

Seal



DP3
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Project

MARIACHIS
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Project Number: 23213
Drawn By: TLW
Checked By: KFM
Date: Issue Date

Revisions

Drawing

PLUMBING
LEGEND, NOTES,
AND SCHEDULES

P0.1

PLUMBING SYMBOLS LEGEND	
PIPING LEGEND	
	DOMESTIC COLD WATER - CW
	FILTERED WATER - FW
	EXISTING DOMESTIC COLD WATER - (E)CW
	DOMESTIC HOT WATER - HW - 110°F
	DOMESTIC HOT WATER - HW - 140°F
	EXISTING DOMESTIC HOT WATER - (E)HW
	DOMESTIC HOT WATER RETURN - HWR
	DOMESTIC HOT WATER RETURN - 140°F
	EXISTING HOT WATER RETURN - (E)HWR
	TEMPERED WATER - TW
	TEMPERED WATER RETURN - TWR
	VENT PIPING ABOVE FLOOR - V
	EXISTING VENT PIPING ABOVE FLOOR - (E)V
	SANITARY SEWER PIPING - SS
	EXISTING SANITARY SEWER PIPING - (E)SS
	INDIRECT WASTE PIPING - IW
	PUMPED DISCHARGE PIPING - PD
	GREASE WASTE PIPING - GW
	EXISTING GREASE WASTE PIPING - (E)GW
	STORM DRAIN PIPING - ST
	EXISTING STORM DRAIN PIPING - (E)ST
	OVERFLOW (EMERGENCY) STORM DRAIN PIPING - OST
	EXISTING OVERFLOW (EMERGENCY) STORM DRAIN PIPING - (E)OST
	CONDENSATE DISCHARGE PIPING - CD
	EXISTING CONDENSATE DISCHARGE - (E)CD
	FIRE PROTECTION PIPING - F
	EXISTING FIRE PROTECTION PIPING - (E)F
	NATURAL GAS PIPING (LOW PRESSURE) - G
	NATURAL GAS PIPING (2 PSI) - G
	NATURAL GAS PIPING (5 PSI) - G
	EXISTING NATURAL GAS PIPING - (E)G
	COMPRESSED AIR PIPING - CA
	EXISTING COMPRESSED AIR PIPING - (E)CA
SYMBOL LEGEND	
	CONNECT TO EXISTING
	KITCHEN EQUIP #
	FIXTURE / EQUIPMENT DESIGNATION
	FLOOR DRAIN
	HUB DRAIN
	FLOOR/GRADE CLEANOUT
	WALL CLEANOUT
	P-TRAP
	PIPING TURNING UP
	PIPING TURNING DOWN
	VENT THRU ROOF
	BALL VALVE
	GATE VALVE
	PRESS REDUCING VALVE
	BACKFLOW PREVENTER
	STRAINER
	UNION
	WALL HYDRANT
	PIPE CAP
	FLOW INDICATOR
	REDUCER
	T&P VALVE
	CHECK VALVE
	KEY NOTE
ABBREVIATIONS	
A	AMPS
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
CD	CONDENSATE DRAIN PIPING
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER (DOMESTIC)
OWFU	COLD WATER FIXTURE UNIT
DN	DOWN
ECO	EXTERIOR CLEANOUT
ELEV	ELEVATION
E/EX	EXISTING
FD	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FOG	FATS, OIL, AND GREASE
FS	FLOOR SINK
FT /'	FOOT / FEET
FT	FLUSH TANK
FV	FLUSH VALVE
G	GAS PIPING
GAL	GALLON(S)
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
GW&T	GREASE WASTE AND TRAP
HD	HOSE BIBB
HD	HUB DRAIN
HP	HORSE POWER
HW	HOT WATER (DOMESTIC)
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN (DOMESTIC)
HZ	HERTZ
IN /"	INCH / INCHES
INV	INVERT
IW	INDIRECT WASTE
KW	KILOWATT
LRA	LOCKED ROTOR AMPS
MBH	THOUSAND BRITISH THERMAL UNITS
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NFWH	NON-FREEZE WALL HYDRANT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OST	OVERFLOW (EMERGENCY) STORM
OSY	OUTSIDE SCREW AND YOKE
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SG	SPECIFIC GRAVITY
SS	SANITARY SEWER
ST	STORM DRAIN
SQFT	SQUARE FEET
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TP	TRAP PRIMER
V	VOLTS
VB	VACUUM BREAKER
VIV	VALVE IN VERTICAL
VTR	VENT THRU ROOF
W	WASTE
W&T	WASTE AND TRAP
WC	WATER COLUMN
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTER
WSFU	WATER SUPPLY FIXTURE UNIT
(NOT ALL SYMBOLS ARE USED)	

PLUMBING SPECIFICATIONS	
1	CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES AND HEALTH REGULATIONS HAVING JURISDICTION. CONTRACTOR SHALL PAY ALL FEES AND PERMITS REQUIRED.
2	CONTRACTOR SHALL GUARANTEE INSTALLATION AGAINST DEFECTS IN WORKMANSHIP. MATERIALS AND EQUIPMENT FURNISHED ON PROJECT FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. PROVIDE EXTENDED WARRANTIES FOR EQUIPMENT SUCH AS WATER HEATERS WHEN REQUIRED.
3	SUBMIT FOR APPROVAL THE NUMBER OF SHOP DRAWINGS AND MANUFACTURERS LITERATURE ON ALL PLUMBING FIXTURES & MATERIALS AS REQUIRED TO THE ARCHITECT OR OWNER'S REPRESENTATIVE.
4	CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE PREMISES AT AND ADJACENT TO PROPOSED WORK. VERIFY EXISTING PIPE SIZES, LOCATION AND SUITABILITY FOR CONNECTION TO THE NEW SYSTEM PRIOR TO BID.
5	DRAWINGS ARE DIAGRAMMATIC AND INTEND TO SHOW APPROXIMATE LOCATION OF PIPING, FIXTURES, ETC. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND COORDINATE WITH OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. INSTALL ALL WORK WITHOUT CONFLICT WITH OTHER TRADES AND MAKE MINOR ALTERATIONS AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
6	CONTRACTOR SHALL COOPERATE FULLY WITH OWNER IN SCHEDULING AND MAKING CONNECTIONS TO EXISTING SERVICE LINES SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND SHORTEST POSSIBLE INTERRUPTION OF SERVICE.
7	CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC., OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO PURCHASING EQUIPMENT. ALL EQUIPMENT SHALL BE U.L. AND NEMA APPROVED.
8	MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ALL ELECTRICAL PANELS AND 1'-0" EITHER SIDE OF PANEL TO STRUCTURE. ALL PIPING SHALL BE ROUTED AROUND THIS AREA.
9	CONTRACTOR SHALL FURNISH ACCESS PANELS, TO BE INSTALLED BY THE GENERAL CONTRACTOR, AS REQUIRED FOR PLUMBING INSTALLATIONS.
10	ALL SANITARY VENT ROOF PENETRATIONS SHALL BE A MINIMUM DISTANCE OF 10'-0" AWAY FROM ALL ROOFTOP MECHANICAL EQUIPMENT OR OTHER AIR INTAKE DEVICES.
11	ALL HORIZONTAL AND VERTICAL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. SUPPORTS SHALL SECURELY HOLD PIPING, PREVENT VIBRATION, COMPENSATE FOR STATIC AND OPERATIONAL CONDITIONS OF THE VARIOUS SYSTEMS, AND SHALL NOT BE SUBJECT TO ELECTROLYTIC ACTION.
12	CONTRACTOR TO COORDINATE AND INSTALL, IF REQUIRED FOR THIS PROJECT, NEW WATER METER AS PER REQUIREMENTS OF LOCAL UTILITY COMPANY. CONTRACTOR SHALL INCLUDE ALL TAP FEES AND COSTS INTO BID FOR A COMPLETE INSTALLATION.
13	DOMESTIC WATER PIPING OUTSIDE OF THE BUILDING BURIED BELOW GRADE SHALL BE TYPE "K" SOFT COPPER. WATER PIPING PASSING THROUGH OR UNDER FOOTINGS OR FOUNDATION WALLS SHALL BE SLEEVED OR OTHERWISE PROTECTED. COPPER PIPING PASSING UNDER AND THROUGH CONCRETE SLAB SHALL BE PROTECTED BY A PROTECTIVE SHEATING OR WRAPPING TO PREVENT CORROSION TO THE COPPER PIPING.
14	ALL DOMESTIC HOT WATER AND COLD WATER PIPING ABOVE SLAB SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS USING "NO-LEAD" SOLDER. DOMESTIC WATER PIPING BELOW CONCRETE SLAB SHALL BE TYPE "K" SOFT COPPER. NO SOLDER JOINTS ARE ALLOWED BELOW CONCRETE SLAB. COPPER PIPING PASSING UNDER AND THROUGH CONCRETE SLAB OR WALLS SHALL BE PROTECTED WITH A PROTECTIVE SHEATING OR WRAPPING TO PREVENT CORROSION TO THE COPPER PIPING.
15	VALVES SERVING DOMESTIC WATER SYSTEMS SHALL BE BALL VALVES OR APPROVED EQUAL. ALL VALVES SHALL BE LOCATED SO AS TO BE ACCESSIBLE BY MAINTENANCE PERSONNEL.
16	PROVIDE 1" THICK FIBERGLASS PIPE INSULATION WITH SERVICE JACKET ON ALL DOMESTIC WATER PIPING. DOMESTIC COLD WATER PIPE INSULATION SHALL HAVE A CONTINUOUS VAPOR BARRIER.
17	ALL WATER PIPING SHOWN RATED IN EXTERIOR WALLS SHALL BE LOCATED INSIDE THE BUILDING INSULATION AND FINISHED WALL TO PREVENT FREEZE DAMAGE.
18	CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND INVERT AT THE POINT OF CONNECTION TO THE SEWER SYSTEM BEFORE DETERMINING FINAL ROUTING OF SOIL, WASTE AND VENT PIPING.
19	ALL SOIL, WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT HUB AND SPIGOT CAST IRON OR SCHEDULE 40 PVC DWV PLASTIC PIPE WHERE ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION FOR THIS INSTALLATION. PROVIDE 3M FIRE BARRIER CAULK GP-25 CAULKING, OR U.L. APPROVED EQUAL, AT ANY PENETRATION OF FIRE RATED ASSEMBLIES.
20	ALL SOIL, WASTE AND VENT PIPING SHALL BE UNIFORMLY GRADED AND SHALL HAVE A SLOPE OF NOT LESS THAN 1/4" PER FOOT FOR PIPING 3" IN DIAMETER AND SMALLER AND 1/8" PER FOOT FOR PIPE LARGER THAN 3" IN DIA.
21	NUMBER OF PLUMBING FIXTURES REQUIRED SHALL BE IN ACCORDANCE WITH THE 2021 SOUTH CAROLINA PLUMBING CODE 407. HANDICAP REQUIREMENTS SHALL BE IN ACCORDANCE WITH ANSI A117.1-2003.

