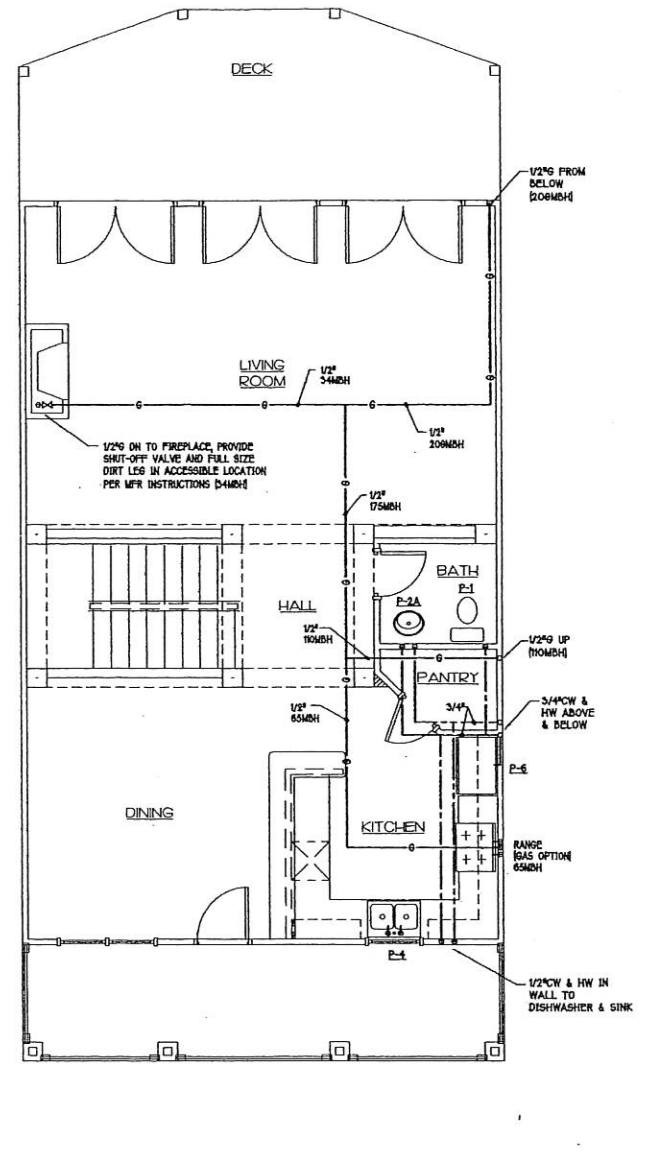
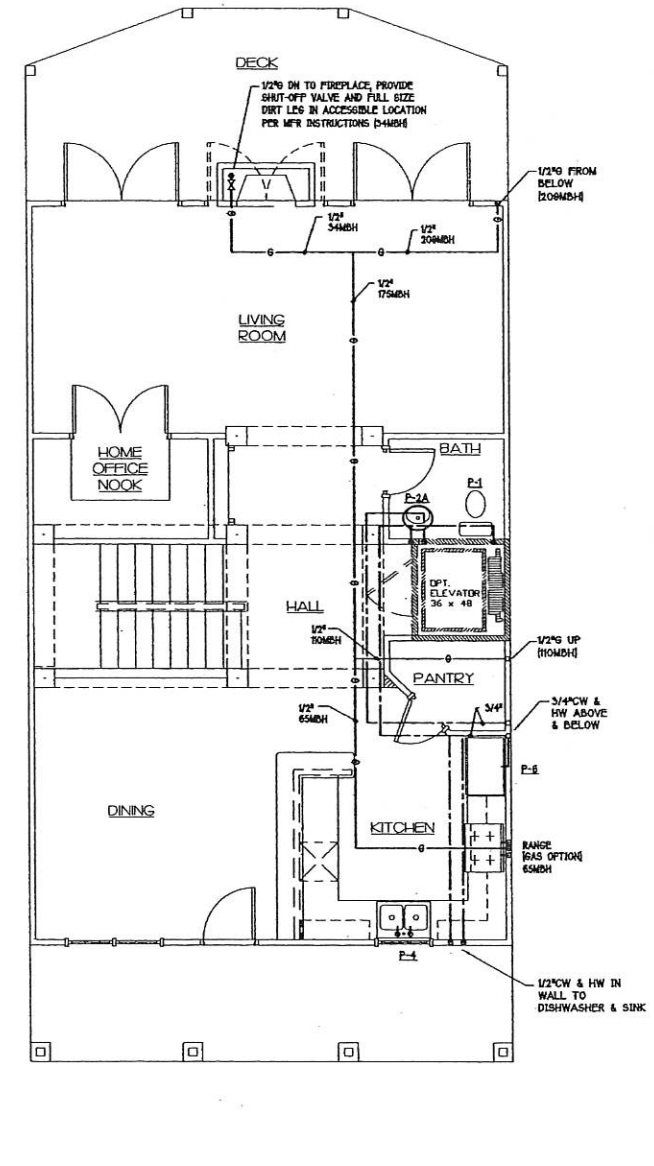


1 FIRST FLOOR FOUR STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"



2 SECOND FLOOR FOUR STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"

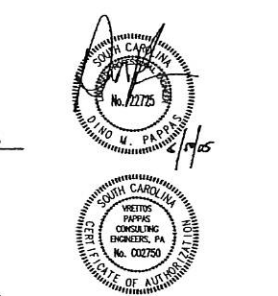


3 SECOND FLOOR FOUR STORY UNIT (ALT) WATER & GAS PLAN
1/4" = 1'-0"

- PLUMBING NOTES FOR UNIT PLANS:**
- SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
 - ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
 - PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
 - ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
 - PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
 - PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.

GAS LOAD TABLE (4 STORY UNIT)	
LOW PRESSURE	HIGH PRESSURE
PRESSURE DROP: 0.5 IN.W.C.	ATMOSPHERIC PRESSURE: 14.6954 PSIA
STEEL, SCH. 40	P1: 1 PSIG
LENGTH: 140 FT.	P2: 1 PSIG
FITTINGS FACTOR: 1.2	STEEL, SCH. 40
EQUIVALENT TOTAL LENGTH: 168 FT.	LENGTH: 140 FT.
CAPACITY OF PIPES IN MDH	FITTINGS FACTOR: 1.2
1/2" 37	EQUIVALENT TOTAL LENGTH: 168 FT.
3/4" 78	CAPACITY OF PIPES IN MDH
1" 147	1/2" 345
1-1/4" 302	3/4" 722
1-1/2" 453	1" 1261
2" 875	1-1/4" 2794
2-1/2" 1291	

NOTE:
GAS PIPING IS SIZED FOR 2PSI CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR LOW PRESSURE PIPING.
CONTRACTOR SHALL VERIFY THE AVAILABILITY OF 2PSI SERVICE BEFORE ANY WORK HAS BEGAN AND NOTIFY ARCHITECT IN WRITING OF AVAILABLE SERVICE.



LAKE SHORE TOWN HOMES
Tega Cay, South Carolina

DATE DRAWN: 06/09/05
PROJECT NO.: 2530
ISSUED FOR: Permit & Construction

P7
TYPICAL 4 STORY UNIT WATER & GAS PLANS