

| PLUMBING FIXTURE SCHEDULE | | | | |
|---------------------------|---|--|--|--|
| A | TANK WATER CLOSET (HANDICAPPED): AMERICAN STANDARD 2467.016, FLUSH TANK WITH TRIP LEVER ON OPEN SIDE OF TOILET, FLOOR MOUNTED, STANDARD WHITE, FINISHED ELONGATED FRONT BOWL, PRESSURE ASSISTED, 1.6 GPF, RIM 16 1/2" A.F.F., AM. STD. 4142 600 TANK COVER LOCKING DEVICE | | | |
| B | LAVATORY: ZURN MODEL Z5344, 20"x18" WALL HUNG LAVATORY, VITREOUS CHINA, WITH 4" CENTER FAUCET HOLES & ZURN Z-1231 CONCEALED ARM CARRIER, FAUCET, TOTOT TEL 101-010ET STANDARD ECOPOWER FAUCET, SENSOR, 1.0 GPM, 0.18gpc, 4" COVER PLATE #TH1P158RCP, THERMOSTATIC MIXING VALVE, TOTOT TLT10R, PROVIDED & INSTALLED BY CONTRACTOR CONTACT CHRISTINE MCALEXANDER 800-459-7099 PANDARG@HJCINC.COM | | | |
| C | NOT USED | | | |
| D | FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP, PROVIDE 3" OUTLET WITH P-TRAP, CLEAN AND POLISH AFTER INSTALLATION, REFER TO DETAIL 17/P-500, PROVIDE TRAP PRIMER | | | |
| D1 | FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP, PROVIDE 3" OUTLET WITH P-TRAP, CLEAN AND POLISH AFTER INSTALLATION, REFER TO DETAIL 9/P-500, PROVIDE TRAP PRIMER | | | |
| E | FLOOR SINK: ZURN # Z1901-31, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR, RECEPTOR PROVIDED WITH ALUMINUM DOME STRAINER WITHOUT GRATE. | | | |
| E1 | FLOOR SINK: ZURN # Z1901-3-32, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR, RECEPTOR PROVIDED WITH PORCELAIN ENAMEL LOOSE-SET 1/2 GRATE AND ALUMINUM DOME STRAINER. | | | |
| F | NOT USED | | | |
| G | FLOOR DRAIN WITH FUNNEL: ZURN # ZB415-AR-4 ACID RESISTING EPOXY COATED CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, 4" FUNNEL, PROVIDE 2" OUTLET WITH P-TRAP, CLEAN AND POLISH AFTER INSTALLATION, REFER TO DETAIL, PROVIDE TRAP PRIMER | | | |
| H | NOT USED | | | |
| I | GREASE INTERCEPTOR: JENSEN JP1500EE-G, 1500 GALLONS, 4" INLET AND OUTLET, TRAFFIC COVER, REFER TO CIVIL DRAWINGS FOR LOCATION, THE DESIGN OF THE GREASE INTERCEPTOR SHALL BE APPROVED BY LOCAL CITY REQUIREMENT. | | | |
| J | WATER HAMMER ARRESTER: J. R. SMITH #5020, 1" NIPPLE OR EQUAL | | | |
| K | PROVIDE ZURN 375ST STAINLESS STEEL REDUCED PRESSURE PRINCIPLE ASSEMBLY AT BAG-N-BOX, REFER TO 15/P-500 | | | |
| L | HOSE BIBB: ACORN #8121 WITH VACUUM BREAKER, CHROME PLATED. | | | |
| L1 | HOSE BIBB: WOODFORD MB65 FREEZELESS COMMERCIAL CONCEALED BOX TYPE WALL HYDRANT IN SECURE LOCK STYLE MODULAR BOX, SINGLE CHECK ANTI SIPHON VACUUM BREAKER, CHROME HEAD, BRASS VALVE BODY HYDRANT WITH 3/2" HOSE CONNECTION 18" A.F.F. | | | |
| M | TRENCH DRAIN: ZURN #Z-888-RFS, 6" WIDE x 80" LONG, TRENCH DRAIN SYSTEM, MODULAR CHANNEL SECTIONS SHALL BE MADE OF HIGH DENSITY POLYETHYLENE WITH INTERLOCK ENDS, A RADIUS BOTTOM AND REINFORCED STAINLESS STEEL SLOTTED GRATE. | | | |
| M1 | TRENCH DRAIN: ZURN #Z-664, 6" WIDE x 12" LONG, TRENCH DRAIN SYSTEM, PROVIDE ONE BOTTOM OUTLET MODULE AND ONE EXTENSION MODULE WITH INTERLOCK ENDS, SLOTTED HEEL-PROOF GRATE. | | | |