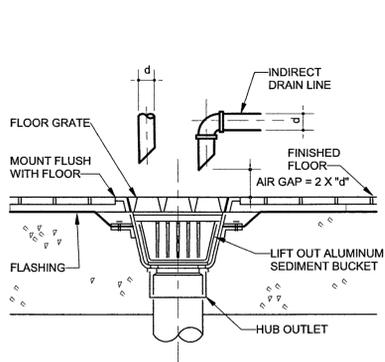
PLUMBING FIXTURE SCHEDULE			
MARK	FIXTURE	MANUFACTURER MODEL	DESCRIPTION
HWC	WATER CLOSET (ADA)	KOHLER HIGHCLIFF K-96057	ELONGATED BOWL, 1-1/2" TOP SPUD, FLOOR MOUNTED, WHITE VITREOUS CHINA, KOHLER MODEL K-4670C LUSTRA SEAT, BOLT CAPS, SLOAN REGAL #111 FLUSH VALVE, 1.6 GPF. CONTRACTOR TO VERIFY THE FIXTURE WITH CODE REQUIREMENTS PRIOR TO INSTALLATION.
LAV	WALL HUNG LAVATORY	KOHLER GREENWIC H K-2030	WALL MOUNT. PROVIDE KOHLER K-7443 FAUCET WITH K-16012-5 TRITON WRIST BLADE HANDLES, GRID STRAINER AND TAIL-PIECE AND MCGUIRE MODEL 170, CHROME PLATED BRASS ANGLE SUPPLY STOPS, AND MCGUIRE MODEL B690Z CHROME PLATED BRASS P-TRAP WITH C.O. 17 GA. 1-1/2" INLET AND OUTLET, BRASS SLEEVES AND CHROME PLATED ESCUTCHEON PLATE. INSTALL TRAP WRAP ON EXPOSED PIPE. TRUEBRO MODEL 102E-Z WITH 105-K AND PROVIDE OFFSET DRAIN. PROVIDE ZURN - Z1231 CONCEALED ARM CARRIER.
HB	HOSE BIBB	WOODFORD MODEL B65	CHROME PLATED WALL FAUCET WITH COLD SUPPLY, WALL BOX, SELF DRAINING, VACUUM BREAKER, LOOSE TEE KEY.
TMV	THERMOSTATIC MIXING VALVE	LEONARD TAL-F-F	THERMOSTATIC MIXING VALVE, DURA-TROL SOLID BIMETAL THERMOSTAT INTERNAL PARTS MADE OF BRASS, BRONZE AND STAINLESS STEEL. INTEGRAL WALL SUPPORT, CAST LEVER HANDLE, COMBINATION CHECK STOPS, HOT-COLD WITH DIRECTIONAL INDICATORS, HIGH TEMPERATURE LIMIT STOP, 1/2" INLET/OUTLET. APPROVED EQUALS: SYMMONS, WATTS.
ET	EXPANSION TANK	AMTROL ST-25V	WELDED STEEL TANK, BUTYL DIAPHRAM, LINED FOR CORROSION RESISTANCE, WITH AIR CHARGE FITTING AND BRASS THROUGH CONNECTION APPROVED EQUALS: AMES, FEBCO, WILKINS, WESSELS.
BFP	BACKFLOW PREVENTER	WATTS SERIES 909	2-1/2" REDUCED PRESSURE BACKFLOW PREVENTER. THE ASSEMBLY SHALL INCLUDE TWO TIGHTLY CLOSING FULL PORT SHUT-OFF VALVES BEFORE AND AFTER THE DEVICE. TEST COCKS, BRONZE STRAINER UPSTREAM OF FIRST VALVE AND WATTS 909AG AIR GAP. RUN DRAIN LINE TO NEAREST FLOOR DRAIN OR HUB DRAIN.
BFP-1	BACKFLOW PREVENTER	WATTS SERIES LF7	FOR ICE MAKERS, COFFEE MAKERS, ESPRESSO MACHINE. DUAL CHECK VALVES.
RCP	HOT WATER RECIRC PUMP	B&G MODEL PL-36B	BRONZE BOOSTER PUMP, 115V/SINGLE PHASE, 1/6 HP MOTOR, 25 GPM @ 15 FT. HEAD.

PLUMBING FIXTURE CONNECTION SCHED.					
MARK	FIXTURE/EQUIPMENT	DOMESTIC COLD WATER	DOMESTIC HOT WATER	SEWER	VENT
LAV	LAVATORY	1/2"	1/2"	1-1/2"	2"
HWC	WATER CLOSET (ADA)	1"	-	4"	2"
FD	FLOOR DRAIN	-	-	3"	2"
FS	FLOOR SINK	-	-	4"	2"
WCO	WALL CLEANOUT	-	-	4"	-
FCO	FLOOR CLEANOUT	-	-	4"	-
HB	HOSE BIBB	1/2"	-	-	-
1	SODA SYSTEM	1/2"	-	-	-
10	MOP SINK	1/2"	1/2"	2"	2"
32.1	3 COMP SINK PRE-RINSE	1/2"	1/2"	-	-
32.2	3 COMP SINK FAUCET	1/2"	1/2"	(3)1-1/2" IW	-
38	WAREWASHER	-	3/4"	2" IW	-
42	HAND SINK	1/2"	1/2"	1-1/2"	2"
46	DROP-IN, WATER & ICE STA.	1/2"	-	1" IW	-
47	COFFEE/TEA BREWER	1/2"	-	-	-
48	DRINK DISPENSER	1/2"	-	3/4" IW	-
49	ICE MAKER	1/2"	-	3/4" IW	-
56	HAND SINK	1/2"	1/2"	1-1/2"	2"
57.1	2 COMP SINK FAUCET	1/2"	1/2"	(2)1-1/2" IW	-
B2	UNDERBAR 4 COMP SINK	1/2"	1/2"	(4)1-1/2" IW	-
B3	UNDERBAR HAND SINK	1/2"	1/2"	1-1/2" IW	-
26	HOT FOOD TABLE	-	-	1" IW	-
39	TROUGH DRAIN	-	-	4"	-
51	TROUGH DRAIN	-	-	4"	-
B4	UNDERBAR DRAINBOARD	-	-	1" IW	-
B6	UNDERBAR ICE CHEST	-	-	1" IW	-
B16	DRIP TROUGH	-	-	1/2" IW	-

