PLUMBING FIXTURE SCHEDULE

MARK	SYMBOL	MANUFACTURER	CATALOG NUMBER	FIXTURE DESCRIPTION	HW	CW	WASTE	VENT	REMARKS
FCO		JR SMITH	4020S	FLOOR CLEANOUT	--	--	SEE PLANS	--	DUCO CAST IRON, NO-HUB OUTLET, INTERNAL ABS CLEANOUT PLUG, WITH ADJUSTABLE ROUND SCORIATED NICKEL BRONZE TOP.
FD		JR SMITH	2005Y	FLOOR DRAIN	--	SEE PLANS	SEE PLANS	SEE PLANS	DUCO CAST IRON, NO-HUB OUTLET, WITH ADJUSTABLE STRAINER HEAD AND SQUARE NICKEL BRONZE STRAINER (EXCEPT USE ROUND STRAINER AND ADD TRAP PRIMER CONNECTION FOR (2) RESTROOM DRAINS).
FS		JR SMITH	3430Y-12	FLOOR SINK	--	--	SEE PLANS	SEE PLANS	12"x12"x8" A.R. COATED CAST IRON, NO-HUB OUTLET, WITH INTERNAL DOME STRAINER AND A.R. COATED CAST IRON 1/2 GRATE.
HB-1		JR SMITH	5509QT	FREEZE PROOF HOSE BIBB	--	3/4"	--	--	AUTO-DRAINING WITH INTEGRAL VACUUM BREAKER, HOSE CONNECTION, AND KEYED STAINLESS STEEL BOX.
LAV		AMERICAN STANDARD	DECLYN 0321.075	LAVATORY	1/2"	1/2"	2"	1-1/2"	WALL-HUNG TYPE, VITREOUS CHINA, CONCEALED ARMS SUPPORT, 4" CENTERS, WITH SUPPLIES, 1/4 TURN BRASS STOPS, P-TRAP, LAV-GUARD COVER, AND SYMMONS "SYMMETRIX" S-20-2-G-0.5 FAUCET WITH STANDARD ADA HANDLE, GRID DRAIN, AND 0.5 GPM FLOW RESTRICTOR. MOUNTING SHALL COMPLY WITH ANSI A117.1 GUIDELINES.
MS		FIAT	MSB 36"x24"	MOP SINK	3/4"	3/4"	3"	2"	PROVIDE WITH HOSE AND BRACKET, MOP HANGER, AND UTILITY FAUCET EQUAL TO AMERICAN STANDARD MODEL 8354.112.
TMV		POWERS	HYDROGUARD E480	THERMOSTATIC MIXING VALVE	1/2"	1/2"	--	--	CAST BRASS BODY WITH INTEGRAL CHECKS, MINIMUM FLOW 0.5 GPM. LEAD FREE
TP-1		PPP	P-1 OR P-2	TRAP PRIMER	--	1/2"	--	--	"PRECISION PLUMBING PRODUCTS" PRIME-RITE, P-1 OR P-2 SERIES WITH DISTRIBUTION UNIT FOR MULTIPLE DRAINS. 3/4" MALE HOSE W/ VACUUM BREAKER. PROVIDE WITH ACCESS PANEL. LEAD-FREE.
UR		AMERICAN STANDARD	WASHBROOK 6590.501	URINAL	--	3/4"	2"	1-1/2"	LOW FLOW 0.5 GPF, BARRIER FREE, FLUSHING RIM, 3/4" INLET SPUD, VITREOUS CHINA URINAL. PROVIDE WITH MANUFACTURER'S MANUAL FLUSH VALVE. PROVIDE WITH MANUFACTURERS RECOMMENDED INSTALLATION MATERIALS AND WALL CARRIER SYSTEM. SEE ARCHITECTURAL SHEETS FOR PROPER MOUNTING HEIGHT.
WC		AMERICAN STANDARD	MADERA 3043.001	WATER CLOSET - ADA	--	1"	4"	2"	FLOOR MOUNTED, ELONGATED BOWL, VITREOUS CHINA, 1" TOP SPUD, 1.28 GPF. PROVIDE SLOAN "ROYAL" MODEL 111-1.28-SG FLUSHOMETER WITH "SANIGUARD" HANDLE AND CHURCH MODEL 9500CT OPEN-FRONT SEAT LESS COVER. MOUNTING SHALL COMPLY WITH ANSI A117.1 GUIDELINES.
WCO		J.R. SMITH	4530S	WALL CLEANOUT	--	--	SEE PLANS	--	DUCO CAST IRON CLEANOUT TEE WITH NO-HUB CONNECTION, BRONZE COUNTERSUNK PLUG, AND STAINLESS STEEL ROUND COVER
(E)GWH		A.O. SMITH	BTH-199	TANK-TYPE GAS WATER HEATER	1-1/2"	1-1/2"	VIA HD	--	EXISTING 100-GALLON 199,000 BTUH INPUT, WITH DIRECT VENT IN/OUT THRU WALL.

