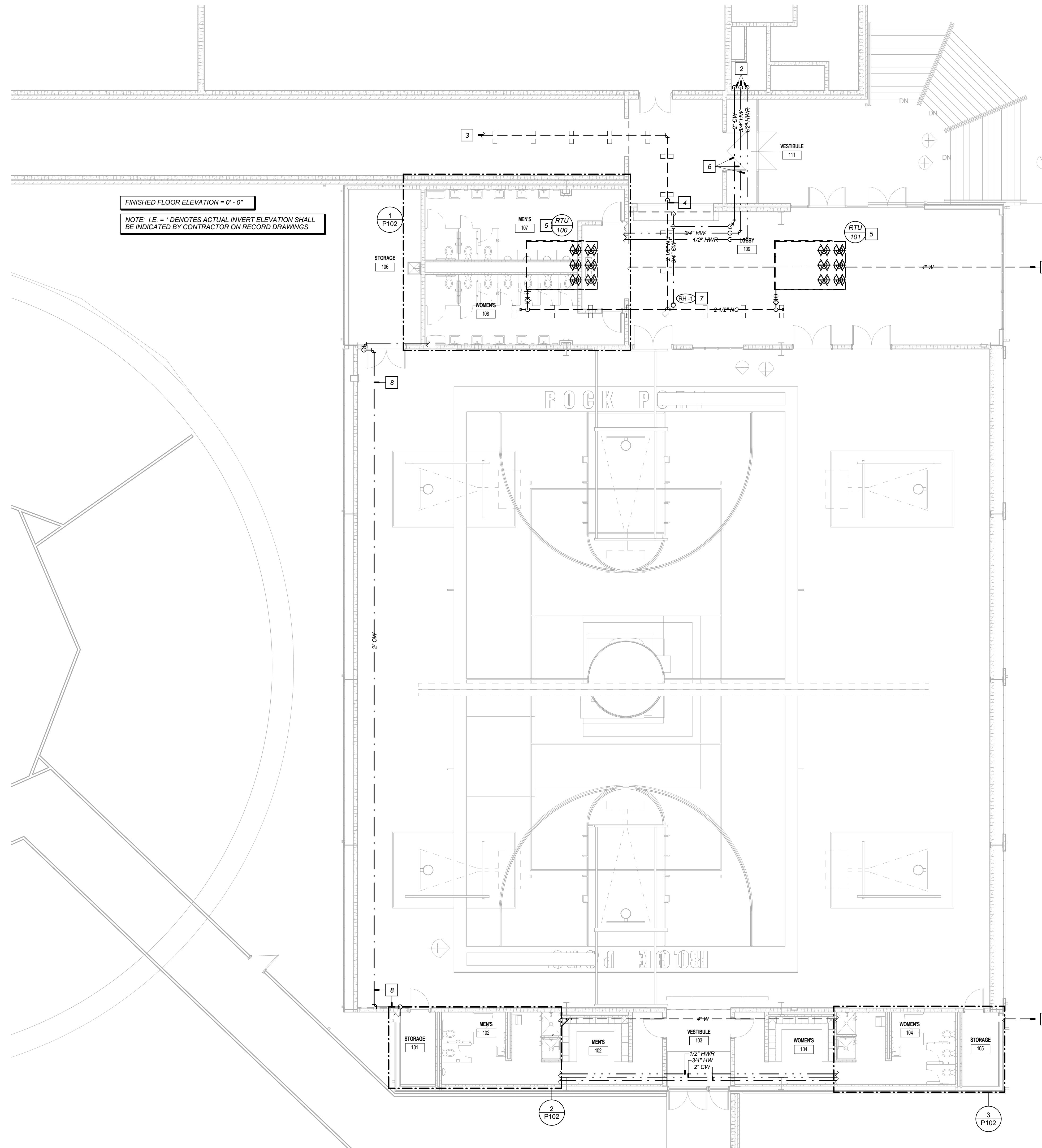


**PLUMBING SYMBOLS**

- NEW PIPING
- CW COLD WATER
- HW HOT WATER
- HW HOT WATER RECIRC.
- SANITARY VENT ABOVE GND./FLOOR ABOVE
- SANITARY VENT BELOW FLOOR
- SANITARY WASTE ABOVE GND./FLOOR ABOVE
- SANITARY WASTE BELOW GROUND
- NG NATURAL GAS
- PS PRIMARY STORM DRAIN
- ES EMERGENCY/SECONDARY STORM DRAIN
- SV SHUT OFF VALVE
- SC GAS SHUT-OFF COCK
- CV CHECK VALVE
- U UNION
- PD PIPE DROP/PIPE RISE
- BOT BOTTOM OUTLET TEE
- TO TOP OUTLET TEE
- HB HOSE BIBB
- WH WALL HYDRANT
- CO CLEAN OUT
- VTR SANITARY VENT THRU ROOF
- FD FLOOR DRAIN
- FFCO FINISHED FLOOR CLEANOUT
- PFD PLUMBING FIXTURE DESIGNATION

FINISHED FLOOR ELEVATION = 0' - 0"

NOTE: I.E. = DENOTES ACTUAL INVERT ELEVATION SHALL BE INDICATED BY CONTRACTOR ON RECORD DRAWINGS.



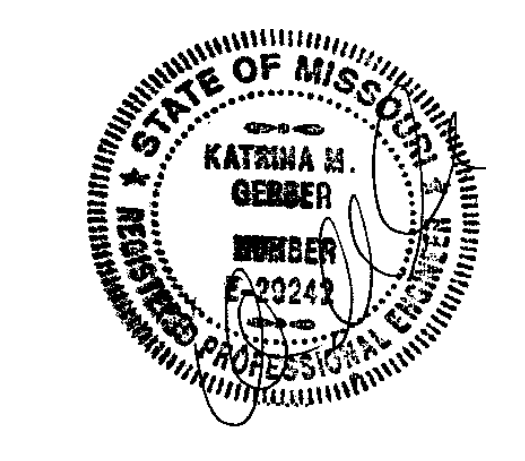
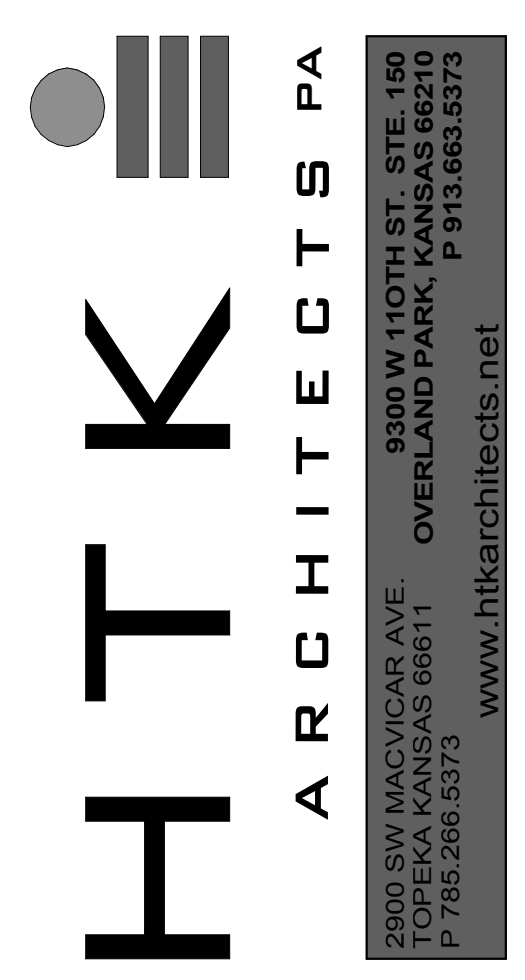
**1 ENTRY LEVEL FLOOR PLAN-PLUMBING NEW WORK**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- A) CONTRACTORS AND SUBCONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CAN NOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B) COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENT OF OWNER AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C) DRAWINGS FOR HVAC AND PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWING FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, PIPING, CONNECTIONS, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY FOR COMPLETE SYSTEMS.
- D) ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, IBC, IMC, IPC, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- E) CUTTING AND PATCHING OF FLOORS, WALLS, CEILING, ETC., REQUIRED IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ARCHITECT'S REQUIREMENTS.
- F) COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID ROUTING CONFLICTS.
- G) ALL MATERIALS EXPOSED WITHIN DUCTS AND PLENUMS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH THE TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, UBC STANDARD B-1.
- H) WASTE/VENT PIPING LOCATED ABOVE CEILING SHALL BE CAST IRON AS SPECIFIED. NO PVC PIPING ABOVE GRADE IS ALLOWED.

