

**Master Planning Committee  
of  
University of Alaska Fairbanks**

MEMORANDUM

Date: May 8, 2009

To: Brian Rogers, Chancellor

  
Approved

5/11/09  
Date

From: Rich Boone, MPC Chair 

Re: MPC Recommendation 2009-02 – Virology Building Sculpture

At MPC's April 9, 2009, meeting, it considered another proposed sculpture for placement on the grounds of the Virology Building on the UAF campus (see attached). A model of the proposed sculpture was present for MPC's inspection. Prior to this meeting, the Campus Landscape and Outdoor Art Subcommittee also viewed the model, and it endorses the sculpture. MPC unanimously (8 – 0) passed the following recommendation:

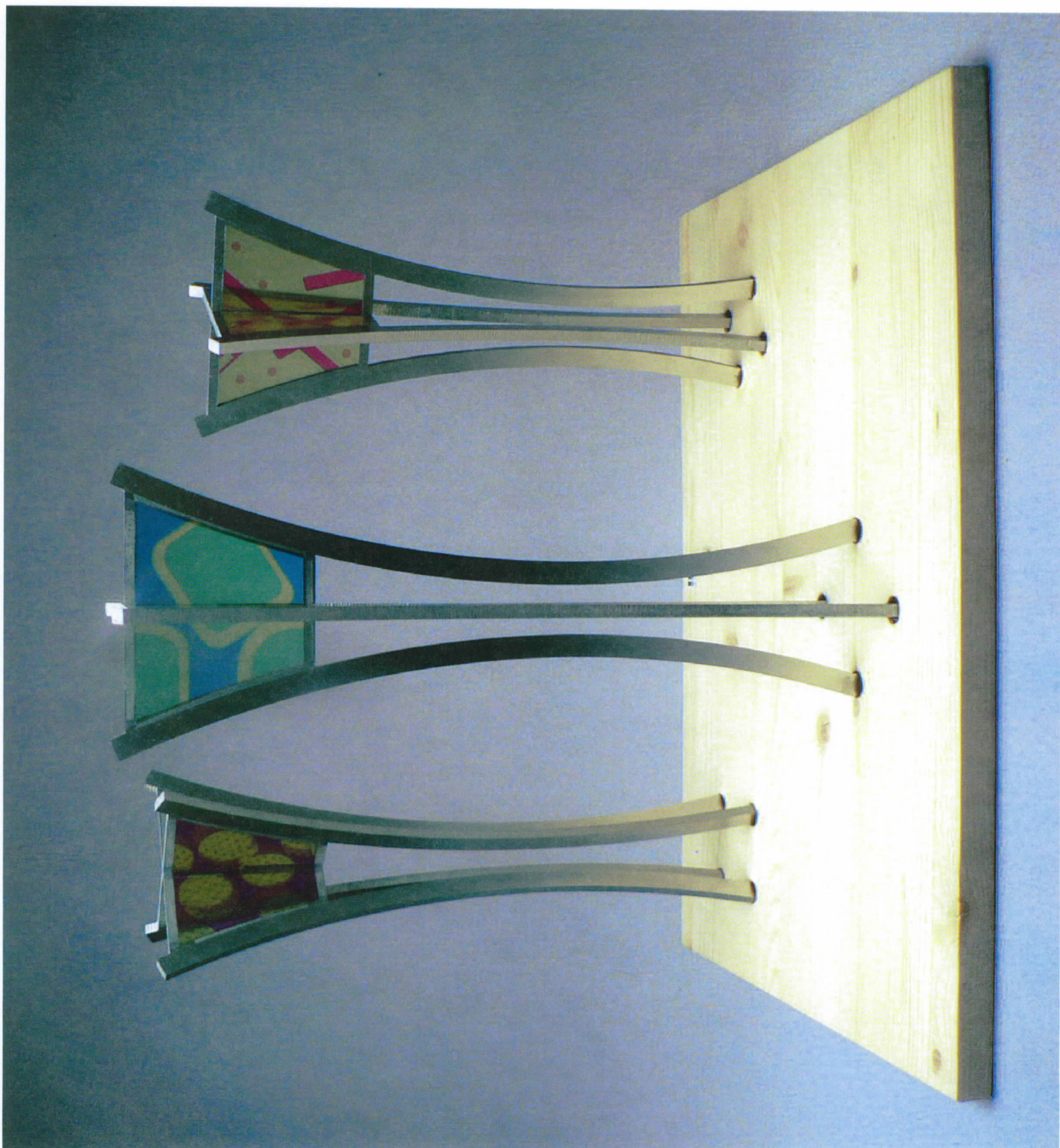
*The Master Planning Committee endorses the proposed exterior sculpture, inspired by the electron micrograph images of viruses, for installation outside the new state Virology Building. We request special consideration be given to the lighting regime, given the extreme differences in the length of daylight and darkness over the year, the properties of the diachroic glass, and the placement on the north side of the building.*