ADA REQUIREMENTS

1. WATER CLOSETS:

   A. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" (431.8 mm) AND A MAXIMUM OF 19" (482.6 mm) MEASURED TO THE TOP OF TOILET SEAT. FLUSH CONTROLS SHALL BE OPERABLE, BE AN OSCILLATING HANDLE WITH A MAXIMUM OPERATING FORCE OF 3 LBS. (.67 N) OR BY A REMOTE LOW VOLTAGE BUTTON. THE HANDLE OF THE BUTTON SHALL BE LOCATED SO IT IS OPERABLE WITHOUT REQUIRING EXCESSIVE BODY MOVEMENT. (LOCATE ON WIDE SIDE OF WATER CLOSET).

2. LAVATORIES:

   A. LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29" (736.6 mm) FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" (762 mm) IN WIDTH WITH 8" (203.2 mm) MINIMUM OF DEPTH AT THE TOP. TOE CLEARANCE SHALL BE THE SAME WIDTH AND SHALL BE A MINIMUM OF 9" (228.6 mm) HIGH FROM THE FLOOR AND A MINIMUM OF 17" (431.8 mm) DEEP FROM THE FRONT OF THE LAVATORY.

   B. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

   C. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. (22.2 N). LEVER-OPERATED PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

PLAN CHECK NOTES

- ALL FIXTURES, EQUIPMENT, PIPING, AND MATERIAL SHALL BE LISTED.
- ALL PLUMBING FIXTURES SHALL MEET THE FLOW REQUIREMENTS SPECIFIED IN THE AHJ PLUMBING CODE.
- ALL FAUCETS IN PUBLIC RESTROOMS SHALL BE SELF-CLOSING OR SELF-CLOSING METERING FAUCETS.
- PUBLIC LAVATORIES SHALL HAVE CONTROLS TO LIMIT THE WATER TEMPERATURE TO 110 DEGREE F.
- WATER PIPE AND FITTINGS WITH A LEAD CONTENT EXCEEDING 0.25% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER.

PLUMBING SYMBOLS LEGEND

	BALL VALVE
	GATE VALVE
	CHECK VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	SHUT-OFF VALVE
	PIPE UNION
	END CAP
O I	PIPE TURN UP
C I	PIPE TURN DOWN
	FLOOR SINK
	FLOOR DRAIN
	SANITARY WASTE LINE
	COLD WATER LINE
	HOT WATER LINE
	VENT LINE
G	GAS LINE
GW	GREASE WASTE LINE
	TANK TYPE WATER HEATER

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON PLANS.

GENERAL PLUMBING NOTES

1. PLUMBING WORK SHALL INCLUDE FURNISHING, INSTALLING, AND TESTING ALL PLUMBING SYSTEMS, INCLUDING: PIPING, VALVES, DEVICES AND APPURTENANCES, AND EQUIPMENT FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS. CONTRACTOR SHALL COORDINATE, INSTALL, AND TEST ITEMS SPECIFICALLY NOTED AS FURNISHED BY OTHERS. WORK INCLUDES, BUT IS NOT LIMITED TO:

