

MECHANICAL PLAN
SCALE: 1/8"=1'-0"

A/C UNIT SCHEDULE					COMMENTS	
NO.	TOTAL RTU	CFM	O.A.	HEAT (KW)	ELECTRICAL MCA	CFM BRKR
1	42000	1,400	140	10	240V, 1Ø	-
3-1/2 TONS						

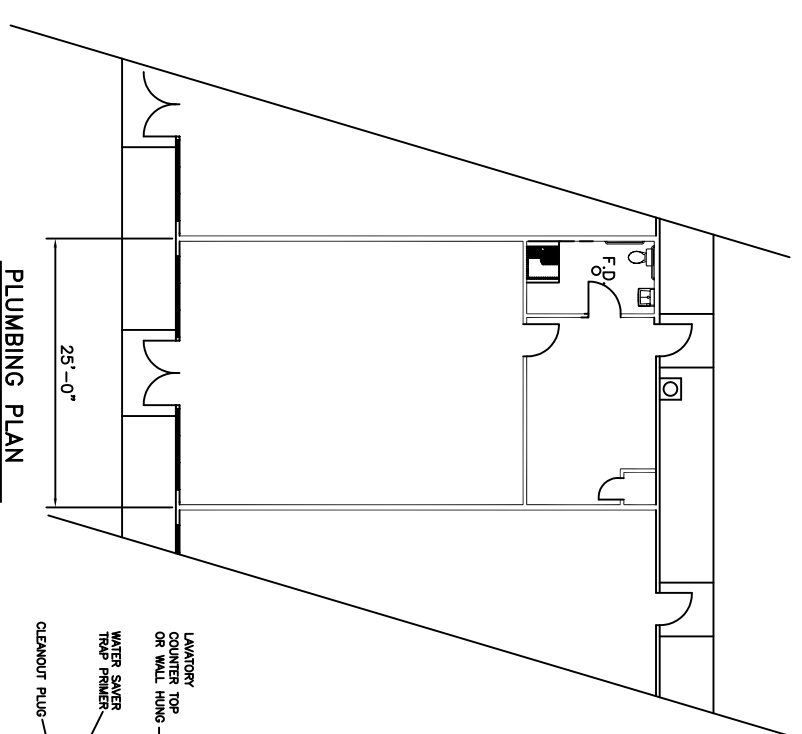
EXHAUST FAN SCHEDULE			
LOC	CFM	VOLUME	TYPE
100	150	150	EXHAUST
150	150	150	EXHAUST

HVAC NOTES

1. CONCEALED DUCTWORK TO BE UL-181, CLASS 1, FIBERGLASS DUCTBOARD. DUCTS SHALL BE SIZED TO LIMIT MAIN DUCTS TO 1000 CFM & SECONDARY DUCTS TO 800 CFM. TO BE INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL PER SMACNA STANDARDS. LINE WITH NEOPRENE COATED 10-15 POUNDS PER CUBIC FOOT DUCT INSULATION.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE U.L. LISTED 125° F. FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE U.L. RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITH FIVE FEET OF AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
9. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
10. ALL EXHAUST FAN EQUAL TO BRON MODEL NO. 100 CF OR EQUAL. FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTAL WATERPROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FUTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCH. DWGS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURERS' INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. INSTALL FIRE DAMPER WHERE S.A. & R.A. DUCTS PENETRATE 1 HOUR RATED CEILING(S).
18. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS 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).
19. DRAWN DIAGRAMATICALLY.

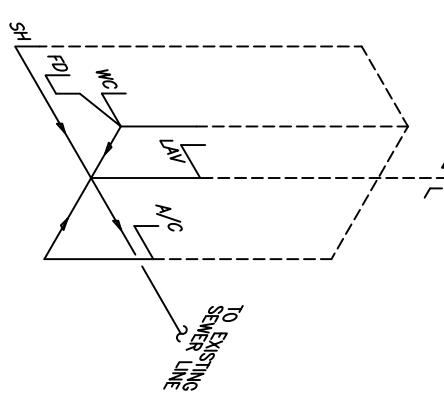
LEGEND

- SUPPLY AIR
- RETURN AIR
- EXHAUST FAN
- A/C UNIT
- THERMOSTAT
- SUPPLY AIR
- OUTSIDE AIR
- RETURN AIR



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

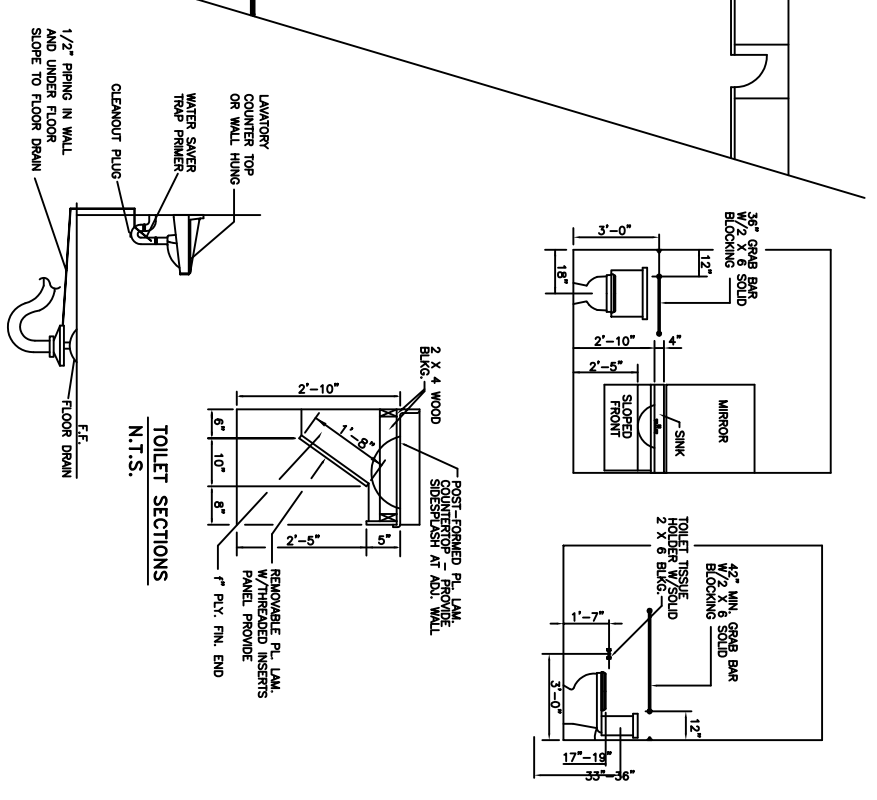
PLUMBING RISER DIAGRAM



PLUMBING FIXTURE SCHEDULE

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

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



FLOOR DRAIN DETAIL
N.T.S.

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.
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, ALL DOWNSIDE LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
10. DOWNSIDE AND COLD WATER PIPING AND FITTINGS UNDER SINKS SHALL BE AS NOTED. OTHER PIPING UNDER THE SLAB SHALL BE AS NOTED. ALL PIPING SHALL BE ALLOWED UNDER THE SLAB PER ASTM B98 COPPER WATER TUBE, TYPE L, HARD DRAIN, WITH COPPER PRESSURE-TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 65A (95-5) SOLDER.
12. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPRIGOT ENDS AND ONE-PIECE MEOPRENE INSERT-TYPE GASKET. USE PVC SCHEDULE 40 OR 40S 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 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.



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1080

OLD SPANISH TRAIL SUITE #8

SLIDELL, LA. 70458

ELECTRICAL PLAN

REV:

SCALE: AS NOTED

JOB#: 1922

DATE: 01-09-08

SHEET

M/P-1

OF