

The structural engineer of record shall verify the adequacy of the structure to support the hanger and brace loads.

E. Equipment weighing less than 20 pounds suspended from a roof or floor or hung from a wall.

approval of the Mechanical/Electrical Engineer.

For those elements that do not require details on the approved drawings, the installation shall be subject to the

PLUMBING FIXTURE SCHEDULE

Floor mounted accessible flush-valve elongated water closet, "Kohler" # K-4405, 1.28 gallons / flush, "Sloan" # 8111-1.28 Optima + battery powered sensor flush-valve, heavy duty plastic elongated open - front seat, bolt caps, 4" S. & W., 2" V.O., 1 1/4" C.W. (reduce to 1" @ flush-valve), see plan for trap primer accessory. Floor mounted flush-valve elongated water closet, "Kohler" # K-4406, 1.28 gallons / flush, "Sloan" # 8111-1.28 Optima + battery powered sensor flush valve, heavy duty plastic elongated open - front seat, bolt caps, 4" S. & W., 2" V.O., 1 1/4" C.W. (reduce to 1" @ flush-valve), see plan for trap primer accessory.

Youth flush-valve water closet, "Kohler" # K-4321 w/ 1.6 gallons / flush, "Sloan" # 8111-1.6 Optima + battery powered sensor flush valve, "Kohler" # 4686A open front seat, bolt caps, 4" S. & W., 2" V.O., 1 1/4" C.W.(reduce to 1" @ flush-valve), see plan for trap primer accessory.

Wall mounted water saver urinal; "Sloan" #WEUS-1000.1402-0.13 SMO with "Sloan" Optima + battery powered sensor flush-valve, 1 pint per flush, "J. R. Smith" # 0637 carrier, ¾" C.W., 2" W., 2" W.C.O., 1 ½" V.O. (see arch. drawings for mounting heights).

Wall hung cast iron accessible lavatory, "Kohler" # K-2810 (20" x 18") Hudson, offset grid drain, "Chicago" metering single temp. faucet # 3400-CP, (1) angled wall stop with supply, 17 ga. C.P. trap/tailpiece, ½" C.W., 2" W., 1 ½" V.O., 2" W.C.O., screw through 3/8" diameter bolt holes located below lavatory into steel backer plate as detailed on plans.

Wall hung vitreous china accessible lavatory, "Kohler" # K-2005 (21" x 18") Kingston, offset grid drain, "Chicago" metering hot/cold faucet # 3300-CP, (2) angled wall stops with supplies, 17 ga. C.P. trap/tailpiece, (wrap H.W. and trap/tailpiece per specifications) ½" H.W./C.W., 2" W.C.O., 1- ½" V.O., Provide "J.R. Smith" # 0700 floor mounted carrier with concealed arms.

Wall hung cast iron accessible lavatory, "Kohler" # K-2810 (20" x 18") Hudson, "Pro-Flow" # PFHGD offset grid drain, "Chicago" metering hot/cold faucet # 3300-CP. (2) angled wall stops with supplies, 17 ga. C.P. trap/tailpiece, (wrap H.W. and trap/tailpiece per specifications) ½" H.W./C.W., 2" W., 1 ½" V.O., 2" W.C.O., screw through 3/8" diameter bolt holes located below lavatory into steel backer plate as detailed on plans.

Counter mounted 18 ga. stainless steel (22"x19"x6 1/2") accessible single bowl sink, "Elkay" # LRAD2219, # LK99 strainer, "Chicago" #786-E29 faucet with 4" wristblade handles and gooseneck spout, (2) angled wall stops with supplies, 17 ga. C.P. trap/tailpiece, ½" H.W./C.W., 2" W., 1 ½" V.O., 2" W.C.O. (off-center rear drain), provide dishwasher fittings as required - see plan for D.W.

Counter mounted stainless steel accessible classroom sink with U-channel type mounting system, "Elkay" # DRKR25172LM with center mounted "Chicago"# 350-317ACBP gooseneck faucet and "Haws" # 5054LF bubbler, strainer / grid drain, (1) angled wall stop w/ (2) supplies; one to faucet and one through "Aqua Pure" # AP717 filter to bubbler, 17 ga. C.P. trap/tailpiece, ½" C.W., 2" W., 2" W.C.O., 1 ½" V.O.,

Recessed stainless steel wall box mounted hose bibb, "Acorn" # 8151 with door, integral vacuum breaker, 3/4" C.W.,

Wall mounted chrome plated brass loose tee key hose bibb, "Acorn" # 8121 with integral vacuum breaker, 34" C.W.,

Riser mounted hose bibb, "Acorn" # 8136 with integral vacuum breaker and loose tee key handle, 3/4" C.W.,

Wall hose bibb with round frame and lockable door, "Woodford" # RB-67 for masonry walls, ¾" C.W., integral non-removable vacuum breaker, (Core Drill or block-out required)

Cast iron floor drain, "J.R. Smith" # 2005 with 5" dia. bronze grate, 2" trap with primer connection, 2" W., 1 1/2" V.O.,

Enameled cast iron floor sink, "Commercial Enameling" (12" x 12") with half grate, 2" W., 2" trap, 1 ½" V.O., 2" V.O. below slab if shown,

Enameled cast iron floor sink, "Commercial Enameling" (12" x 12") with half grate, 3" W., 3" trap, 1 ½" V.O., 2" V.O. below slab if shown, 4"x8" enameled cast iron floor sink, "J.R. Smith" # 3300Y-12 with nickel-bronze rim and half-grate, 2" W., 2" V.O. (below floor), 1 ½" V.O.