   A. CONCRETE CUTTING, REMOVAL, BACK FILL, AND PATCHING,
   B. PIPING, FITTINGS, AND ESCUTCHEONS AT WALL PENETRATIONS,
   C. PVC - SCHD 80 CONDENSATE DRAINS FROM RTU'S. (REFER TO MECHANICAL PLANS AND COORDINATE),
   D. PLUMBING FIXTURES,
   E. COPPER CONDENSATE AND INDIRECT WASTE DRAINS FROM KITCHEN EQUIPMENT IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S DIRECTIONS,
   F. FAUCETS, DRAINS, AND CHROME-PLATED VALVES FOR MOP SINKS AND RESTROOM SINKS,
   G. WATER HEATER AND TEMPERATURE / PRESSURE SAFETY RELEASE,
   H. BACKFLOW PREVENTER AT WATER FILTER, COFFEE/TEA MAKER, AND SODA DISPENSER AND VACUUM BREAKER AT EACH PIECE OF EQUIPMENT CONNECTED TO COLD WATER AND AS REQUIRED BY LOCAL CODE,
   I. SHUT-OFF VALVES ON WATER AND GAS PIPES AT EACH BRANCH AND PIECE OF EQUIPMENT OR FIXTURE,
   J. GAS PIPING (REFER TO MECHANICAL PLANS AND KITCHEN PLANS AND COORDINATE),
   K. CUTTING AND PATCHING NEW ROOF OPENINGS,
   L. WEATHER-PROOF ROOF AND WALL PENETRATIONS.

3. CONTRACTOR SHALL CAREFULLY INSPECT ALL EQUIPMENT RECEIVED AND VERIFY THAT IT IS COMPATIBLE WITH THE MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS PRIOR TO INSTALLING EQUIPMENT. CONTACT ARCHITECT OR ENGINEER FOR DIRECTION IF ANY SIGNIFICANT DISCREPANCY ARISES.

4. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS, ELEVATIONS, AND FLOW DIRECTIONS OF EXISTING PIPING TO WHICH NEW PIPING IS TO BE CONNECTED. REVIEW ALSO THE GENERAL CONDITION OF THESE SYSTEMS AND MODEL NUMBERS OF ANY EXISTING EQUIPMENT TO BE REUSED OR RELOCATED. CONTACT ARCHITECT OR ENGINEER WITH ANY DISCREPANCIES OR CONCERNS PRIOR TO BEGINNING WORK.

5. REFER TO ARCHITECTURAL PLANS AND KITCHEN PLANS FOR FINAL LOCATIONS AND ELEVATIONS OF ROUGH-IN TO EQUIPMENT. MAKE ALL CONNECTIONS. CONTRACTOR SHALL FIELD VERIFY AND CONTACT ARCHITECT FOR DIRECTION IF ANY SIGNIFICANT DISCREPANCY IS FOUND.

WATER SUPPLY

6. ALL HOT, COLD, AND FILTERED WATER PIPING SHALL BE SECURED AND PROPERLY SUPPORTED ABOVE CEILINGS AND WITHIN WALLS, UNEXPOSED TO VIEW, WHEREVER POSSIBLE. SURFACE MOUNTED PIPING IS NOT ACCEPTABLE, UNLESS APPROVED IN WRITING BY ARCHITECT. PIPING SHALL CONFORM TO NSF 61.

7. PROVIDE VIBRATION ISOLATION. PROVIDE WATER HAMMER ARRESTORS AT THE TOP OF EACH PLUMBING RISER AND AT EACH "QUICK CLOSING" VALVE (E.G. FLUSH VALVE).

8. ALL HOT AND COLD WATER PIPING ABOVE FLOOR AND EXPOSED DRAIN PIPING SHALL BE TYPE "L" HARD TEMPER COPPER PIPING CONFORMING TO ASTM B88 WITH WROUGHT COPPER SOLDER JOINT FITTINGS AND 2% LEAD SOLDER (U.N.O.). HIDDEN OR PROTECTED DRAIN PIPING MAY BE TYPE "DWV" CONFORMING TO ASTM B306.

9. UNDERFLOOR WATER PIPING SHALL BE TYPE "K" SOFT-DRAWN COPPER TUBING CONFORMING TO ASTM B88 WITH WROUGHT COPPER SOLDER JOINT FITTINGS AND SILVER SOLDERED JOINTS.