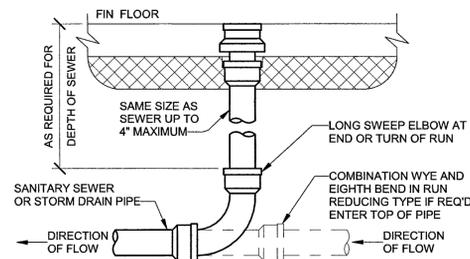
GAS FIRED WATER HEATER SCHEDULE								
MARK	LOCATION	MANUFACTURER	MODEL	TANK CAPACITY	INPUT (BTUH)	RECOVERY RATE (100°F RISE)	ELECTRICAL V/PH/Hz	NOTES
WH-1	MECHANICAL ROOM	A.O. SMITH	BTH-199	100 GALLON	199,900	235 GPH	REFER TO ELEC DRAWINGS	A THRU J
WH-2	MECHANICAL ROOM	A.O. SMITH	BTH-199	100 GALLON	199,900	235 GPH	REFER TO ELEC DRAWINGS	A THRU J
NOTES								
A. EQUIPMENT AND ALL ASSOCIATED WATER SIDE PIPING, VALVES, AND ACCESSORIES SHALL BE PROVIDED BY PLUMBING CONTRACTOR.								
B. EQUIPMENT SHALL MEET ASHRAE 90.1 STANDARDS FOR THERMAL EFFICIENCY AND STANDBY LOSS.								
C. FURNISH CONCENTRIC VENT KIT FOR INSTALLATION BY MECHANICAL CONTRACTOR.								
D. PROVIDE FACTORY INSTALLED TEMPERATURE AND PRESSURE SAFETY RELIEF VALVE (T&P VALVE).								
E. PLUMBING CONTRACTOR SHALL PROVIDE HARD COPPER DRAIN LINE FROM T & P VALVE DOWN TO AN APPROVED RECEPTOR WITH AIR GAP. PIPING TO BE FULL SIZE OF T & P VALVE DISCHARGE CONNECTION.								
F. PROVIDE WATTS MODEL AS-30 ALL METAL STAND.								
G. UNIT SHALL MEET SCAQMD RULE 1146.2 FOR LOW-NOX EMISSIONS.								
H. DISCONNECT SWITCH TO BE PROVIDED BY ELECTRICAL CONTRACTOR. PLUMBING CONTRACTOR SHALL COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR.								
I. REFER TO GAS WATER HEATER DETAIL FOR ADDITIONAL INSTALLATION INFORMATION.								
J. WATER HEATER TO BE SET @ 140 DEGREES F.								

WATER FIXTURE LOAD CALCULATIONS						
MARK	FIXTURE/EQUIPMENT	QUANTITY	WATER			TOTAL F U PER FIXTURE
			CW F U PER FIXTURE	HW F U PER FIXTURE	TOTAL WSFU PER TYPE	
LAV	LAVATORY	4	15	15	20	80
HWC	WATER CLOSET (ADA)	4	10.0	-	10.0	40.0
HB	HOSE BIBB	1	2.25	-	2.25	2.25
1	SODA SYSTEM	1	1.0	-	1.0	1.0
10	MOP SINK	1	2.25	2.25	3.0	3.0
32.1	3 COMP SINK PRE-RINSE	1	2.0	2.0	3.0	3.0
32.2	3 COMP SINK FAUCET	1	2.0	2.0	3.0	3.0
38	WAREWASHER	1	-	3.0	3.0	3.0
42	HAND SINK	1	1.5	1.5	2.0	2.0
46	DROP-IN, WATER & ICE STA	1	0.5	-	0.5	0.5
47	COFFEE/TEA BREWER	2	0.5	-	0.5	1.0
48	DRINK DISPENSER	1	0.5	-	0.5	0.5
49	ICE MAKER	1	1.0	-	1.0	1.0
56	HAND SINK	1	1.5	1.5	2.0	2.0
57.1	2 COMP SINK FAUCET	1	2.0	2.0	3.0	3.0
B2	UNDERBAR 4 COMP SINK	1	2.0	2.0	3.0	3.0
B3	UNDERBAR HAND SINK	1	1.5	1.5	2.0	2.0
TOTALS			23.75			78.25
MAXIMUM WATER DEMAND AT 78.25 F U = 61 GPM = 2" WATER MAIN SUPPLY						
MAXIMUM HOT WATER DEMAND AT 23.75 F U = 37 GPM = 1 1/2" HOT WATER SUPPLY						
FIXTURE UNITS BASED ON 2021 SOUTH CAROLINA PLUMBING CODE (FLUSH VALVES)						

GAS DEMAND LOAD CALCULATIONS						
MARK	FIXTURE/EQUIPMENT	QUANTITY	UNIT DEMAND BTUH	TOTAL DEMAND BTUH	TOTAL MBH	CONNECTION PIPE SIZE
RTU-1	ROOFTOP UNIT	1	120,000	120,000	120.0	3/4"
RTU-2	ROOFTOP UNIT	1	150,000	150,000	150.0	3/4"
RTU-3	ROOFTOP UNIT	1	150,000	150,000	150.0	3/4"
WH-1	WATER HEATER	1	199,900	199,900	199.9	

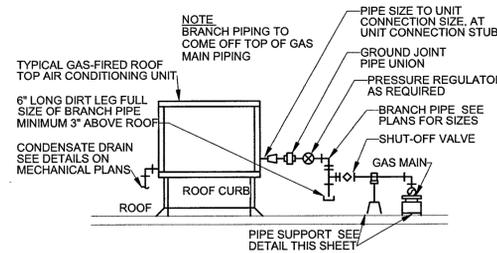


1 FLOOR SINK - FS
P0.2 NOT TO SCALE

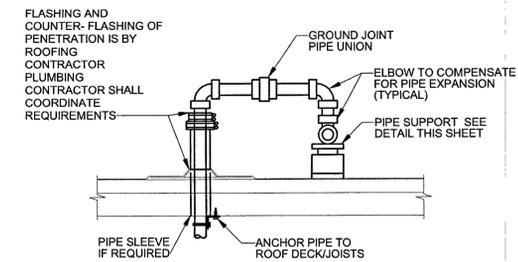


ROUND SECURED GASKETED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP (HEAVY DUTY GRATE) WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORATED FOR UNFINISHED FLOORS). PROVIDE GASKETED PLASTIC PLUG IN CAST IRON BODY. USE TEFLON JOINT COMPOUND ON PLUG THREADS. CLEAN THE TOP OF EXPOSED FCO AFTER INSTALLATION. LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCH. SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER REQUIREMENTS.

