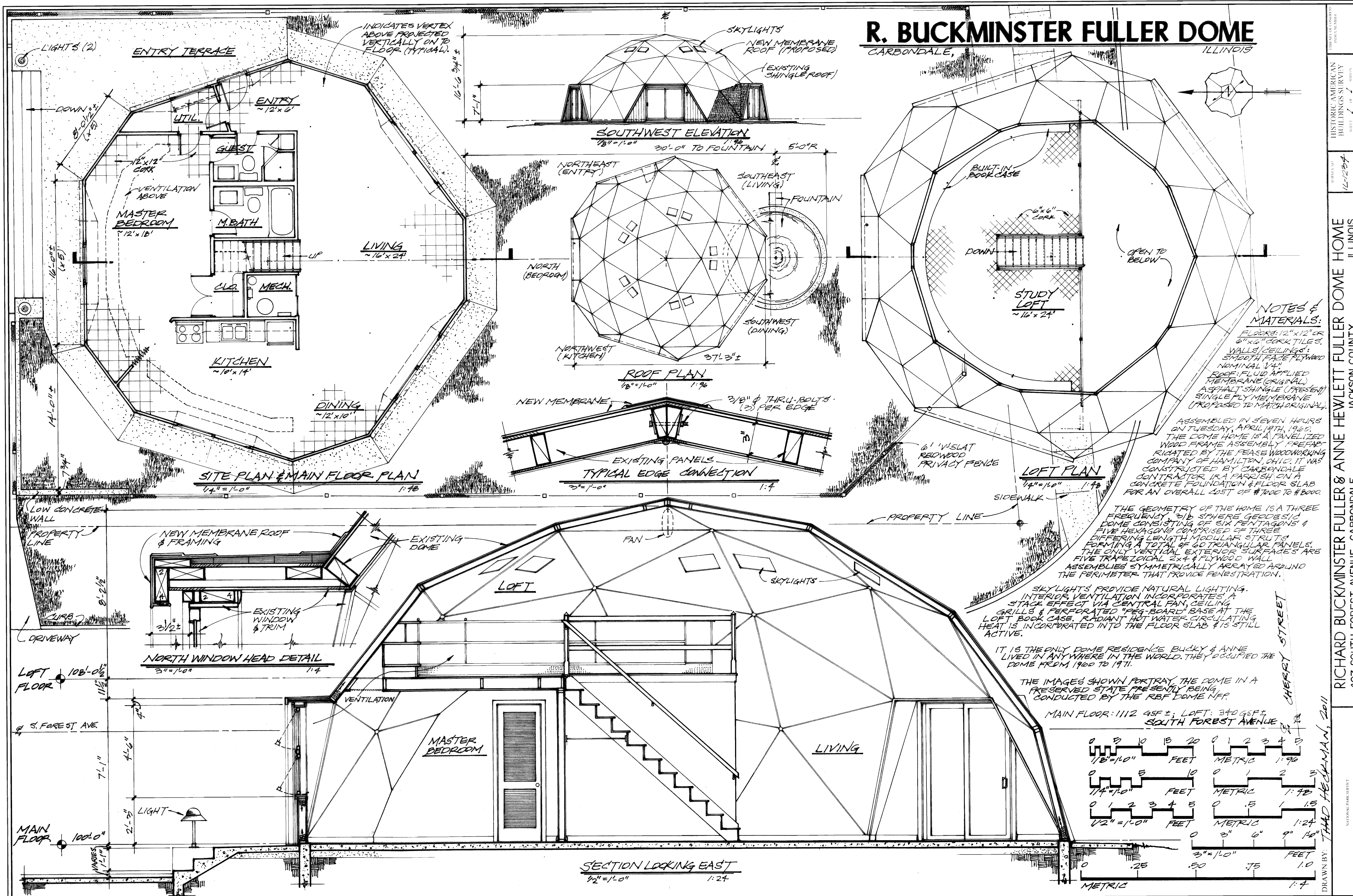


R. BUCKMINSTER FULLER DOME

CARBONDALE

ILLINOIS



NOTES & MATERIALS:

FLOOR: 1/2" x 1/2" OR
6" x 6" CORK TILES.
WALLS / CEILINGS:
SMOOTH FACE PLYWOOD
NOMINAL 1/4"
ROOF: FLUID APPLIED
MEMBRANE (ORIGINAL),
ASPHALT SHINGLE (PRESENT)
SINGLE PLY MEMBRANE
UPROPOSED TO MATCH ORIGINAL

ASSEMBLED IN SEVEN HOURS
ON THURSDAY, APRIL 10TH, 1966.
THE DOME HOME IS A PANELIZED
WOOD FRAME ASSEMBLY PREFAB-
RICATED BY THE PEASE WOODWORKING
COMPANY OF HAMILTON, OHIO. IT WAS
CONSTRUCTED BY CARBONDALE
CONTRACTOR IRA FARRISH ON A
CONCRETE FOUNDATION & FLOOR SLAB
FOR AN OVERALL COST OF \$7000 TO \$8000.

THE GEOMETRY OF THE HOME IS A THREE FREQUENCY 2-D SPHERE GEODESIC DOME CONSISTING OF SIX PENTAGONS & FIVE HEXAGONS COMPOSED OF THREE PENTAGONAL & BENZOLAL OF 30 TRIANGLES FORMING A TOTAL OF 60 TRIANGULAR PANELS. THE ONLY VERTICAL EXTERIOR SURFACES ARE FIVE TRAPEZOIDAL 2x4 PLYWOOD WALL ASSEMBLIES SYMMETRICALLY ARRAYED AROUND THE PERIMETER THAT PROVIDE PENETRATION.

SKYLIGHTS PROVIDE NATURAL LIGHTING.
INTERIOR VENTILATION INCORPORATES A
STACK EFFECT VIA CENTRAL FAN, CEILING
GRILLS & PERFORATED "PEB-BOARD" BASE AT THE
LOFT BOOK CASE. RADIANT HOT WATER CIRCULATING
HEAT IS INCORPORATED INTO THE FLOOR SLAB & IS STILL
ACTIVE.

IT IS THE ONLY DOME RESIDENCE BUCKY & ANNE
LIVED IN ANYWHERE IN THE WORLD. THEY OCCUPIED THE
DOME FROM 1960 TO 1971.

THE IMAGES SHOWN PORTRAY THE DOME IN A PRESERVED STATE PRESENTLY BEING CONDUCTED BY THE RBF DOME NFP.

MAIN FLOOR: 1112 GSF ±; LOFT: 340 GSF ±
SOUTH FOREST AVENUE

[illegible]

1/8" = 1'-0"		FEET		METRIC		1:96	
0	5	10	0	1	2	3	

1/4" = 1'-0" FEET METRIC 1:48

3" x 1.0" FEET

0 .25 .50 .75 1.0

METRIC 1:4

DRAWN BY: THAD HECKMAN, 2011