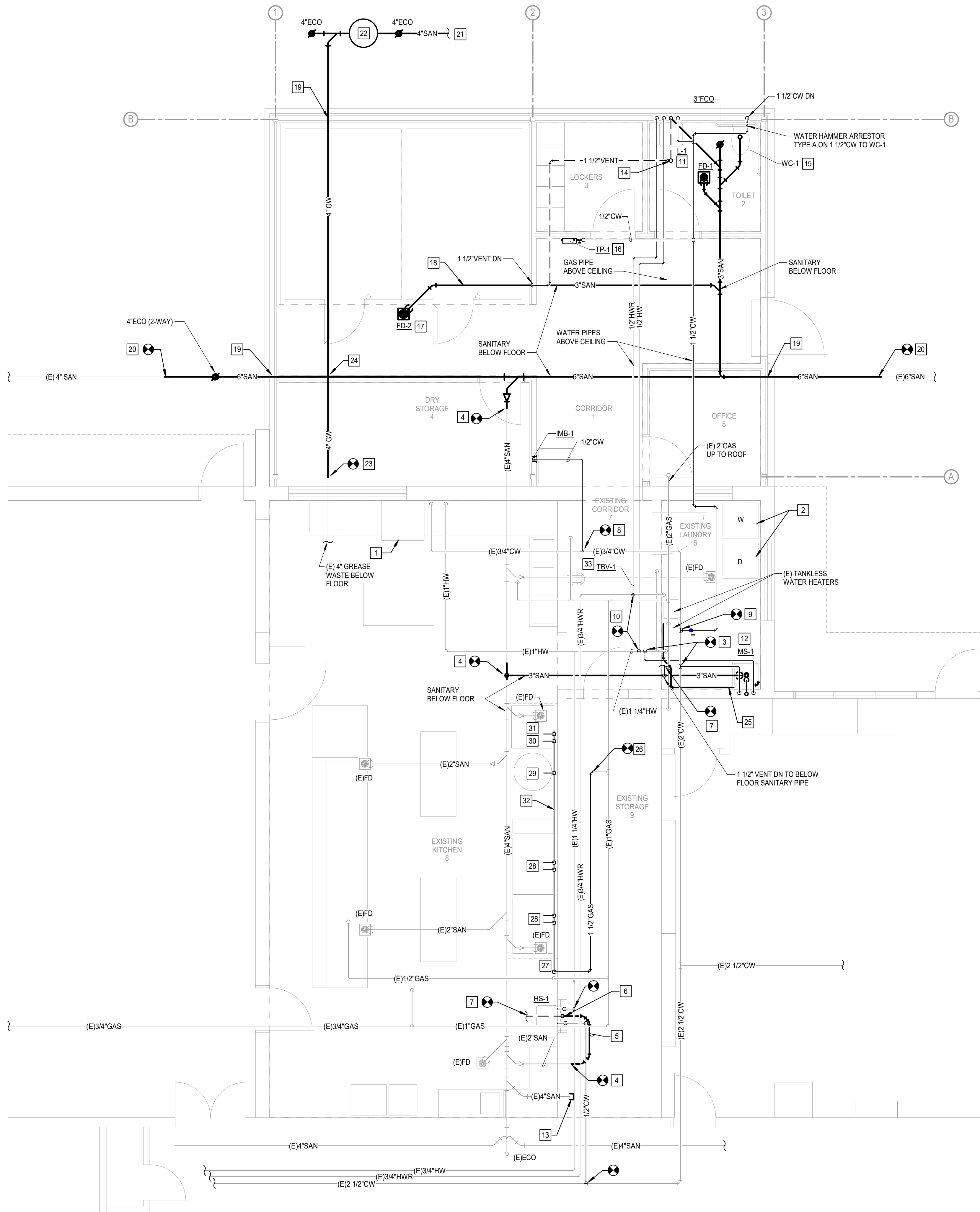




1 PLUMBING PLAN
Scale: 1/4" = 1'-0"

GENERAL NOTES

- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. VERIFY NATURAL GAS PRESSURE IN SYSTEM AND REPORT PRESSURE TO ENGINEER.
- INSULATE ALL WATER PIPING ABOVE CEILING.
- PROVIDE WATER HAMMER ARRESTORS (HA) ON WATER LINES TO FLUSH VALVES, SENSOR FAUCETS AND QUICK CLOSING VALVES. LOCATE IN ACCESSIBLE LOCATIONS.
- SINK AND LAVATORY WATER SUPPLY STUB OUTS SHALL BE COPPER PIPE WITH SUPPORT BRACKETS FASTENED IN WALL CAVITY.
- REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P801 FOR FIXTURE ROUGH-IN PIPE SIZES.
- TRAP PRIMER LINES SHALL BE COPPER TYPE "K" OR PEX-a TUBING WITH CONTINUOUS SLOPE TOWARDS DRAIN CONNECTION.
- FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATINGS.
- PROVIDE ACCESS PANELS FOR ALL VALVES / DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS. INSTALLING CONTRACTOR TO COORDINATE EXACT LOCATIONS OF VALVES AND ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL GAS PIPE SHALL COMPLY WITH IFGC. BRANCH LINES SHALL TAP OFF TOP OF GAS MAINS AND INSTALL SHUT-OFF VALVE ON BRANCH LINE.
- COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER FOR EQUIPMENT CONNECTIONS. PROVIDE NATURAL GAS BRANCH LINES FROM MAIN TO EQUIPMENT WITH DORMONT FLEXIBLE GAS LINE, SWIVEL CONNECTIONS AND BALL VALVE