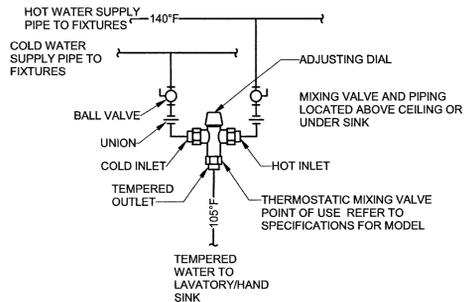
2 FLOOR CLEANOUT SLAB ON GRADE - FCO
P0.2 NOT TO SCALE



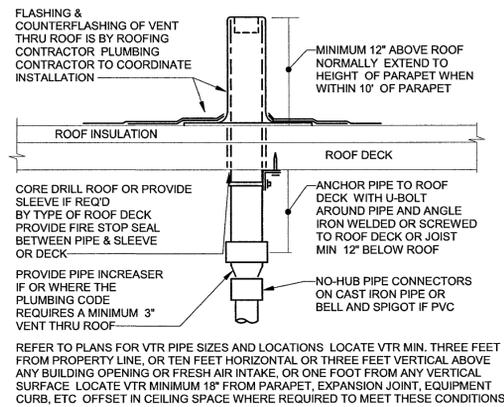
3 GAS CONNECTION TO ROOFTOP UNITS
P0.2 NOT TO SCALE



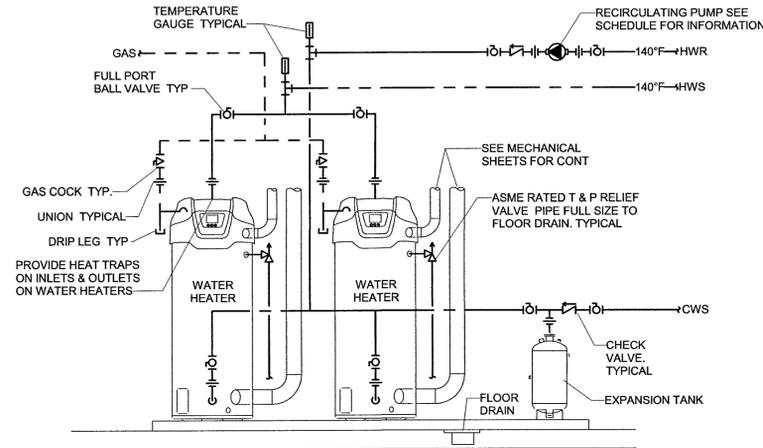
4 GAS PIPING ROOF PENETRATION
P0.2 NOT TO SCALE



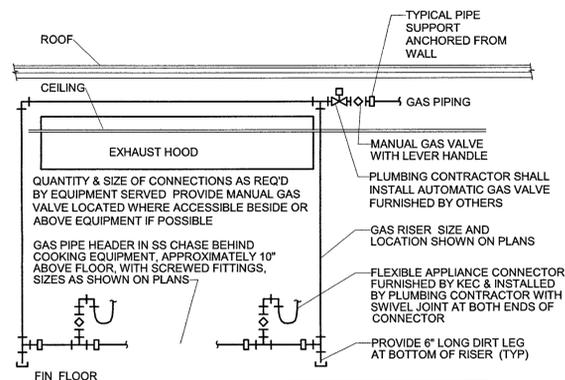
5 THERMOSTATIC MIXING VALVE
P0.2 NOT TO SCALE



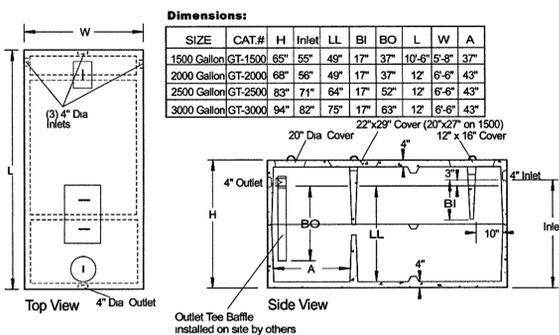
6 VENT THRU ROOF - VTR
P0.2 NOT TO SCALE



7 GAS WATER HEATER - 2 TANK, 1 TEMP
P0.2 NOT TO SCALE



8 COOKING APPLIANCE GAS CONNECTION
P0.2 NOT TO SCALE

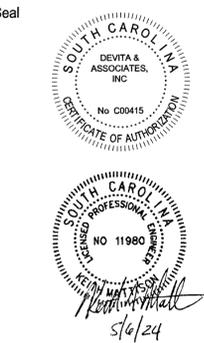


SPECIFICATIONS		PRECAST GREASE TRAPS 1500 TO 3000 GALLONS	
Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: #3 Rebar, 6x6x10/10 WWM Air Entrainment: 6% Construction Joint: Butyl Rubber Sealant Pipe Connection: Polylok Seal (patented) Load Rating: 300 psf		Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050	
		Page 8C 7/18/14	