10. IF PERMITTED BY THE LOCAL A.H.J., CONTRACTOR MAY USE PEX PIPING (ASTM F876/877), EQUAL TO UPONOR WIRSBO, FOR HOT AND COLD WATER SUPPLY PIPING ABOVE FLOOR AND UNDERSLAB WITH APPROPRIATE ABRASION PROTECTION SLEEVES/FITTINGS. FOR ABOVE FLOOR PIPING, BRASS JOINT FITTINGS SHALL BE USED AND COPPER TUBING OF AT LEAST 6" LENGTH SHALL BE USED FOR FINAL CONNECTION AT FIXTURES AND HARDWARE. NO JOINTS SHALL BE USED IN UNDERSLAB PIPING INSTALLATIONS.

11. PROVIDE ACCESSIBLE SHUT-OFF VALVES AND MAKE FINAL CONNECTION PER MANUFACTURER'S RECOMMENDATIONS TO ALL KITCHEN EQUIPMENT. REFER TO KITCHEN PLANS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.

12. PROVIDE REDUCED PRESSURE BACKFLOW ASSEMBLY (RPZ) ON MAIN WATER SERVICE, UNLESS SHELL BUILDING OR LANDLORD HAS PROVIDED IT. PROVIDE RPZ AT SUPPLY OF WATER FILTER, WATER INJECTED SOAP DISPENSERS, COFFEE & TEA BREWERS, CARBONATED DRINK DISPENSERS. STAINLESS STEEL SHALL BE USED ON CARBONATED AND OTHER CORROSIVE LIQUIDS. ROUTE DRAIN TO NEAREST FLOOR SINK, U.N.O. BACKFLOW PREVENTERS SHALL BE TESTED BY CERTIFIED TECHNICIAN.

13. PROVIDE PRESSURE REDUCING VALVES (CONFORMING TO ASSE 1003) FOR ALL HOT AND COLD WATER PIPES SERVING EQUIPMENT IF PRESSURE EXCEEDS 80 P.S.I.

14. CONTRACTOR SHALL TEST WATER PRESSURE DOWNSTREAM OF WATER METER AND BACKFLOW PREVENTER. IF LESS THAN 30 P.S.I., CONTACT ARCHITECT / ENGINEER.

15. GATE VALVES SHALL BE BRONZE WITH ENDS TO SUIT PIPE, NON-RISING STEM FOR 150 P.S.I. WORKING PRESSURE.

INSULATION

16. PIPE INSULATION SHALL BE EQUAL TO OWENS CORNING FIBERGLAS "ASJ/SSL" HAVING ALL SERVICE JACKET. PROVIDE PLASTIC JACKET WHERE EXPOSED TO PHYSICAL DAMAGE. ARMAFLEX OR EQUAL OF REQUIRED R-VALUE MAY BE PROVIDED WHERE PERMITTED BY A.H.J. INSTALL WITH ADHESIVE AND FOR USE AS RECOMMENDED BY MANUFACTURER.

17. ALL DOMESTIC COLD WATER PIPING AND CONDENSATE DRAINS SHALL BE INSULATED WITH 1/2" FIBERGLASS. ALL HOT WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS. COMPLY WITH 2016 CALIFORNIA ENERGY CODE

GAS PIPING

18. CONTRACTOR SHALL CONTACT GAS COMPANY TO COORDINATE REQUIREMENTS TO RE-ESTABLISH GAS SERVICE. CONTACT ARCHITECT / ENGINEER FOR DIRECTION IF TOTAL PIPING LENGTH OR TOTAL LOADS INCREASE OR IF METER DISCHARGE PRESSURE IS LOW. PROVIDE APPROVED GAS PRESSURE REGULATORS. ALL WORK SHALL COMPLY WITH NFPA 54.

19. GAS PIPING INSIDE BUILDING AND ABOVE GRADE SHALL BE AMERICAN MANUFACTURED, NEW SCHEDULE 40 STANDARD WEIGHT BLACK STEEL PIPE. PIPING 2-1/2" AND LARGER SHALL BE WELDED AND PIPING 2" AND SMALLER SHALL BE THREADED AND HAVE 150 LB., BLACK MALLEABLE IRON SCREW FITTINGS CONFORMING TO ASTM A53.