| N | PROVIDE WATTS SD-3 DUAL CHECK VALVE WITH ATMOSPHERIC PORT AND STRAINER AFTER EACH BV. | | | |
| O | FREEZE PROOF ROOF HYDRANT: WOODFORD MODEL: SRH-MS | | | |
| P1 | MOP SINK: GSW # SE2424FM 24"x24" STAINLESS STEEL UNIT , 18 GA. STAINLESS STEEL, CHICAGO FAUCET #897 WITH INTEGRAL STOPS IN SHANKS, WALL BRACE, HOSE THREADS, PAIL HOOK, VACUUM BREAKER, 1.0 GPM FLOW RESTRICTING AERATOR, ROUGH BRASS FINISH, THREE FOOT RUBBER HOSE, 3" TRAPPED AND VENTED WASTE CONNECTION, PROVIDE 3/4" HW & CW RI 8" OC, 36" A.F.F., PROVIDE 3/2" CW HOSE BIBB, ACORN #8121 W/ VACUUM BREAKER, 48" A.F.F. FOR CHEMICAL CONNECTION. | | | |
| P3 | TANKLESS GAS WATER HEATER SYSTEM, MFG: RINNAI TRX-02CU (2 CU/99), 398,000 BTU/Hr GAS INPUT, 7.6 GPM @ 100" RISE, SEE PIPING DIAGRAM ON SHEET P-400 INCLUDE ALL PIPING, VENTING, WALL MOUNTING BRACKET AND ANY ACCESSORIES NECESSARY TO COMPLETE SYSTEM INSTALL. PLUMBER SHALL REGISTER PRODUCT WITH RINNAI AT TIME OF INSTALLATION TO VALIDATE WARRANTY. CONTACT: RICO VIGLIETTI, RINNAI AMERICA CORPORATION CORPORATE ACCOUNTS MANAGER 901 440-7399 JVIGLIETTE@RINNAI.US | | | |
| CP | HW CIRC. PUMP - MFG: GRUNDFOS, UP 15-18B5, 1/25 HP, 115 VOLT, 2 GPM @ 7' HEAD OR APPROVED EQUIVALENT. | | | |
| RD | RD - ROOF DRAIN: J.R. SMITH #1010 CAST IRON ROOF DRAINS WITH FLASHING COLLAR AND CAST IRON DOME, FURNISH EXTENSION (SUFFIX-E) FOR INSULATED ROOFS, SUMP RECEIVER (SUFFIX-R) AND UNDER-DECK CLAMP (SUFFIX-C) FOR ALL BUT POURED-IN-PLACE INSTALLATIONS, OUTLET CONNECTION TYPE SHALL BE COMPATIBLE WITH PIPING SYSTEM, PLUMBER TO PROVIDE AND INSTALL HEAT TAPE, RADIANT SOLUTIONS #JHSF-30-1 ON BOTH DRAINS IN COLD CLIMATES. | | | |
| OD | OD - OVERFLOW ROOF DRAIN: J.R. SMITH #1070 WITH SAME FEATURES AS DESCRIBED FOR "ROOF DRAINS", STANDPIPES SHALL BE ADJUSTED AND SECURED SO THAT AFTER THE INSTALLATION OF THE DRAIN ASSEMBLY, THE TOP OF THE STANDPIPE SHALL BE (2") ABOVE THE ADJACENT ROOF SURFACE. | | | |
| 40B | FAUCET FOR CHEM. T&S BRASS MODEL #B-0669-POL, PROVIDED BY G.C. | | | |

| FIXTURE BRANCH SCHEDULE | | | | |
|----------------------------|------------|-----------|----------|--------|
| FIXTURE | COLD WATER | HOT WATER | WASTE | VENT |
| WATER CLOSET (HANDICAPPED) | 12" | -- | 4" | 2" |
| LAVATORY | 12" | 12" | 2" | 1 1/2" |
| 2 AND 3 - COMP SINK | 12" | 12" | 3" | 2" |
| HAND SINK | 12" | 12" | 2" | 1 1/2" |
| MOP SINK (U.S.) | 12" | 12" | 3" | 2" |
| EQUIPMENT | 12" | -- | -- | -- |
| FLOOR DRAIN/SINK | -- | -- | 2" OR 3" | 2" |

| KITCHEN EQUIPMENT SCHEDULE | | | | |
|--|---|--|--|--|
| ITEMS IN THIS SCHEDULE ARE FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE AND CONNECTED TO THE PLUMBING UTILITIES BY THE PLUMBING CONTRACTOR, WHO SHALL INSTALL ALL PLUMBING DEVICES FURNISHED WITH EQUIPMENT. | | | | |
| WASTE, FS = FLOOR SINK, CFD = CONDENSATE FLOOR DRAIN, VB = VACUUM BREAKER, FLEX = A SIX FOOT COILED LENGTH OF FOOD QUALITY FLEXIBLE REINFORCED PLASTIC TUBING CONNECTED FROM THE ROUGH IN TO THE EQUIPMENT WITH ALL REQUIRED ADAPTERS AND HOSE CLAMPS. | | | | |
| ALL PIPES MUST MAINTAIN A MINIMUM CLEARANCE OF 6" AFF AND MUST BE WELL SUPPORTED, NO FLOOR SUPPORTS ALLOWED. | | | | |
| 4A | SERVING COUNTER MOUNTED SODA MACHINE: IF PROVIDED, SODA MACHINE INSTALLER TO PROVIDE DRAIN LINES FROM ICE BIN AND SODA MACHINE TO FS WITH 1" AIR GAP, DRAIN LINE TO BE INSULATED, WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER. | | | |
| 4AB | BEVERAGE COUNTER MOUNTED SODA MACHINE WITH ICE MACHINE: PROVIDE 3/2" COPPER PIPE IW FROM COUNTER TROUGH DRAIN TO FS WITH 1" AIR GAP, INSULATE, WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER, NO LEGS TO BE INSTALLED, MACHINE TO SET DIRECTLY ON COUNTER. | | | |
| 4F | WATER FILTER: PROVIDE 3/2" CW AT 96" AFF WITH BV, PROVIDE FLEX AND REDUCED PRESSURE STAINLESS STEEL BACKFLOW PREVENTOR, OR OTHER DEVICE AS REQUIRED BY LOCAL CODE, INSTALL OWNER PROVIDED WATER FILTER AND MAKE CONNECTIONS TO BACKFLOW PREVENTOR AND WATER SUPPLY, PROVIDE ALL REQUIRED FITTINGS TO ALLOW SODA MACHINE INSTALLER TO HOOK UP BOOSTER PUMP TO WATER FILTER, REFER TO DETAIL 15/P-500. | | | |
| 6B | 22"D REAR COUNTER WITH HAND SINK, PROVIDE 3/2" CW AND 3/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, 1/2 TURN BALL VALVES, CONNECT TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP, MOUNTED CLEAN-OUT, ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED, NOT P.V.C. | | | |
| 9D | ICE TEA MAKER: PROVIDE 3/2" CW AT 24" A.F.F. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE TEA INSTALLER TO HOOK UP ONE BV, OTHER BV FOR OTHER EQUIPMENT. | | | |
| 10J | SODA MACHINE MOUNTED ICE MACHINE, PROVIDE 1/2" CW AT 24" A.F.F. WITH BV, PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE MACHINE INSTALLER TO HOOK UP ICE MACHINE TO CW. | | | |
| 20A | CHINESE RANGE: PROVIDE 3/2" CW AT 10" AFF WITH BV, PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS, PROVIDE 1/2" COPPER PIPE IW TO FS WITH 2" AIR GAP. | | | |
| 20B | PROVIDE 1" GAS SUPPLY DOWN TO 9" AFF REDUCE TO 3/2" AT EQUIPMENT CONNECTION WITH EASILY ACCESSIBLE SHUT-OFF VALVE, INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS. | | | |
| 20Q | CHINESE RANGE: PROVIDE 3/2" CW AT 10" AFF WITH BV, PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS, PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP, PROVIDE 1" GAS SUPPLY DOWN TO 9" AFF REDUCE TO 3/2" AT EQUIPMENT CONNECTION WITH EASILY ACCESSIBLE SHUT-OFF VALVE, INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS. | | | |
| 21B | FRYER: PROVIDE 1 1/2" GAS SUPPLY DOWN TO 14" AFF, THEN TRANSITION TO 1" WITH 90° ANGLE AND SHUT OFF VALVE, PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS WITH 90° ANGLE, SEE DETAIL ON P-500 | | | |
