

THESE CONTRACT DOCUMENTS REPRESENT A PORTION OF A COMPLETE DESIGN WHICH, TO THE BEST OF OUR

- 20. PLUMBING SYSTEM INSTALLER SHALL PROVIDE ALL STRUCTURAL MEMBERS, SUPPORT BRACKETS, KNOWLEDGE HAVE BEEN PREPARED IN COMPLIANCE WITH APPLICABLE BUILDING CODE REQUIREMENTS. THE FLASHING, HARDWARE, ETC., REQUIRED TO INSTALL A COMPLETE SYSTEM. USE OF THESE PLANS WITHOUT THE CONSENT OF THE ENGINEER OF RECORD IS PROHIBITED. ALTERATIONS
 - 21. FIXTURES AND EQUIPMENT SHALL BE AS PER SCHEDULED LIST OF ACCEPTABLE MANUFACTURERS:
 - 22. NOTE: MANUFACTURERS NOT LISTED REQUIRE PRIOR APPROVAL FOR INCLUSION IN BIDDING.
 - ELJER PLUMBINGWARE DIV., KOHLER CO.
 - d. FLUSH VALVES: SLOAN VALVE CO. (ROYAL ONLY)
 - g. FIXTURE SUPPORTS: JAY R SMITH, JOSAM MFG. CO., KOHLER CO., TYLER PIPE, ZURN INDUSTRIES, INC., HYDROMECHANICS DIV.
 - DRAIN UNITS WILL HAVE ONE ROOF OPENING FOR EACH UNIT AND MAY REPLACE THE USE OF "RD-1/OD-1" APPLICATION AS A SINGLE UNIT WITH DUAL PIPING. COORDINATE WITH ROOFING CONTRACTOR IF
 - k. PIPING SUPPORTS: HOLDRITE, SIOUX CHIEF MFG CO., KINDORF, UNISTRUT, EMPIRE INDUSTRIES INC., ERICO CADDY PIPING SPECIALITES COPPER: SIOUX CHIEF MFG CO., WATTS
- REQUIRED BY THE APPLICABLE INSPECTION AUTHORITY, BECAUSE OF CONTRACTOR OPTED REVISIONS SHALL BE COMPENSATED TO THE ENGINEER BY THE REQUESTING CONTRACTOR. PAYMENT WILL BE WHITE, A.O. SMITH, STATE, RUUD/RHEEM m. WATER HEATERS, TANKLESS TYPE AS BASED ON SCHEDULE REQUIREMENTS: BRADFORD-WHITE,
- PLUMBING PLANS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO INDICATE CAPACITY, SIZE, LOCATION, n. WATER TEMP/MIXING VALVE ASSEMBLIES: POWERS * DIRECTION, AND GENERAL ARRANGEMENT, BUT NOT EXACT DETAILS OF CONSTRUCTION. THE FACT THAT ONLY CERTAIN FEATURES OF THE INSTALLATION ARE INDICATED MUST NOT BE TAKEN TO MEAN THAT OTHER
- NECESSARILY SHOWN. ALL EQUIPMENT SHALL BE TESTED, ADJUSTED AND PLACED IN SATISFACTORY OPERATIONAL CONDITION BY THE PLUMBING CONTRACTOR. THIS CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, MATERIALS AND
- EQUIPMENT TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY. THIS IS IN ADDITION TO ANY WARRANTY OR GUARANTEE FROM THE EQUIPMENT MANUFACTURER. FURNISH THE OWNER WITH THE MANUFACTURER'S WRITTEN WARRANTEE CERTIFICATES.

TO THE DESIGN AS SHOWN ON THESE PLANS ARE ONLY ALLOWED BY WRITTEN AUTHORIZATION OF THE

THE PLUMBING CONTRACTOR SHALL COMPLY WITH THE 2010 FLORIDA BUILDING CODES AND AMENDMENTS,

THE INSTALLATION OF THE SYSTEMS SHALL BE IN ACCORD WITH THE MATERIALS AND METHODS INDICATED

APPROVED BY THE ENGINEER. IF NOT INCLUDED IN THE SUBMITALS AND NOT SPECIFICALLY REQUESTED,

RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ADHERE TO THE DESIGN DOCUMENTS SO LONG AS

THEY DO NOT INDICATE INSTALLATIONS THAT WILL PRESENT CODE VIOLATIONS. NO ADDITIONAL CHARGES

LISTING THE SPECIFIC ITEM(S) IN QUESTION SO THAT IT CAN BE REVIEWED AND A RESPONSE IN WRITING.

