WESTSIDE ENGINEERING
WE # 18083
5525 Interstate North Pkwy
Suite 200
Atlanta, GA 30328
404-965-1287 tel
404-601-9859 fax
sealings@westsideengineering.com

PEACOCK ARCHITECTS
5 INTERSTATE NORTH PKWY
ANTA GEORGIA 30328
214 - 5200 PHONE
214 - 5208 FAX

SPECIFICATIONS

SECTION 220100 - PLUMBING GENERAL:

A. GENERAL

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE PLUMBING SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.
2. DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED.
3. ALL REQUIRED PERMITS & INSPECTIONS SHALL BE SECURED & PAID FOR UNDER THIS CONTRACT. INSPECTION CERTIFICATIONS SHALL BE PROVIDED TO THE OWNER.

C. IDENTIFICATION

1. PERMANENT BAKELITE TAGS WITH 1" TALL LETTERS SHALL BE PROVIDED FOR ALL EQUIPMENT. EQUIPMENT NUMBERS SHALL MATCH BUILDING STANDARDS.

D. STARTERS

1. ALL MOTORS SHALL BE PROVIDED WITH MAGNETIC MOTOR STARTERS WITH OVERLOAD PROTECTION.
2. STARTERS SHALL BE PROVIDED WITH HAND-OFF-AUTO SWITCHES.
3. INDOOR MOTOR STARTERS SHALL BE FURNISHED WITHIN A NEMA 1 ENCLOSURE.
4. OUTDOOR MOTOR STARTERS SHALL BE FURNISHED WITHIN A NEMA 3R ENCLOSURE.

E. SUBMITTALS & SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS & PRODUCT DATA FOR ALL PLUMBING EQUIPMENT & SYSTEMS TO BE PROVIDED AND/OR INSTALLED.

F. SUBSTITUTE MANUFACTURERS

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION & COST OF ALL CHANGES REQUIRED FOR INSTALLATION OF EQUIPMENT & PRODUCTS MANUFACTURED BY THOSE OTHER THAN WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS.
2. CAREFULLY COORDINATE SUBSTITUTE MANUFACTURER'S INSTALLATION REQUIREMENTS WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO STRUCTURE, ELECTRICAL, PLUMBING AND ARCHITECTURAL. ALL INSTALLATION COSTS ASSOCIATED TO INSTALLATION OF SUBSTITUTE MANUFACTURER SHALL BE INCLUDED IN BID. NO ALLOWANCES SHALL BE GIVEN FOR CHANGES ASSOCIATED WITH INSTALLATION OF SUBSTITUTE EQUIPMENT & SYSTEMS.
3. [illegible] OF A MANUFACTURER OR AN "EQUAL" DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY OF COORDINATION & COST ASSOCIATED WITH CHANGES REQUIRED TO OTHER TRADES.

G. WARRANTY

1. CONTRACTOR SHALL WARRANT ALL EQUIPMENT, MATERIALS AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR.
2. ALL HVAC COMPRESSORS SHALL BE WARRANTED FOR A PERIOD OF NOT LESS THAN 5 YEARS.

AS-BUILT DRAWAINGS

1. CONTRACTOR SHALL KEEP REDLINE SET OF DRAWINGS ON SITE DURING CONSTRUCTION TO UPDATE LOCATION OF ALL EQUIPMENT AND SYSTEMS AS THE CONSTRUCTION PROGRESSES. REDLINE SET OF DRAWINGS SHALL BE TURNED OVER TO OWNER AT COMPLETION OF CONSTRUCTION.

I. OPERATION & MAINTENANCE MANUALS

1. CONTRACTOR SHALL PROVIDE AN ELECTRONIC SET AND ONE (1) SET OF HARD COPIES OF INSTALLATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT & SYSTEMS PROVIDED UNDER THIS CONTRACT.

J. INSTRUCTION

1. CONTRACTOR SHALL THOROUGHLY INSTRUCT OWNER ON OPERATION AND RECOMMENDED MAINTENANCE PROCEDURES OF ALL INSTALLED EQUIPMENT & SYSTEMS.

SECTION 24000 PLUMBING SYSTEMS

A. ALL SANITARY PIPING SHALL BE SLOPED AT 1/8" PER FOOT.

B. SANITARY & STORM PIPING SHALL BE SCHEDULE 40 PVC BELOW GRADE.

C. SANITARY, STORM & VENT PIPING SHALL BE HUBLESS CAST IRON ABOVE GRADE.

D. DOMESTIC WATER & CONDENSATE PIPING SHALL BE TYPE L HARD COPPER WITH LEAD FREE SOLDERED JOINTS. CONDENSATE PIPING SHALL BE INSTALLED WITH DWV TYP FITTINGS.