| 23E | GRIDDLE: PROVIDE 3/2" GAS SUPPLY DOWN TO 20" AFF, WITH EASILY ACCESSIBLE SHUT-OFF VALVE, PROVIDE ALL REQUIRED FITTINGS, CONNECT TO UNIT WITH OWNER SUPPLIED QUICK DISCONNECT (3/4"x48", (1) SWIVEL KIT) | | | |
| 25A | RICE COOKER: PROVIDE 3/2" GAS SUPPLY AT 30", AND 3/2" GAS SUPPLY AT 10" AFF WITH SHUT OFF VALVES, ONE FOR EACH UNIT, PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS. | | | |
| 31 | WALK-IN COOLER: PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH P TRAP AND 1" AIR GAP, MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OFF SUPPORTS. | | | |
| 32 | WALK-IN FREEZER: PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH P TRAP AND 1" AIR GAP, MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OFF SUPPORTS, PROVIDE HEAT TRACE REFER TO ELECTRICAL DRAWING. | | | |
| 40A | POT SINK: PROVIDE 3/2" CW AND 3/2" HW AT 14" AFF AND 8" OC WITH BVS & CV, CONNECT TO OWNER SUPPLIED FAUCET AND SPRAYER WITH COPPER PIPING, COORDINATE 1.0 GPM FLOW RESTRICTING AERATOR WITH OWNER PROVIDE 2" COPPER PIPE IW (MANIFOLD ALL COMPARTMENT DRAINS INTO ONE LINE) TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM, INSTALL OWNER SUPPLIED LEVER DRAIN STOPS, SEE DETAIL ON SHEET P-500. | | | |
| 40T | THAWING CABINET: 1-DOOR, STAINLESS STEEL GRIDS, 127GAL (670LT), 28 - 50°F FULLY PRESSED BOTTOM PLATE AND ROUNDED CORNERS, IT IS SUPPLIED WITH 15 AISI 304 GRIDS 21" AND THE RACK SUPPORT CAN BE REMOVED WITHOUT TOOLS, THE 3 FACTORY PRESET AND 1 FREE PROGRAMS, BUILT-IN REFRIGERATION UNIT WITH R134A GAS IN REFRIGERATION CIRCUIT, MEETS HACCP REQUIREMENTS, DELIVERED ON WHEELS | | | |
| 41B | SINGLE BOWL PREP SINK: PROVIDE 3/2" CW AND 3/2" HW AT 14" AFF, AND 8" OC WITH BVS, CONNECT TO OWNER SUPPLIED FAUCETS WITH COPPER PIPING, COORDINATE 1.0 GPM FLOW RESTRICTING AERATORS WITH OWNER, PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM, INSTALL OWNER SUPPLIED LEVER DRAIN STOPS. | | | |
| 41C | HAND SINK: PROVIDE 3/2" CW AND 3/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, 1/2 TURN BALL VALVES, CONNECT TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PIPING, PIPING, COORDINATE 0.5 GPM FLOW RESTRICTING AERATORS WITH OWNER, PROVIDE 2" DRAIN PIPE WITH P TRAP AND WALL MOUNTED CLEAN-OUT, ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED, NOT P.V.C. | | | |
| 45A | POT WASHER: PROVIDE 3/2" SOFT WATER AND 3/2" HW AT 14" AFF AND 8" OC WITH BV, PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED POT WASHER, PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP. | | | |
| 70D | WATER SOFTENER: PROVIDE 3/2" CW AT 14" AFF, ROUTE 3/2" SOFT WATER OUTLET TO POT WASHER INLET, PROVIDE 1" COPPER PIPE IW TO FS WITH 2" AIR GAP. | | | |
| 70D1 | | | | |

| PIPE MATERIAL SCHEDULE | | |
|---|--|---------------------------------|
| SERVICE | UNDERGROUND | ABOVE GROUND |
