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ARCHITECTURE

ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

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GAS LINE RISER
AND NOTES

REV:

SCALE: AS NOTED

JOB#: 2051

DATE: 01-04-10

SHEET

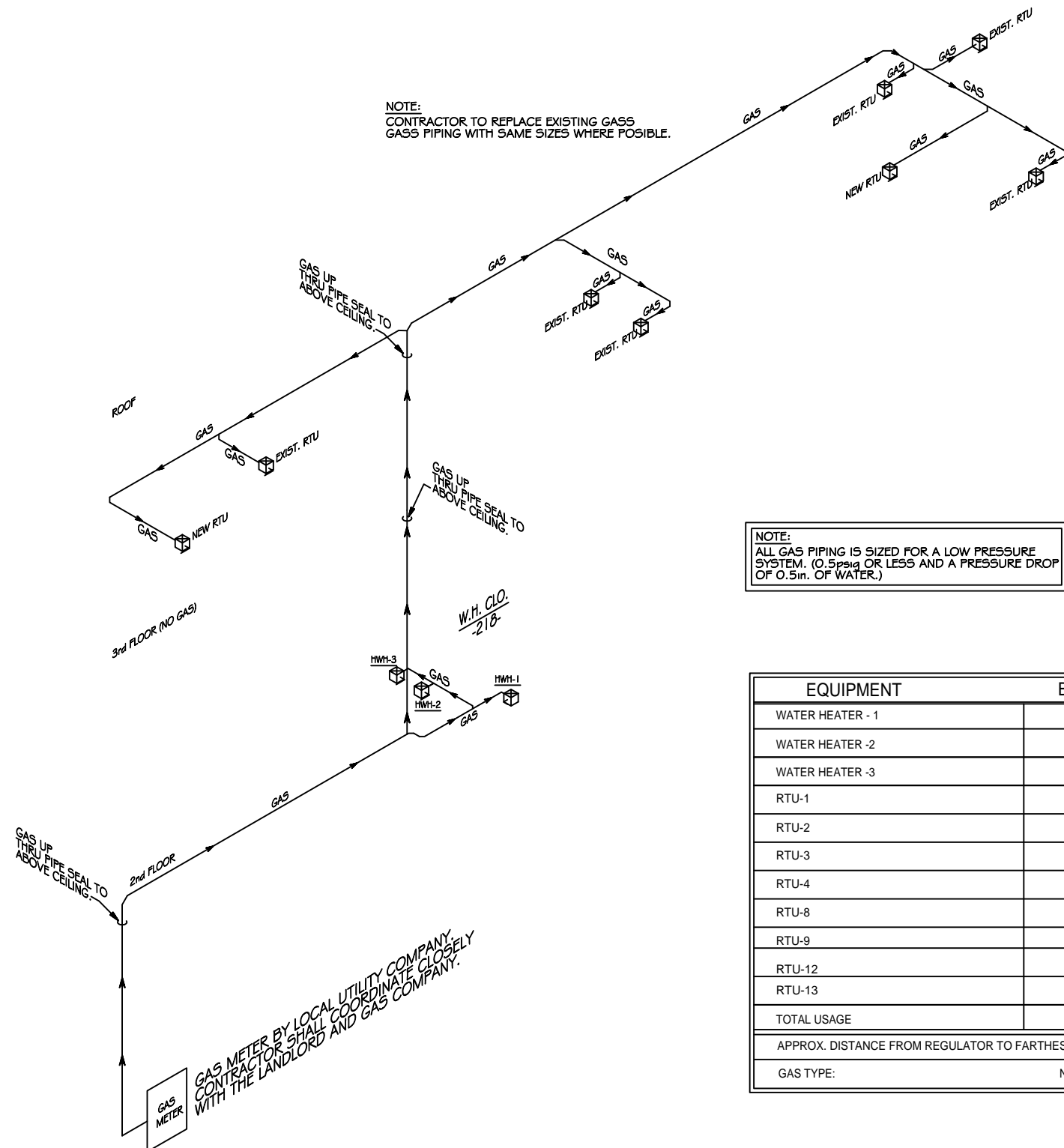
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OF

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.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/8" PER FOOT. LINES 4-INCH AND LARGER SHALL BE 1/4" PER FOOT.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
8. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
9. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, FIELD VERIFIED ALL LOCATIONS.
10. 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.
11. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
12. 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.
13. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
14. 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-E814.)
15. ALL PLUMBING LINES SHOWN ARE DIAGRAMMATIC.

NOTE:
CONTRACTOR TO REPLACE EXISTING GASS
GASS PIPING WITH SAME SIZES WHERE POSSIBLE.



NOTE:
ALL GAS PIPING IS SIZED FOR A LOW PRESSURE
SYSTEM. (0.5 psig OR LESS AND A PRESSURE DROP
OF 0.5in. OF WATER.)

EQUIPMENT	BTUH INPUT
WATER HEATER - 1	125,000
WATER HEATER - 2	125,000
WATER HEATER - 3	125,000
RTU-1	204,00
RTU-2	180,000
RTU-3	228,000
RTU-4	72,000
RTU-8	30,000
RTU-9	84,000
RTU-12	36,000
RTU-13	36,000
TOTAL USAGE	1,245,000
APPROX. DISTANCE FROM REGULATOR TO FARTHEST TAKE OFF 125'	
GAS TYPE:	NATURAL GAS

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	TYPE	ROUGH-IN SIZES			NOTES	
			WASTE	VENT	CW HW		
WC	WATER CLOSET	VALVE	4"	4"	1/2"	-	3
LAV	LAVATORY	WALL HUNG	2"	2"	1/2"	1/2"	1, 2, 3
F.D.	FLOOR DRAIN	-	2"	2"	1/2"	-	4
KS	KITCHEN	-	2"	2"	1/2"	1/2"	-
3 COMP SINK	3 COMP SINK	-	2"	2"	1/2"	1/2"	-
REF	REFRIGERATOR	-	2"	2"	1/2"	-	-
WASH	WASHING MACHINE	-	2"	2"	1/2"	1/2"	-
AHU COND	AIR HANDLING UNIT	-	2"	2"	-	-	-

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

GAS LINE RISER

SCALE: N.T.S.

NOT APPROVED FOR CONSTRUCTION