

Great Pyramid Grand Gallery Ceiling

The following pages represent a project to photograph the ceiling of the Grand Gallery, in order to count the overlapping selves of stone layers.

This was done in the 1980s during one of our travels to Egypt. It was during one of the rare times we were given permission to do the work without interruption of other tourists or guides.

Brian Kutscher had drawn schematics of the Gallery with proposed positioning of the camera for the images. These instructions are on the following 3 pages. Nearly 100 photos were taken. The last page is a composite of the most useful images.

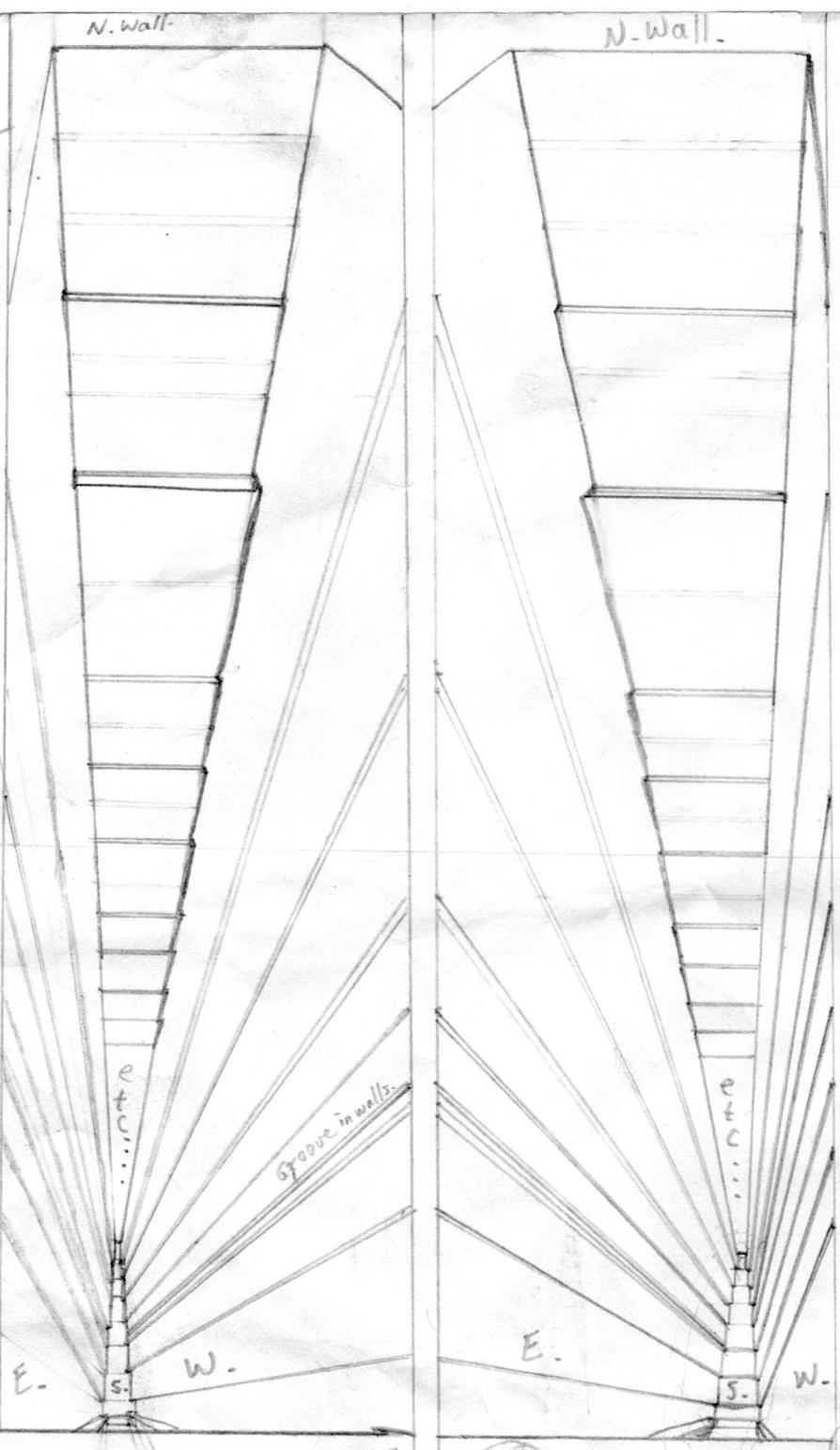
It should be noted that due to the angle of the ceiling and floor and camera positions, the length of each section does not always appear proportional to the others. However, visually they appear to be about equally spaced. Furthermore, due to stone marring, deteriorations and surface blackening from ancient use of torches, each overlap is not easily discernable. Morton Edgar indicated 36 overlappings in GPPI:71, 384. Others see as many as 43. Yet with careful examination of the larger views of each photo, we have marked what seems to us are 40 unique overlaps in the ceiling. These are marked on the last page along with a photo of the North end wall with its 7 unique layers.

In examining this last page, you may find it useful to zoom to 200-400% or more to examine the details, and then pan right and left.

Jerry Leslie

I don't know how to visualize the North Wall, behind you, coming into the top of the picture.

Of course, the final slide will have a wider (L & R) field & not be as skinny as I have drawn it.



(Approx.) Center of field

42 1/4" between Ramps.

