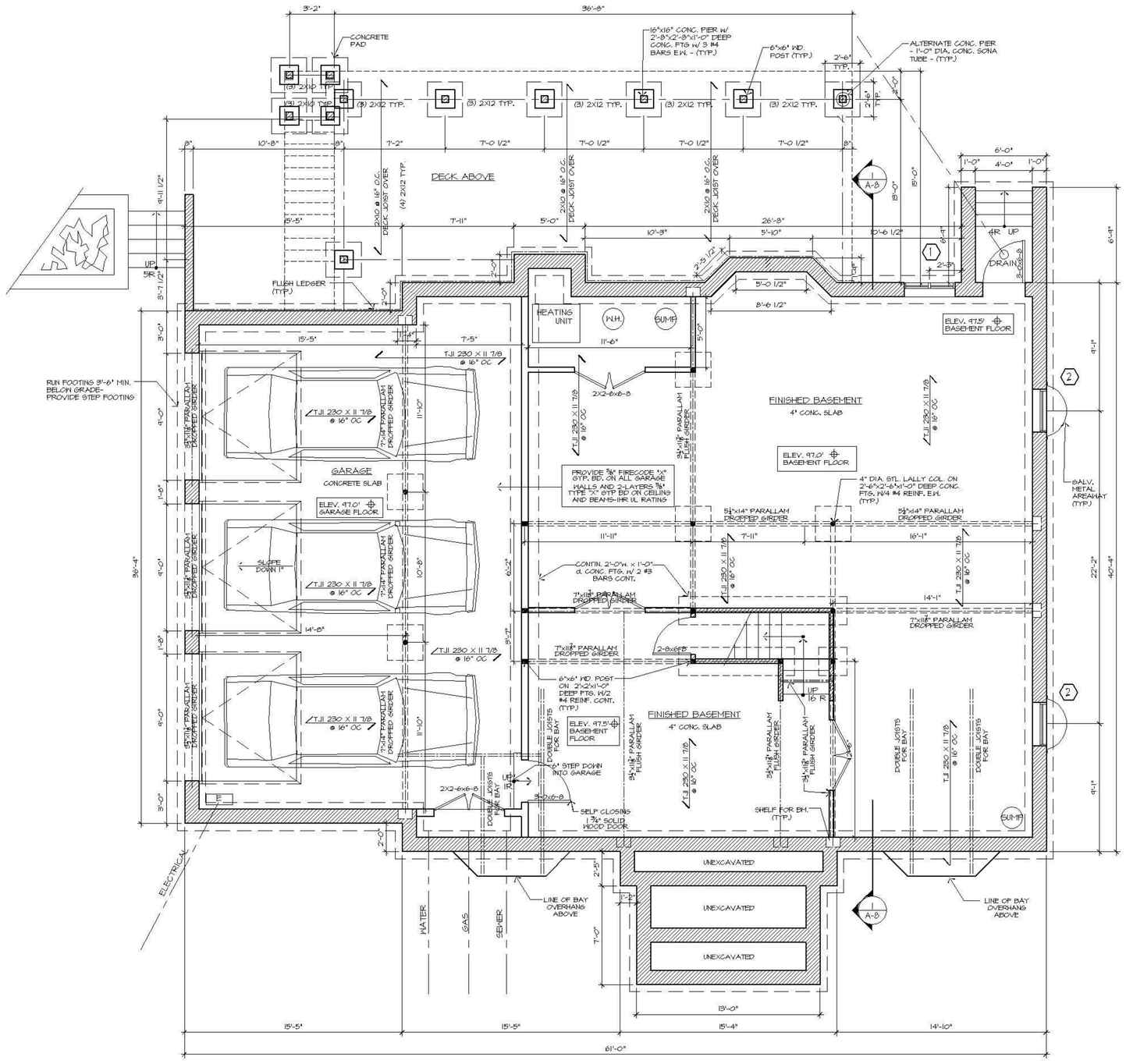
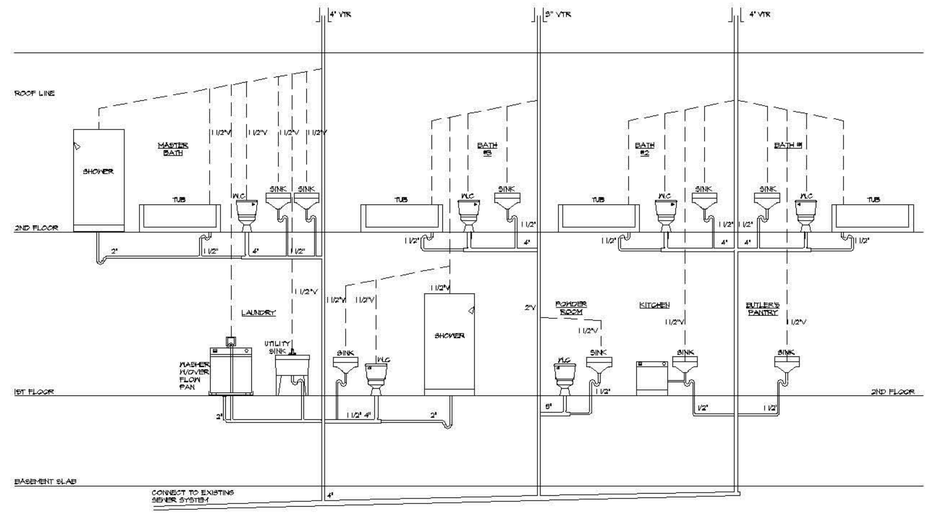


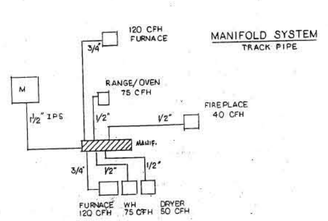
BASEMENT FLOOR PLAN

SCALE: 1/4"=1'-0"

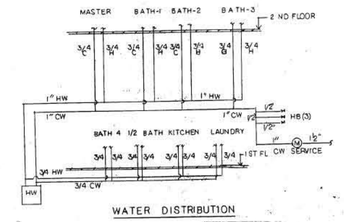


PLUMBING RISER DIAGRAM

NO SCALE



GAS PIPING PLAN - CSST SYSTEM



WATER DISTRIBUTION

Quantity	Fixtures	Cold	Hot
6	WC	2.5	-
7	Lav	0.8	0.8
1	K/ sink	1.1	1.1
1	D/ washer	-	1.5
1	L/ sink	1.5	1.5
1	W/ machine	3.0	3.0
3	Hose bib	2.5	-
2	Shower	1.5	1.5
4	W/ pool or combo	3.0	3.0

Subject: Water demand for: 248 Long Hill Dr., Short Hills, NJ 07078

5.5 bathroom groups (gravity type 1.6 gallon tanks)
Six (6) water closets
One (1) whirlpool
Three (3) combination bath/ shower
Seven (7) lavatories
Two (2) shower stalls
One (1) kitchen group (kitchen sink, dishwasher)
One (1) laundry group (laundry sink, automatic washer)
Three (3) hose bibs

Calculations based on Tables B.5.2, B.5.3 and B.5.4 (2003 National Standard Plumbing Code)

2. **B.5.3 Water supply fixture units (WSFU) for individual fixtures**

Total water demand Hot _____ 26 WSFU

Total water demand Cold _____ 49 WSFU

Total for Hot & Cold _____ 75 WSFU

According to Table B.7.3D based on velocity limitation only 75 WSFU fall between 55 WSFU and 97 WSFU calling for a 1 ½" water service K type tubing.

LEGEND

CONCRETE BLOCK WALL - SEE PLAN FOR WIDTH

NEW CONSTRUCTION - 2"x4" WOOD STUDS AT 16" O.C. W/ " GYP. BD. OVER -2"x4" @ 16" o.c. AT PERIMETER -PROVIDE R-19 INSUL. IN PERIMETER WALLS, BATHROOMS, POWDER RMS, GARAGES ELEVATOR SHAFT, & MASTER BEDROOM

NOTE: DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS

6	10-16-07	DECK REVISIONS
4	8-1-07	GENERAL REVISIONS
3	7-10-07	GENERAL REVISIONS
1	06-27-07	WATER DISTRIB., GAS ADDED

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HABER RESIDENCE
248 LONG HILL DRIVE
MILLBURN, NEW JERSEY 07072

drawing title : BASEMENT PLAN

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date : 5/14/07
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drawing : A-1