9 LANCASTER COUNTY APPROVED GREASE INTERCEPTOR
P0.2 NOT TO SCALE

GREASE INTERCEPTOR SIZING CALCULATION	
SIZING PER LANCASTER COUNTY WATER & SEWER DISTRICT FOG POLICY, USING THE EPA FORMULA	
SIZE OF GI (GALLONS) = D X GL X HR/2 X LF	
D = # SEATS = 108	
GL = 5 GALLONS WASTE WATER/MEAL	
HR = HOURS OPEN PER DAY = 11	
LF = LOAD FACTOR = 0.8 (AVERAGE)	
SIZE = 108 X 5 X 11/2 X 0.8 = 2376 GALLONS	
**SELECT (1) 2500 GALLON EXTERIOR GRAVITY GREASE INTERCEPTOR	

10 GREASE INTERCEPTOR SIZING CALCULATION
P0.2 NOT TO SCALE



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DETAILS & G.I.
SIZING

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LANCASTER, SC

Project Number 23213
 Drawn By TLW
 Checked By KFM
 Date Issue Date

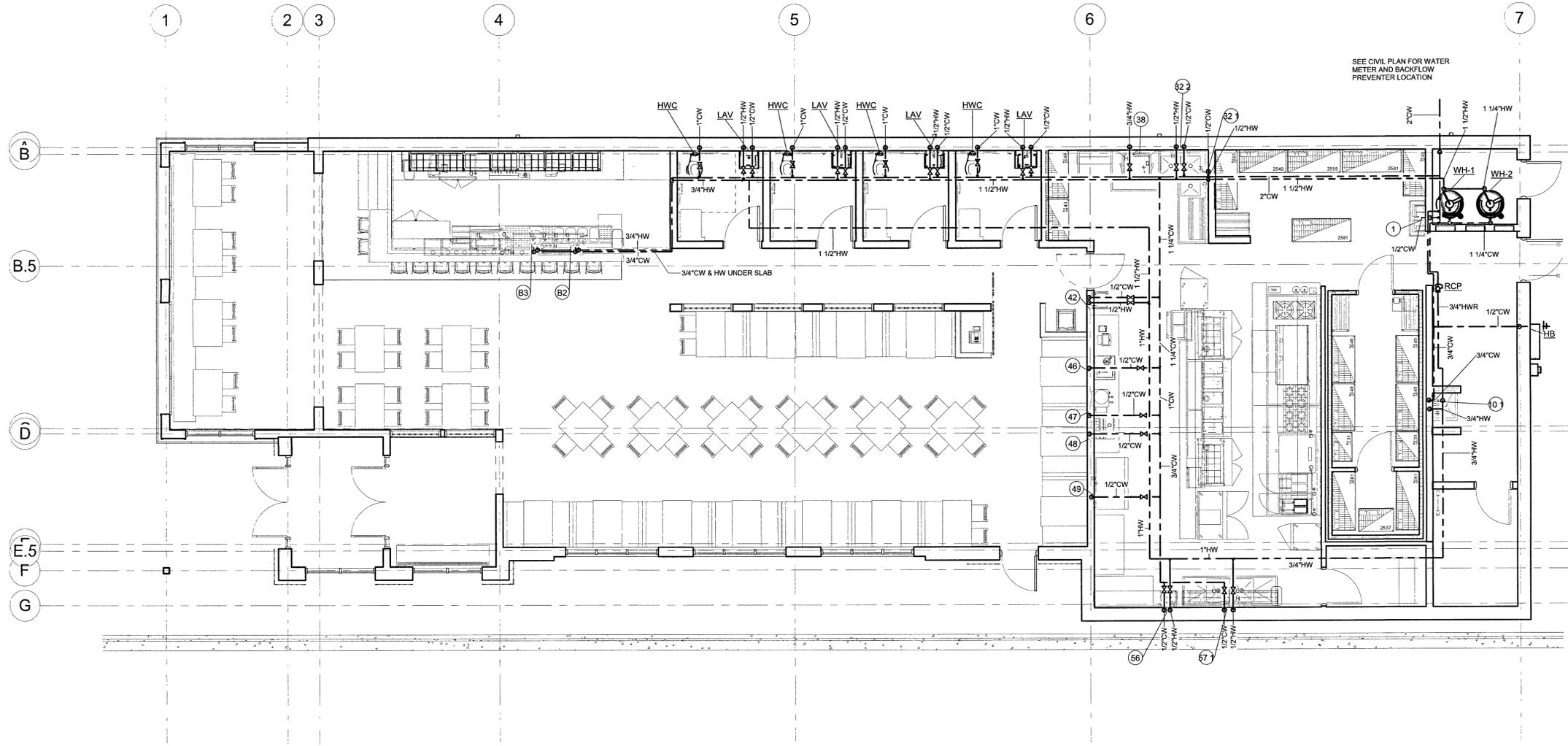
Revisions

Drawing

PLUMBING
DOMESTIC WATER
PLAN

P1.2

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1 PLUMBING PLAN - DOMESTIC WATER
 P1.2
 3/16" = 1'-0"
 0 4 8 12 16'