| COLD & HOT WATER | TYPE "K" OR "L" HARD DRAWN COPPER TUBE | PEX |
| SANITARY WASTE | *SCH. 40 PVC | *SCH. 40 PVC |
| SANITARY VENT | *SCH. 40 PVC | *SCH. 40 PVC |
| GAS | --- | BLACK STEEL, SCHEDULE 40 |
| INDIRECT DRAIN | --- | HARD DRAWN COPPER TUBE TYPE "M" |
| *SCH. 40 PVC IS PREFERRED IF APPROVED BY AUTHORITY HAVING JURISDICTION, PROVIDE SCHEDULE 40 PVC FOR ALL WASTE VENT PIPING & FITTINGS. | | |

| PLUMBING KEY NOTES | | | | | | |
|--|---|-----------------|----------------|-------------|----------------|-------|
| 1. | SODA CONDUIT: PROVIDE 6" PVC CONDUIT BELOW FLOOR FROM THE SIDE OF SODA STORAGE RACK TO SODA DISPENSER PER DETAIL #4 ON SHEET P-500. | | | | | |
| 2. | CONDENSATE: ROUTE SHARED CONDENSATE LINE THROUGH WALK-IN COOLER, DO NOT RUN THROUGH WALK-IN FREEZER, PROVIDE 1" INSULATED CONDENSATE DRAIN PIPE FROM THE EVAPORATIVE COIL, DISCHARGE TO FLOOR SINK OR MOP SINK WITH AIR GAP OF TWICE PIPE DIAMETER, INSTALL AT MINIMUM 76" HEIGHT A.F.F. REFER TO DETAIL #2 ON SHEET P-500. | | | | | |
| 3. | PROVIDE TRAP PRIMER FOR FLOOR SINK, SEE DETAIL 17/P-500. | | | | | |
| 4. | RDL & ODL LINES DN. IN WALL, TERMINATE ODL THRU WALL AS CLOSE TO BOTTOM PLATE AS POSSIBLE, EXTEND 1/2" PAST EFIS, WATER PROOF SEAL ALL AROUND, TERMINATE RDL & ODL WITH 4" PVC LAMB'S TONGUE NOZZLE, COLOR ANTIQUE BRONZE, ARKMANN MODEL #PDN-4, (IF AVAILABLE TIE RD TO STORM SEWER UNDERGROUND) | | | | | |
| 5. | COMBINATION WASTE/VENT | | | | | |
| 6. | LAV. TAILPIECE WITH TRAP PRIMER, RUN 3/2" CW BELOW FLOOR TO FLOOR DRAIN, SEE DETAIL #9 ON PLAN P-500. | | | | | |
| 7. | (AAV) STUDOR MINI-VENT AIR ADMITTANCE VALVE- INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. | | | | | |
| 8. | WYE WITH CLEANOUT ON TOP. | | | | | |
| FIXTURE UNIT SCHEDULE | | | | | | |
| ITEM | FIXTURE | QTY | WATER FU | | SEWER FU | |
| | | | EACH | TOTAL | EACH | TOTAL |
| A | WATER CLOSET | 2 | 5 | 10 | 4 | 8 |
| B | LAVATORY | 2 | 2 | 4 | 1 | 2 |
| D D1 | FLOOR DRAIN 3" TRAP | 6 | — | — | 5 | 30 |
| E E1 | FLOOR SINK 3" TRAP | 9 | — | — | 5 | 45 |
| P1 | MOP SINK | 1 | 3 | 3 | 2 | 2 |
| G | FLOOR DRAIN W/ FUNNEL 2" TRAP | 2 | — | — | 3 | 6 |
| L L1 | HOSE BIBB | 3 | 4 | 12 | — | — |
| M M1 | TRENCH DRAIN 3" TRAP | 2 | — | — | 5 | 10 |
| 4F | FILTER SYSTEM | 1 | 1 | 1 | FS | — |
| 9D | ICE TEA BREWER | 2 | 1 | 2 | FS | — |
| 10J | 400 LB ICE MACHINE | 2 | 1 | 2 | FS | — |
| 20A | CHINESE RANGE | 1 | 2 | 2 | FS | — |
| 20Q | CHINESE RANGE | 2 | 2 | 4 | FS | — |
| 40A | POT SINK (3 COMP.) | 1 | 4 | 4 | FS | — |
| 41B 41C | PREP. SINK (1 COMP.) | 2 | 4 | 8 | FS | — |
| 45A 6B | HAND SINK (WALL MOUNT) | 3 | 2 | 6 | 1 | 3 |
| 40T | THAWING CABINET | 1 | - | - | FS | — |
| 70D | POT WASHER | 1 | 4 | 4 | FS | — |
| TOTAL | | | 62 | | 106 | |
| FIXTURE UNIT SUMMARY | | | | | | |
| SERVICE | | | TOTAL F.U. | | | |
| DOMESTIC WATER | | | 62 | | | |
| SANITARY SEWER | | | 106 | | | |
| SERVICE REQUIREMENTS | | | | | | |
