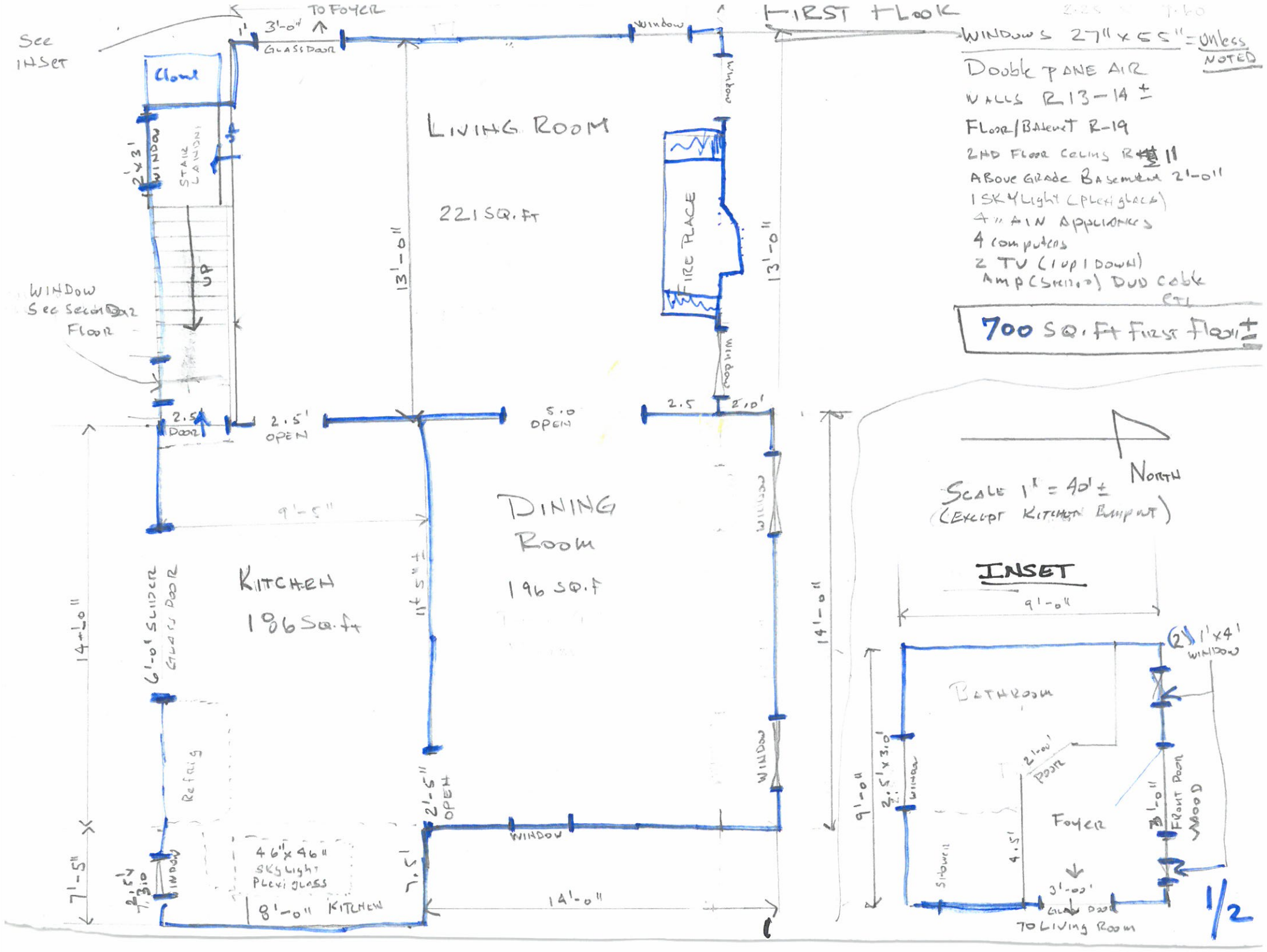
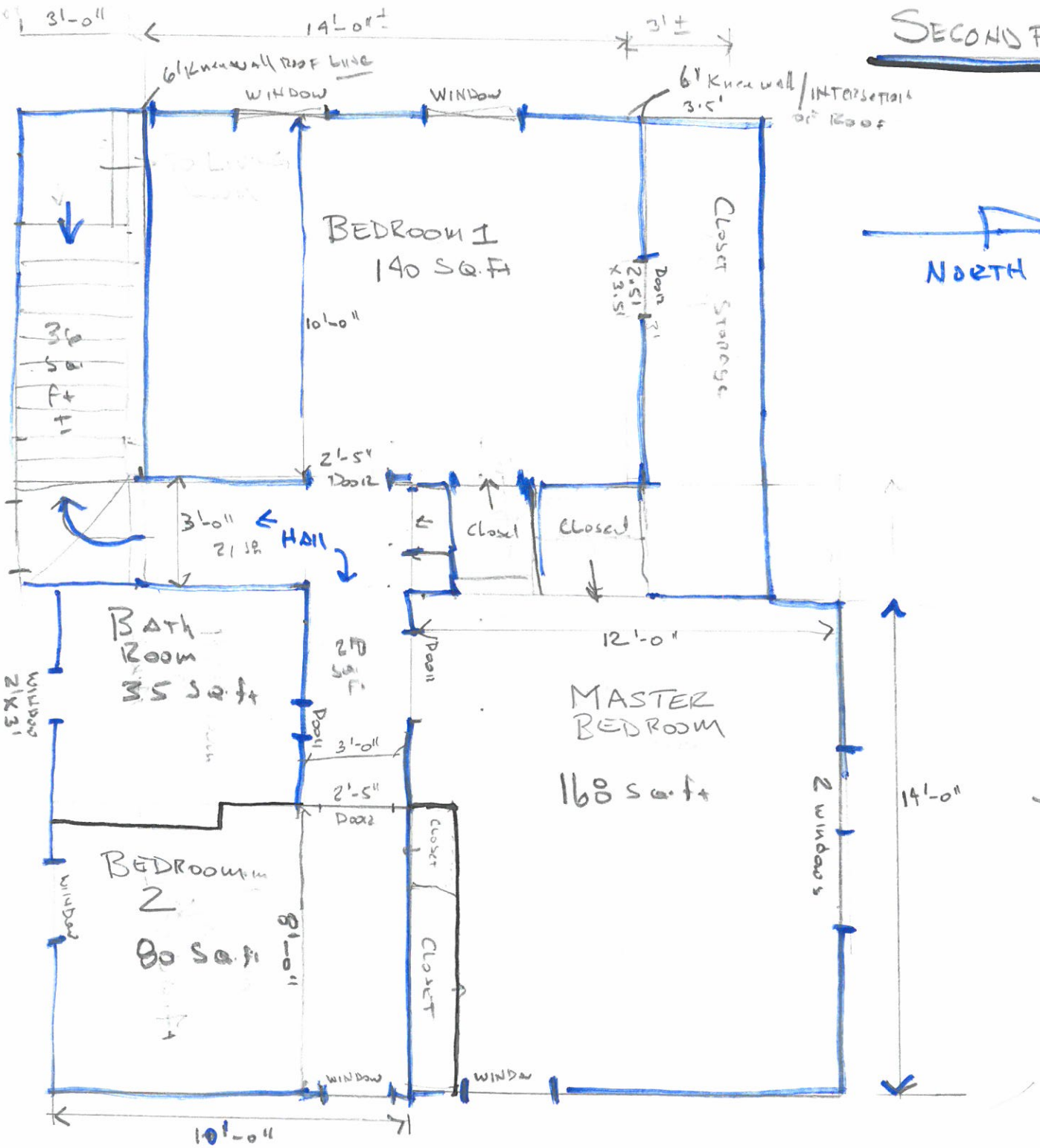

FIRST FLOOR
WINDOWS 27" x 55" = Unless NOTED
Double PANE AIR
WALLS R13-14 ±
FLOOR/BASEMENT R-19
2ND FLOOR CEILING R 11
ABOVE GRADE BASEMENT 2'-0"
1 SKYLIGHT (PLEXIGLASS)
4" MIN APPLIANCES
4 COMPUTERS
2 TV (1 UP 1 DOWN)
AMP (SKILLO) DUD CABLE ETC
700 SQ. FT FIRST FLOOR ±
See INSET
TO FOYER
3'-0"
GLASS DOOR
WINDOW
Closet
2'x3' WINDOW
STAIR LANDING
UP
WINDOW See Second Floor
LIVING ROOM
221 SQ. FT
13'-0"
FIRE PLACE
2.5
DOOR
2.5' OPEN
5.0 OPEN
2.5
2'0'
9'-5"
DINING ROOM
196 SQ. FT
14'-0"
KITCHEN
196 SQ. FT
6'-0" SLIDER GLASS DOOR
11'-5" ±
Refrig
2'-5" OPEN
46" x 46" SKYLIGHT PLEXI GLASS
8'-0" KITCHEN
7'-5"
14'-0"
7'-5"
2'-5" x 3'-0" WINDOW
NORTH
SCALE 1" = 40' ±
(EXCEPT KITCHEN BUMPOUT)
INSET
9'-0"
2) 1'x4' WINDOW
BATHROOM
2'-5' x 3'-0' WINDOW
2'-0' DOOR
FOYER
4'-5'
SHOWER
3'-0' GLASS DOOR
TO LIVING ROOM
3'-0" FRONT DOOR WOOD
1/2



SECOND FLOOR

Windows 27" x 55 unless noted
Steep Roof comes into Bedroom walls see Photo's!
2 Big bedrooms (Roof Portion might be less than R-11

NORTH

503 sq.ft ±

Not including closet space
might open up bedroom 1
ADD 25 sq ft
say 530 sq.ft

TOTAL
700
+ 530
1230 sq ft
say **1300 sq.ft**

Design Indoor Cooling Temp. : 75 °F

Design Outdoor Cooling Temp. : 95 ° F

Temp. Difference Cooling :20°F

Indoor Humidity: 50 Grains difference: 31

G

McCann

Area: White Plains, NY

Front Door Orientation North

Design Indoor Heating Temp. : 70 ° F

Design Outdoor Heating Temp. : 12 ° F

Temp. Difference Heating :58° F

Whole House Load Calculator

TD:Cool:20°F Heat:58°F	Sq. ft. - types 1 and 2	shading	Sq. ft.- types 1 and 2	shading	Sq. ft.- types 1 and 2		Sq. ft.
Outside Wall: North	1: 420 2:	Windows x	1: 60 2:	Glass Doors x	1: 2:	Doors	18
Outside Wall: South	1: 350 2:	Windows I	1: 40 2:	Glass Doors I	1: 30 2:	Doors	12
Outside Wall: E & W	1: 700 2:	Windows I	1: 35 2:	Glass Doors I	1: 2:	Doors	
Outside Wall: NE & NW	1: 2:	Windows x	1: 2:	Glass Doors x	1: 2:	Doors	
Outside Wall: SE & SW	1: 2:	Windows I	1: 2:	Glass Doors I	1: 2:	Doors	
Sky Lights	N: S:	E-W: 16	NE-NW:	SE-SW:			
Floor - (linear ft. if slab)	1: 700 2:	Basement	Walls-above grade: 0	below grade:	sq. ft.		
Ceiling	1: 600 2:	Basement	Floor --	width 24 to 2	feet below grade:	2 ft.	
Number of Appliances	9						
Number of People	6	Fresh air	recommended: 60cfm →	CFM			

Conditioned - Sq. ft.: 1300	Cubic. Ft.: 10000	Construction: below-a	Duct system: conditio R-4 good

	Total Btu's Cooling	Sensible Load	Latent Load	Total Btu's Heating
	31299	28834	2465	26328

Btu breakdown

	Sensible	Latent	Heating
walls	3633		7241
windows	3915		4463
ceilings	2673		2819
doors	363		679
floors	539		1616
appliances	10800		
people	1380	1200	
glass doors	1140		992
skylights	3072		1076
basement walls	0		0
basement floor	0		0
infiltration	1320	1265	7443
fresh air	0	0	0
duct load	0	0	0
Totals	28834	2465	26328

Structure types

Outside Walls 1: Siding or Stucco R11 insulation

Outside Walls 2:

Windows 1: double pane - drapes

Windows 2:

Glass Dloors 1: double pane no internal shade

Glass Doors 2:

Floors 1: closed or vented crawl R-19 insulation

Floor 2:

Ceiling 1: Ceiling under attic space R-11

Ceiling 2:

Doors: Wood solid core

Skylights: skylight single pane flat

Basement Walls: block brick or concrete - no insulation

Basement Floor: