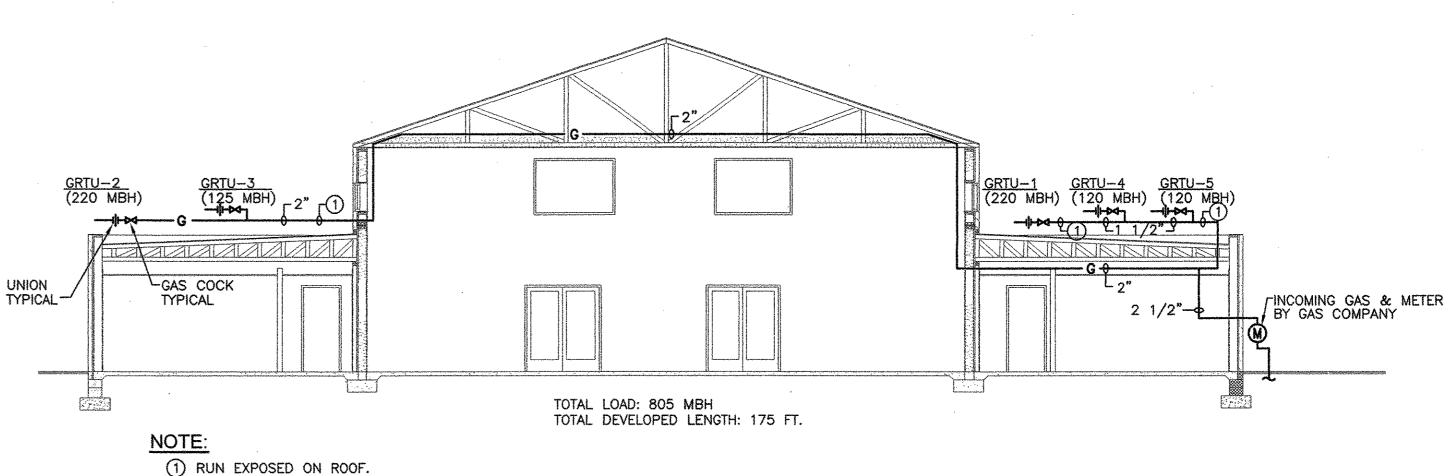
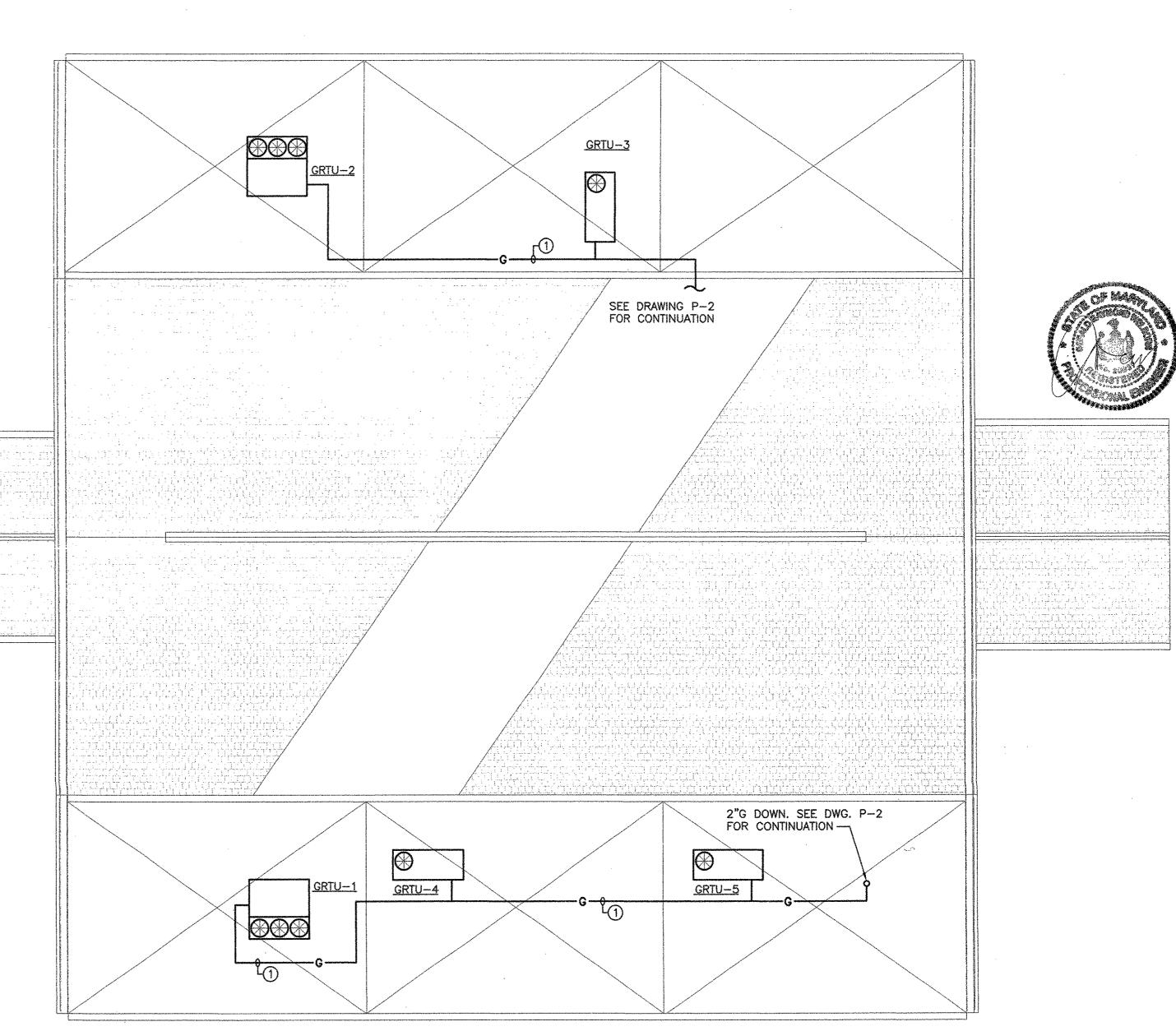
## PLUMBING FIXTURE AND EQUIPMENT SPECIFICATIONS FIRE PROTECTION NOTES PLUMBING LEGEND **PLUMBING NOTES** CW COLD WATER P-1 ADA ALL PIPING SHALL BE PROVIDED WITH SECTIONAL SHUT-OFF VALVES AND ACCESS PANEL FOR ALL HIDDEN VALVES. PROVIDE ISOLATION VALVES FOR ALL PLUMBING 1. SPRINKLER CONTRACTOR SHALL DESIGN AND CONSTRUCT NEW SPRINKLER SYSTEM IN ELECTRIC WATER HEATER ORDER TO PROVIDE HYDRAULICALLY DESIGNED WET PIPE SYSTEM FOR THE BUILDING WATER CLOSET: AMERICAN STANDARD - CHAMPION RIGHT HEIGHT, 2002.014, WHITE, IN ACCORDANCE WITH NFPA 13 AND THE REQUIREMENTS OF LOCAL JURISDICTION, FIXTURES. ELECTRIC WATER COOLERS FLOOR MOUNTED, ELONGATED BOWL, PROVIDE CHROME PLATED BRASS ANGLE STOP AND THE BASE BUILDING SPECIFICATIONS. 2. USE ONLY LEAD FREE SOLDER. VALVES, SUPPLY PIPES. FLOOR DRAIN 3. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTS, LEAKS, LACK OF PROPER 2. DESIGN OF THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE LOCAL JURISDICTION NATURAL GAS SEAT: CHURCH 295C, OPEN FRONT SEAT AND CHECK HINGE, WHITE SYSTEM PERFORMANCE OR NON-OPERATION FOR A PERIOD OF ONE YEAR AFTER FIRE MARSHAL'S OFFICE FOR APPROVAL. WASTE PIPING DATED OF FINAL ACCEPTANCE OF WORK BY OWNER. P-2 ADA SPRINKLER PIPING AND THE HEADS SHALL COMPLY WITH THE REQUIREMENTS OF THE WALL HYDRANT 4. ALL WORK SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION. BASE BUILDING. URINAL: AMERICAN STANDARD - WASHBROOK FLOWISE, 0.125 GPF ULTRA HIGH UNDER FLOOR 4. INSTALLATION OF THE SPRINKLER PIPING AND HEADS SHALL BE COORDINATED WITH NEW CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS ASSOCIATED WITH THIS EFFICIENCY PINT URINAL SYSTEM. 