GAS PIPING (continued)

20. CONNECTIONS, FITTINGS, ETC. SHALL BE SAME WEIGHT AS PIPE AND EQUAL TO PRODUCTS OF CRANE COMPANY. VALVES SHALL CONFORM TO ASME B16.33. ONE INCH AND SMALLER VALVES SHALL BE LEVER HANDLE. LARGER VALVES SHALL BE IRON BODY WITH BRONZE SQUARE HEAD PLUG. PROVIDE OPERATING WRENCH WITH EACH VALVE. PROVIDE UNIONS AT EACH CONNECTION TO EQUIPMENT. DO NOT INSTALL UNIONS ELSEWHERE.

21. BELOW GRADE OUTSIDE BUILDING, GAS PIPING MAY BE HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH HEAT FUSION FITTINGS CONFORMING TO ASTM D2513 IF PERMITTED BY A.H.J. INSTALLATION SHALL CONFORM TO LOCAL CODE AND UTILITY COMPANY REQUIREMENTS. PROVIDE TRACER WIRE WITH PLASTIC PIPE.

22. GAS BRANCH LINES SHALL BE MADE WITH 45° AND 90° TEES OUT OF THE TOP OF MAINS.

23. CONTRACTOR SHALL INSTALL SOLENOID VALVE FOR KITCHEN GAS CONTROL, FURNISHED BY KITCHEN EQUIPMENT VENDOR, AND WIRED BY FIRE SUPPRESSION SYSTEM CONTRACTOR.

24. PROVIDE U.L. LISTED CORRUGATED, FLEXIBLE GAS CONNECTIONS TO WATER HEATER AND COOKING EQUIPMENT CONFORMING TO ANSI Z21.24. PROVIDE RIGID CONNECTIONS TO ALL OTHER EQUIPMENT AND APPLIANCES AND WHERE LOCAL CODE PROHIBITS THE USE OF FLEXIBLE CONNECTIONS. OUTDOOR CONNECTORS SHALL BE LISTED FOR OUTDOOR USE.

25. PROVIDE ROCKWELL, NORDSTROM, CRANE, WALWORTH, OR APPROVED EQUAL PLUG TYPE STOP COCKS IN THE GAS LINES, IN EACH BRANCH LINE AND RISER, SERVING TWO OR MORE OUTLETS. PROVIDE STOP COCK AT EACH OUTLET WITH A UNION BETWEEN IT AND THE EQUIPMENT SERVED. (THE FIRING VALVE CONTROL SHALL NOT BE CONSTRUED AS SUITABLE FOR SHUT-OFF.) PROVIDE MASTER SHUT-OFF VALVE AT THE METER, AT MAIN BRANCHES, AND AS SHOWN ON PLANS.

WASTE AND VENT

26. SANITARY AND GREASE WASTE PIPING AND VENT PIPING MAY BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D2665 WHERE SPECIFICALLY PERMITTED BY THE A.H.J.

27. IF PVC IS NOT PERMITTED FOR WASTE, THEN GREASE AND SANITARY WASTE SHALL BE STANDARD WEIGHT CAST IRON CONFORMING TO ASTM A74 WITH NO-HUB FITTINGS CONFORMING TO ASTM C564-09a. IF PVC IS NOT PERMITTED FOR VENT, THEN VENT PIPING SHALL BE GALVANIZED STEEL CONFORMING TO ASTM A53 OR CAST IRON NO-HUB CONFORMING TO ASTM A74. VENT FITTINGS SHALL BE SAME MATERIAL (WITH GALV. STEEL CONFORMING TO ASTM A865).

28. PVC PIPING SHALL NOT BE EXPOSED IN RETURN AIR PLENUMS. PVC PIPE EXPOSED TO U.V. RADIATION SHALL BE SCHEDULE 80 AND PAINTED WITH LIGHT COLORED, WATER-BASED ACRYLIC OR LATEX PAINT CHEMICALLY COMPATIBLE WITH PVC. USE ONLY IF PERMITTED BY A.H.J.

29. ALL EXPOSED DRAIN PIPING FOR HAND SINKS AND RESTROOM LAVATORIES SHALL BE CHROME PLATED.

30. CONDENSATE DRAINS FROM COOLER AND FREEZER SHALL BE RUN TO THE NEAREST FLOOR DRAIN OR FLOOR SINK WITH HARD COPPER PIPE. CONDENSATE DRAINS FROM ROOF SHALL BE RUN TO MOP SINK WITH A 1-1/4" INSULATED PIPE (U.N.O.). PROVIDE HEAT TRACE FOR DRAINS IN COOLER AND FREEZER.

31. COORDINATE FINAL LOCATIONS OF VENTS THROUGH ROOF SO THAT NONE IS WITHIN 10'-0" OF ANY FRESH AIR INTAKE. WHERE THIS IS NOT FEASIBLE, APPLY TO ARCHITECT TO RAISE AND TERMINATE VENT OPENING A MINIMUM OF 3'-0" ABOVE AIR INTAKE IF THIS IS PERMITTED BY A.H.J.

32. CONTRACTOR SHALL PROVIDE HARD COPPER INDIRECT WASTE FROM KITCHEN EQUIPMENT. REFER TO KITCHEN PLANS. PROVIDE PROPER BRACING FROM EQUIPMENT OR BACK WALL TO PREVENT MOVEMENT OR DAMAGE. TERMINATE WITH CODE-APPROVED AIR GAP.

33. ALL HORIZONTAL SANITARY AND GREASE WASTE PIPING SHALL BE RUN AT A MINIMUM SLOPE OF 2% (1/4" PER FT.), U.N.O.

34. CLEANOUTS SHALL BE PROVIDED IN SANITARY AND GREASE WASTE AT CHANGE OF DIRECTION EXCEEDING 45° AND IN INTERIOR INTERVALS NOT EXCEEDING 50 FT. CLEANOUTS SHALL BE SAME SIZE AS PIPE AND MADE OF BRASS CAULKED INTO LINES WITH ADJUSTABLE ACCESS PLATES IN FINISHED AREAS. EXTERIOR CLEANOUTS SHALL BE ENCASED IN CONCRETE AT GRADE.

MISCELLANEOUS

35. CONTRACTOR SHALL PROVIDE PIPE SLEEVES FOR ALL PIPES PASSING THROUGH FOUNDATION WALLS. USE SLEEVE ONE SIZE LARGER THAN PIPE AND SEAL AROUND SLEEVE AND PIPE.

36. REFER TO KITCHEN PLAN DETAILS FOR INSTALLATION OF FLOOR SINKS AND FLOOR DRAINS, INCLUDING SLOPING OF FLOOR.

37. CONTRACTOR SHALL SNAKE ALL DRAIN LINES AND SANITARY SEWER LINES PRIOR TO APPLYING FOR FINAL PAYMENT. CONTRACTOR SHALL INSPECT AND VIDEOTAPE INTERIOR OF EXISTING SANITARY WASTE AND SEWER TO INSURE THAT SYSTEM IS CAPABLE OF FUNCTIONING PROPERLY.

38. COORDINATE THE LOCATIONS OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN (RCP) AND LIGHTING PLAN.

39. PROVIDE UNIONS OF SAME PRESSURE RATING AS SYSTEM AT PROPER POINTS TO ALLOW REMOVAL OF EQUIPMENT, PIPE, ETC. WITHOUT DAMAGE TO OTHER PARTS OR SYSTEMS.

40. PROVIDE DIELECTRIC UNIONS TO SEPARATE DISSIMILAR MATERIAL PIPES.

41. CONTRACTOR SHALL PROVIDE A 4" CONCRETE HOUSEKEEPING PAD SLOPED AT 2% TO EXTERIOR OR DRAIN FOR WATER HEATER (U.N.O.).

42. ALL WATER PIPING AND SEWERS SHALL BE PROPERLY TESTED TO THE SATISFACTION OF THE A.H.J. AND ARCHITECT. GIVE ARCHITECT 72 HOURS NOTICE PRIOR TO CONDUCTING TEST.

