNNEL DRAIN
FURN	FURNISH
FUT	FUTURE
FV	FLUSH VALVE
GAL	GALLONS
GC	GENERAL CONTRAC