

1 PLUMBING WATER AND GAS PIPING PLAN  
 P1.02 SCALE: 1/4" = 1'-0"

KEY NOTES:

- ① (4) 1/2" FCW, WITH SHUT-OFF VALVE STUBBED OUT FOR CONTINUATION TO SLUSH BAG IN BOX BY SYRUP VENDOR.
- ② 1/2" CW, WITH SHUT-OFF VALVE STUBBED OUT FOR CONTINUATION BY SYRUP VENDOR.
- ③ WATER FILTER - REFER TO DETAIL 5/P1.02 FOR ADDITIONAL INFORMATION.
- ④ FCW LINES TO ICE MACHINE ROUTED IN WALL. PROVIDE S.S. ESCUTCHEON AT PENETRATIONS.
- ⑤ SYRUP LINES FURNISHED AND INSTALLED BY COCA-COLA - REFER TO SHEET K1.01.
- ⑥ EXTEND 1/4" FILTERED WATER TO STEAMER. PROVIDE WALL STOP @ 12" A.F.F.
- ⑦ EXTEND 1/4" FILTERED WATER TO COFFEE MAKER/TEA TOWER. PROVIDE WALL STOP @ 48" A.F.F.
- ⑧ 1/2" CW & HW DOWN WALL TO HAND SINK OR LAV. BELOW.
- ⑨ PROVIDE THERMOSTATIC MIXING VALVE IF NOT EXISTING. WATTS MODEL # LFUSG-BOR EQUAL WITH ASSE 1470 LISTING.
- ⑩ 1/2" CW DOWN TO WC-1 BELOW.
- ⑪ SYRUP LINES THROUGH STAINLESS STEEL CHASE PROVIDED WITH EQUIPMENT.
- ⑫ 1/2" CW & HW DOWN IN WALL TO 3" COMP SINK.
- ⑬ EXISTING WATER SERVICE TO REMAIN, INCLUDING PRV, AND IRRIGATION SYSTEM. SERVICE PRV AND ANY PIPING AND VALVES TO ENSURE PROPER WORKING ORDER AND REPAIR ANY LEAKS. VERIFY REQUIREMENTS IN FIELD.
- ⑭ CONNECT NEW CW PIPING TO EXISTING 1-1/2" CW SERVICE ABOVE CEILING.
- ⑮ EXTEND NEW CW & HW PIPING OF SIZE SHOWN (SEE RISER DIAGRAM ON P2.01 FOR SIZES) AND CONNECT TO EXISTING PIPING IN WALL SERVING FIXTURE INDICATED. VERIFY ROUTING, SIZE, AND CONNECTION LOCATION IN FIELD.
- ⑯ EXISTING GAS SERVICE UP ALONG WALL TO REMAIN. REMOVE ALL UNUSED GAS PIPING BACK TO MAIN AND CAP. REQUIREMENTS IN FIELD.
- ⑰ GAS SUPPLY LINE TO FRYER - FLEXIBLE GAS HOSE PROVIDED WITH EQUIPMENT, INSTALLED BY CONTRACTOR.
- ⑱ GAS SUPPLY LINE TO CHIDDLE - FLEXIBLE GAS HOSE PROVIDED WITH EQUIPMENT, INSTALLED BY CONTRACTOR.
- ⑲ SHUT-OFF VALVE FURNISHED WITH HOOD PACKAGE - INSTALLED BY CONTRACTOR. LOCAL VALVE ABOVE OR BELOW CEILING. REQUIRED PER LOCAL CODES, AND INSURE THE VALVE INTERLOCKED WITH HOOD FIRE SUPPRESSION SYSTEM. COORDINATE SIZE OF VALVE AND INSTALLATION/CONNECTION TO FIRE SUPPRESSION SYSTEM WITH HOOD SUPPLIER.
- ⑳ EXISTING WALL HYDRANT TO REMAIN. SERVICE OR REPLACE AS REQUIRED FOR PROPER OPERATION, INCLUDING OPERATION OF BACKFLOW PREVENTER. VERIFY REQUIREMENTS IN FIELD.
- ㉑ NEW WALL HYDRANT - COORDINATE LOCATION IN FIELD WITH OWNER.
- ㉒ WATER HEATER TO BE REPLACED WITH NEW IN EXISTING LOCATION. EXTEND EXISTING GAS PIPING AND CONNECT TO NEW WATER HEATER.
- ㉓ 1" CW DOWN TO UR-1 BELOW.
- ㉔ COORDINATE ACCESS PANEL IN GYP CEILING FOR SHUT-OFF VALVE WITH GENERAL CONTRACTOR.

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MATERIAL SCHEDULE

- A. ABOVE GROUND WATER PIPE: PEX PIPING ACCEPTABLE IF ALLOWED BY AUTHORITY HAVING JURISDICTION. OTHERWISE, TYPE 'L' HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS AND "NO-LEAD" SOLDER.
- B. BELOW GROUND WATER PIPE: PEX PIPING ACCEPTABLE IF ALLOWED BY AUTHORITY HAVING JURISDICTION. PEX PIPING JOINTS ARE NOT ALLOWED BELOW SLAB. OTHERWISE, TYPE 'K' COPPER WITH WROUGHT COPPER FITTINGS AND "NO-LEAD" SOLDER. JOINTS ONLY PERMITTED BELOW SLAB IF SILVER SOLDER IS USED IN THE JOINT. PROTECT FITTING AND COPPER PIPING FROM CONTACT WITH CONCRETE.
- C. ALL WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL INSULATION WITH SELF CLOSING ADHESIVE STRIP HAVING AN R-VALUE OF 4.0.
- D. SEWER AND VENT PIPE: PVC SCHEDULE 40 DWV PIPING IS ACCEPTABLE IF ALLOWED BY AUTHORITY HAVING JURISDICTION. OTHERWISE, BELOW AND ABOVE GRADE INSIDE BUILDING - SERVICE WEIGHT (HUBLESS) CAST IRON SOIL PIPE AND STAINLESS STEEL NO HUB COUPLINGS.
- E. INDOOR CONDENSATE DRAIN PIPE: TYPE 'M' COPPER WITH "NO-LEAD" SOLDER. INSULATE INTERIOR CONDENSATE PIPE WITH 1/2" ARMAFLEX PIPE INSULATION OR EQUIVALENT.
- F. SUPPORT PIPING WITH CLEVIS OR SPLIT RING TYPE PIPE HANGERS 3/8" ALL THREAD ROD AND BEAM CLAMPS PER CODE REQUIREMENTS. "PLUMBERS TAPE" AND/OR WIRE ARE NOT PERMITTED.
- G. GAS PIPE: SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS.
- H. INDIRECT DRAIN PIPE: PVC PIPING IS ACCEPTABLE IF ALLOWED BY AUTHORITY HAVING JURISDICTION. OTHERWISE, TYPE 'M' COPPER WITH "NO-LEAD" SOLDER.

PLUMBING FIXTURE SCHEDULE (FURNISHED AND INSTALLED BY CONTRACTOR)