Seal



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Project

MARIACHIS
RESTAURANT
LANCASTER, SC

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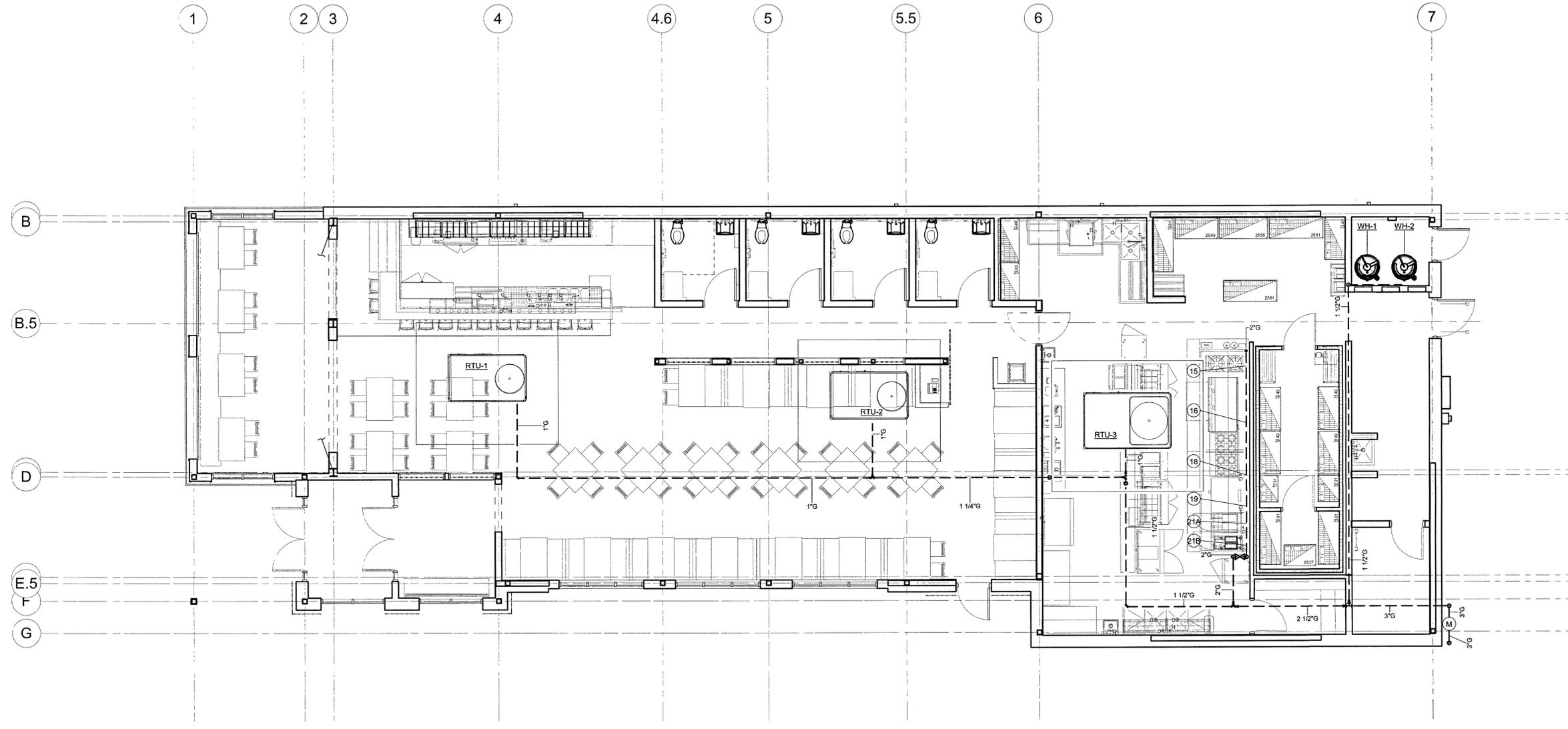
Revisions

