



**BLACK HAWK COLLEGE  
PURCHASING DEPARTMENT  
6600 34TH AVENUE  
MOLINE, IL 61265**

DATE: August 20, 2009

**RFP 04-10**  
TO BE OPENED ON  
September 3, 2009

**\*\*\*IMPORTANT\*\*\*  
SHOW "RFP 04-10"  
ON OUTSIDE OF  
MAILING ENVELOPE**

**REQUEST FOR PROPOSAL (RFP)  
EAST CAMPUS ATRIUM GLASS REPLACEMENT  
RFP 04-10**

Pursuant to the provisions of Section 3-27.1 of the Illinois Public Community College Act and rules and regulations adopted thereunder, sealed proposals subject to the conditions and requirements made a part hereof **will be received until 2:00 p.m. prevailing local time, on Thursday, September 3<sup>rd</sup>, 2009, in the Conference Room in Building 1 at Black Hawk College, East Campus, located at 26230 Black Hawk Road, Galva, Illinois, 61434-9476, then opened publicly, read aloud and recorded at that time** for furnishing the goods or services described below, to be delivered or performed in at the location stated. Whether or not a proposal is timely shall be determined by reference to the clock located in the Conference Room of the College, and the determination of whether or not a proposal is timely in accordance with that clock shall be at the sole discretion of the Black Hawk College Purchasing Office and Board of Trustees, whose decision on that issue shall be final.

REFER INQUIRIES TO: **MIKE MELEG  
BLACK HAWK COLLEGE  
6600 34<sup>th</sup> AVENUE  
MOLINE IL 61265**

TELEPHONE: **(309) 796-5002**

EMAIL ADDRESS: **melegm@bhc.edu**

**VENDOR INFORMATION:**

**Contact:**  
**Company:**  
**Address:**  
**City/State/Zip:**  
**Telephone:**  
**Fax Number:**  
**Email Address:**

**GENERAL**

Proposals are subject to the attached Standard Terms and Conditions.

**USING DEPARTMENT**

Campus Wide

## **PRE-PROPOSAL MEETING**

A **MANDATORY** Pre-Proposal meeting will be held at **Wednesday, August 26<sup>th</sup>, 2009 at 2:00 pm** in the **Conference Room in Building 1 at Black Hawk College, East Campus, located at 26230 Black Hawk Road, Galva, Illinois, 61434-9476**. The Pre-Proposal meeting gives the Contractor an opportunity to view the work site, raise any questions, exceptions, or additions they have concerning the goods or services to be provided, or this RFP document. If a Contractor discovers any significant ambiguity, error, conflict, discrepancy, omission, or other deficiency in this RFP, the Contractor should raise these issues at the meeting.

## **TIME TABLE**

<b>DATE</b>	<b>EVENT</b>
August 20, 2009	Mailing of Request for Proposal RFP 04-10
August 26, 2009	Pre-Proposal Meeting at 2:00 p.m.
September 3, 2009	Proposals due at 2:00 p.m.
September 17, 2009	Anticipated Board of Trustees Approval
September 18, 2009	Anticipated Contract Award

## **PROPOSAL PRICE**

<b>BASE BID 1</b>	
<b>PRICE: \$</b> _____	
<b>COMMITTED DATE TO BEGIN PROJECT: Month</b> _____ <b>Day</b> _____ <b>Year</b> _____	
<b>COMMITTED DATE OF COMPLETION: Month</b> _____ <b>Day</b> _____ <b>Year</b> _____	

<b>BASE BID 2</b>	
<b>PRICE: \$</b> _____	
<b>COMMITTED DATE TO BEGIN PROJECT: Month</b> _____ <b>Day</b> _____ <b>Year</b> _____	
<b>COMMITTED DATE OF COMPLETION: Month</b> _____ <b>Day</b> _____ <b>Year</b> _____	

## PROJECT SCOPE:

1. Location: South Entrance to Building 2, Black Hawk College East Campus
2. Base Bid 1: Replace ALL glass panels (approximately 129 panels) on the Four Seasons Sunroom located at the south entrance of Building 2. Remove and replace resilient base along interior wall of Sunroom. Remove wood at interior sill of Sunroom and replace with aluminum trim. Clean wall on interior below window system.
3. Base Bid 2: Replace all damaged glass panels (approximately 58 panels) on the Four Seasons Sunroom located at the south entrance of Building 2. Remove and replace resilient base along interior wall of Sunroom. Remove wood at interior sill of Sunroom and replace with aluminum trim. Clean wall on interior below window system.
4. Project Summary: Refer to General Requirements, Project Summary, included.
5. Prebid meeting: A **mandatory** pre-bid meeting will be held at the job site. At this time Black Hawk College will identify the damaged panels in need of replacement for Base Bid 2 as per BHC's panel schedule, included.
6. Glazing: Refer to Openings, Glazing, included.
7. Resilient wall base: Provide base complying with ASTM F1861, rubber homogenous material, with matching end stops and preformed or molded corner units, and as follows:
  - A. Manufacturers: Products of the following manufacturers, provided they comply with requirements of the contract documents, will be considered acceptable:
    1. Armstrong / Rubber
    2. Johnsonite / Traditional Rubber
    3. Roppe / Pinnacle
  - B. Height: 4" high.
  - C. Thickness: 1/8".
  - D. Length: Coils in manufacturer's standard length.
  - E. Styles: Cove base with toe
  - F. Finish: Matte.
  - G. Colors: As selected by the Owner from manufacturer's standard selection.
8. Aluminum Trim:
  - A. Thickness: 0.040" thick.
  - B. Size: Verify size in field. Trim to be located on interior on Sunroom under existing window wall.
  - C. Finish: Class I, Color Anodic Finish: Match color of existing aluminum framing.
9. Drawings: Refer to A101 and A102, included. Refer to attached "BHC Panel Schedule" spread sheet for locations of panels to be replaced per Base Bid #2.