If you are in agreement with MPC's endorsement of this sculpture as stated above, please indicate your approval at the top portion of this document.

dIm

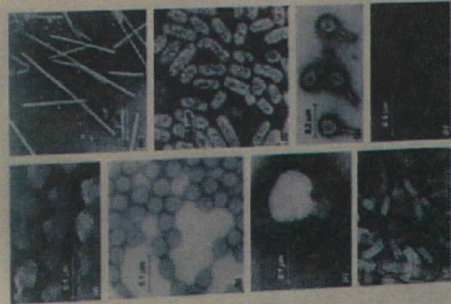
Attachments (as stated)







## Electron Micrograph Inspirations



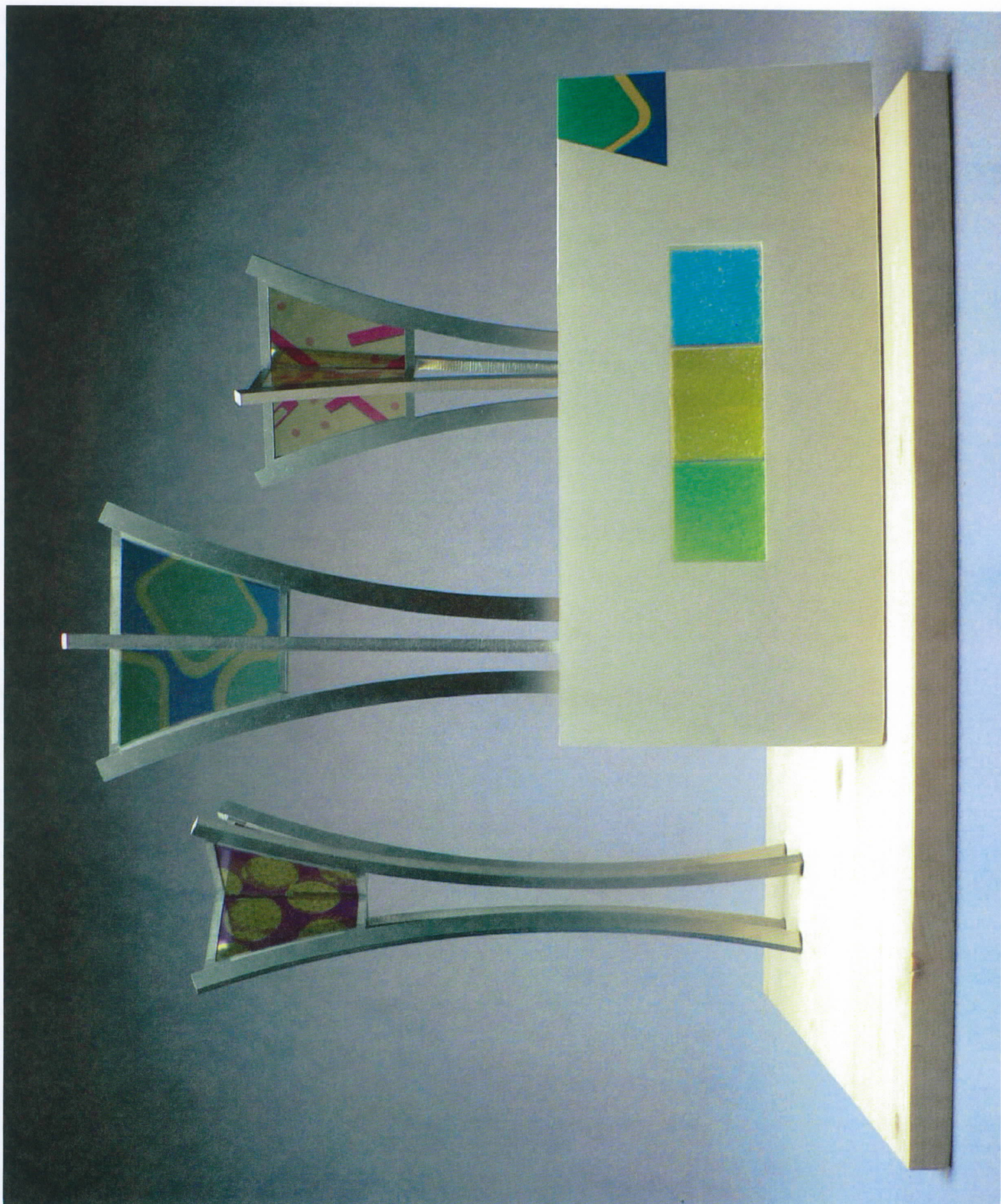
Electron micrographs of highly purified preparations of some viruses. (a) Adenovirus. (b) Rotavirus. (c) Influenza virus (courtesy of George Laver). (d) Tobacco etch virus. (e) Alfalfa mosaic virus. (f) Tobacco etch virus. (g) Tobacco etch virus. (h) M13 bacteriophage.