NOTICE TO CONTRACTOR: REVISIONS TO THESE DRAWINGS AND CERTIFICATION THERETO, WHICH MAY BE

ALL REQUESTS FOR INFORMATION "RFI" SHALL BE PROVIDED TO THE ENGINEER IN WRITTEN FORMAT

THE "RFI" SHALL BE SENT THRU THE PROPER CHANNELS SO THE THAT GENERAL CONTRACTOR AND

WILL BE APPROVED OR ACCEPTED TO CHANGE THE INSTALLATION IN ORDER TO COMPLY WITH CODE OR TO

IN THE PLANS AND SPECIFICATIONS. ANY DESIRED DEVIATIONS SHALL BE SUBMITTED (IN WRITING) TO AND

THE STATE OF FLORIDA ENERGY CODE, AND ALL LOCAL CODES AS MAY BE APPLICABLE.

MATERIALS AND METHODS SHALL BE PROVIDED PER PLANS AND SPECIFICATIONS.

RETROFIT ANY WORK THAT WAS INSTALLED IN VIOLATION OF A CODE

ARCHITECT HAVE A RECORD OF IT PRIOR TO SENDING IT TO THE ENGINEER.

REQUIRED AT TIME OF CERTIFICATION DELIVERY.

THE CODES REPRESENT THE MINIMUM INSTALLATION CRITERIA FOR THE PROJECT. IT IS THE

ENGINEER OF RECORD.

ELECTRICAL, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR COORDINATION AND ADDITIONAL INFORMATION REGARDING INSTALLATION OF PLUMBING SYSTEMS.

CONTRACTOR SHALL EXAMINE ALL CONSTRUCTION DOCUMENTS INCLUDING MECHANICAL, PLUMBING,

SIMILAR OR DIFFERENT FEATURES WILL NOT BE REQUIRED. ALL RISES AND DROPS IN PIPING NOT

10. WORK SHALL INCLUDE ALL LABOR, MATERIALS, PERMITS AND OTHER COSTS AS ARE NECESSARY FOR THE INSTALLATION OF A COMPLETE AND SATISFACTORY OPERATIONAL PLUMBING AND SANITARY SYSTEM. . SIX SETS OF SHOP DRAWING SUBMITTALS OF ALL MAJOR EQUIPMENT SHALL BE PROVIDED IN BOOK FORMAT

FOR REVIEW PRIOR TO ORDERING AND PROCUREMENT OF SAME. PROPOSED FIXTURE SUBSTITUTIONS SHOULD

- BE PROVIDED TO ARCHITECT FOR REVIEW AT LEAST 10 DAYS PRIOR TO BID. THIS CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS TO INSURE THAT EACH TRADE SHALL HAVE SUFFICIENT SPACE TO INSTALL THEIR EQUIPMENT (DUCTWORK, PIPING, ELECTRICAL, ETC.).
- 13. UNLESS NOTED, ALL MATERIALS SHALL BE NEW, COMPLETE, INCLUDE MANUFACTURER'S WARRANTY, AND BE U.L. LISTED IF APPLICABLE. ALL WORK SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN
- 14. PLUMBING CONTRACTOR RESPONSIBILITY TO BE TO 5 FT. BEYOND BUILDING LINE. FINAL CONNECTION TO SITE UTILITIES TO BE PLUMBER'S RESPONSIBILITY.
- 15. CONTRACTOR SHALL VERIFY ELEVATION OF UTILITY CONNECTIONS ON SITE PRIOR TO COMMENCING WORK. NOTIFY ENGINEER PRIOR TO COMMENCING WORK OF ANY DISCREPANCIES. 16. VERIFY ALL DIMENSIONS FROM ARCHITECTURAL PLANS OR FIELD DIMENSIONS. DO NOT SCALE OFF OF
- BURIED PIPING NEAR FOUNDATION SHALL BE INSTALLED IN ACCORDANCE WITH FLORIDA PLUMBING CODE INSTRUCTIONS ON PROTECTION OF PIPES.
- 18. DO NOT INSTALL ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANELS. COORDINATE IN THE FIELD TO AVOID CONFLICTS WITH PIPING AND PLACEMENT OF ELECTRICAL PANELS.