Stainless steel floor sink (trough) w/S.S. strainer basket, "Advance Tabco" # FTG-1836 (18" wide x 36" long x 2" deep) w/4"x3" waste reducer to 3" W., 3" trap w/ primer connection, 2" V.O. below slab,

Bronze body domestic hot water circulating pump, "Bell & Gossett" #NBF-22, 92 Watts @ 120v.-1ph., 7 GPM @ 10ft. head, Provide "Honeywell" Aquastat control with remote bulb in domestic hot water return line and 7 day digital programmable time clock.

Domestic bronze hot water circulating pump, "Bell and Gossett" Series PL45B, 10GPM @ 25 ft head, 1/6 H.P. @ 120v.-1ph., Provide "Honeywell" Aquastat control with remote bulb in domestic hot water return line and 7 day digital programmable time clock.

Electric undercounter point of use water heater, "EEMAX" SP-4208, 4.1 K.W. @ 208/230v.-1ph., Mount under cabinet/lavatory in an ADA compliant manner. (1/2" H.W. to sink faucet), ½ GPM flow rate. 57 degree rise, 3 lbs.

shown on plans, 34" C.W. to and 120 degree H.W. from, provide secondary drain pan w/1"drain, 239 lbs. Electric water heater, "A.O. Smith" # DEL-10, 10 gallon glass lined tank, (1) 4500 Watt element @ 208/230v.-1ph., T.&P. relief valve with full size discharge as

shown on plans, 3/4" C.W. to and H.W. from, secondary drain pan, 137 lbs. Floor mounted cast iron mop sink, "Kohler" # K-6710 w/ rim guard, (3") strainer, "Chicago" # 897 wall mounted faucet with vacuum breaker and top brace, 3" trap,

3/4" H.W./C.W., 3" W., 2" V.O., (28" x 28" - 163 lbs.) Garbage disposal by Kitchen Contractor, 15400 to rough-in and connect. 2" W., 1/2" C.W. w/S.O.V. & "Shoktrol".

Sound insulated garbage disposal, "Insinkerator" # PRO-333-SS, ¾ H.P. @ 120v.-1ph.,

Galvanized ice maker wall box fitting with ¼ turn ball valve and integral water hammer arrestor, "Guy Gray" series "BIM", ½" C.W., ¼" coiled soft copper tubing for

Wall mounted dual electric accessible drinking fountain, "Haws" # HWUAC08L, 4.6 F.L.A.. @ 120v.-1ph., (1) threaded angle wall stop with braided S.S. supply, 17 Wall mounted electric accessible single drinking fountain, "Haws" #HWUAC8, 1/5th H.P. @ 120v-1ph., (1) angle wall stop with supply, 17 ga. C.P. trap/tailpiece,

1/2" C.W., 2" W., 2" W.C.O., 1-1/2" V.O. Trap primer in wall access door, "PPP" with manifold as required for multiple traps, 1/2" C.W. w/ ball valve to primer,

Single wall mounted accessible SS drinking fountain, "Haws" # 1109.14 w/ # 6800 mounting plate, push button operation, (2) 17 ga. C.P. trap/tailpiece, (2) angled

wall stops with supplies to each bubbler, 2" W.C.O., 1 ½" V.O., ½" C.W. (Mounted in pairs at specific heights, see Arch. drawings) Wall mounted dual bubbler accessible drinking fountain, "Haws" # 1441, # 6710 mounting plate, cast aluminum with white epoxy finish, push button operation, 17 ga. C.P. trap/tailpiece, (1) angled wall stop with supply(ies) to each bubbler, 2" W., 1-1/2" V.O.,

Cast iron roof drain, 4" "J.R. Smith" # 1010Y, drain with cast iron strainer, overflow to be 4" "J.R. Smith" # 1080Y with cast iron strainer and integral 2" dam height. Provide sump pan per Architectural detail. Route rain water leaders / overflows per Architectural plans

Cast iron roof receptor, "J.R. Smith" # 3960-C-R, underdeck clamp, sump receiver, 2" drain outlet, 1 ½" V.T.R. (see plan for location)

Gas high efficiency (94%) sealed combustion water heater, "A.O. Smith" # BTH-199, 100 gallon glass lined tank, 199,000 BTUH nat. gas input, 283 GPH recovery @ 80 degree rise, 3" dia. PVC flue & 3" dia. PVC combustion air routed thru roof w/concentric kit, "Amtrol" # ST-12 expansion tank mounted on the C.W. inlet, 5 amps at 120v.-1 phase for flue blower and electronic ignition, 1271 lbs (wet), provide flue condensate to adjacent floor sink.