43. TRENCHES SHALL BE BACK-FILLED WITH CLEAN SOIL BY TAMPING OR PUDDLING IN 6" INCREMENTS. NO PIPE SHALL BE LESS THAN 12" BELOW FINISHED GRADE.

44. THESE PLANS AND SPECIFICATIONS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL DETAILS, DEVICES AND METHODS OF CONSTRUCTION REQUIRED IN ORDER TO ACHIEVE A FIRST CLASS, WORKMANLIKE RESULT.

45. THE BIDDING CONTRACTOR(S) SHALL REFERENCE THESE PLANS AND SPECIFICATIONS, AS WELL AS THE ARCHITECTURAL, STRUCTURAL, AND CIVIL PLANS AND SPECIFICATIONS TO UNDERSTAND THE COMPLETE SCOPE OF WORK.

PLUMBING ABBREVIATIONS

AD	ACCESS DOOR	KW	KILOWATT
ADJ	ADJUSTABLE	LAV	LAVATORY
A.F.F.	ABOVE FINISHED FLOOR	LL	LANDLORD
A.H.J.	AUTHORITIES HAVING JURISDICTION	MD	MOTORIZED DAMPER
AHU	AIR HANDLER UNIT	MFR	MANUFACTURER
BOD	BOTTOM OF DUCT	MOCP	MAXIMUM OVERCURRENT PROTECTION
BOP	BOTTOM OF PIPE	MTD	MOUNTED
CD	CONDENSATE DRAIN	N.I.C.	NOT IN CONTRACT
CFM	AIR VOLUME - CUBIC FEET / MINUTE	NTS	NOT TO SCALE
CU	CONDENSING UNIT	OA	OUTSIDE AIR
CW	COLD WATER	OD	OUTSIDE DIAMETER
CWR	CONDENSER WATER RETURN	ODP	OPEN DRIP PROOF
CWS	CONDENSER WATER SUPPLY	RA	RETURN AIR
DB	DRY BULB TEMPERATURE	RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
DIA OR Ø	DIAMETER	RTU	ROOF TOP UNIT
EA	EXHAUST AIR	SA	SUPPLY AIR
EDH	ELECTRIC DUCT HEATER	SD	SMOKE DETECTOR
EF	EXHAUST FAN	SS	SANITARY SEWER
ESP	EXTERNAL STATIC PRESSURE	SW	SANITARY WASTE
EXH	EXHAUST	TEN	TENANT
FCO	FLOOR CLEAN OUT	TMV	THERMOSTATIC MIXING VALVE
FD	FLOOR DRAIN	T-STAT	THERMOSTAT
FD	FIRE DAMPER	TYP	TYPICAL
FLA	FULL LOAD AMPS	UG	UNDERGROUND
GPM	GALLONS / MINUTE	UH	UNIT HEATER
GCO	GROUND CLEANOUT	U.N.O.	UNLESS NOTED OTHERWISE
GW	GREASE WASTE	VFD	VARIABLE FREQUENCY DRIVE
HP	HORSEPOWER	VD	VOLUME DAMPER
HW	HOT WATER	V.I.F.	VERIFY IN FIELD
HWR	HOT WATER RETURN	WC	WATER CLOSET
ID	INSIDE DIAMETER	WCO	WALL CLEAN OUT
IN	INCHES	WG	WATER GAUGE
IWH	INSTANTANEOUS WATER HEATER	WH	TANK TYPE WATER HEATER

NOTE: NOT ALL ABBREVIATIONS MAY APPEAR ON PLANS.

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APPLICABLE CODES

- 2012 INTERNATIONAL BUILDING CODE
- 2017 INTERNATIONAL ELECTRICAL CODE
- 2012 INTERNATIONAL FIRE CODE
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE
- 2012 INTERNATIONAL PLUMBING CODE
- 2003 NATIONAL GREEN BUILDING STANDARDS
- 2012 INTERNATIONAL MECHANICAL CODE
- 2012 INTERNATIONAL FUEL GAS CODE

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GEORGIA REGISTERED No. PE032106 PROFESSIONAL ENGINEER JOSEPH F. KEENE

JULY 5TH, 2018

NO	REVISION

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PAULTON COUNTY
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