

PLUMBING EQUIPMENT SCHEDULE

CODE	DESCRIPTION	REMARKS
WH-1	CEMLINE MODEL V45SSH1036-DW SEMI-INSTANTANEOUS WATER HEATER, 45 GALLON CAPACITY, 12 GPM DELIVERY WATER WITH 100°F RISE AT 40°F ENTERING TEMPERATURE USING 55.0 GPM OF 180°F HEATING HOT WATER.	LOCATION: AS SHOWN ON DWGS. OPERATING WT.: 1,600 LBS.
MV-1	MIXING VALVE "POWERS" HYDROGUARD, MODEL 431 THERMOSTATIC MIXING VALVE, ROUGH BRONZE FINISH.	LOCATION: AS SHOWN ON DWGS. OPERATING WT.: N.A.
CP-1	BELL & GOSSETT SERIES PR BRONZE CIRCULATOR, 1/8 HP, 115V, 1ϕ	LOCATION: AS SHOWN ON DWGS. OPERATING WT.: N.A.
CP-2	CONDENSATE PUMP "LITTLE GIANT" MODEL VCL - 24 ULS, 115V, 1/18 HP.	LOCATION: AS SHOWN ON DWGS. OPERATING WT.: 12 LBS.
ET-3	EXPANSION TANK, "VESSELS" 9TX, 3.2 GALLON CAPACITY, 10.6" DIA, 11.8" O.A.L.	LOCATION: AS SHOWN ON DWGS. OPERATING WT.: 40 LBS.
GI-1	GREASE INTERCEPTOR, JOSAM 6000 4A, 15 GPM, 30 LBS GREASE CAPACITY	LOCATION: AS SHOWN ON DWGS. OPERATING WT.: 150 LBS.

DRAINS AND CLEANOUT SCHEDULE

CODE	FLOOR FINISH	ZURN FIG. NUMBER	CONN.	TOP GR. MATERIAL	GRATE SIZE	REMARKS
FD-1	1	Z-415	2"	NICKEL BRONZE	TYPE "B" 6"	WITH TRAP PRIMER CONNECTION
FD-2	1	Z-415	3"	NICKEL BRONZE	TYPE "E" 7"	WITH FUNNEL AND TRAP PRIMER CONNECTION
FS-1	-	Z-1910	2"	NICKEL BRONZE	8"X8"	ALUMINUM DOME STRAINER
WCO	-	Z-1468	2 7/8"	STAINLESS STEEL COVER	5 7/8"	NICKEL BRONZE PLUG
FCO	1	Z-1400	4"	NICKEL BRONZE	6"	
GCO	-	Z-1474	4"	DURESIST COVER	9"	WITH INTERNAL CLEANOUT
RD-1	-	Z-121	4"	GALVANIZED CAST IRON	12"	ROOF DRAIN
OD-1	-	Z-121	4"	GALVANIZED CAST IRON	12"	WITH EXTERNAL DAM

NOTE(S): 1 REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES.