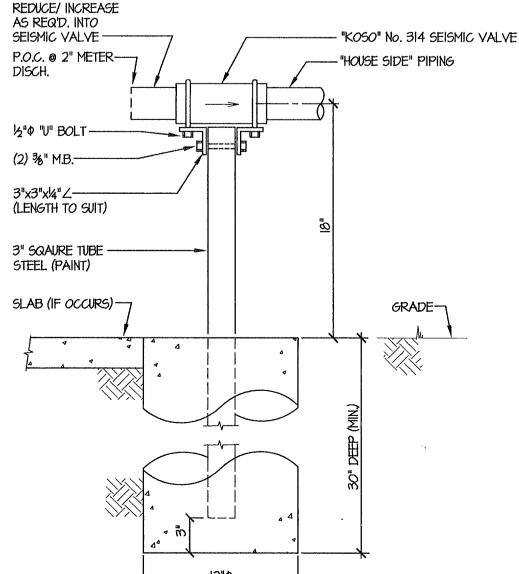
Exposed mounted high-low tempering valve, "Leonard" # TM-420A-DT, 3/4" H.W./C.W. inlets, 1" tempered water outlet, rough brass, outlet thermometer, (set to 110 degrees F.) 1-35 GPM range. Hand sink and faucet by kitchen contractor, Spec. Section 15400 to rough-in and connect w/ (2) loose key angled wall stops with supplies, 17 ga. C.P. trap/tailpiece,

½" H.W./C.W., 2" W., 1 ½" V.O., 2" W.C.O.,

Free standing stainless steel kitchen scullery sink with faucet(s) and drain fitting(s) by kitchen contractor, Spec. Section 15400 to provide soldered "L" copper tailpiece assembly(ies) to floor sink and install faucet(s)/drain fitting(s), 3/4" H.W.and C.W. with corp. stops and supplies to faucet(s),

Condensate Pump, "Beckett" # CU-19-1-UL, 85 watts @ 120v.-1ph., 55 GPH @ 15' head, safety switch, check valve, cord w/plug, 1.7 qt. integral tank, provide 3/8" type "M" soft copper riser piping up to above ceiling. Tee into top of ¾" "L" copper gravity condensate drain and route per plan. Provide trapped gravity drain into

Can wash, "J.R. Smith" #2690 with adjustable spray nozzle and integral drain, #3380 wall box mounted mixing valve with keylock door integral vacuum breaker, 1/2" H.W./C.W., ½" tempered water supply sleeved below grade to spray nozzle, 2" drain with trap, 2" V.O.



GAS CALC's.: BUILDING "A" (2001) 4.399 MBH BUILDING "H" (400') 120 MBH TOTAL 4,519 MBH = 1-1/4" FOR BLD'G. "H" & = 4" WELDED FOR BLD'G. "A" PLUMBING SITE PLAN KEYNOTES: 1. 2" waste to 5' out, see Civil for continuation. 2. 3" C.W. to 5' out, see Civil for continuation.

3. 4" soil & waste to 5' out, see Civil for continuation. 4. 3" waste from grease trap, see Civil for continuation. 5. 2" C.W. to 5' out, see Civil for continuation. 6. 1-1/4" C.W. to 5' out, see Civil for continuation. 7. 2-1/2" C.W. to 5' out, see Civil for continuation.

PROPERTY OF THE ARCHITECT.

FAX #: (661) 397-2116

Plt: 1-11-12

ORDIZ-MELBY ARCHITECTS, INC 2010 SHEET TITLE

> **PLUMBING** SITE PLAN & SCHEDULE

SHEET IDENTIFICATION NUMBER

MECHANICAL DESIGN CONCEPTS, INC. 5500 Ming Ave, Suite 251 Bakersfield, CA 93309

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ARCHITECTS, INC.

ARCHITECT C-16,835

IDENTIFICATION STAMP **DIVISION OF STATE ARCHITECT** OFFICE OF REGULATION SERVICES APPL. #:02-112027 FILE #: 15-6

PTN # 63321-112

SCHOOL 9801 HIGHLAND KNOLLS DR BAKERSFIELD CALIFORNIA

NEW ELEMENTARY

NEW MIDDLE SCHOOL 4115 VINELAND ROAD BAKERSFIELD CALIFORNIA

BAKERSFIELD CITY SCHOOL DISTRICT 1300 BAKER STREET

BAKERSFIELD CALIFORNIA 93305

MARK	DATE	DESCRIPTION
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200101244

DRAWN BY ΚW CHECKED BY: CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE

P-101