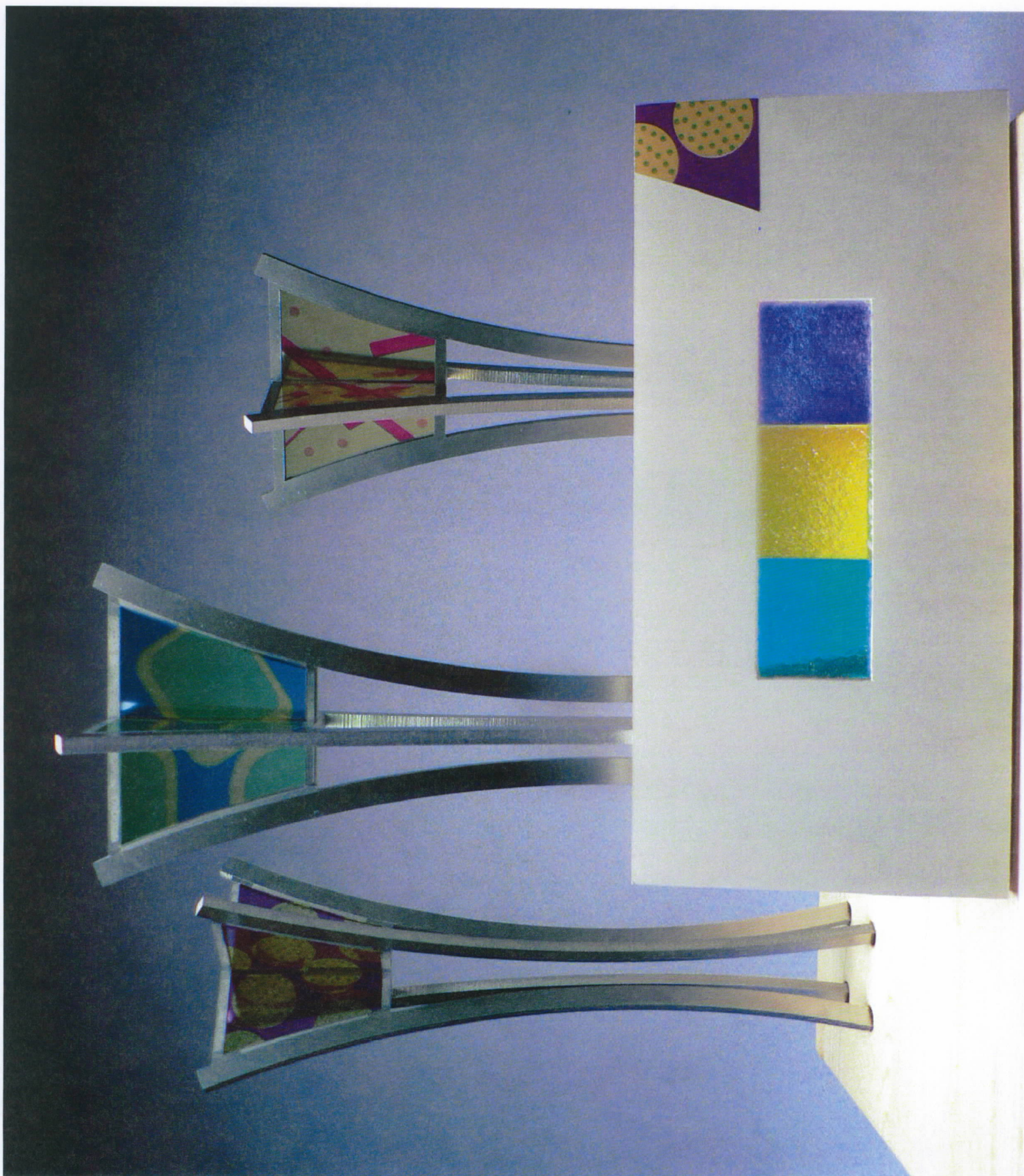














# WEET DESIGN, LLC

March 16, 2009

Matt Tanaka  
State of Alaska Department of Transportation & Public Facilities  
2200 East 42nd Avenue  
Anchorage, AK 99508

Subject: DHSS Virology Lab on the UAF Campus  
Exterior Sculpture – Inspired by electron micrograph images of viruses.