19. ALL EXPOSED WORK SHALL BE INSTALLED LEVEL, PLUMB AND STRAIGHT IN A NEAT, ORDERLY AND WORKMAN LIKE MANNER.

GENERAL PLUMBING NOTES & REQUIREMENTS

- a. LAVS, SERVICE SINKS, WATER CLOSETS, URINALS, BATH TUBS: AMERICAN STANDARD, CRANE CO.,
- b. STAINLESS STEEL SINKS: AMERICAN STANDARD, ELKAY MFG. CO., KOHLER, DAYTON. c. FAUCETS: DELTA, MOEN, SYMMONS, AMERICAN STANDARD, CHICAGO, KOHLER, SLOAN, T&S BRASS...
- e. WATER CLOSET SEATS, OPEN FRONT: BEMIS MFG. CO., BENEKE CORP., FORBES-WRIGHT INDUSTRIES, INC., CHURCH PRODUCTS, OLSONITE CORP., OLSONITE SEATS. ELECTRIC WATER COOLERS AND OR DRINKING FOUNTAINS: ELKAY MFG. CO., HAWS, HALSEY TAYLOR *
- h. VALVES: NIBCO, KITZ * FLOOR DRAINS, AND CLEANOUTS: ZURN INDUSTRIES, INC., JOSAM * MFG. CO. PIPE, WATTS, JAY R SMITH ROOF AND OVERFLOW DRAINS: ZURN INDUSTRIES, INC., JOSAM * MFG. CO. TYLER PIPE, WATTS, JAY R SMITH [COMBINATION ROOF/OVERFLOW DRAINS: THE USE OF FROET INDUSTRIES ROOF AND OVERFLOW
- THIS UNIT IS USED ON THE PROJECT.]
- WATER HEATERS, TANK TYPE AS BASED ON SCHEDULE REQUIREMENTS. CEI: LOCHINVAR, BRADFORD-
- LOCHINVAR, RINNAI, POWERSTREAM, RUUD/RHEEM
- o. WASHER MACHINE, ICE MAKER BOXES AND VALVES: SIOUX CHIEF, GUY GRAY BOX p. CIRCULATION PUMPS: GRUNFOS, TACO, ARMSTRONG MODULAR SHOWER STALLS: FIAT, CRANE, MUSTEE, LASCO
- . SAFETY EOUIPMENT: GUARDIAN EOUIPMENT, ENCON SAFETY s. PRODUCTS PIPE PENETRATION IN POURED CONCRETE SLAB: HYDROFLAME t. (UL FIRE TESTED) RAIN OR STORM WATER STORAGE SYSTEMS: JAY R SMITH
- 23. VITREOUS CHINA FIXTURES TO BE WHITE WITH ALL TRIM TO HAVE BRIGHT CHROME PLATED BRASS FINISH UNLESS NOTED OTHERWISE.
- 24. CONTRACTOR SHALL COORDINATE THE VOLTAGE, PHASE AND MINIMUM WIRE SIZE REQUIRED FOR WATER HEATERS AND PUMPS WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASING EQUIPMENT.
- 25. COLD WATER PIPING SHALL BE SCHEDULE 40 PVC UNDER GROUND, HOT AND COLD WATER DISTRIBUTION PIPING SHALL BE TYPE L COPPER OR CPVC ABOVE GRADE.
- 26. WATER DISTRIBUTION PIPING TO BE RUN IN SPACES ABOVE THE CEILING UNLESS OTHERWISE NOTED. CONTRACTOR SHALL RECEIVE WRITTEN PERMISSION TO INSTALL DISTRIBUTION PIPING UNDER SLAB PRIOR TO INSTALLATION. WHEN ALLOWED, UNDERSLAB DISTRIBUTION PIPING TO BE MINIMUM TYPE 'L' COPPER WITH BRAZED JOINTS. PENETRATIONS THROUGH SLAB TO BE SLEEVED.

