



SPECIFICATION WORDING RECOMMENDATIONS

VOLUME 3; revision B

**BUILDING CONSTRUCTION PROGRESS PHOTOS
AIRCRAFT OR LOW-LEVEL/GROUND-BASED
AERIAL PROGRESS PHOTOGRAPHY
plus FINAL ARCHITECTURAL PHOTOGRAPHY**

***P-Tn ProgressPHOTOS
P-Tn Aerial Progress Photography***

The following terms (as written) are slogans / pending trademarks of *P-Tn, Inc.*
'Visual Documentation' photo -- digital -- video
and these should not be included in your specification wording, unless followed by "or approved equal"
*ProgressPHOTOS ProgressSCANS RoutePHOTOS RouteSCANS VideoRECORDS
ProgressCAM WebWINDOW ProgressCAMPics ProgressCAMovie
PhotoWALKTHRU WebGALLERY*



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**VOLUME****3****DESCRIPTION****BUILDING CONSTRUCTION PROGRESS PHOTOS
AERIAL [FIXED-WING OR HELICOPTER] PROGRESS PHOTOGRAPHY
plus FINAL ARCHITECTURAL PHOTOGRAPHY**

P-Tn ProgressPHOTOS produce a visual step-by-step record of the progress of construction on engineering and/or building projects, including both interior and exterior ground shots. Prints and digital files of the images are typically distributed to the prime participants on the project - owner / architect / engineer / contractor - and may be distributed to other 'team members' involved with the project, such as out-of-town investors, or marketing firms, newspapers/magazines, etc. The photographs are not only an inexpensive way to keep abreast of the site activity and reduce the need for frequent visits, but they are also useful for documenting construction procedures, press releases, marketing, and archival records for future historical reference.

Aerial ProgressPHOTOS are sometimes the best (and occasionally the only) photographic approach which can adequately document the development or construction activities on a large, expansive project site. Examples might include highway interchanges, shopping centers, educational institution campuses, landfill developments, treatment plants, warehouses, and industrial facilities. Aerial photos may be the only form of photography employed, or may be used periodically to supplement more frequent ground photos. Regardless of the purpose and timing, aerial photographs can be taken from conventional airplanes or helicopters for large projects, OR from ground-based aerial blimps (***P-Tn TetherBLIMP***). ***ARCHITECTURAL (or AERIAL) FINAL PHOTOGRAPHY*** creates marketing-quality photographs of a finished project - rendering it to its best advantage.



The following is our recommended specification wording for:
P-Tn ProgressPHOTOS / P-Tn Aerial Photography
SEE VOLUME 3SV – SHORT VERSION

‘BUILDING CONSTRUCTION PROGRESS PHOTOS’
‘AIRCRAFT [FIXED-WING OR HELICOPTER] AERIAL PROGRESS PHOTOGRAPHY’
‘LOW-LEVEL / GROUND-BASED AERIAL PHOTOGRAPHY’
‘PLUS FINAL ARCHITECTURAL PHOTOGRAPHY’

‘BUILDING CONSTRUCTION PROGRESS PHOTOS’

The contractor shall have suitable photographs taken before, during, and after construction of the project. All photography shall be handled by an established commercial photographer who is trained in construction photography and has at least 5 years experience. **The photographer shall be approved by the architect / engineer; upon request, the photographer shall provide examples of prior work and/or references, prior to taking the initial photographs.

****NOTE:** Determine the ‘Professional’ status of your photographer or videographer by verification of; Company letterhead to confirm *business* name, address, and telephone number / White pages telephone listing under the BUSINESS NAME / Yellow pages listing under the BUSINESS NAME / Internet presence with a URL that displays only the BUSINESS NAME / Valid Sales or Use Tax registration number for their state / (FEIN) Federal Employer Identification Number / Business Entity registration in their state / State (DHR) Employer Identification Number / Current Certificate of Insurance issued by a legitimate Insurance Carrier / City Business License, if required / BBB or Chamber of Commerce Membership / Membership in a Construction Association as a *photographer* or *videographer* (NOT a contractor or supplier) / Membership in other national trade organizations.
ALL of these should be readily available from a qualified, ‘established’ full-time professional.

A sufficient number [please specify a maximum quantity] of views shall be photographed to adequately document the entire site before and after construction; such views shall be designated by the architect / engineer. During construction, *six (6) views shall be photographed each month (each week, or twice-monthly), showing the general progress of the construction work. The architect / engineer shall advise the photographer as to what views are of interest.

*Six or eight (6-8) views is adequate for a typical building project; more views may be required to properly document a large facility, process plant, or other expansive project.
 [OPTIONAL REQUIREMENT -- Once the structure is enclosed, an additional four or six (4-6) interior views shall be photographed each month.]

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Photographs (***P-Tn ProgressPHOTOS***) shall be produced using a medium format camera, with a minimum negative size of 2-1/4x2-1/4 inches. [ALTERNATE REQUIREMENT -- (***P-Tn ProgressPHOTOS***) shall be produced using a full-frame 35mm format camera.] Film employed shall be professional-grade color negative type, and of medium speed (ISO 100-200). All prints shall be color, smooth surface, 8x10 inches in size [ALTERNATE REQUIREMENT -- For 35mm format, you may call for smaller print sizes of 5x7 or 4x6 inches], and inserted into archival-polypropylene photographic binder pages which permit storage in a standard sized three-ring notebook. [OPTIONAL REQUIREMENT -- ...and inserted into a labeled three-binder. Additional binders shall be provided, as needed, to hold all progress photographs taken during construction]. Three (3)** prints of each view photographed shall be provided within ten (10) working days from the date they were taken. Each print shall bear a label on the reverse side which identifies the project, date of exposure, complete description of the view photographed, name of contractor or architect / engineer, and other pertinent information; prints shall also be permanently marked with the photographer's name and/or trademark.

**Order additional sets of photographs, as needed, for contractor, engineer, architect, owner, investors, etc...

[ALTERNATE REQUIREMENT – Photographs (***P-Tn ProgressPHOTOS***) shall be produced using a full-frame 35mm format single-lens-reflex camera with wide-angle or zoom lens.]
[ALTERNATE REQUIREMENT -- For 35mm format, you may consider calling for smaller print sizes of 5x7 or 4x6 inches],

The photographer shall keep the negatives available for at least three (3) years after completion of the project, in the event additional prints are required; reprints will be provided at prevailing rates.
ALTERNATE REQUIREMENT -- Negatives shall be identified using matching labels and/or color contact sheets, individually protected in negative sleeves, and shall be released with the prints; the negatives shall become the property of the owner.

[ALTERNATE REQUIREMENT -- Submit photographs and/or CD-ROM with the monthly pay request.]

OPTIONAL REQUIREMENT -- The photographer, as copyright owner, shall transfer usage rights to the architect / engineer / owner, granting unlimited reproduction of these construction photograph images. The architect / engineer / owner shall be permitted to reproduce these images as needed, without limitation, for marketing and/or editorial purposes for their respective organization(s). In accordance with US Federal Copyright Law, a photographer photo-credit and an appropriate copyright symbol shall appear with all published images; use of these images by a third party other than the grantee(s) will require permission from the photographer, as copyright owner.

'AIRCRAFT [FIXED-WING OR HELICOPTER] AERIAL PROGRESS PHOTOGRAPHY'

OPTIONAL REQUIREMENT -- Consider calling for AERIAL construction photographs of large project sites. Typically, two to three aerial views are adequate to cover a school campus or large industrial site. Film format should be a minimum of 2-1/4" for aerials which may need enlarging beyond 16x20 inches; 8x10 and 11x14 prints can be successfully made from 35mm format professional color negative film. Emphasis should be given to photographing on a clear and non-hazy day, when the sun is well above the horizon (whenever scheduling permits). Aerials are typically taken from either a fixed-wing aircraft or helicopter (at the photographer's option).

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‘LOW-LEVEL / GROUND-BASED AERIAL PHOTOGRAPHY’

Our **P-Tn TetherBLIMP** Low-Altitude, Ground-based Aerial Photography System utilizes a remote operated 35mm format camera mounted below a helium-filled blimp (tethered to our operator on the ground) for unique aerial photography at altitudes of 50 to 250 feet. This same unusual vantage point can sometimes be accomplished with special (25-50 tall) camera tripods, or simply the use of a manlift or ‘bucket’ truck. Regardless of method, this approach produces dramatic, marketing-quality photographs of buildings and structures, from vantage points which are impossible to attain from either airplane or helicopter. Please contact us for additional information and detailed, custom-developed specification wording for this type of aerial photography.

‘FINAL ARCHITECTURAL PHOTOGRAPHY’

NOTE: Calling for marketing quality final photographs as a part of the specification requirements demands that a unique set of complex issues be addressed, including model & property releases, copyright ownership, usage rights, sophisticated lighting equipment and techniques, photographic style and artistry. In addition, the images will have to be much higher quality (whether film-based or digital in nature). It may be best for the owner / architect / engineer / contractor to negotiate these services directly with a professional photographer, after the project has been completed. The following is offered as a starting point only.

Professional quality ‘architectural-style’ final photographs of the project shall be taken after completion of all construction activity, and when landscaping is suitably developed. These photos shall be artistically composed to best render the project’s architectural and design features.

[ALTERNATE REQUIREMENT -- Aerial photography may be the best choice for final photographs - see the paragraph above].

Ground-level final photographs shall be taken on a sunlit day with appealing-looking clouds, and AM/PM sunlight for photography of various sides of the structures shall be taken into account when scheduling the photography. Four (4) exterior and four (4) interior views of the project shall be photographed, as directed by the architect / engineer. Photography shall be completed using a large-format (4x5”) view-camera, employing perspective correction on all views. Four (4) additional detail photographs will be taken using medium-format (2-1/4”) film, or digital photographic camera equipment with a minimum memory capacity of 11-12 megapixels. Color proofs shall be submitted for future reference, along with (3)* color, smooth-surface, 8x10 inch prints from each view photographed. Descriptive labels shall not be applied to final photographs, but all prints shall bear the photographer’s name and/or trademark on the reverse side.

*Order additional sets of photographs, as needed, for contractor, engineer, architect, owner, investors, etc...

[ALTERNATE REQUIREMENT -- Consider enlargements; perhaps 16x20 or 20x24 inch prints].

One (1) digital image file of each view photographed shall be provided on CD-ROM, along with a contact proof sheet which shows the CD-ROM contents, and provides a color/density guide for future reproductions of those digital files. Files shall be produced in 300dpi resolution, TIF format, at a long dimension of 10 inches, in Adobe 1998 color space.

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Negatives and original digital master files shall be archived with the photographer for a minimum of three (3) years, with additional prints and/or usage rights available at prevailing rates.**

OPTIONAL REQUIREMENT -- The photographer, as copyright owner, shall transfer usage rights to the architect / engineer / owner, granting unlimited reproduction of these final construction photograph images. The architect / engineer / owner shall be permitted to reproduce these images as they wish, without limitation, for marketing and/or editorial purposes for their respective organization(s). In accordance with US Federal Copyright Law, a photographer photo-credit and an appropriate copyright symbol shall appear with all published images; use of these images by other than the grantee(s) will require additional permission from the photographer, as copyright owner.

**In the case of final architectural photography, the requirement for permanent release of negatives and/or digital files to the project owner will certainly involve the transfer of usage rights (under U.S. Copyright Law) and in turn will incur significant additional costs for transfer of those rights, and for physical ownership. A less expensive alternative might be to leave the negatives on file with the photographer, and negotiate these fees if and when the need arises.

SEE VOLUME 3SV – SHORT VERSION

See **VOLUME 4**, for additional information regarding;
'DELIVERY OF CONSTRUCTION PHOTOGRAPHS IN DIGITAL FORM' and
'SEARCHABLE CD-ROM ARCHIVING OF CONSTRUCTION PHOTO DIGITAL FILES'



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OUR COMPLETE
SPECIFICATION WORDING LIBRARY
IS AVAILABLE ONLINE AT
www.P-Tn.com

VOLUME 1 - PHOTO DOCUMENTATION OF SURFACE CONDITIONS FOR STREET AND PIPELINE PROJECTS

P-Tn RoutePHOTOS
P-Tn RouteSCANS

VOLUME 1SV – SHORT VERSION of VOLUME 1

VOLUME 2 - AUDIO-VIDEO TAPE RECORDINGS OF PROJECT SITE SURFACE CONDITIONS --- a SHORT VERSION is available.

P-Tn VideoRECORDS

VOLUME 2SV – SHORT VERSION of VOLUME 2

VOLUME 3 - BUILDING CONSTRUCTION PROGRESS PHOTOS --- a SHORT VERSION is available.
AIRCRAFT OR LOW-LEVEL / GROUND-BASED AERIAL PROGRESS PHOTOGRAPHY
plus FINAL ARCHITECTURAL PHOTOGRAPHY

P-Tn ProgressPHOTOS
P-Tn Aerial Progress Photography
P-Tn TetherBLIMP Aerial Progress Photography

VOLUME 3SV – SHORT VERSION of VOLUME 3

VOLUME 4 - DELIVERY OF CONSTRUCTION PHOTOGRAPHS IN DIGITAL FORM
plus SEARCHABLE CD-ROM ARCHIVING OF CONSTRUCTION PHOTO DIGITAL FILES

P-Tn ProgressSCANS
P-Tn RouteSCANS
P-Tn Searchable CD-ROM Archive

VOLUME 5 - PRIORITY-SCHEDULED DELIVERY OF CONSTRUCTION PHOTOGRAPHS VIA THE INTERNET

P-Tn PhotoWALKTHRU
P-Tn WebGALLERY

VOLUME 6 - ON-SITE 'LIVE' INTERNET DIGITAL IMAGE CAPTURE, FOR IMMEDIATE DELIVERY TO INTERNET WEBSITES

P-Tn ProgressCAM
P-Tn ProgressCAMpics
P-Tn WebWINDOW
P-Tn ProgressCAMovie