Dear Art Selection Committee:

Thank you for the opportunity to create a sculpture that compliments the architectural design of the Virology Lab while gracefully symbolizing its purpose – to promote and protect public health through the diagnosis and surveillance of human viral diseases.

As requested at our February meeting, we have revised our proposal. Please find enclosed:

1. a modified model of our three tower sculpture inspired by electron micrograph images of viruses. At your suggestion, we have made unique sizes for each tower. They are 14', 13' and 12' high. The models are a 1" to 1' scale. *(To give a lighter feel, the horizontal cross bars will actually be 30% less in height.)*
2. a plan view drawing noting the installation locations for each sculpture tower. The placement allows for maximum viewing from inside as well as outside the building.
3. a fused glass sample made of the dichroic glass selected at our February meeting. It is made in the abstracted design of the Rotavirus.
4. a color sample board of dichroic glass with the electron micrograph imagery that inspired our design. *(Please note these are a reference to color families, ie., blue, purple, yellow, etc. We will have custom glass made to our specifications and the colors may vary slightly within each family.)*

While viewing these, please hold them up to a light source to see the colors with light transmitting through the glass. Then, slowly turn 180 degrees away from the light source and notice how the color changes when it reflects light. It is a dynamic effect and one that will be especially exciting in the winter.

5. two pages providing technical information for the laminating material we will use to make the art-glass into safety glass. The data shows it to be both UV stable and impermeable to moisture.

Please feel free to contact us if you have any questions or concerns.

Regards,

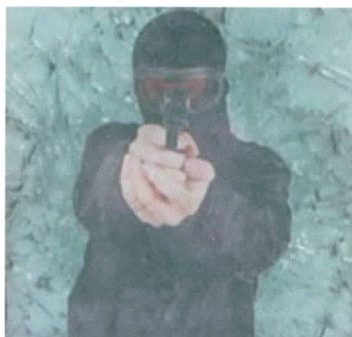
   
Barbara Yawit & Andy Daoust

P.O. Box 110750 Anchorage, AK 99511-0750  
907-345-7100 phone 907-345-7155 fax

# Polylam

For the ultimate in lightweight security glazing. Glasslam offers fully laminated combinations of glass, polycarbonate and acrylic. Using a specially developed PolyLAM™ urethane interlayer, the durability and resilience of glass can be effectively combined with the strength and energy absorbing capabilities of polycarbonate and acrylic. This produces the lightest weight security products available while achieving high levels of protection.