④ ①

Left Side (E. Wall)

37"

Right Side (W. Wall)

② ③

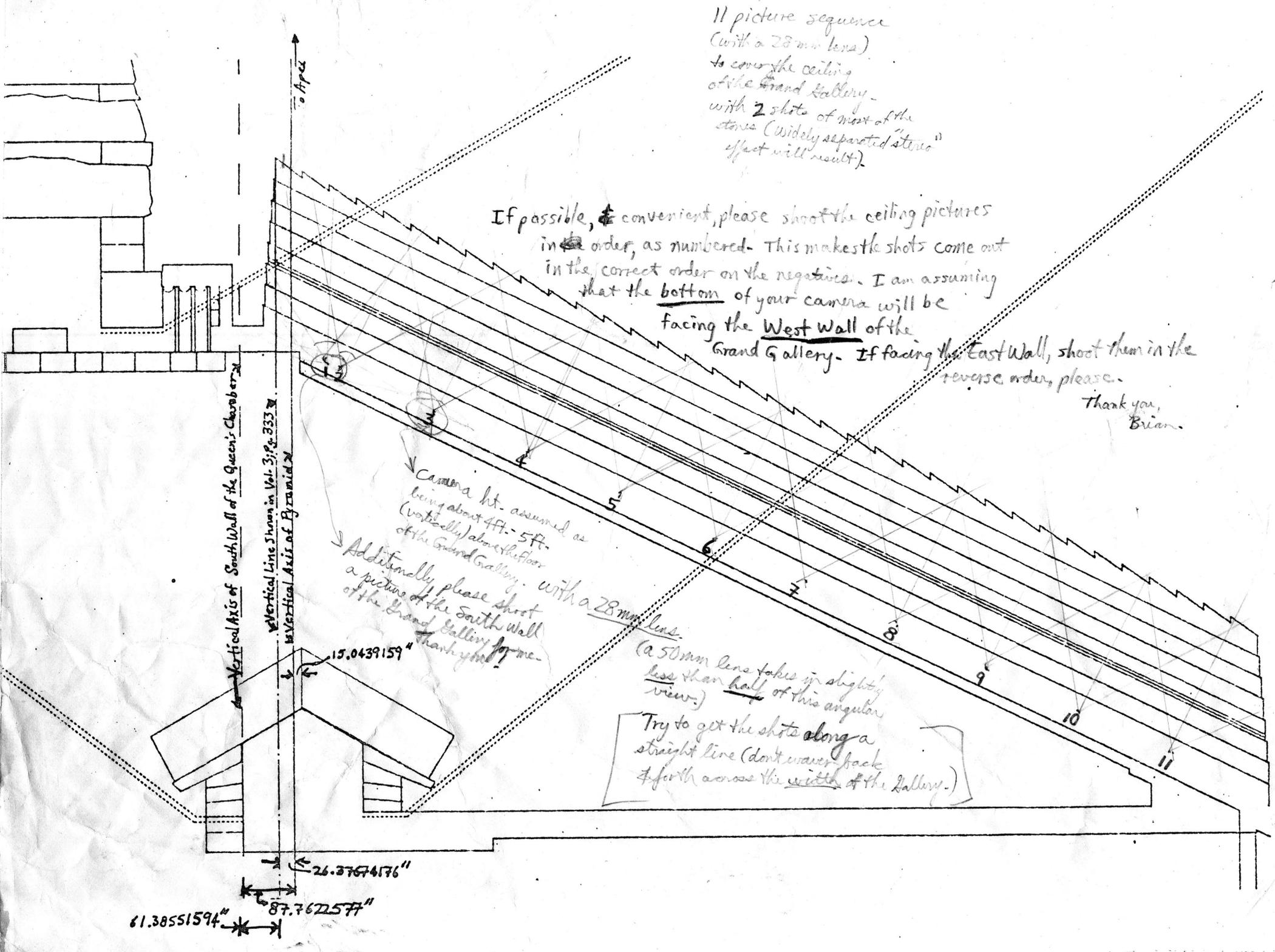
Highly stylized visualizations of what a widely separated stereo pair of photographs would show. IF you do take a pair such as these, would you please be sure to get an accurate measurement of the distance between the 2 camera positions? This is important for any future measurements that may be made from the photographs. Thank you,

Br. Brian Kutscher

11 picture sequence
 (with a 28 mm lens)
 to cover the ceiling
 of the Grand Gallery -
 with 2 shots of most of the
 stones (widely separated stones
 effect will result).

If possible, & convenient, please shoot the ceiling pictures
 in order, as numbered. This makes the shots come out
 in the correct order on the negatives. I am assuming
 that the bottom of your camera will be
 facing the West Wall of the
 Grand Gallery. If facing the East Wall, shoot them in the
 reverse order, please.

Thank you,
 Brian.



Camera ht. assumed as
 being about 4ft. - 5ft.
 (vertically) above the floor
 of the Grand Gallery.

Additionally please shoot
 a picture of the South Wall
 of the Grand Gallery for me.
 Thank you!

(a 50mm lens takes in slightly
 less than half of this angular
 view.)

Try to get the shots along a
 straight line (don't waver back
 & forth across the width of the Gallery.)

61.38551594"
 87.7622577"
 26.767476"
 15.0439159"

Entrance passage leading to
Chambers of Construction

In all frames, North is Right → , East is up ↑

← Count of ceiling stones from North to South walls →

40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | Wall -7 | Wall -6 | Wall -5 | Wall -4 | Wall -3 | Wall -2 | Wall -1

