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ARCHITECTURE  
ENGINEERING  
STUDIES  
PLANNING  
INVESTIGATION  
EXPERT WITNESSES

J.D. PLAZA  
345 GAUSE  
BOULEVARD  
WEST  
SUDELL, LA

PLUMBING  
PLAN, RISER,  
AND  
NOTES

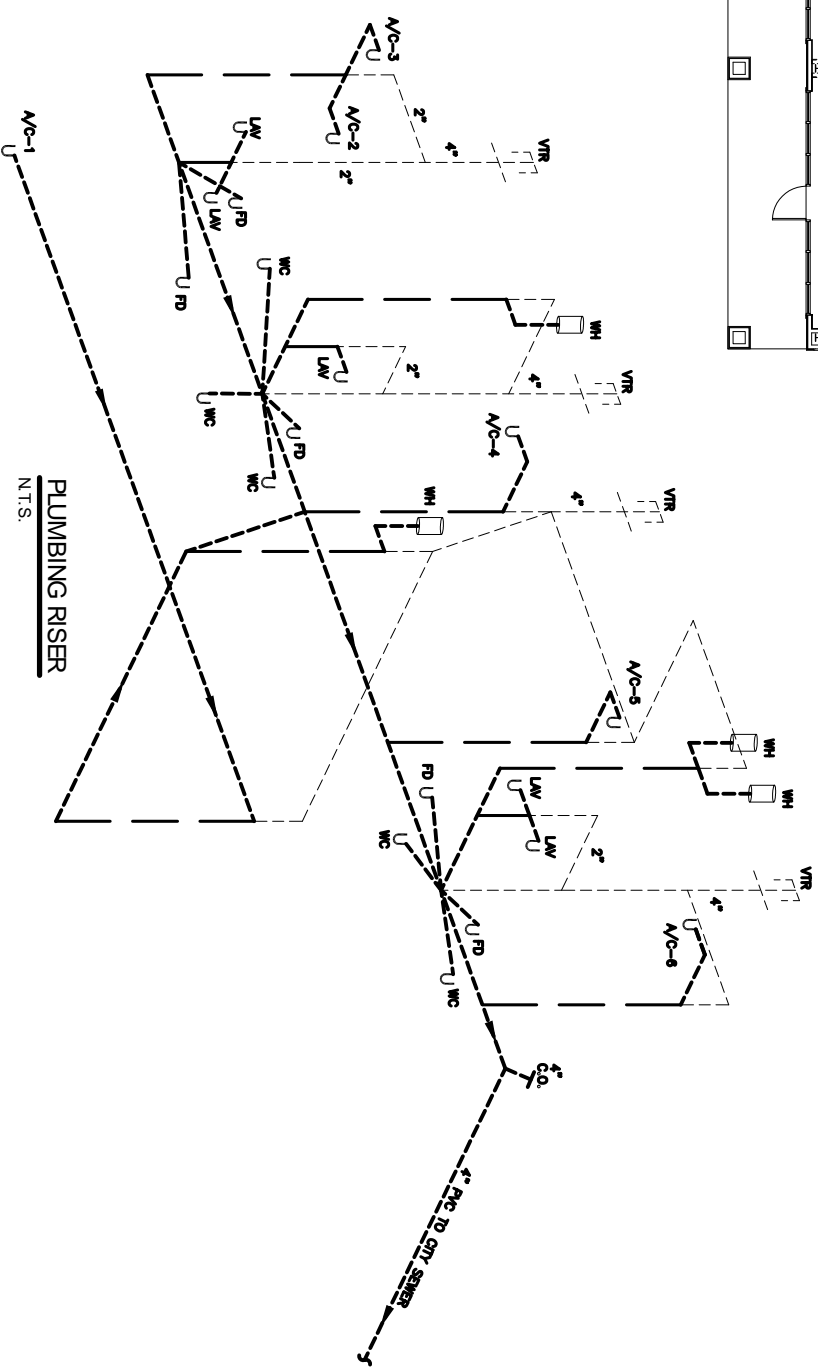
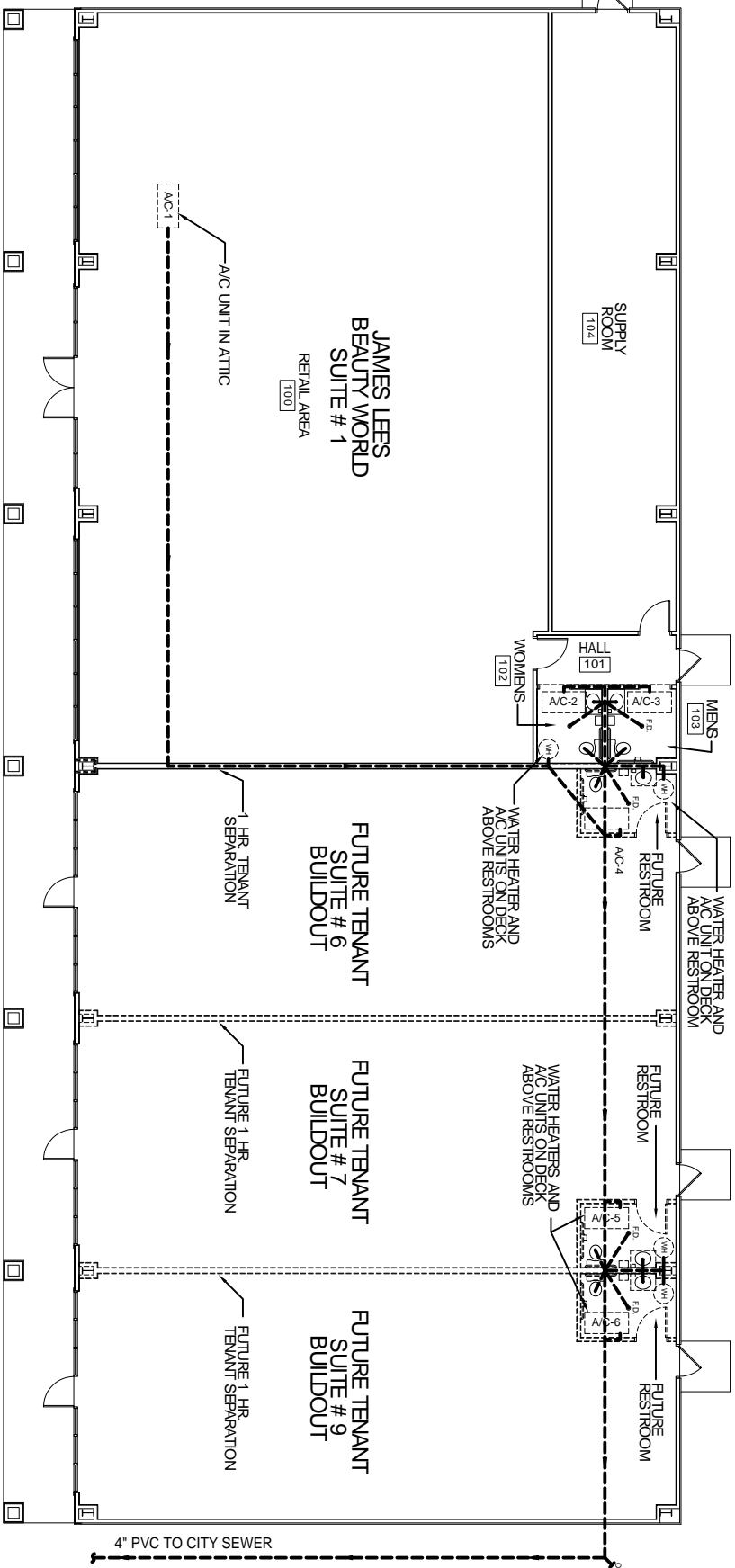
REV:

SCALE: AS NOTED  
JOB#: 2037  
DATE: 10-01-09  
SHEET 19

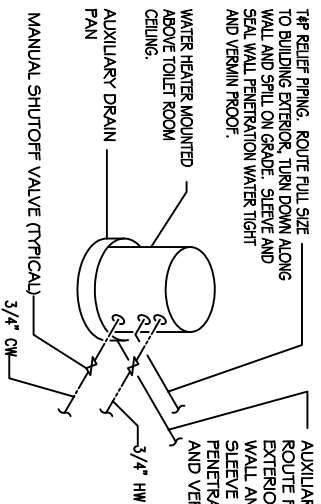
OF 19

**PLUMBING NOTES**

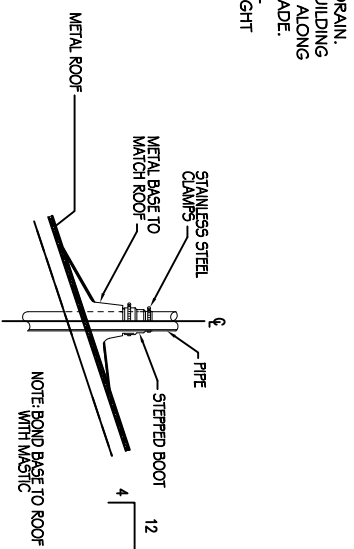
1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO COLUMN, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
2. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
3. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
4. SEWERAGE LINES 3'-INCH AND SMALLER SHALL BE SLOPED 1/8" PER FOOT AND LINE 4'-INCH AND LARGER SHALL BE 1/4" PER FOOT.
5. TEST ALL PIPING AT REQUIRED PRESSURE.
6. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
7. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
8. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
9. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
10. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE TYPE L HARD DRAWN WITH COPPER PRESSURE TIE FITTINGS, (ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
11. SOIL, WASTE VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
12. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JOCKEY.
13. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM E-814.)
14. ALL PLUMBING LINES SHOWN ARE DIAGRAMMATIC.



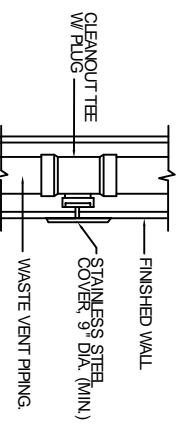
**WATER HEATER DETAIL**  
N.T.S.



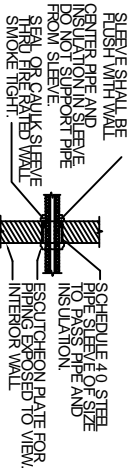
**VENT THRU ROOF DETAIL**  
N.T.S.



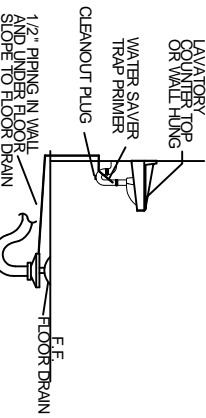
**WALL CLEANOUT DETAIL**  
N.T.S.



**TYPICAL INTERIOR WALL SLEEVE DETAIL**  
N.T.S.



**FLOOR DRAIN DETAIL**  
N.T.S.



**PLUMBING FIXTURE SCHEDULE**

MARK	DESCRIPTION	TYPE	ROUGH-IN SIZES	NOTES
WC	H.C. WATER CLOSET	VALVE	4" x 4" x 4"	3
LAV	H.C. LAVATORY	WALL HUNG	2" x 2" x 12" x 12"	1, 2, 3
FD	FLOOR DRAIN	-	2" x 2" x 3/4"	4
WH	WATER HEATER DRAIN	-	-	-

- FIXTURE NOTES:
1. INSULATE PIPING FOR HANDICAP FIXTURES.
  2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
  3. H.C. - HANDICAP FIXTURE
  4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
  5. FIXTURES SELECTED BY OWNER.