27. CONNECT WATER MAIN TO VALVE OR STUB PROVIDED BY SITE UTILITY CONTRACTOR. PROVIDE FOR

- CHLORINATION OF FINAL WATER CONNECTION.
- 28. PROVIDE MAIN SHUTOFF VALVE, RUBBER FACED CHECK VALVE, VACUUM BREAKER AND HOSE BIBB ON COLD WATER MAIN ENTERING THE BUILDING.
- 29. ALL MAIN VALVES ARE TO BE BRASS, FULL PORTED BALL VALVES.
- VALVES SHALL BE NUMBERED AND TAGGED. PROVIDE TYPEWRITTEN CHART INDICATING EACH VLAVE NUMBER AND LOCATION, LAMINATED IN CLEAR PLASTIC COVER AND POSTED IN THE EQUIPMENT ROOM.
- 30. ALL HOSE BIBBS ARE TO BE EQUIPPED WITH VACUUM BREAKER AND INDIVIDUAL SHUT OFF VALVE. ONE OR TWO FAMILY RESIDENTIAL UNITS ARE NOT REQUIRED TO HAVE AN INDIVIDUAL FIXTURE SHUT OFF VALVE SERVICING THE HOSE BIBB.
- 31. IF A WATER HEATER IS SPECIFIED, INSTALL GALVANIZED STEEL WATER HEATER DRAIN PAN, MINIMUM OF 1" DEEP AND OF ADEQUATE SIZE WITH 3/4" PIPING TO ADJACENT MOP SINK, WASTE RECEPTACLE OR EXTERIOR OF BUILDING AS INDICATED ON PLANS. NOT APPLICABLE FOR HEATERS INSTALLED IN GARAGES OR THE EXTERIOR OF THE BUILDING, UNLESS NOTED OTHERWISE.
- 32. INSULATE ALL HOT WATER AND HOT WATER RECIRCULATING LINES WITH A MINIMUM 3/4" ARMAFLEX OR EOUAL INSULATION. INSULATION COLOR SHALL BE BLACK WHERE CONCEALED AND WHITE WHER EXPOSED
- 33. INSULATE ALL EXPOSED DISTRIBUTION PIPING UNDER LAVATORIES AND SINKS.

PLUMBING FIXTURE SCHEDULE

- 34. PROVIDE STOP OR ANGLE VALVE ON EACH WATER CONNECTION TO EACH PLUMBING FIXTURE. 35. PROVIDE SHOCK ABSORBER TO PREVENT WATER HAMMER FOR EACH FIXTURE THAT HAS A QUICK CLOSING VALVE ASSEMBLY. SIZE OF SHOCK ARRESTORS TO BE PER P.D.I. RECOMMENDATIONS.
- PROVIDE ACCESS PANEL ABOVE HARD CEILINGS FOR ACCESS TO WATER HAMMER ARRESTORS WHERE REQUIRED.

36. ALL DRAIN, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 P.V.C.

37. RAIN WATER LEADER SYSTEMS PIPING TO BE SCHEDULE 40 PVC. RAIN WATER LEADERS WITHIN BUILDING STRUCTURE TO BE INSULATED WITH MINIMUM 1-1/2" INSULATION FOR SOUND.

VENTS THROUGH ROOF WITHOUT PRIOR APPROVAL FROM THE ARCHITECT OF RECORD. VERIFY

EXACT PLACEMENT OF VENTS THROUGH ROOF WITH ARCHITECT PRIOR TO INSTALLATION.

- 38. PROVIDE A TWO-WAY CLEANOUT AT THE BUILDING DRAIN 18" FROM THE ENTRANCE OF THE CONFIDENTIAL COPYRIGHT 2014 SCHENKEL & SHULTZ INC.
- SANITARY LINE TO THE BUILDING. 39. PROVIDE AT LEAST ONE 3" MAIN VENT THROUGH ROOF IN BUILDING. DO NOT ADD ADDITIONAL
- 40. THIS CONTRACTOR IS RESPONSIBLE FOR ALL HVAC CONDENSATE DRAINS INCLUDING PIPING, INSULATION THEREOF AND DRYWELLS OR RECEPTORS. INSULATE ALL HVAC CONDENSATE LINES ABOVE SLAB WITH MINIMUM OF 3/4" FLEXIBLE FOAM INSULATION EQUAL TO ARMAFLEX. CONDENSATE LINES UNDERGROUND AND UNDERSLAB ARE TO BE A MINIMUM OF 2" IN SIZE UNLESS NOTED OTHERWISE. DRYWELLS ARE TO BE EQUIPPED WITH OVERFLOW DRAIN
- 41. PROVIDE CLEANOUTS AT EACH STACK RISER, AT EACH 90° CHANGE IN HORIZONTAL DIRECTION, AND AT EACH EXIT FROM BUILDING, IN ADDITION TO ALL LOCATIONS AS REQUIRED BY
- 42. CONTRACTOR SHALL ACQUIRE A SET OF THE LATEST COLLIER COUNTY VERTICAL STANDARDS PACKAGE FOR CONSTRUCTION FROM THE COUNTY CONSTRUCTION MANAGER. INSTALL PLUMBING SYSTEM IN STRICT ACCORDANCE WITH COLLIER COUNTY VERTICAL STANDARDS FOR CONSTRUCTION. WHERE DISCREPANCIES BETEWEEN PLANS AND STANDARDS EXIST, NOTIFY
- 44. VALVES SHALL BE NUMBERED AND TAGGED. PROVIDE TYPEWRITTEN CHART INDICATING EACH VALVE NUMBER AND LOCATION, LAMINATED IN CLEAR PLATIC COVER AND POSTED IN THE EOUIPMENT ROOM.
- GAS COMPANY PROVIDER. REFER TO EQUIPMENT AND/OR WATER HEATER SCHEDULES FOR FOR THE PROJECT. THE FINAL LAYOUT SHALL BE PROVIDED BY THE OUALIFIED INSTALLING PIPING MANUFACTUERES OF PRE-ENGINEERED SYSTEMS SHALL BE LIMITED TO TRACPIPE, WARDFEX OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE SIZED PLANS WITH ALL REQUIRED REGULATORS, VALVES AND PIPING SUPORT FOR REVIEW BY THE ENGINEER OF RECORD
- 46. WHERE PVC PIPING IS INSTALLED AND MAY BE EXPOSED TO SUNLIGHT THE PIPING SHALL BE PROVIDED WITH UV PROTECTION. PROTECTION MAY BE PROVIDED AS A COATING OR A COVER.
- 47. WHERE PIPING IS RUN INSIDE OF A MECHANICAL PLENUM, THE ONLY ACCEPTABLE PIPING TYPES FOR PLUMBING SYSTEMS SHALL BE COPPER OR CAST IRON.

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Revision Schedule

MARK	FIXTURE TYPE	MAKE - MODEL MATERIAL ACCESSORIES		ACCESSORIES	REMARKS	TRAP	COLD	HOT	SANITARY	
L-1	LAVATORY/UNDERMOUNT	AMERICAN STANDARD - "OVALYN" 9482.000	VITREOUS CHINA	AMERICAN STANDARD METERING FAUCET 1340.227, PROVIDE WATTS LFUSG-B UNDER COUNTER MIXING VALVE TO LIMIT WATER TEMPERATURE TO 105°	1,4	1 1/4"	1/2"	1/2"	2"	
L-2	LAVATORY/A.D.A.	AMERICAN STANDARD - "DECLYN" 0321.075	VITREOUS CHINA	AMERICAN STANDARD METERING FAUCET 1340.227, PROVIDE WATTS LFUSG-B UNDER COUNTER MIXING VALVE TO LIMIT WATER TEMPERATURE TO 105°	1,4,5,6,8,9	1 1/4"	1/2"	1/2"	2"	
WC-1	WATER CLOSET - FLUSH VALVE/ WALL MOUNTED	AMERICAN STANDARD "AFWALLL" 3351.101	VITREOUS CHINA	PROVIDE WITH OPEN FRONT SEAT WITH STAINLESS STEEL CHECK HINGES, SLOAN ROYAL 110 MANUAL FLUSH VALVE	1,3	INTEGRAL	1"	-	3"	
WC-2	WATER CLOSET - FLUSH VALVE, A.D.A./WALL MOUNTED	AMERICAN STANDARD "AFWALLL" 3351.101	VITREOUS CHINA	PROVIDE WITH OPEN FRONT SEAT WITH STAINLESS STEEL CHECK HINGES, SLOAN ROYAL 110 MANUAL FLUSH VALVE	1,3,5	INTEGRAL	1"	-	3"	
UR	URINAL	AMERICAN STANDARD - "LYNBROOK" 6601.012	VITREOUS CHINA	PROVIDE WITH SLOAN ROYAL 186 MANUAL FLUSH VALVE AND WALL CARRIER	1,2,6,19	INTEGRAL	3/4"	-	2"	
EWC	ELECTRIC WATER COOLER	ELKAY LZSTLG8LC WALL MOUNT BARRIER FREE COOLER	STAINLESS STEEL	PROVIDE ELKAY #LKAPREZL CANE APRON	7,8	1 1/4"	1/2"	-	2"	
FD	FLOOR DRAIN	ZURN #ZN-415 TYPE S STRAINER, 7"X7" STRAINER	CI BODY, NB TOP	PROVIDE TRAP PRIMER FROM LAVATORY SINK TAILPIECE IN BATHROOMS ONLY	-	PVC	-	-	3"	
НВ	HOSE BIBB	WOODFORD MODEL 24 ANTI-SIPHON HOSE BIBB	BRASS VALVE BODY	METAL REMOVABLE T-HANDLE KEYS NO PLASTIC HANDLES	-	-	3/4"	-	-	
MS	MOP SINK	FIAT TERRAZO MOP BASIN TSBCR1100 WITH STAINLESS STEEL CAP ON THRESHOLD	MOLDED STONE	PROVIDE FIAT 830AA MOP SERVICE BASIN FITTING, 832AA HOSE AND BRACKET, 1239BB BUMPERGUARDS, MSG WALL GUARDS AND ZURN Z843M1-RC FAUCET	-	3"	1/2"	1/2"	3"	
RD	ROOF DRAIN	ZURN Z-100 15" DOME	CI BODY, NB TOP	-			-	-	LINE SI	
FS	FLOOR SINK (SQUARE)	ZURN #ZN-1900	CI BODY, NB TOP	12"X12" W/HALF GRATE, 6" SUMP. REFER TO PLANS FOR PIPE SIZE. MOUNT FLOOR SINK FLUSH TO FLOOR FOR USE AS FLOOR DRAIN IN ROOM.	-	-	-	-	LINE SI	

WHITE FIXTURE COLOR.

1.0 G.P.F.

1.6 G.P.F.

0.5 GAL/ MIN. MOUNT @ HANDICAP HT.

PROVIDE W/ WALL CARRIER SYSTEM BY ZURN SUITABLE FOR WALL TYPE AND MATCHING FIXTURE SIZE WHERE NEEDED. CARRIER TO BE FLOOR MOUNTED MODEL.

PROVIDE W/ CEILING ACCESS PANEL FOR SERVICE ACCESS TO HAMMER ARRESTOR

PROVIDE W/ A.D.A. COMPLIANT FIXTURE ASSEMBLY. PROVIDE W/ U/C TRAP GUARD & HOT & COLD WATER SUPPLY LINE GUARDS.

CONTRACTOR RESPONSIBLE FOR COORDINATION OF URINAL HEIGHT PER APPLICABLE ACCESSIBILITY CODES. WHERE RESTROOM CONTAINS A SINGLE URINAL, IT SHALL BE MOUNTED AT ACCESSIBLE HEIGHT. WHERE RESTROOM CONTAINS MULTIPLE URINALS, AT LEAST ONE SHALL BE MOUNTED AT ACCESSIBLE HEIGHT. COORDINATE ALL DETAILS WITH ARCHITECT.

GAS WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	INPUT (MBTUH)	RECOVERY @ 80F RISE (GPH)	THERMAL EFFICIENCY (%)	STORAGE TANK (GALLONS)	HEATER VENT	REMARKS		
GWH-1	A.O. SMITH	BTH-199	199	288	94%	100	3" PVC	1,2,3		
REMARKS										
1	NATURAL GAS FIRED WATER HEATER.									

2 PROVIDE WITH 5 GALLON THERMAL EXPANSION TANK.

PROVIDE WITH CIRCULATING PUMP CP-1 EQUAL TO BELL & GOSSETT "BRONZE FOX" NBF-33, 120-1-60, 125 WATTS, 15 GPM @ 7 FT. HEAD.

STATE OF

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY MARK A. BRANT, PE. ON THE DATE INDICATED BELOW USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND

THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

100% CONSTRUCTION DOCUMENTS 12-16-16

GENERAL NOTES - PLUMBING

NOT TO SCALE

————— SANITARY PIPE

VENT PIPE

STORM DRAINAGE PIPE

PIPE TEEING DOWN

ISOMETRIC

 \triangle

PIPE JUNCTION

CONTROL VALVE

BALL VALVE

CHECK VALVE

CIRCULATING PUMP

AIR ADMITTANCE VALVE

FLOOR DRAIN

FLOOR SINK

FUNNEL FLOOR DRAIN

CLEANOUT

WALL CLEANOUT

- GOOSENECK EOUAL TO THE CONDENSATE DRAIN SIZE.
- AUTHORITY HAVING JURISDICTION.
- ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.
- 43. ALL MAIN VALVES ARE TO BE BRASS FULL PORTED BALL VALVES.
- 45. GAS SERVICE, METERS, STORAGE TANKS AND OR PIPING SHALL BE PROVIDED AND SIZED BY THE LISTED BTUH RATINGS. THESE PLANS REFLECT GENERAL ROUTING AND SIZING OF GAS PIPING CONTRACTOR UNDER A SEPARATE PERMIT THAT MEETS THE LATEST EDITION OF THE GAS CODE.
- PRIOR TO INSTALLATION.

comm no.: drawn checked: Checker

Description

CATHOLIC CHURCH NEW PARISH CENTER

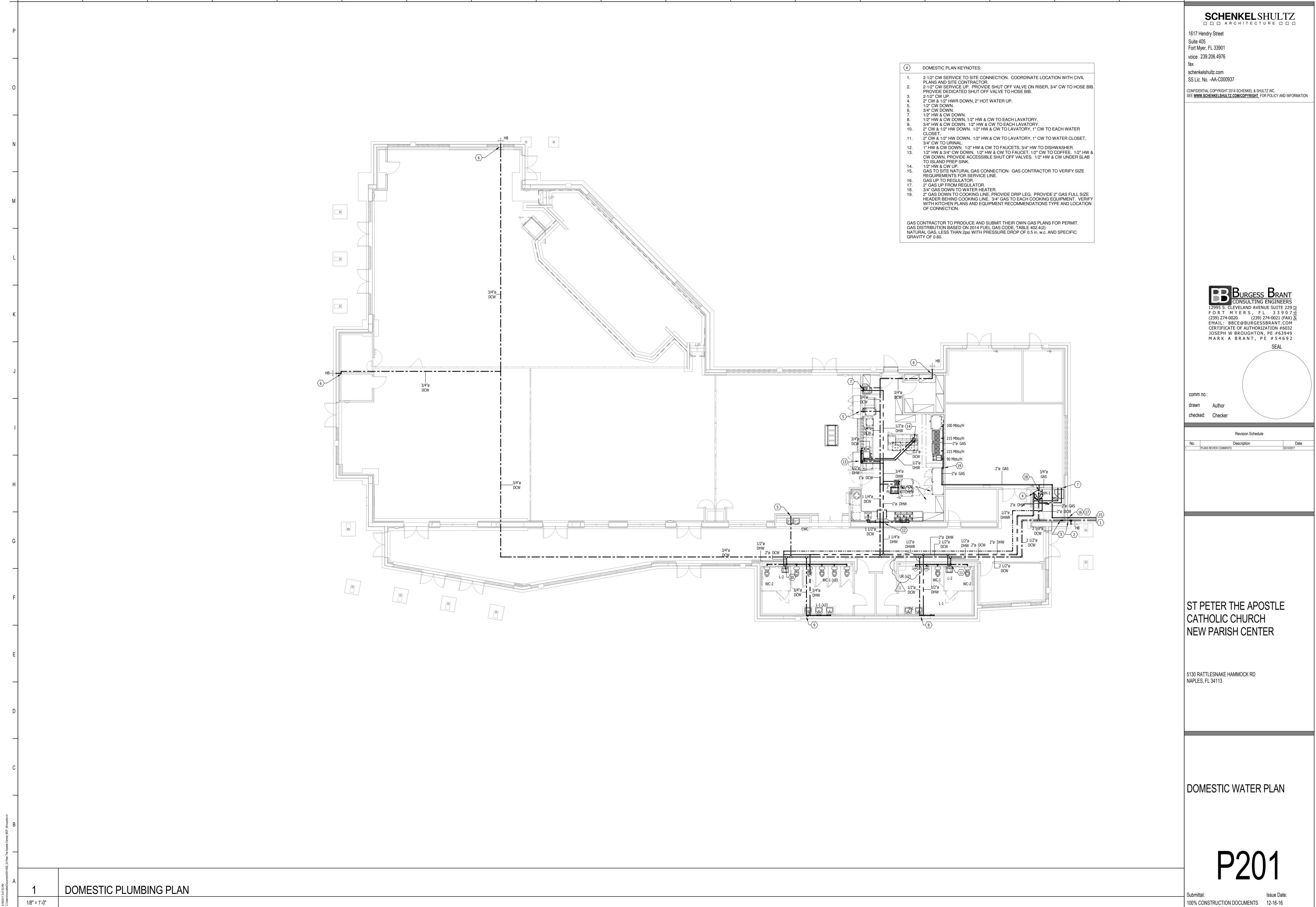
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PLUMBING NOTES,

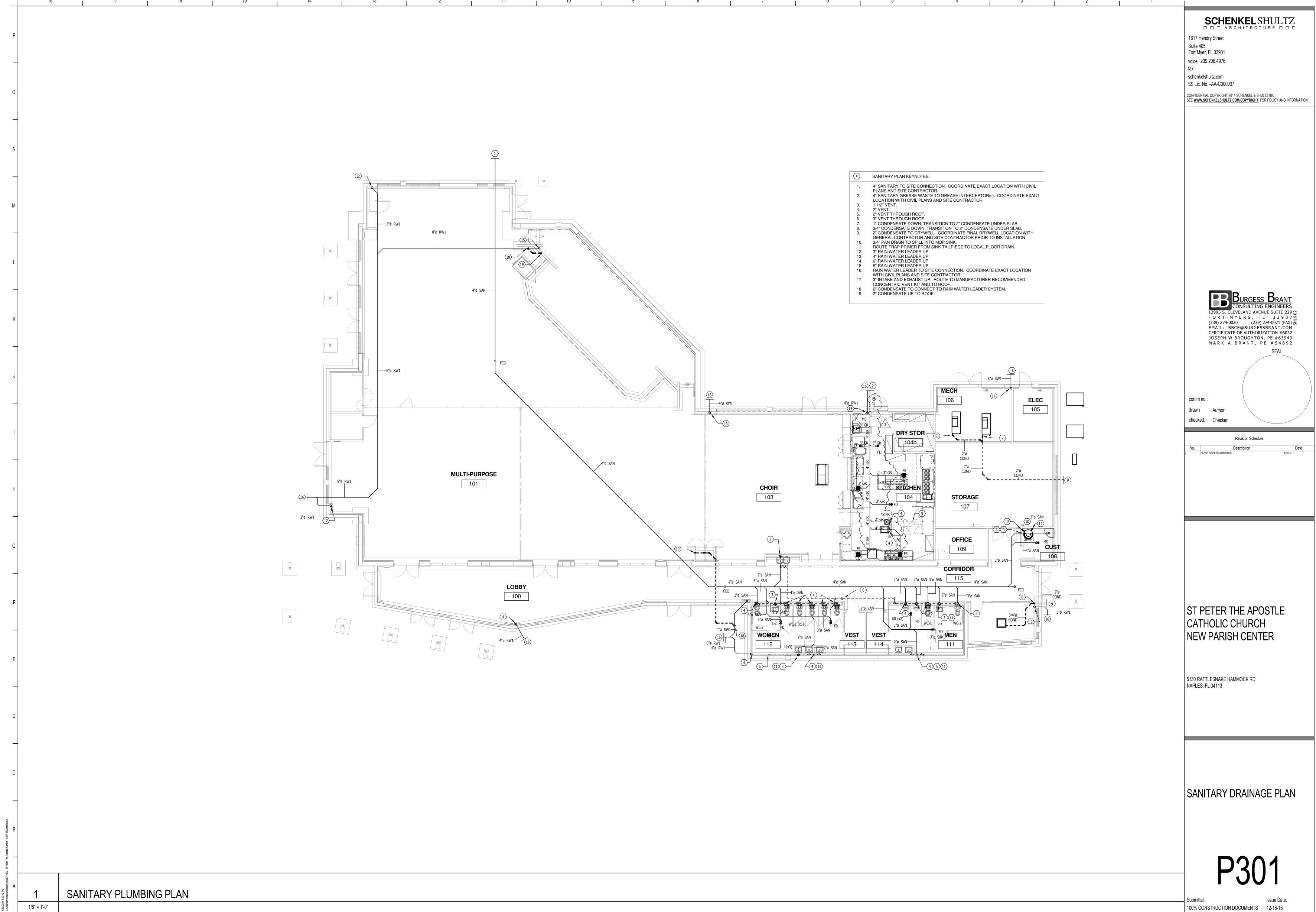
SCHEDULES, & DETAILS

5130 RATTLESNAKE HAMMOCK RD

NAPLES, FL 34113



ASED FOR CONSTRUCTION



R CONSTRUCTION