| SERVICE | | SIZE MAIN | | CAPACITY | | |
| DOMESTIC WATER | | 1-1/2 INCH | | 33 GPM | | |
| SANITARY SEWER | | 4 INCH | | 106 F.U. | | |
| FUEL GAS | | 3 INCH | | 2,488 CFH | | |
| WATER PIPE SIZING CHART (COLD WATER) | | | | | | |
| PIPE SIZE | GPM | VELOCITY FT/SEC | FIXTURE UNITS | | F - VALVE | |
| | | | F - TANK | | | |
| 1/2" | 2.5 | 3.5 | 2 F.U. @ psi | 6.0 | F.U. @ psi | |
| 3/4" | 6.6 | 4.4 | 8 F.U. @ psi | | F.U. @ psi | |
| 1" | 13.4 | 5.2 | 19 F.U. @ psi | | F.U. @ psi | |
| 1-1/4" | 23.3 | 5.9 | 37 F.U. @ psi | | 6 F.U. @ psi | |
| 1-1/2" | 36.7 | 6.6 | 74 F.U. @ psi | | 23 F.U. @ psi | |
| 2" | 76.4 | 7.9 | 254 F.U. @ psi | ▼ | 132 F.U. @ psi | |
| DOMESTIC WATER BACKFLOW PREVENTER MODEL: "WILKINS"975XL SIZE 1-1/2" | | | | | | |
| PRESSURE REGULATING VALVE MODEL: N/A, SIZE N/A | | | | | | |
| WATER PIPE SIZING CHART (HOT WATER) | | | | | | |
| PIPE SIZE | GPM | VELOCITY FT/SEC | FIXTURE UNITS | | F - VALVE | |
| | | | F - TANK | | | |
| 1/2" | 2.5 | 3.5 | 2 F.U. @ psi | | F.U. @ psi | |
| 3/4" | 6.6 | 4.4 | 8 F.U. @ psi | | F.U. @ psi | |
| 1" | 13.2 | 5.0 | 19 F.U. @ psi | | F.U. @ psi | |
| 1-1/4" | 19.0 | 5.0 | 37 F.U. @ psi | | 6 F.U. @ psi | |
| GREASE INTERCEPTOR CALCULATION | | | | | | |
| FIXTURE | | QTY. | FU | FU TOTAL | | |
| FLOOR DRAIN/FLOOR SINK 3" TRAP | | 8 | 5 | 40 | | |
| TRENCH DRAIN 3" TRAP | | 2 | 5 | 10 | | |
| MOP SINK | | 1 | 2 | 2 | | |
| TOTAL | | | | 52 (26 GPM) | | |
| FIXTURE UNIT VALUE BASED ON NPCC, SECTION 709 | | | | | | |
| FLOW THROUGH TYPE GREASE INTERCEPTOR MINIMUM SIZE WILL BE 50 POUND GREASE CAPACITY PER IPC, TABLE 1003.34.1. | | | | | | |
| GRAVITY TYPE GREASE INTERCEPTOR SIZE BASED ON 26 GPM WITH 30 MINUTE RETENTION TIME (26*30=720) TO BE SIZED AT 1500 GALLONS DUE TO LOCAL REGULATIONS. | | | | | | |

| Tankless Water Heater Sizing Calculator | | | |
|---|-------------------------------|-----------------|----------------|
| Developed by the Plan Review Unit of the Environmental Health Section NC Division of Public Health | | | |
| Enter the quantity of each piece of equipment listed below. For other equipment enter the description and gallon per minute (GPM) value. Find determinative GPM on the "Dishwashing Space" sheet below or on the manufacturer's spec sheet. | | | |
| Establishment Name: | Panda Express | | |
| Address: | 2406 N Main St, High Point NC | | |
| Equipment | Quantity | | GPM Calculated |
| Handwashing sink | 5 | 5 GPM each | 2.5 |
| Wetwashing sink | 0 | 2 GPM each | 0 |
| Prep sink | 2 | 1 GPM each | 1 |
| Service sink | 1 | 1 GPM value | 1 |
| Other equipment | Description | | |
| Other equipment | POT SINK | 1 | 1 |
| Other equipment | | | 0 |
| Other equipment | Dishmachine Model | Dishmachine GPM | 0 |
| Hobart | PW110sef | | 0.6 |
| Pre-rinse Quantity | 0 | 2 GPM each | 0 |
| Total Gallons per Minute (GPM) Needed: | | | 7.1 |