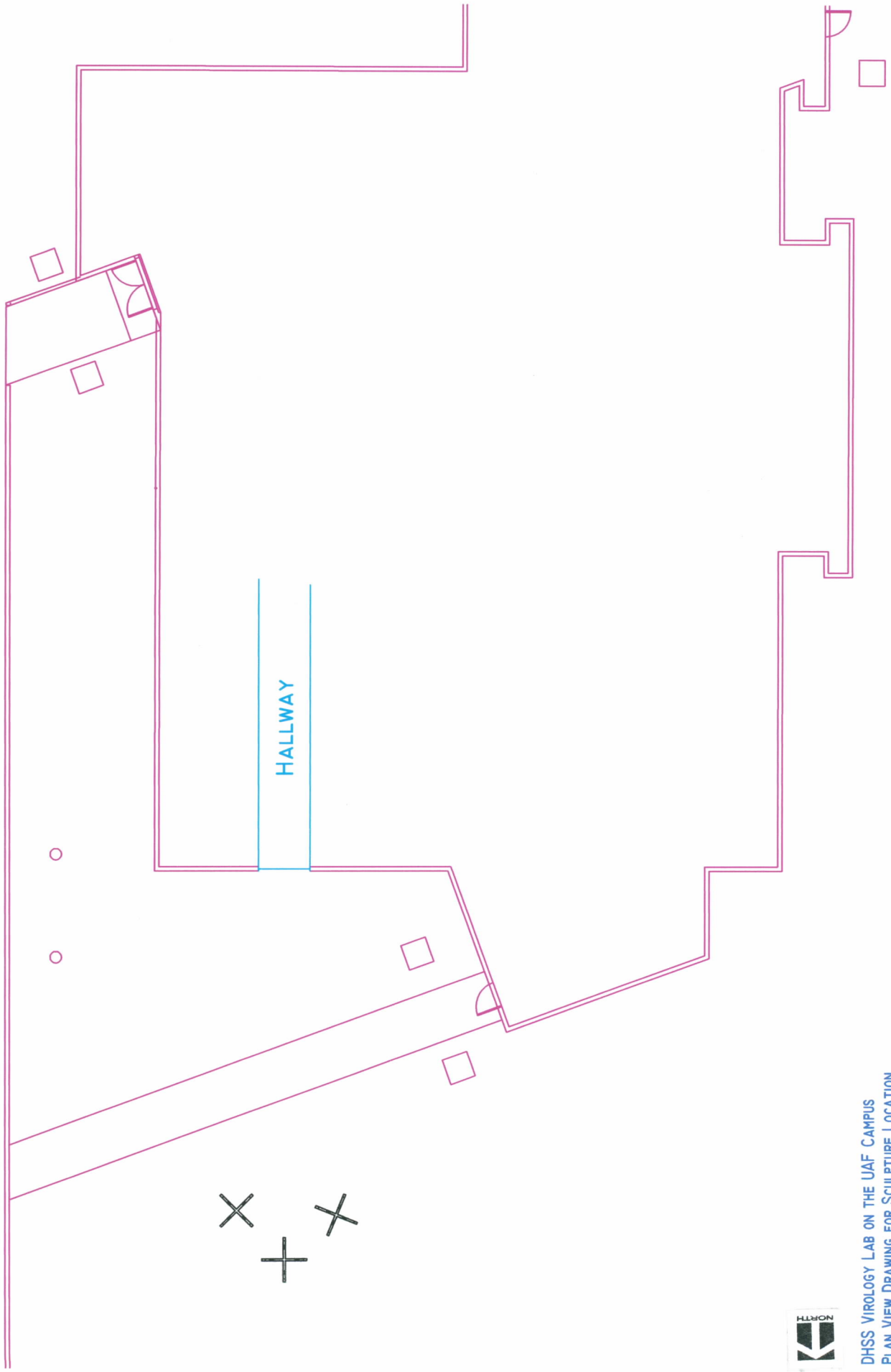
PolyLAM™ urethane is a two-part urethane system which cures and bonds without having external heat applied. This eliminates the distortion, warping and bowing problems encountered with other systems due to the differential expansion of glass, polycarbonate and acrylic. PolyLAM™ has excellent performance properties.



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- Resistance to discoloring

For most bullet resistant applications both the outer and inner surface of the laminate are glass with one or more layers of polycarbonate sandwiched and protected in the center using PolyLAM™ interlayer. For zero spalling applications such as drive through windows, 24 hour retail stores and bank tellers screens, polycarbonate with a scratch resistant coating can be used on the inner surface. This eliminates any damage that may be caused by flying fragments of glass.





DHSS VIROLOGY LAB ON THE UAF CAMPUS  
PLAN VIEW DRAWING FOR SCULPTURE LOCATION  
WEET DESIGN, L.L.C.  
YAWIT AND DAOUST



## Polylam™

Polylam is ideal for all types of lamination especially wet environments where delamination by traditional laminates is a concern. We have special formulations for all types of Architectural Combinations, Bullet Resistant Security Glass, Forced Entry, Sound Control, Hurricane Impact Glass and General Safety Glass Combinations. Polylam has:

- Outstanding Optical Clarity
- Refractive Index Match to Glass
- Distortion Free
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- Excellent Chemical Adhesion to Glass
- Mechanical Glazing Patent No. 5,778,629
- Polycarbonate, Acrylic, Glass Combinations
- Superior Strength to regular laminates
- Flexible, 200% Elongation
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### ☐ Meets International Standards

UL 752  
ASTM 1233  
NIJ 018.01  
BS 50552 Part 1  
EN 1063  
DIN 52290 Part 2

### Cured Properties

|                              |   |
|------------------------------|---|
| Hardness: Shore A            | 70  |
| Tensile Adhesion to Glass    | 112   |
| Flexural Strength            | 1806 psi  |
| Environmental Exposure Tests | Passes Thermal/Humidity Cycling                 |
| Thermal Cycle                | 4.5C (40F) / 74C (165F) 4 Cycles; (12hr./cycle) |
| Humidity Cycle               | 90.5C (195F) / 95% R.H. 48hrs.min               |

| Compatibility    |           |      |
|------------------|-----------|------|
| Water            | 1680 hrs. | Pass |
| Mineral Spirit   | 1681 hrs. | Pass |
| Dow 995 Silicone | 1682 hrs. | Pass |
| G.E. SCS 2800    | 1683 hrs. | Pass |