**FLOOR PLAN NOTES**

- 1 SEE CIVIL SITE PLAN FOR CONTINUATION.
- 2 ROUTE TO EXISTING COLD WATER, HOT WATER, AND HOT WATER RECIRCULATING SERVICES LOCATED IN BASEMENT.
- 3 ROUTE 2-1/2" NATURAL GAS LINE TO EXISTING GAS LINE LOCATED ON ROOF (APPROXIMATELY 20'). INSTALL GAS PRESSURE REGULATOR, ROUTE GAS PIPING ALONG ROOF. PROVIDE PIPE SUPPORT EVERY 6'-0" OR AS RECOMMENDED BY SUPPORT MANUFACTURER. SUPPORT SHALL BE EQUAL TO COOPER B-LINE DBR ADJUSTABLE HEIGHT SERIES WITH 2 THREADED ROD RISERS AND PIPE ROLLER. PROVIDE FLANGED UNIONS EVERY 30'-0" ON CENTER FOR REMOVAL OF PIPE.
- 4 ROUTE GAS PIPE DOWN TIGHT TO PARAPET WALL. PROVIDE SUPPORTS AS NECESSARY AND COVER PIPE WITH ALUMINUM ENCLOSURE SIMILAR TO ARSCO MODEL NO. PCVMM WITH CONCEALED HANGERS AND CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
- 5 NEW GAS FIRED ROOFTOP UNIT. INSTALL PER DETAIL. MAKE GAS CONNECTION WITH GAS COCK AND UNION PER DETAIL. ROUTE CONDENSATE ALONG ROOF AND TERMINATE AT NEAREST ROOF DRAIN. PROVIDE SLOPE AND SUPPORT AS NECESSARY.
- 6 REMOVE AND REPLACE EXISTING CEILING AS REQUIRED FOR INSTALLATION OF NEW PIPING. REPAIR CEILING PER ARCHITECTURAL STANDARDS.
- 7 ROOF HYDRANT. PROVIDE HOEPTNER PERFECTED PRODUCTS - FREEZE FLOW ROOF HYDRANT MODEL NO. 2131R. ROOF HYDRANT SHALL NOT REQUIRE A DRAIN LINE FOR FROST PROTECTION. HYDRANT SHALL DRAIN INTO AN INTEGRAL STAINLESS STEEL CANISTER, BELOW THE ROOF LINE, TO PREVENT FREEZING. PROVIDE WITH 101# BACKFLOW PREVENTER, REMOVABLE WAGON WHEEL TURN HANDLE WITH LOCK SHIELD, SELF ADJUSTING SOLID BRASS OPERATING ROD THAT SEALS ON AN EASILY REPLACEABLE O-RING.
- 8 ROUTE PIPING AS HIGH AS POSSIBLE TIGHT TO STRUCTURE ABOVE.



DATE: SEPTEMBER 2, 2014  
REVISED DATE:

**ROCK PORT R-2 - HIGH SCHOOL GYMNASIUM ADDITION**  
ROCK PORT R-2 SCHOOLS  
ROCK PORT R-2 - ROCK PORT HIGH SCHOOL - 600 S. NEBRASKA ST., ROCK PORT, MO

SHEET CONTENTS:  
FLOOR PLAN - PLUMBING

HTK PROJECT NUMBER:  
1307.04-02

SHEET NUMBER:  
**P101**

NOT FOR CONSTRUCTION