MARK	TYPE	MANUFACTURE AND MODEL NUMBER	W	V	CW	HW	REMARKS
WC-1	WATER CLOSET	AMERICAN STANDARD CADET FLOWISE MODEL: 2467.100 ALTERNATES: KOHLER K-3999	4"	2"	1/2"	-	PROVIDE WITH BOLT CAPS, AND WHITE, OPEN-FRONT BENEKE SEAT. ADA 1.1 GPF
LAV-1	WALL HUNG LAVATORY	AMERICAN STANDARD LUCERNE MODEL: 0355.012 ALTERNATES: KOHLER K-1729	2"	1-1/2"	1/2"	1/2"	PROVIDE 7490.172H FAUCET WITH WRIST BLADE HANDLES, 0.5 GPM NON-AERATED SPRAY OUTLET, GRID DRAIN, "TRUEBRO" #102 INSULATION KIT AT SUPPLY & DRAIN. PROVIDE WITH 0.5 GPM NON-AERATED SPRAY
UR-1	URINAL	AMERICAN STANDARD STATEBROOK MODEL: 6210.010	2"	1-1/2"	1"	-	ELONGATED, TOP SPUD WITH AMERICAN STANDARD ELECTRONIC FLUSH VALVE MODEL: 6590.505 - 0.5 GPF
FD-1	FLOOR DRAIN	WADE MODEL: W-1103-STD 5-27 ALTERNATES: JOSAM MODEL: 30000-E ZURN MODEL: Z310	AS SHOWN	AS SHOWN	-	-	PROVIDE WITH SATIN BRONZE GRATE AND TRAP PRIMER CONNECTION
FD-2	FLOOR DRAIN	WADE MODEL: W-1103-STD 5 ALTERNATES: JOSAM MODEL: 30000-E ZURN MODEL: Z310	AS SHOWN	AS SHOWN	-	-	PROVIDE WITH SATIN BRONZE GRATE, SEDIMENT BUCKET, AND TRAP PRIMER CONNECTION
FS-1	FLOOR SINK	WADE MODEL: W-9113-15-27 ALTERNATES: JOSAM MODEL: 49000 ZURN MODEL: Z1910	AS SHOWN	AS SHOWN	-	-	8"X8" SQUARE CAST IRON FLOOR SINK, 6" DEEP WITH SEDIMENT BUCKET, AND 1/2" GRATE
FS-1	FLOOR SINK (PVC)	JONES STEPHENS CORP. MODEL: SS9	AS SHOWN	AS SHOWN	-	-	12"X12" SQUARE PVC FLOOR SINK, 6" DEEP WITH SEDIMENT BUCKET, AND 1/2" GRATE ACCEPTABLE FOR USE IF APPROVED BY AUTHORITY HAVING JURISDICTION
TD-1	TRENCH DRAIN	ZURN MODEL: Z667	AS SHOWN	AS SHOWN	-	-	PROVIDE 2667-ES 15' EXTENSION SECTIONS AS REQUIRED FOR LENGTHS SHOWN. ALTERNATE, PVC TRENCH DRAINS IS ACCEPTABLE IF ALLOWED BY AUTHORITY HAVING JURISDICTION AND APPROVED BY OWNER.
WCO	WALL CLEANOUT	ZURN MODEL: Z1443	AS SHOWN	-	-	-	EPOXY COATED CAST IRON BODY, GAS AND WATER TIGHT TAPERED THREAD PLUG, AND NICKEL BRONZE SECURED SQUARE, SMOOTH WALL ACCESS COVER WITH FRAME.
FCO	FLOOR CLEANOUT	WADE MODEL: 6004-NH-1 ALTERNATES: JOSAM MODEL: 56040 ZURN MODEL: Z1400	AS SHOWN	-	-	-	PROVIDE WITH SATIN BRONZE TOP
WH	NON-FREEZE WALL HYDRANT	WOODFORD MODEL: B65 ALTERNATES: WATTS MODEL: HY-725 ZURN MODEL: Z1306	-	-	3/4"	-	PROVIDE VACUUM BREAKER. COORDINATE WITH OWNER IF CYLINDER KEY LOCK IS DESIRED PRIOR TO ORDERING

NOTES: REFER TO MECHANICAL SPECIFICATIONS ON THE SPECIFICATION ("SP") SHEETS FOR ADDITIONAL INFORMATION



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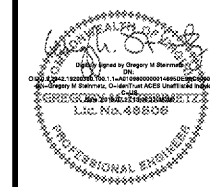


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PROJECT INFORMATION:

SONIC®  
 SONIC DRIVE-IN RESTAURANT  
 10850 PROMENADE LANE  
 MANASSAS, VA 20109  
 STORE #6711

SEAL:



PROJECT NO.: 0419738-002  
 DRAWN BY: TAB  
 CHECKED BY: GS

ISSUE: DATE:  
 PERMIT SET 07-27-18

REVISION: DATE:

PROJECT LOCATION:  
 MANASSAS, VA  
 #6711

SHEET NUMBER / TITLE:

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