PLUMBING FIXTURES AND EQUIPMENT CONNECTION SCHEDULE

CODE	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	HWT	MANUFACTURER AND MODEL NO.
WC-1	WATER CLOSET (ADA COMPLIANT)	4"	INTEGRAL	2"	1-1/4"	-	-	KOHLER K-4302 "HIGHCREST" FLUSH VALVE SLOAN ROYAL 111, 1.6 GPF, LUSTRA-K-4670-C SEAT
WC-2	WATER CLOSET	4"	INTEGRAL	2"	1-1/4"	-	-	KOHLER K-4350 "WELLCOMME" FLUSH VALVE SLOAN ROYAL 111, 1.6 GPF, LUSTRA-K-4670-C SEAT
WC-3	WATER CLOSET (ADA COMPLIANT) (ADULTS)	4"	INTEGRAL	2"	1-1/4"	-	-	KOHLER K-4330 "KINGSTON" LITE TOILET SLOAN ROYAL FLUSH VALVE 111, LUSTRA K-4670-C SEAT.
UR-1	URNAL (ADA COMPLIANT)	2"	INTEGRAL	1-1/2"	3/4"	-	-	KOHLER K-5018-ET "DEKTER", 1.0 GPF, FLUSH VALVE SLOAN ROYAL 186-1.
LAV-1	LAVATORY (ADA COMPLIANT) (ADULTS)	2"	1-1/2"x1-1/2"	1-1/2"	1/2"	-	1/2"	KOHLER K-2005 "KINGSTON", 4" FAUCET CENTERS, K-15592-5 CHROME PLATED FAUCET.
SK-1	DOUBLE COMPARTMENT SINK TO GI-1	2"	GREASE INTERCEPTOR	1-1/2"	3/4"	3/4"	-	ELKAY SS82330UR, STAINLESS STEEL SCULLERY SINK, DOUBLE COMPARTMENT, FAUCET ELKAY 167 WITH SPRAY HOSE, CONTINUOUS WASTE CONNECTION
SK-2	SINK (ADA COMPLIANT)	2"	1-1/2"x1-1/2"	1-1/2"	1/2"	-	-	ELKAY "LUSTERTONE" LRAD-2119, STAINLESS STEEL, FAUCET LK-232-S-BH, 4" WRIST BLADE HANDLES, LK-SL BASKET STRAINER
SK-4	PREP SINK	2" (W)	-	-	3/4"	3/4"	-	ELKAY CUSTOM MADE WALL HUNG SINK, 18" X 27", FAUCET LK232S
SK-3	HAND SINK	2"	1-1/4"x1-1/4"	1-1/2"	3/4"	-	3/4"	ELKAY CHS1718C, STAINLESS STEEL (INCLUDES FAUCET AND DRAIN)
DF-1	DRINKING FOUNTAIN (ADA COMPLIANT)	2"	1-1/4"x1-1/4"	1-1/2"	1/2"	-	-	HAWS 1011, STAINLESS STEEL, DUAL UNIT, BACK PLATE, MOUNTING FRAME, SUPPORT CARRIER, ACCESS PANEL
SS-1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	-	KOHLER K-6710 "WHITBY", FAUCET K-8907.
HB-1	HOSE BIBB	-	-	-	-	-	-	ZURN Z-1360, NARROW WALL HYDRANT, STAINLESS STEEL BOX, BRONZE BODY, VACUUM BREAKER.
HB-2	HOSE BIBB	-	-	-	3/4"	-	-	ZURN Z-1350, GROUND HYDRANT, HEAVY-DUTY COVER, NICKEL BRONZE BOX, VACUUM BREAKER.
HB-3	HOSE BIBB	-	-	-	3/4"	3/4"	-	ZURN Z-1325, WALL HYDRANT, ENCASED, HOT AND COLD WATER COMBINATION, VACUUM BREAKERS.

- 1 PROVIDE PROTECTIVE COVERS FOR TRAP AND SUPPLIES AS MANUFACTURED BY TRUEBERO MODELS 101 AND 102.
- 2 INSTALL FLUSH VALVE HANDLE ON WIDE SIDE OF STALL.

- ### GENERAL NOTES
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATION.
 - ANY DISCREPANCIES DISCOVERED DURING THE PRE-BID WALK-THRU OR DURING THE REVIEW OF THE EXISTING DOCUMENTS AND THE DESIGN DOCUMENTS WHEREIN SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION AT LEAST SEVEN DAYS PRIOR TO BID. DURING THE JOBSITE VISITS PRIOR TO BIDDING, TAKE MEASUREMENTS AND SUCH OTHER INFORMATION AS TO THE LOCATIONS, DEPTH, CAPACITIES AND SIZES OF EXISTING EQUIPMENT AND PIPING TO WHICH CONNECTIONS MAY BE MADE OR WHICH MAY BE DEMOLISHED, ABANDONED OR REROUTED. IF ANY ADDITIONAL WORK IS REQUIRED DUE TO OMISSIONS OR DISCREPANCIES AFTER THE CONTRACT FOR THE WORK IS AWARDED AND IF SUCH OMISSIONS OR DISCREPANCIES WOULD HAVE BEEN REVEALED BY A SITE VISIT OR A REVIEW OF THE EXISTING DRAWINGS, THEN THE CORRECTIVE ADDITIONAL WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
 - DO NOT INTERRUPT OR SHUT DOWN ANY SITE UTILITIES WITHOUT PRIOR WRITTEN APPROVAL.
 - INSULATE ALL (N) DOMESTIC HOT WATER PER SPECIFICATION SECTION 15000. INSULATION SHALL BE NON-COMBUSTIBLE MATERIAL MEETING CODE REQUIREMENTS AND FIRE AND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURE ASTM E-84, NFPA 225 AND UL 723 NOT EXCEEDING FLAME SPREAD 25 AND SMOKE DEVELOPED 50, ADHESIVES, MASTICS, CEMENTS, ETC. WILL NOT EXCEED THE SAME COMPONENT RATINGS.
 - PROVIDE U.L. LISTED AND FIRE MARSHALL APPROVED FIRE STOPPING SYSTEMS WHERE (N) PIPES PENETRATE FIRE RATED WALLS OR FLOORS.
 - THE DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATION WITH OTHER TRADES. BEFORE SUBMITTING THE BID, CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND DETERMINE ALL REQUIREMENTS TO PROVIDE A FULLY FUNCTIONAL PLUMBING SYSTEM AS DESCRIBED ON THE DRAWINGS.
 - BEFORE ANY TRENCHING, DETERMINE THE EXACT ROUTING AND INVERT ELEVATIONS OF (S) UNDERGROUND UTILITIES BY REVIEWING (S) DRAWINGS AND THROUGH FIELD SURVEY.