E. ALL CONDENSATE, HOT & COLD WATER PIPING SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION WITH WHITE ALL SERVICE JACKET.

F. WATER HAMMER ARRESTORS SHALL BE PROVIDED & SIZED PER PDI GUIDELINES AT ALL QUICK CLOSING VALVES. ALL PIPING SHALL BE PRESSURE TESTED PRIOR TO CONCEALING OR INSULATING THE PIPING.

G. ALL PIPING SHALL BE CONCEALED WITHIN WALLS OR ABOVE CEILING.

H. PIPING INSTALLED ABOVE CEILING SHALL BE INSTALLED AS HIGH AS POSSIBLE.

I. ALL VALVES LOCATED ABOVE CEILING SHALL BE LOCATED WITHIN 1' OF ACCESS PANEL OR 1' ACCESSIBLE CEILING.

J. REFER TO ARCHITECTURAL FLOOR PLANS & ELEVATIONS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.

K. PLUMBING SYSTEMS SHALL NOT BE INSTALLED WITHIN OR PASSING THROUGH, ELECTRICAL CLOSETS, SWITCHGEAR ROOMS, TELEPHONE ROOMS, ELEVATOR EQUIPMENT ROOMS OR ABOVE ELECTRICAL PANELS.

L. INSTALL IDENTIFICATION MARKERS ON ALL PIPING SYSTEMS & VALVES THAT INCLUDE SERVICE TYPE & DIRECTION OF FLOW PER ASME A13.1.

M. ALL DOMESTIC WATER PIPING SYSTEMS SHALL BE FLUSHED & DISINFECTED. SYSTEMS SHALL BE FILLED WITH AN EVENLY DISTRIBUTED DOSE OF 50 TO 200 PPM CHLORINE. ALL FIXTURES & OUTLETS SHALL BE TESTED TO ENSURE EVEN DISTRIBUTION. AFTER 12 HOURS THE RESIDUAL CHLORINE SHALL BE TESTED. DISINFECTION PROCEDURE SHALL BE REPEATED UNTIL RESIDUAL CHLORINE LEVEL IS GREATER THAN 10 PPM AFTER SITTING UNDISTURBED FOR 12 HOURS. ONCE DISINFECTION PROCEDURE IS COMPLETE, SYSTEM SHALL BE THOROUGHLY FLUSHED WITH CLEAN WATER.

SECTION 21525 FIRE PROTECTION SYSTEMS

A. FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY A LICENSED FIRE PROTECTION CONTRACTOR.

B. FIRE PROTECTION SYSTEM SHALL CONFORM TO NFPA [illegible] AND ALL LOCAL CODE REQUIREMENTS.

C. FIRE PROTECTION SYSTEM DESIGN SHALL BE SUBJECT TO THE APPROVAL OF THE FIRE MARSHAL AND THE OWNER'S UNDERWRITER.

D. DOUBLE CHECK BACKFLOW PREVENTER SHALL BE WATTS 709 OR EQUAL.

E. PIPING 2" AND LARGER SHALL BE SCHEDULE 10 WITH ALL GROOVED VICTAULIC JOINTS.

F. PIPING SMALLER THAN 2" SHALL BE SCHEDULE 40 STEEL WITH THREADED JOINTS AND MALIABLE IRON FITTINGS.

G. USE OF LIGHTWALL PIPING SUCH AS "SCHEDULE 10" IS NOT ACCEPTABLE.

H. SPRINKLER HEADS LOCATED IN DRY-IN CEILINGS SHALL BE SEMI-RECESSED CHROME PLATED.

I. SPRINKLER HEADS LOCATED IN [illegible] CEILINGS SHALL BE FULLY RECESSED WITH COVER MATCHING THE COLOR OF THE CEILING.

AREAS WITH [illegible] CEILINGS SHALL HAVE UPRIGHT, BRASS HEADS.

FIRE PROTECTION SYSTEM SHALL BE TESTED PRIOR TO OWNER ACCEPTANCE.

RENOVATIONS
TO
THE FLOYD COUNTY JAIL
2526 NEW CALHOUN HIGHWAY N.E.
ROME, GEORGIA 30161

GEORGIA REGISTERED ARCHITECT NO. 19841 PROFESSIONAL JAMES DANIEL WRIGHT

DATE	REVISION

PROJECT NO:
420.03.01

DATE:
MAY 18, 2018

DRAWING TITLE:
SPECIFICATIONS - PLUMBING

P0.02

THIS DRAWING AND ANY REPRODUCTIONS ARE THE PROPERTY AND COPYRIGHT OF PEACOCK ARCHITECTS, INC. AND MAY NOT BE USED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PEACOCK ARCHITECTS, INC.

Order Plans @ WWW.LDLine.com