

ARCH-GRAMS

Based on a belief that architecture should be available to a wider range of the public, an abbreviated service, is offered for new structures, alterations and additions. ARCH-GRAMS (acronym for ARCH-itectural - diaGRAMS) are a streamlined process offering the mos effective use of an Architect's time; establishing and developing a design, and preparing construction documents. Condensed to the essentials, the system incorporates the creativity of individual DESIGN, the assurances of architectural DOCUMENTATION, and the reliance of professional DILIGENCE.

- DESIGN: An Architect exercises the artistic, relatively inexplicable domain of design. Design requires a rational knowledge of how buildings are put together, how they function, intelligent use of materials, mechanical systems, structures an so on. Architecture, as opposed to mere building, steps beyond just satisfying the particular functional and budgetary requirements. The production of successful architecture possesses that "something extra", an appeal or creative distinction that elevates the value of a project, not the cost.
- DOCUMENTATION; An Architect prepares documents illustrating a project's physical appearance and identifying exactly what a budget is purchasing. Detailed drawings and outline specifications define the scope of work, quality of materials, and workmanship required. Clarity refines costs and insures a project is built as intended, avoiding costly problems, changes and delays.
- DILIGENCE; An Architect is required to be licensed by the State in order to practice. Licensure is governed by rigorous training qualifications and examinations. These regulations serve as a means to protect the public health, safety and welfare. Responsiveness to life safety issues is an obligation to every project. Stamped drawings by a licensed Architect, assures that a capable and competent professional has carefully prepared the documents. documents.

Each project is addressed with an open-minded mix of frank pragmatism and artistic invention. Good design and pragmatic problem solving are mutually inclusive. Emphasis is placed o clear, unified concept generated by the project program, budg context. The solution graphically evolves through an overlay transformation, refining the simplest means to produce the mo powerful results. The concept is initiated and developed in DESIGN-GRAM PHASE, and detailed for implementation in the CONSTRUCT-GRAM PHASE budget CONSTRUCT-GRAM PHASE.

- **DESIGN-GRAM PHASE;** This phase includes evaluating the existing conditions, program requirements and design criteria. From this a concept is initiated through sketches and developed into a final design for client approval.
- CONSTRUCT-GRAM PHASE; This phase includes the preparation of working drawings and outline specifications describing in detail the construction required. These drawings are adequate for obtaining competitive prices, standard building permits, financing, and the physical construction of the project.

FEES

The fairest system of compensation for architectural services of small projects is by the hour at an hourly rate. The client on pays for the amount of time required for services. For clients requiring that a specific amount be stated up-front, an hourly sto-exceed proposal is prepared. The Architect must maintain accurate time records submitted to the client as an invoice at end of each phase. Arch-grams are an abbreviated process utili the time saving practice of DRAWING ECONOMIZING and the use of simplified OUTLINE SPECIFICATIONS. invoice at the ocess utilizing

- DRAWING ECONOMIZING; The most efficient use of drawing time is a shorthand system of just enough carefully organized, clear and simple drawings, avoiding multiplicity of information. There is no need for overly drawn repetitive details that a builder will do routinely or installation instructions that will be supplied by the respective manufacturers. Minimal details that are adequate to ease the builder's comprehension produces less confusion and better work.

 OUTLINE SPECIFICATIONS; Overly wordy specifications are avoided. Instead, project requirements are direct and to the point with just enough information to insure the intentions of the project. Compliance to minimum criteria is placed in an outline format right on the drawings. Itemizing of individua brand name materials and specific manufacturer's catalogue numbered products often consumes more time than can be justified to a client. If specific proprietary products are desired, these materials can be highlighted in a separate product specification for individual pricing. individual

The arch-gram process is a quick, low-tech sketch approach. While the drawings are to scale and as complete as needed, they are drawn freehand. The hand-drawn line, for all its vagaries, invites one to enter the drawing, to explore its contents and to examine its details. Computer generated drawings, however impressive technically, are ultimately intimidating and uninviting. Furthermore, the time consumption and expense of digital conventions are rarely justifiable on small projects. As the purpose of the arch-gram process is to convey a design in a clear and readily understandable format, getting lost in a display of technical draftsmanship is avoided, however spectacular. If a project requires it, I work with an associate who does computer-drafting.

The following drawings are a sample of the sparingly simple and clear DESIGN-GRAMS and CONSTRUCT-GRAMS used for a custom residence, a community residence, a small fire hall and a lakeside cottage. The size, date and cost of each project is identified, along with how many hours and the cost to prepare the design and drawings. As a percentage of the construction cost, the design and drawing fees range from around 1% to almost 3% depending on the complexity; this isn't even half of th typical 6% fee that a realtor would charge to help market a building.

PETRONIO-DAVID RESIDENCE;

Building Size: Building Date: Building Cost: Builder: Design-grams: Construct-grams: Total Architectural Fee:

design-gram

construct-gram

TRACIANN COMMUNITY RESIDENCE; Building Size: Building Date: Building Cost: Builder:

Design-grams & Estimates: Construct-grams: Contract Administration: Total Architectural Fee:

design-gram

construct-gram

BROCKPORT FIRE STATION #5;

Building Size: Building Date: Building Cost:

Builder:

& Estimates: Design-grams Construct-grams: act Administration: Design Services*: Total Architectural Fee:

design-gram

construct-gram

BARNETT/LESTER COTTAGE; Building Size: Building Date: Building Cost:

Builder: Design-grams:

construct-gram

Municipal Approvals*: Construct-grams: Total Architectural F design-gram

DAVID STRABEL R.A.

New York 14420 Brockport, N 585-637-5346 dave@davidstra ı

2001
\$233K (\$80/SF)

Don Hibsch Contracting
24 Hours = \$960
50 Hours = \$2,000
74 Hours = \$2,960 = 1.2% of costs
Builder/Permit Set Construct-grams (plumbing, mechanical or electrical drawings)

Custom Residence 2,207 SF House + 698 SF Garage = 2,905 SF 2001

Residence 2,756 SF House + 504 SF Garage = 3,260 SF 2007 Community \$360K (\$112/SF \$360K (\$112/SF)

J.C. Pilato, Inc.

16 Hours = \$640

100 Hours = \$4,000

27.7 Hours = \$1,110

143.7 Hours = \$1,750 = 1.5% of costs

Bid Set Construct-grams (included complete site, plumbing, mechanical electrical drawings)

Fire Hall 2,467 SE 2013 \$375K (\$152/SF) \$50K sitework + \$30K water main extension + \$20K salvage memorial \$475K total Allied 151 32 32 Hours = \$1,536
20 Hours = \$960
235 Hours \$11,280 = 2.3% of costs
Bid Set Construct-grams for a Public
Works Project (included complete
site, plumbing, mechanical &
electrical drawings)
* Water main extension & memorial
tower salvage design.

Lakeside Cottage 1,356 SF 2015 \$98K (\$72/SF) Warren Construction
7 Hours = \$35
14 Hours = \$70 \$350 \$700 22 Hours = Hours
Builder/Permit \$1,100 \$2,150 Set C ..,... = 2.1% of cos Builder/Permit Set Construct-grams plumbing, mechanical or electrical drawings) * This pre-

This property required Site Plan Approval from the Town Planning Board, requisition of 7 variances from the Zoning Board of Appeals & a Certificate of Consistency from the Waterfront Advisory Committee.