LEGEND AND ABBREVIATIONS

SYMBOL	ABBR	DESCRIPTION
(1-2)		DETAIL NUMBER
(1-1)		DRAWING NUMBER
(1)		SECTION NUMBER
(1)		EQUIPMENT IDENTIFICATION
(1)		BUILDING EQUIPMENT NUMBER
---		LINE CONTINUED
-----		SLOPE DOWN
-----		NEW EQUIPMENT/PIPING
-----		EXISTING EQUIPMENT/PIPING TO BE DEMOLISHED
-----		EXISTING EQUIPMENT/PIPING TO REMAIN
-----		SANITARY SOIL OR WASTE PIPING
-----		SANITARY SOIL OR WASTE PIPING BELOW SLAB
-----		VENT PIPING
-----		DOMESTIC COLD WATER
-----		DOMESTIC HOT WATER (140°F)
-----		DOMESTIC HOT WATER - TEMPERED - RECIRCULATED
-----		DOMESTIC HOT WATER - TEMPERED (120°F)
-----		CONDENSATE DRAIN
-----		NATURAL GAS
-----		FLOW CONTROL VALVE
-----		UNION
-----		PRESSURE GAUGE
-----		THERMOMETER
-----		BALL VALVE
-----		GAS COCK
-----		STRAINER
-----		SAFETY RELIEF VALVE, RELIEF VALVE
-----		GAGE COCK
-----		PRESSURE REDUCING VALVE
-----		FLOW SWITCH
-----		REDUCED PRESSURE BACKFLOW PREVENTER
-----		CHECK VALVE
-----		FLEXIBLE CONNECTION
-----		FLOOR SINK
-----		ACCESS PANEL
-----		INDIRECT WASTE
-----		UNLESS OTHERWISE NOTED
-----		SEE ARCHITECTURAL DRAWINGS
-----		SEE MECHANICAL DRAWINGS
-----		CONNECT TO EXISTING
-----		RELOCATE

EQUIPMENT ANCHORAGE NOTES

IN ACCORDANCE WITH TITLE 24, SECTION 1632A, DETAILS SHALL BE PROVIDED FOR THE SEISMIC ANCHORAGE OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT. ANCHORAGE DETAILS SHALL BE BASED UPON APPROPRIATE DESIGN CALCULATIONS.

FOR EQUIPMENT WEIGHING 400 POUNDS OR MORE ANCHORAGE DETAILS AND APPROPRIATE DESIGN CALCULATIONS SHALL BE SUBMITTED AS PART OF THE MECHANICAL AND ELECTRICAL DRAWING. "DEFERRED APPROVAL" ITEMS WILL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE PLAN CHECK SUPERVISOR.

EXCEPTION: ATTACHMENTS OF EQUIPMENT WEIGHING LESS THAN 400 POUNDS AND SUPPORTED DIRECTLY ON THE FLOOR OR ROOF STRUCTURE, FURNITURE OR TEMPORARY OR MOVABLE EQUIPMENT AND EQUIPMENT WEIGHING LESS THAN 20 POUNDS THAT IS SUPPORTED BY VIBRATION DEVICES SUSPENDED FROM THE ROOF, WALL OR FLOOR, NEED NOT BE DETAILED ON THE PLANS PROVIDED THE FOLLOWING NOTES ARE INCLUDED ON THE MECHANICAL AND ELECTRICAL PLANS.

ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

THE TOTAL DESIGN LATERAL SEISMIC FORCE SHALL BE DETERMINED FROM SECTION 1632A.2 CALIFORNIA BUILDING CODE (CBC) 1998. FORCES SHALL BE APPLIED IN THE HORIZONTAL DIRECTIONS WHICH RESULT IN THE MOST CRITICAL LOADINGS FOR THE DESIGN. THE VALUE OF C_p (COMPONENT AMPLIFICATION FACTOR) AND R_p (COMPONENT RESPONSE MODIFICATION FACTOR) OF SECTION 1632A.2 SHALL BE SELECTED FROM TABLE 16A-0, CBC 1998. THE VALUE OF I_p (SEISMIC IMPORTANCE FACTOR) AND C_e (SEISMIC COEFFICIENT) SHALL BE SELECTED FROM TABLE 16A-K AND 16A-0, CBC 1998, RESPECTIVELY.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

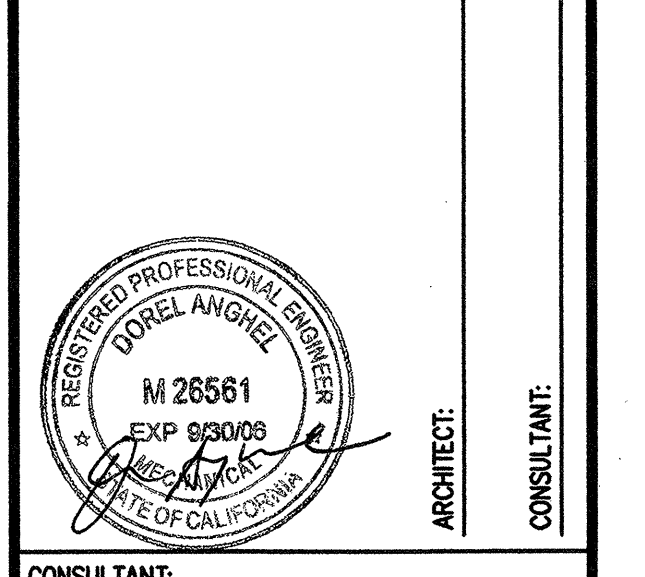
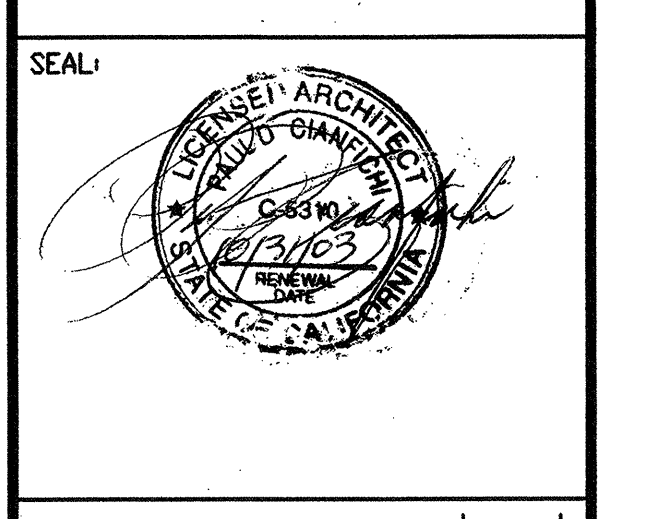
DUCT AND PIPE BRACING:
PER SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINE FOR MECHANICAL SYSTEMS" FIRST EDITION, 1991, PROVIDE LONGITUDINAL AS WELL AS TRANSVERSE BRACING FOR ALL GAS PIPING 1 INCH NOMINAL DIAMETER AND LARGER. ALL PIPING IN BOILER OR MECHANICAL ROOMS 1-1/4 INCHES AND LARGER AND ALL OTHER PIPING 2-1/2 INCHES AND LARGER SIMILARLY. BRACE ALL RECTANGULAR OR FLATOWAL DUCTWORK WITH CROSS SECTIONAL AREAS OF 6 SQUARE FEET AND LARGER OR ROUND DUCTWORK 28 INCHES IN DIAMETER AND LARGER.

DRAWING INDEX

DWG. NO.	DESCRIPTION
P0.1	LEGEND AND SCHEDULES
P1.1	FLOOR PLAN - PLUMBING
P1.2	ROOF PLAN - PLUMBING
P2.1	PARTIAL FLOOR PLANS - PLUMBING
P3.1	DETAILS

REVISIONS

NO.	DATE	REASON	BY
1	11/29/01	RE-BID	DA
2	03/17/03	CHANGE REQUEST #19	DA
3	05/20/03	CHANGE REQUEST #20	DA



CONSULTANT:
MECHANICAL DESIGN STUDIO inc
1777 Coldwell Blvd., Suite 210
Walnut Creek, California 94596
TEL: (925) 256-8658
FAX: (925) 256-8658
www.mds-studio.com
PROJECT # 200100

ARCHITECT:
C I A N F I C H I
ARCHITECTURE • PLANNING
30 ANNE COURT
WALNUT CREEK, CA 94598
TEL: (925) 256-8658
FAX: (925) 256-8652

PROJECT:
**CHILD DEVELOPMENT CENTER
CANADA COLLEGE**

STAMP:
APPROVED
DIV. OF THE STATE ARCHITECT
AO: *AG* PLS: *ED* SSS: *SC*
APPL. NO. *103529* DATE: *6.16.03*

APPL. NUMBER:
KEY PLAN:
AS-BUILTS

SHEET TITLE:
LEGEND AND SCHEDULES

DRAWN BY:
JLM/UK

CHECKED BY:
DA

APPL. NO.:

DATA NO.:

PROJECT NO.:

304.99

DATE:

JULY 3, 2000

SHEET:

P0.1r

NO. OF: