

Order Plans @

ARCHIVE'S INFO

KITCHEN GENERAL NOTES:

- REFERENCE KITCHEN EQUIPMENT DRAWINGS FOR ITEMS TO BE FURNISHED AND/OR INSTALLED AND PROVIDE ITEMS AND WORK AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS FOR KITCHEN EQUIPMENT. REFERENCE THE KITCHEN EQUIPMENT DRAWINGS FOR REQUIRED ROUGH-IN AND FINAL CONNECTIONS FOR KITCHEN EQUIPMENT. REFERENCE THE KITCHEN EQUIPMENT SHOP DRAWINGS PRIOR TO THE START OF INSTALLATION FOR ADDITIONAL REQUIREMENTS.
- PROVIDE ITEMS AND WORK AS REQUIRED FOR A COMPLETE AND WORKING PLUMBING INSTALLATION FOR EACH PIECE OF KITCHEN EQUIPMENT. PROVIDE ROUGH-INS AND CONNECT TO THE KITCHEN EQUIPMENT WITH TRAPS, SUPPLIES, SHUTOFF VALVES, PIPES TO THE WALL, ESCUTCHEONS, ETC. AS SHOWN, SPECIFIED AND REQUIRED.
- WHERE "L" OR "R" IS CALLED FOR, PROVIDE A FOUR FOOT COILED LENGTH OF TYPE "K" SOFT COPPER TUBING FROM WATER SHUT-OFF VALVE TO THE EQUIPMENT CONNECTION OF SAME SIZE AS CONNECTION TO KITCHEN EQUIPMENT WITH 1/4" BENDS MINIMUM SIZE. PROVIDE CONNECTIONS AND ADAPTERS AS REQUIRED.
- VERIFY GAS LOADS AND GAS ROUGH-IN FOR KITCHEN EQUIPMENT WITH THE KITCHEN EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLING GAS PIPING. PROVIDE GAS COCKS, UNIONS, ETC. AS SPECIFIED AND REQUIRED. INSTALL GAS QUICK DISCONNECTS WHERE FURNISHED WITH THE KITCHEN EQUIPMENT.
- PROVIDE INDIRECT WASTE LINES OF SAME SIZE AS CONNECTION TO EQUIPMENT WITH 3/4" BENDS MINIMUM SIZE. ROUTE FROM EQUIPMENT CONNECTION POINTS TO FLOOR DRAIN OR FLOOR SINK. PROVIDE AIR GAP OF TWO PIPE DIAMETERS MINIMUM PER CODE.
- COMPLY WITH HEALTH DEPARTMENT REGULATIONS. PROVIDE CLEARANCE FOR CLEANING BEHIND AND UNDER EXPOSED PIPING AS REQUIRED BY HEALTH DEPARTMENT. CONFORM TO HEALTH DEPARTMENT REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS.
- DO NOT INSTALL PLUMBING ROOF PENETRATIONS THROUGH GREASE FILTER PANS ON THE ROOF. REFER TO MECHANICAL DRAWINGS PRIOR TO START OF INSTALLATION.
- PROVIDE AIRTIGHT SEAL AROUND PIPING PENETRATIONS THROUGH WALK-IN COOLER OR FREEZER WALLS OR CEILING.
- DO NOT INSTALL PIPING IN COOLER OR FREEZER WALLS. INSTALL EXPOSED PIPING IN A NEAT APPEARING MANNER.
- COORDINATE FLOOR DRAIN LOCATION AND FLOOR SLOPE. REQUIREMENTS WITH THE ARCHITECT.
- INSTALL REM. OF FLOOR DRAINS AND FLOOR SINKS BELOW FINISHED FLOOR LEVEL. SLOPE FLOOR TO DRAINS.
- COORDINATE LOCATION OF VENT, WATER AND GAS PIPING TO AVOID CONFLICT WITH OTHER TRADES.
- CLEAN INSTALLED PLUMBING FIXTURES AND EQUIPMENT.
- PROVIDE WALL BACKING OR SPECIFIED CARRIERS FOR THE PROPER SUPPORT OF INSTALLED WALL HUNG FIXTURES AND EQUIPMENT.
- SEAL AROUND INSTALLED FIXTURES AND KITCHEN EQUIPMENT WITH CAULK.
- PROVIDE APPROPRIATE BACKFLOW PREVENTION DEVICES FOR KITCHEN EQUIPMENT REQUIRING THEM PER LOCAL AUTHORITIES REQUIREMENTS. INSTALL BACKFLOW PREVENTION DEVICES FURNISHED WITH KITCHEN EQUIPMENT.
- PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR 4-COMPARTMENT BAR SINK DOWNSTREAM OF SHUTOFF VALVES.

GENERAL DEMOLITION NOTES:

- PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH THE OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO EQUIPMENT, FIXTURES AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
- REMOVE ITEMS SHOWN HEAVY LINED AND/OR CROSS-HATCHED AND/OR NOTED TO BE REMOVED.
- AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN FOR NEW INSTALLATION. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.
- SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, CEILING AND ROOFS WHERE PLUMBING COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR SURFACES TO MATCH ADJACENT AREAS.
- INSTALL PERMANENT CAPS WHERE PIPING IS REMOVED AND THE EXISTING TAPS ARE NOT USED FOR THE NEW INSTALLATION. INSTALL TEMPORARY CAPS WHERE PIPING IS REMOVED AND THE EXISTING TAPS WILL BE USED FOR THE NEW INSTALLATION TO PROTECT THE INTERIOR SURFACES UNTIL NEW PIPING IS INSTALLED.
- REMOVE PIPE HANGERS, PIPE SUPPORTS AND EQUIPMENT SUPPORTS WHERE PIPING OR EQUIPMENT IS REMOVED AND THE EXISTING HANGERS AND SUPPORTS ARE NOT USED FOR THE NEW INSTALLATION.
- VERIFY THAT EXISTING EQUIPMENT TO REMAIN IS OPERATING PROPERLY. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DAMAGED AND/OR MALFUNCTIONING COMPONENTS.
- WHERE SHUTDOWN OF EXISTING ACTIVE PIPING SYSTEMS IS REQUIRED DURING DEMOLITION PHASE OF WORK IN PREPARATION FOR NEW TIE-IN PHASE OF WORK, COORDINATE WITH THE OWNER AND MINIMIZE DOWNTIME. VERIFY EXISTING SYSTEMS, EQUIPMENT, AND COMPONENTS WILL BE PROVIDED WITH BACKUP SERVICE WHERE REQUIRED. NOTIFY OWNER A MINIMUM OF SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.

GENERAL NEW NOTES:

- PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS. REFER TO SPECIFICATIONS.
- DRAWINGS ARE DIAGNOSTIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE TO OBSERVE THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS.
- INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND ALSO MEET ALL REQUIREMENTS OF THE LANDLORD. OBTAIN A COPY OF THE LANDLORD'S REQUIREMENTS AND REVIEW PRIOR TO SUBMITTING BID.
- PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- VERIFY LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
- INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE. INSTALL EXPOSED PIPING TIGHT TO THE STRUCTURE, WALL, CEILING AND AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED, EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
- INSTALL NO PLASTIC PIPE OF ANY KIND ABOVE SLAB INSIDE THE BUILDING. INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLUMBING.
- COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- COORDINATE PIPING INSTALLATION WITH STRUCTURAL, GRADE BEAMS, FOOTINGS, COLUMN PIERCEMENT, PIPE PIPING THROUGH GRADE BEAMS, FOOTINGS, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE BELIEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING WATER.
- PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
- PAINT ALL EXPOSED GAS AND WATER PIPING USING THE FINISH PAINT. FINISH PAINT AND COLOR SHALL BE COORDINATED WITH THE ARCHITECT AND/OR OWNER.
- COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10" MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2" CLEARANCE FROM OTHER EQUIPMENT.
- PROVIDE "HEAVY DUTY" NON-FRIBRILLATING SANITARY PIPING. REFER TO DIVISION 22 FOR MORE INFORMATION.
- PROVIDE TRANSITION AND CONNECTIONS FOR SANITARY PIPING TO EXISTING IRON SANITARY WASTE AND VENT PIPE AT SLAB ON GROUND. SEE DIVISION 22 FOR MORE INFORMATION.
- WATER AND GAS LINES SHALL BE SIZE "X" UNLESS OTHERWISE NOTED.
- PLUMBING FIXTURES SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR HEIGHT OF MECHANICAL EQUIPMENT. PROVIDE TRAP PRIMERS WHERE NECESSARY. CONDENSATE TO ENGINEER. ROUTING INDICATED HAS SUFFICIENT ELEVATION FOR CONDENSATE DRAIN PIPING.
- FOR TO CUTTING AND FINISHING TO SLAB, CONTRACTOR SHALL X-RAY SLAB TO VERIFY EXISTING UTILITIES WITH AND AROUND EXISTING ELEMENTS AS REQUIRED.

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
HAND SINK	3/4"	3/4"	2"	2"
FLOOR DRAIN	N/A	N/A	3"	2"
FLOOR SINK	N/A	N/A	3"	2"
SODA POLYBUTYLENE	1/2"	N/A	INDIRECT	INDIRECT
ICE MACHINE	1/2"	N/A	INDIRECT	INDIRECT
BLENDER SINK	3/4"	3/4"	INDIRECT	INDIRECT
4-COMPARTMENT BAR SINK	3/4"	3/4"	INDIRECT	INDIRECT

NOTE: PIPE SIZES SHOWN ARE MINIMUM

MARK	MANUFACTURER	MODEL	TANK SIZE (GALLONS)	MAX ACCEPTABLE VOLUME (GALLONS)	SERVICE	NOTES
ET	AMTROL	ST-52	4.4	3.2	EXISTING WATER HEATER	A

NOTES:
A CHARGE TANK WITH AIR TO IDENTICAL PRESSURE AS STATIC DOMESTIC WATER PRESSURE.

LOW PRESSURE GAS PIPE SIZING CHART

PIPE SIZE	LOAD (CFH)
1/2"	27
3/4"	57
1"	108
1-1/4"	221
1-1/2"	313
2"	538
2-1/2"	1,017
3"	1,728
4"	3,667
6"	10,403

OPERATING PRESSURE OF P.W.C. WITH A PRESSURE DROP OF 0.5 W.C. TO TOTAL DEVELOPED LENGTH = 305 FEET TO TOTAL CONNECTED LOAD = 3,256 CFH BASED ON NFPA 54 EQUATION 4-1

PLUMBING SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS MAY BE USED

<p>PLUMBING PLAN NOTE CALL OUT</p> <p>PLUMBING EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES</p> <p>EQUIPMENT DESIGNATION DOWNER FURNISHED, CONTRACTOR INSTALLED</p> <p>MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)</p> <p>DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER</p> <p>SECTION CUT DESIGNATION</p> <p>STANDARD MOUNTING HEIGHTS</p> <p>REFER TO THE ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHTS. INSTALL PLUMBING FIXTURES WITH THE MOUNTING HEIGHTS AS LISTED BELOW WITH FINAL APPROVAL BY THE ARCHITECT</p> <p>VERIFY THAT EXISTING EQUIPMENT TO REMAIN IS OPERATING PROPERLY. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DAMAGED AND/OR MALFUNCTIONING COMPONENTS</p> <p>WHERE SHUTDOWN OF EXISTING ACTIVE PIPING SYSTEMS IS REQUIRED DURING DEMOLITION PHASE OF WORK IN PREPARATION FOR NEW TIE-IN PHASE OF WORK, COORDINATE WITH THE OWNER AND MINIMIZE DOWNTIME. VERIFY EXISTING SYSTEMS, EQUIPMENT, AND COMPONENTS WILL BE PROVIDED WITH BACKUP SERVICE WHERE REQUIRED. NOTIFY OWNER A MINIMUM OF SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE</p> <p>PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS</p> <p>INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND ALSO MEET ALL REQUIREMENTS OF THE LANDLORD. OBTAIN A COPY OF THE LANDLORD'S REQUIREMENTS AND REVIEW PRIOR TO SUBMITTING BID</p> <p>PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS</p> <p>VERIFY LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION</p> <p>REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES</p> <p>DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING</p> <p>INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE. INSTALL EXPOSED PIPING TIGHT TO THE STRUCTURE, WALL, CEILING AND AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS</p> <p>VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED</p> <p>PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED, EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS</p> <p>INSTALL NO PLASTIC PIPE OF ANY KIND ABOVE SLAB INSIDE THE BUILDING. INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLUMBING</p> <p>COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS</p> <p>COORDINATE PIPING INSTALLATION WITH STRUCTURAL, GRADE BEAMS, FOOTINGS, COLUMN PIERCEMENT, PIPE PIPING THROUGH GRADE BEAMS, FOOTINGS, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE BELIEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED</p> <p>CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING WATER</p> <p>PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES</p> <p>COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS</p> <p>PAINT ALL EXPOSED GAS AND WATER PIPING USING THE FINISH PAINT. FINISH PAINT AND COLOR SHALL BE COORDINATED WITH THE ARCHITECT AND/OR OWNER</p> <p>COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10" MINIMUM CLEARANCE FROM ALL AIR INTAKES. 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ROUTING INDICATED HAS SUFFICIENT ELEVATION FOR CONDENSATE DRAIN PIPING</p> <p>FOR TO CUTTING AND FINISHING TO SLAB, CONTRACTOR SHALL X-RAY SLAB TO VERIFY EXISTING UTILITIES WITH AND AROUND EXISTING ELEMENTS AS REQUIRED</p>	<p>—CW— DOMESTIC COLD WATER (CW)</p> <p>—SCW— SOFTENED COLD WATER (SCW)</p> <p>—HW— DOMESTIC HOT WATER (HW)</p> <p>—HWH— DOMESTIC HOT WATER HEATING (HWH)</p> <p>—T— TRAP PRIMER LINE (T)</p> <p>—S— SOIL PIPING - ABOVE FLOOR (S)</p> <p>—BS— SOIL PIPING - BELOW FLOOR (S)</p> <p>—W— WASTE PIPING - ABOVE FLOOR (W)</p> <p>—BW— WASTE PIPING - BELOW FLOOR (W)</p> <p>—GW— GREASE WASTE - ABOVE FLOOR (GW)</p> <p>—CGW— GREASE WASTE - BELOW FLOOR (GW)</p> <p>—COW— COMBINATION GREASE WASTE AND VENT (COW)</p> <p>—CWV— VENT (COW)</p> <p>—ST— STORM DRAIN - ABOVE FLOOR (ST)</p> <p>—BST— STORM DRAIN - BELOW FLOOR (ST)</p> <p>—OST— OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)</p> <p>—VBF— VENT BELOW FLOOR (VBF)</p> <p>—D— INDIRECT DRAIN (D)</p> <p>—CDH— CONDENSATE DRAIN - HIGH EFFICIENCY (CDH)</p> <p>—CCD— CONDENSATE DRAIN (CCD)</p> <p>—ACD— AUXILIARY CONDENSATE DRAIN (ACD)</p> <p>—SPD— SLUMP OR SWAGE PUMP DISCHARGE (SPD)</p> <p>—G— NATURAL GAS (G)</p> <p>—MFG— MEDIUM PRESSURE NATURAL GAS (MFG)</p> <p>—NFW— NON POTABLE WATER (NFW)</p> <p>—LPG— LIQUIFIED PETROLEUM GAS (LPG)</p> <p>—WS— WATER SERVICE (WS)</p> <p>—FPI— FIRE PROTECTION (FPI)</p> <p>—PD— CONDENSATE PUMP DISCHARGE (PD)</p> <p>—ETR— EXISTING PIPING (REMAINETER)</p> <p>—V— VENT PIPING</p> <p>FLOOR SINK (FS), SIZE & TYPE</p> <p>FLOOR DRAIN (FD), SIZE & TYPE</p> <p>ROOF DRAIN (RD), SIZE & TYPE</p> <p>BALL VALVE</p> <p>CONTROL VALVE</p> <p>SHUTOFF VALVE</p> <p>CHECK VALVE</p> <p>BALANCING VALVE WITH PRESSURE PORTS</p> <p>WATER METER</p> <p>STRAINER</p> <p>STRAINER WITH BLOWOFF</p> <p>RELIEF/AIR VALVE</p> <p>SOLENOID VALVE</p> <p>PRESSURE REDUCING VALVE</p> <p>GAS PRESSURE REGULATOR</p> <p>THERMOSTATIC MIXING VALVE</p> <p>BACKFLOW PREVENTER</p> <p>PRESSURE GAUGE</p> <p>THERMOMETER</p> <p>UNION</p> <p>FLANGE CONNECTION</p> <p>HOSE BIBS (HB)</p> <p>NON-FREEZE WATER (NFW)</p> <p>PRESSURE SWITCH</p> <p>PRESSURE TAP</p> <p>WALL CUTOUT (WC)</p> <p>FLOOR CUTOUT (FCO)</p> <p>EXTERIOR CUTOUT (ECO)</p> <p>ROOF DOWN</p> <p>ROOF UP</p> <p>ELBOW UP WITH SHUT-OFF VALVE (BOV)</p> <p>ELBOW DOWN WITH SHUT-OFF VALVE (BOD)</p> <p>TEE UP WITH SHUT-OFF VALVE (BOV)</p> <p>TEE DOWN WITH SHUT-OFF VALVE (BOD)</p> <p>WATER HAMMER ARRESTER (WHA) WITH PD-SIZES (A, B, C, D, E)</p> <p>RECIRCULATION PUMP</p> <p>P-TRAP</p> <p>GAS COCK</p> <p>TRAP PRIMER</p>
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PLUMBING FIXTURE SCHEDULE

FIXTURES IN THE SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

PLUMBING PLAN MARK	Description
FD	FLOOR DRAIN - JAY R SMITH #2035 (1/2" x 1/2") CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 8" SQUARE NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER PORT. TRAP PRIMER BE PROVIDED ON THE DRAWINGS. USE PUSH ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.
FS	FLOOR SINK - JAY R SMITH #1000-POSS-L (1/2") 8" DEEP CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR, ANCHOR FLANGE WITH SPRING HOLES, CLAMP COLLAR, ALUMINUM BOTTOM STRAINER, AND 8" SQUARE NICKEL BRONZE RM AND HALF GRATE. USE PUSH ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER WATTS # 303000-1. MEET THE ASSE 1015.3 IS 1/2" x 1/2" STEEL BODY. QUARTER TURN TEST COCKS, QUARTER TURN FULL PORT BALL VALVES, STAINLESS STEEL STRAINER AND #3030 AIR GAP FITTING.
TMV	THERMOSTATIC MIXING VALVE - POWERS #LF640. SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS AND INTERNAL CHECKS, ASSE 1015 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 2.0 GPM. SET TEMPERATURE TO 110°F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100°F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 105°F FOR SINKS MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLANS.
TP	TRAP PRIMER - MFA# #500. CORROSION RESISTANT BRASS BODY, 10" RING SEALS, 1/2" INLET AND OUTLET, AND INTERNAL VACUUM BREAKER. INSTALL THE VALVE AT A MINIMUM OF 1" ABOVE FINISHED FLOOR FINISH WITH DISTRIBUTION CONNECTIONS AS REQUIRED FOR FIELD CONDITIONS (UNITS CAN SERVE 6 OR 10 FLOOR DRAINS).
WCO	WALL CLEANOUT - JAY R SMITH #4335. CAST IRON CLEANOUT TEE, COUNTERSINK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND NON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION.
WHA	WATER HAMMER ARRESTER - PRECISION PLUMBING PRODUCTS. HARD DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS. RUBBER TYPE WITH LUBRICATED EPDM O-RINGS SEALS. MEETING ASSE 1015.3 IS 1/2" x 1/2" STEEL. PROVIDE PD-SIZES "A" THROUGH "E" ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE PLANS.

TOTAL NEW GAS LOAD

EQUIPMENT DESIGNATION	DESCRIPTION	CFH
5	FRYER	122
5	FRYER	122
6	COUNTERTOP GRIDDLE	108
8	COUNTERTOP HOT PLATE	60
TOTAL =		524
MECHANICAL EQUIPMENT		
EQUIPMENT DESIGNATION	DESCRIPTION	CFH
MAU-1	MAKE UP AIR UNIT	136
TOTAL =		136
TOTAL NEW GAS LOAD =		660
LOW PRESSURE NATURAL GAS SYSTEM OPERATING PRESSURE		7 INCHES W.C.
LOW PRESSURE NATURAL GAS SYSTEM SIZED WITH TOTAL DEVELOPED LENGTH FROM KITCHEN GAS PRESSURE REGULATOR TO MOST REMOTE PIECE OF KITCHEN EQUIPMENT		300 FEET
SYSTEM DESIGN PRESSURE (DMP)		0.5 INCHES W.C.

NOTE: EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS & SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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Issue Drawing Log

DATE	ISSUE FOR PERMIT
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Seal

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Sheet Identification
PLUMBING LEGEND, NOTES, & SCHEDULES

P-000