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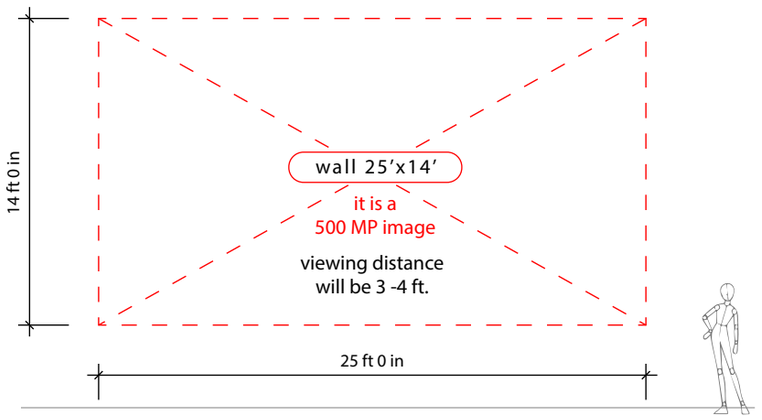
Understanding "WALLPAPER" or "WALL MURAL" in large format digital printing based on a digital photo

Sample of a wall to apply a printed photograph as a mural



This wall is 300" w by 168" h

Let's suppose we going to use resolution 100 pixels per inch.

The converted dimensions for image will be:

300" x 100 p =30000 p
168" x 100 p = 16800 p

it's 30000 by 16800 pixels

or 30000x16800= 50400000 pixels
or near 500 MP (megapixels)

We need 500 MP image , it's Five Hundred Millions pixels in total for good quality printing, and it's the SIZE of necessary photo. That means a photographer takes his camera, make a shot and we almost done.

Hasselblad H6D-400c MS

Image
READY TO PRINT
THOUGH IT'S ONLY 400 MP

But what if our photographer doesnt't have that kind of camera OR WE DON'T have him in staff or we do not want to hire? Then we going to buy a photo.

shutterstock

iStock by Getty Images

Microstocks sell images
from 4 Mp up to 30 Mp
For example, I can't find an info of image size in shutterstock
until I buy one. Usually, it less then 15 Mp.
I can buy a 24 Mp image in dreamstime.com
but I am not sure, was an image upscaled or has a real actual size.

There is nothing Photoshop can do to help

Anyway.

We will need much higher rez images to make this wall look presentable.
It is still 500 Mp on demand.

https://www.panoramicimages.com

We can try that site to buy an image with offered license or customed

Let's look at a sample I picked

Biggest File Available 1,122.2 MB|3:1|34520 x 11362 px|374.1 MP|

So, it's only 374 Mp,
it's "panoramic" and probably combined from 3-4 shots
and must be cropped to meet our wall's configurations,
but we also have to blow it up

As a result we got an image of size we need, it's now 500 Mp, but after blowing up we have now only 60 pixels per inch (resolution).

That agency asked $1000 for 2 years license -- for one chosen image.
But it doesn't say about mural wall usage.
For mural we have to call and a price, as I guess, would be skyrocketed.