6590.525 WITH SELECTRONIC FLUSH VALVE, WHITE. DUCTWORK, PIPING, MECHANICAL EQUIPMENT, CEILING TILES, LIGHTING FIXTURES, TRAP PRIMER LINE PROJECT. UPON COMPLETION OF WORK, PRESENT OWNER WITH THE LOCAL DIFFUSERS AND STRUCTURAL MEMBERS. EXISTING SPRINKLER PIPING IN CONFLICT WITH P-3 ADA AUTHORITY'S CERTIFICATE OF FINAL INSPECTION. VENT THROUGH ROOF THE NEW DUCTWORK. PIPING. MECHANICAL EQUIPMENT. CEILING TILES, LIGHTING FIXTURES AND DIFFUSERS SHALL BE RELOCATED AS REQUIRED. 6. ALL EXPOSED PIPING TO FIXTURES SHALL BE HEAVILY CHROME-PLATED. LAVATORY: AMERICAN STANDARD - CADET, 0427.444SG, 19" DIAMETER, CENTERSET HOLES, SPRINKLER CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO MAKE FINAL CONNECTIONS AFTER THE FIXTURES AND EQUIPMENT ARE SET IN BIDDING. UPON COMPLETION OF THE TENANT SPACE BUT PRIOR TO THE FINAL PAYMENT. PLACE. ALL REQUIRED TRIM, FAUCETS AND MINOR ITEMS NECESSARY FOR A THE SPRINKLER CONTRACTOR SHALL PROVIDE THE OWNER A MYLAR REPRODUCIBLE AND FAUCET: AMERICAN STANDARD - RELIANT 3, 7385.003, SINGLE CONTROL, CENTER SET, COMPLETE FUNCTIONING INSTALLATION, SUCH AS STRAINERS, TRAPS, TAILPIECES, THE BUILDING OWNER A BLUE LINE SET OF FINAL APPROVED SPRINKLER DRAWINGS. POLISHED CHROME, GRID DRAIN. PROVIDE CHROME PLATED BRASS ANGLE STOP VALVES, ESCUTCHEONS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR SUPPLY PIPES, 1-1/2" P-TRAP AND ESCUTHEON, TRUEBRO HANDI LAV GUARD 6. SPRINKLER SYSTEM IN ANY ADJACENT TO THE PROJECT AREA AFFECTED BY THE IN ACCORDANCE WITH EQUIPMENT REQUIREMENTS. ALL FAUCETS TO BE HEAVILY INSULATION FOR EXPOSED PIPING OR APPROVED EQUAL. PROVIDE THERMOSTATIC MIXING MODIFICATIONS TO THE SPRINKLER SYSTEM IN THE PROJECT AREA SHALL ALSO BE CHROME-PLATED. MODIFIED IN ORDER TO MAINTAIN COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13. DOMESTIC HOT WATER/COLD WATER PIPING SHALL BE TYPE "L" SEAMLESS 7. AT THE CONCLUSION OF WORK CONTRACTOR SHALL TEST THE SPRINKLER SYSTEM FOR 2 P-4 ADA COPPER TUBING, ASTM B 88, WITH LEAD-FREE BRAZED WROUGHT COPPER HOURS AT 200 PSI PER NFPA REQUIREMENTS. WATER COOLER: HALSEY TAYLOR - OLV-2, SER-Q, BI-LEVEL, STAINLESS STEEL. 8. SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILE. SANITARY WASTE AND VENT PIPE SHALL BE NO-HUB SERVICE PVC IRON P-5 PIPE AND FITTINGS IN ACCORDANCE WITH CISPI 301 AND ASME B16.4., OR SOLDER JOINED COPPER TUBING, ASTM B306, WITH WROUGHT COPPER SERVICE SINK: FIAT - FL-1 FLOOR MOUNTED. DRAINAGE FITTINGS, ASME B16.29. FAUCET: FIAT - A-1 MISCELLANEOUS EQUIPMENT SCHEDULE 10. HANGERS SHALL BE OF SIMILAR MATERIAL AS PIPING TO AVOID GALVANIC ACTION IN ACCORDANCE WITH MSS-SP-69. AND LOCATED AT INTERVALS NOT TO EXCEED P-6 ADA ELECTRICAL WATER HEATER - 1 (EWH-1): EQUAL TO EEMAX INSTANTANEOUS WATER 6'-0" O.C. WHERE "HUBLESS" PIPE IS BEING USED, PROVIDE HANGERS ON EITHER SIDE OF THE JOINTS AS RECOMMENDED BY CISPI BULLETIN 310. FOR INSULATED HEATER WITH 3.0KW CAPACITY AT 208V-10, MOUNT UNDER SINK. SINK: ELKAY - LUSTERTONE SINGLE BOWL SINK, LRAD2222, 19"L X 16"W X 5-1/2" PIPING, INSULATION SHALL EXTEND CONTINUOUSLY THRU HANGER WITH OUT DEEP BOWL, STAINLESS STEEL. ELECTRICAL WATER HEATER - 2 (EWH-2): 30 GALLON STORAGE TANK WITH 2.5 KW INTERRUPTION. PROVIDE SADDLE TO PROTECT INSULATION FROM COMPRESSION. ELEMENT AT 208V-10 EQUAL TO STATE PCE 30 WITH 5 YEAR WARRANTY. FAUCET: ELKAY - LK4102, SINGLE LEVER, LESS SPRAY, CHROME, PROVIDE CHROME SOIL, WASTE AND VENT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH CODE. PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES, 1-1/2" P-TRAP AND ESCUTCHEON. HORIZONTAL DRAINAGE PIPING SHALL SLOPE NOT LESS THAN 1/4" PER FOOT, ELECTRICAL WATER HEATER - 3 (EWH-3): 20 GALLON STORAGE TANK WITH 1.5 KW ELEMENT AT 120V-10 EQUAL TO STATE PCE 20 WITH 5 YEAR WARRANTY. UNLESS OTHERWISE INDICATED. DOMESTIC WATER SHALL BE SLOPED TO DRAIN POINTS AND HAVE WATER HAMMER ARRESTERS INSTALLED IN ACCORDANCE WITH PROVIDE DIELECTRIC HEAT TRAPS W/ WATER HEATERS. PDI STANDARD WH 201. FLOOR DRAIN: JOSAM - 5A SERIES, 1/2" TRAP PRIMER, ROUND NIKALOY SUPER FLOW ENTIRE HOT AND COLD DOMESTIC WATER PIPING SHALL BE INSULATED WITH STRAINER. FIBERGLASS SECTIONS, 1" THICK WITH ALL SERVICE JACKETS, IN ACCORDANCE WITH U.L. 723 AND NFPA 22, OR "ARMAFLEX" 2000 SELF-SEAL, 1/2" THICK. FOR EXPOSED PIPING AT ADA ACCESSIBLE SINKS, PROVIDE INSULATION TO INCLUDE DRAIN PER ADA STANDARD. 13. TEST HOT AND COLD WATER PIPING HYDROSTATIC ALLY AT PRESSURE OF 100 P.S.I. FOR A PERIOD OF (4) HOURS WITHOUT EVIDENCE OF PRESSURE LOSS. UNION TYPICAL 14. TEST PIPING PRIOR TO INSTALLATION OF PIPE INSULATION. REMAKE ANY LEAKING JOINTS AND RETEST. "STOP LEAK" ADDITIVES SHALL NOT BE PERMITTED. 15. AFTER FINAL TESTING FOR LEAKS, ALL NEW POTABLE WATER LINES SHALL BE THOROUGHLY FLUSHED BY THE PLUMBING CONTRACTOR TO REMOVE FOREIGN MATERIAL. BEFORE PLACING THE SYSTEM IN SERVICE, CONTRACTOR SHALL ENGAGE A QUALIFIED SERVICE ORGANIZATION TO STERILIZE THE NEW WATER LINES IN ACCORDANCE WITH APPLICABLE REGULATIONS. A CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED TO THE OWNER. SUBMIT OPERATING AND MAINTENANCE MANUALS AND WARRANTY CERTIFICATES TO OWNER. VACUUM RELIEF ----CIRCULATING \_\_\_\_\_ AQUASTAT-- A.S.M.E. APPROVED TEMPERATURE AND A.S.M.E. APPROVED TEMPERATURE AND PRESSURE RELIEF VACUUM RELIEF ---PRESSURE RELIEF COLD WATER SUPPLY -COLD WATER SUPPLY -SHUTOFF VALVE-FLOW SWITCH (CONNECT TO F.A. SYSTEM) SHUTOFF VALVE-Ø--- CHECK VALVE HOT WATER SUPPLY ----HOT WATER SUPPLY ---4" BACKFLOW PERVENTER PER WSSC CODE REQUIREMENTS 7 WATER HEATER CIRCULATING PUMP HEATER FIRE DEPARTMENT - 4" FLANGED CONNECTION FOR CONTINUATION BY SPRINKLER CONTRACTOR MONITOR DEVICE AND **FLOOR** — GALVANIZED DRAIN PAN WATER ENTRANCE DIAGRAM NO SCALE ∭3"VTR SANITARY/VENT FLOW DIAGRAM NO SCALE P-3B 1"CW LINE TO BAPTISING UNIT (BY OWNER) **FLOOR** INCOMING 2" COLD WATER (1) TRAP PRIMER UNDERCOUNTER AND 1/2" TP LINE TO 3"FD. ② P & T VALVE. PIPE DISCHARGE TO P-5 SERVICE SINK. 3 P & T VALVE. PIPE DISCHARGE TO O.S.D. DOMESTIC WATER FLOW DIAGRAM NO SCALE

PLUMBING FIXTURE SCHEDULE VENT CW TOILET P-2 URINAL 1-1/2" 3/4" P-3 LAVATORY 1-1/2" 1/2" 1/2" SERVICE SINK 1-1/2" P-5 1/2" 1/2" 1/2" COUNTER SINK 1-1/2" 1-1/2" FLOOR DRAIN



NATURAL GAS PIPING DIAGRAM NO SCALE



NOTE:

① EXPOSED GAS LINE ON ROOF. MOUNT ON PRESSURE TREATED WOOD BLOCKING.

ROOF PLAN - PLUMBING
SCALE:1/8"=1'-0"

Revisions: Do



PROFESSIONAL CERTIFICATION: I CERTIFY
THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A
DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF
MARYLAND, LICENSE NO. 20837,
EXPIRATION DATE
MAY 18, 2011

Certification:

WIRACLE TEMPLE ASSEMBLY OF GOD
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Date: OCTOBER 12, 2010
Scale: NONE
Drawn: CC

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Checked: *BK*File No. *F:IPROJ*I2010I10003

Drawing No.

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