KEYED NOTES

- EXTEND OR ADJUST PIPING AS REQUIRED FOR INSTALLATION OF NEW DISHWASHER AND DISHTABLE IN SAME LOCATION.
- EXTEND OR ADJUST PIPING AS REQUIRED FOR REINSTALLATION OF WASHER AND DRYER. COORDINATE MOUNTING HEIGHT AND INSTALLATION OF REUSED WASHER BOX WITH NEW WALL CONSTRUCTION.
- FIELD VERIFY LOCATION OF EXISTING WATER MAINS IN THIS AREA AND CONNECT NEW 1/2" CW AND 1/2" HW SERVING NEW MOP SINK TO EXISTING. COORDINATE WITH ELECTRICAL FOR ROUTING OF PIPES TO AVOID CONFLICTS WITH ELECTRICAL PANELS.
- FIELD VERIFY INVERT ELEVATION, SIZE AND LOCATION OF EXISTING SANITARY MAIN IN THIS AREA AND CONNECT NEW SANITARY BRANCH PIPING TO EXISTING. EXTEND OR ADJUST PIPING AS REQUIRED TO ROUTE NEW SANITARY BRANCH PIPING TO NEW FIXTURE.
- ROUTE 2" SANITARY BELOW FLOOR AND CONNECT TO EXISTING SANITARY. COORDINATE ROUTING ON SITE.
- ROUTE 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN IN NEW WALL TO NEW HAND SINK. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. ROUTE 2" SANITARY DOWN TO BELOW FLOOR.
- FIELD VERIFY LOCATION OF NEAREST EXISTING VENT MAIN 2" OR LARGER AND CONNECT NEW 1 1/2" VENT TO EXISTING. EXTEND OR ADJUST PIPING AS REQUIRED.
- FIELD VERIFY SIZE AND LOCATION OF EXISTING CW MAIN IN THIS AREA AND CONNECT NEW 1/2" CW SERVING ICE MACHINE TO EXISTING. EXTEND OR ADJUST PIPING AS REQUIRED FOR INSTALLING NEW FIXTURE.
- FIELD VERIFY SIZE AND LOCATION OF NEAREST 2" OR LARGER CW MAIN IN THIS AREA AND CONNECT NEW 1/2" CW WITH BALL VALVE TO EXISTING. EXTEND OR ADJUST PIPING AS REQUIRED FOR INSTALLING NEW FIXTURES.
- FIELD VERIFY SIZE AND LOCATION OF NEAREST EXISTING HW AND HWR MAINS IN THIS AREA AND CONNECT NEW 1/2" HW AND 1/2" HWR TO EXISTING. EXTEND OR ADJUST PIPING AS REQUIRED FOR INSTALLING NEW FIXTURE.
- ROUTE 1/2" CW, 1/2" HW, 1/2" HWR AND 2" VENT DOWN IN WALL TO SERVE LAVATORY. CONNECT 1/2" HWR WITHIN 2'-0" OF HW SUPPLY STOP. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 2/P501.
- PROVIDE 1/2" CW AND 1/2" HW WITH CHECK VALVE, BALL VALVES AND WATER HAMMER ARRESTORS PRIOR TO DROPPING IN WALL DOWN TO NEW MOP SINK. PROVIDE 3" SANITARY TO MOP SINK. SEE DETAIL 3/P501.
- CAP EXISTING 4" SANITARY BELOW FLOOR.
- ROUTE 2" VENT UP THRU ROOF. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.
- COORDINATE WITH STRUCTURAL FOR LOWERING FOUNDATION FOOTING FOR INSTALLATION OF SANITARY PIPE TO WATER CLOSET TO AVOID CONFLICTS.
- INSTALL TRAP PRIMER ABOVE CEILING. ROUTE 1/2" CW FROM PRIMER TO BELOW FLOOR TO FLOOR DRAIN FD-2. ROUTE 1/2" CW FROM TRAP PRIMER ABOVE CEILING TO RESTROOM WALL AND DOWN TO FD-1. COORDINATE 120V POWER WITH EC. SEE DETAIL 1/P501.
- COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER FOR COOLER/FREEZER CONDENSATE DRAIN PIPING TO FLOOR DRAIN. PROVIDE 1/2" TRAP PRIMER LINE TO FLOOR DRAIN.
- COORDINATE WITH COOLER / FREEZER SUPPLIER FOR INSTALLATION OF SANITARY PIPE BELOW UNITS TO AVOID CONFLICTS.
- INSTALL SANITARY OR GREASE WASTE PIPE IN PIPE SLEEVE THRU OR BELOW NEW WALL FOUNDATION. COORDINATE WITH STRUCTURAL FOR SLEEVE INSTALLATION.
- FIELD VERIFY INVERT ELEVATION, SIZE AND LOCATION OF EXISTING SANITARY MAIN IN THIS AREA AND CONNECT NEW SANITARY PIPING TO EXISTING. ROUTE NEW SANITARY PIPING (PVC) UNDER NEW ADDITION.
- COORDINATE WITH SITE CONTRACTOR FOR ROUTING NEW 4" SANITARY BELOW GRADE AND CONNECT TO EXISTING 6" SANITARY PIPE.
- RELOCATED GREASE INTERCEPTOR. FIELD VERIFY AND COORDIANTE LOCATION WITH OWNER.
- CONNECT NEW 4" EPOXY COATED CAST IRON GREASE WASTE PIPE TO EXISTING PIPE. FIELD VERIFY INVERT ELEVATION, PIPE SIZE AND LOCATION.
- FIELD VERIFY INVERT ELEVATIONS OF NEW 6" SANITARY PIPE AND NEW 4" GREASE WASTE PIPE TO AVOID CONFLICTS.
- ROUTE NEW WATER HEATER CONDENSATE DRAIN ABOVE FLOOR ALONG WALL AND TERMINATE OVER MOP SINK. FIELD VERIFY DRAIN LINE SIZE AND ROUTING. SLOPE TOWARDS MOP SINK.
- CONNECT NEW 1 1/2" NATURAL GAS TO EXISTING 1 1/2" NATURAL GAS PIPE. FIELD VERIFY LOCATION AND PIPE SIZE.VERIFY GAS PRESSURE IN THIS LINE. IF 2 PSI GAS PRESSURE INSTALL MAXITROL REGULATOR 325-SL WITH OUTLET PRESSURE OF 10 W.C. GAS LOAD 500 MBH.
- COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER FOR INSTALLATION OF GAS SOLENOID VALVE IN NEW 1 1/2" GAS LINE (600 MBH, LOW PRESSURE) SERVING COOKING LINE. SOLENOID VALVE FURNISHED BY KES AND INTERLOCKED WITH HOOD FIRE SUPPRESSION SYSTEM. COORDINATE POWER WITH EC. ROUTE 1 1/2" GAS LINE DOWN WALL AND BEHIND KITCHEN FIXTURES.
- EXISTING DOUBLE STACK CONVECTION OVENS REINSTALLED BY KEC. PROVIDE NEW BALL VALVE AND 3/4" GAS FLEX CONNECTION TO EACH UNIT FROM NEW GAS LINE ALONG WALL. 2 UNITS EACH AT 50 MBH (LOW PRESSURE). SEE DETAIL 6/P501.
- PROVIDE 3/4" GAS BRANCH LINE OFF NEW GAS MAIN WITH BALL VALVE AND CAP FOR FUTURE TILTING SKILLET. 120 MBH (LOW PRESSURE). SEE DETAIL 6/P501.
- EXISTING CONVECTION STEAMER REINSTALLED BY KEC. PROVIDE BALL VALVE AND 1" GAS FLEX CONNECTION TO UNIT FROM NEW GAS MAIN ALONG WALL. 300 MBH (LOW PRESSURE). SEE DETAIL 6/P501.
- PROVIDE 3/4" GAS BRANCH LINE OFF NEW GAS MAIN WITH BALL VALVE AND CAP FOR FUTURE CONVECTION STEAMER.
- ROUTE NEW 1 1/2" GAS LINE (LOW PRESSURE) ALONG WALL BEHIND KITCHEN COOKING EQUIPMENT. FIELD VERIFY ROUTING. PROVIDE PIPE SUPPORTS FASTENED TO WALL.
- INSTALL THERMOSTATIC BALANCING VALVE IN 1/2" HWR LINE. COORDINATE WITH SCHOOL FACILITY PERSONAL FOR HWR TEMP SETTING.



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