Drawing

PLUMBING GAS
PLAN

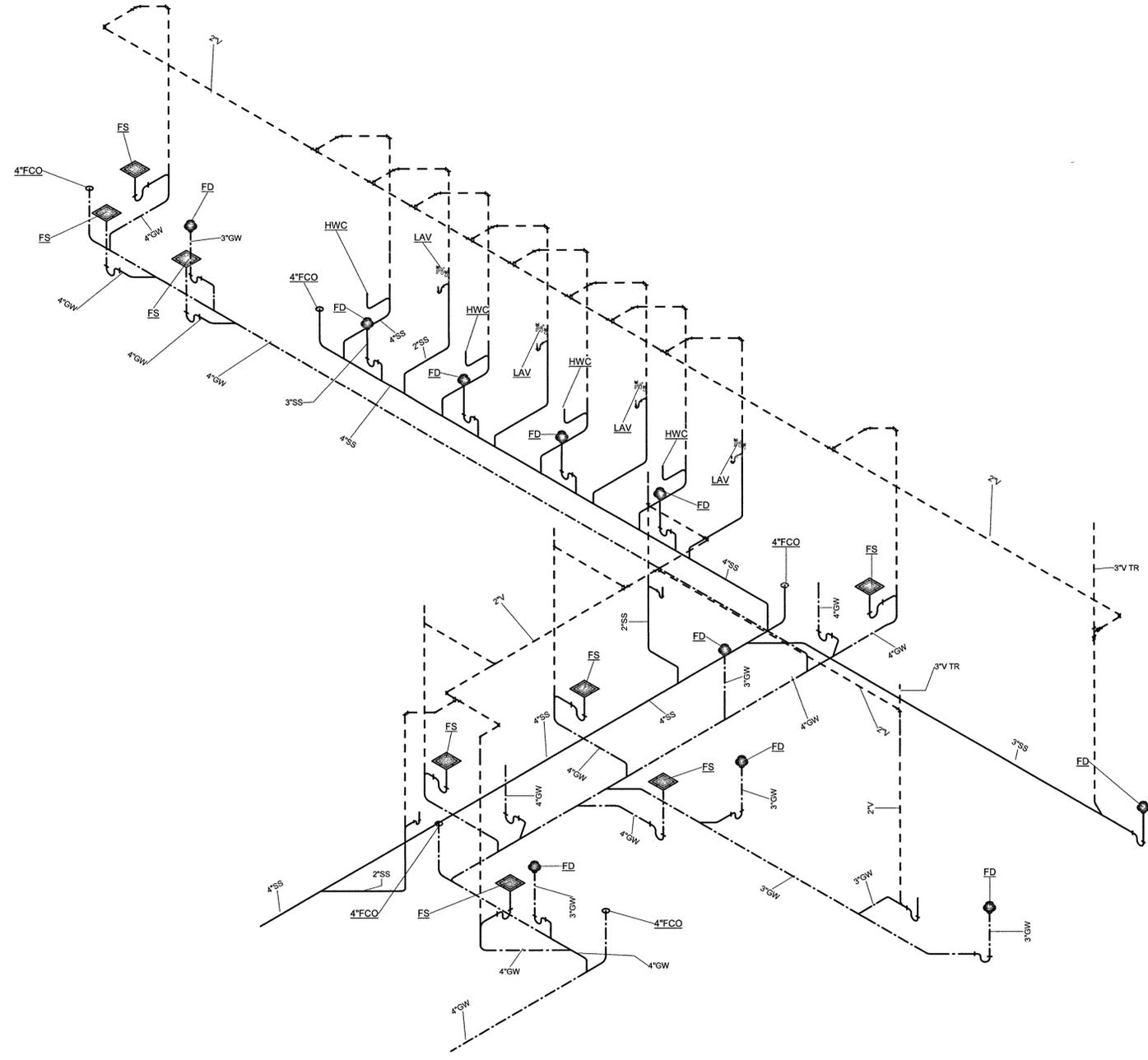
P1.3

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1 PLUMBING PLAN - NATURAL GAS
 P1.3
 3/16" = 1'-0"
 0 4' 8' 12' 16'

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1 PLUMBING SANITARY RISER DIAGRAM
P2.1 NOT TO SCALE

Seal



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LANCASTER, SC**

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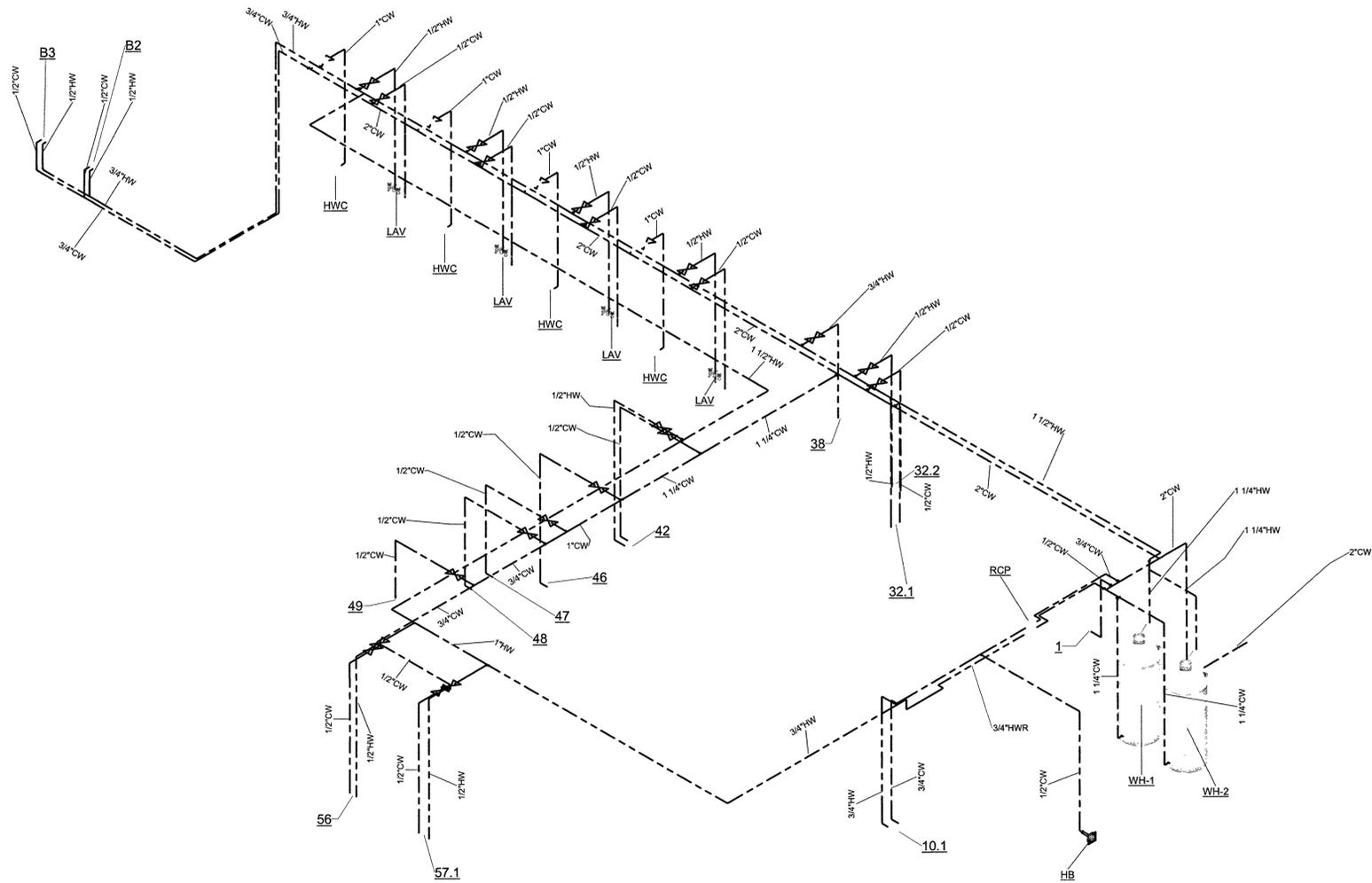
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**PLUMBING
SANITARY RISER
DIAGRAM**

P2.1

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1 DOMESTIC WATER RISER DIAGRAM
 P2.2 NOT TO SCALE

Seal



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Project

**MARIACHIS
 RESTAURANT
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Drawn By	TLW
Checked By	KFM
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Revisions

Drawing

PLUMBING
 DOMESTIC WATER
 RISER DIAGRAM

P2.2