## GENERAL REQUIREMENTS, PROJECT SUMMARY

### 1. WORK INCLUDES

- A. Work covered by contract documents: Removal and replacement of glazing for the Four Seasons sunroom located at the south entrance of Building 2 on the East Campus of Black Hawk College. The project also includes removal of used blocking, flashing installation, and resilient base replacement on the interior of the Atrium.

### 2. DEFINITIONS. The following terms are used throughout the contract documents. The work will be governed in accord with the definitions.

- A. Fabricated: "Fabricated" pertains to items specifically assembled or made of selected materials or components to meet individual design requirements.
- B. Manufactured: "Manufactured" means standard units, usually mass produced by an established manufacturer of the respective item.
- C. Provide: "Provide" means furnish and install.
- D. Shop fabricated or shop made: "Shop fabricated or shop made" refers to items made by the Contractor in his own shop.

### 3. INSURANCE. Prior to beginning any work at any Black Hawk College location, facility, or property, the Contractor shall furnish a Certificate of Insurance evidencing the existence of the following coverages:

- A. Commercial General Liability
  - 1. General Aggregate Limit - \$2,000,000
  - 2. Products – Completed Operations Aggregate Limit - \$2,000,000
  - 3. Personal and Advertising Injury Limit - \$1,000,000
  - 4. Each Occurrence Limit - \$1,000,000
- B. Automobile Liability
  - 1. Each Accident - \$1,000,000.
- C. Workers Compensation - Statutory
- D. Employers Liability
  - 1. Bodily Injury By Accident - \$500,000 each accident
  - 2. Bodily Injury By Disease - \$500,000 each employee
  - 3. Bodily Injury By Disease - \$500,000 policy limit

Black Hawk College, its employees and Black Hawk College Board of Trustees shall be named as Additional Insureds with respect to Commercial General and Automobile Liability Coverages. The Certificate shall provide not less than 30 days advance notice in writing in the event of change or cancellation. The Contractor's insurance carrier shall waive subrogation; such stipulation shall be indicated on the Certificate of Insurance.

### 4. CONTRACT

- A. Construct project under a single combined contract, as the General Contractor, in accordance with Supplementary Conditions, and including the following work:
  - 1. General Work.

## 5. CONTRACTOR USE OF PREMISES

- A. Contractor to prepare and submit Site Logistics Plan for Architect and Owner approval prior to start of Work.
- B. Confine operations at site to areas permitted by:
  - 1. Law
  - 2. Permits
  - 3. Contract
  - 4. Drawings
  - 5. Owner's representative
    - a. Confer with Owner's representative and obtain full knowledge of all site rules and regulations affecting work.
    - b. Conform to site rules and regulations while engaged in project construction.
    - c. Site rules and regulations take precedence over others that may exist outside such jurisdiction.
    - d. Employee list: The Owner's representative may examine Contractor's list of employees, including those of his subcontractors and their agents.
    - e. Vehicle use: Rigidly enforce the following:
      - 1) Keep all vehicles, mechanized or motorized equipment locked at all times when parked and unattended on the Owner's premises.
      - 2) Parking: Permitted only in areas designated by Drawings.
- C. Do not unreasonably encumber site with materials or equipment.
- D. Do not load structures with weight that will endanger structure.
- E. Assume full responsibility for protection and safekeeping of products stored on premises.
- F. Move all stored products or equipment which interfere with operations of the Owner.
- G. Obtain and pay for use of additional storage or work area needed for operations.
- H. Use of Site: Confine operations at site to areas as designated by Contract Documents.
- I. Fire Protection:
  - 1. Fires: Contractor shall prohibit the lighting of fires about the premises and use due diligence to see that refuse and such not be burned at the construction site. Promptly remove all refuse and such from the site for legal disposal. Prevent the accumulation of combustibles on the site or within the building.
  - 2. Welding and cutting: It shall be the responsibility of each contractor to take precautionary measures to prevent fire.
  - 3. Heaters: The heaters in Contractor's job offices shall be properly installed to protect combustible walls, floors, and roof. Salamander heaters or other types of open

flame heaters shall not be used except with the special permission of Owner, and then only when such heaters are maintained under constant supervision.

4. Flammables: Gasoline and other fuels shall be kept and handled in accord with NFPA and in UL listed and labeled safety cans, and shall be stored away from hazardous work areas.

J. Smoking inside of the existing building, including those areas associated with the work of this contract, will not be permitted. Smoking on the premises outside of the building will be permitted only in designated smoking areas. Construction personnel, with the permission of the Contractor, may smoke in the construction trailer, provided:

1. The Architect and the Owner have no objections.

2. Smoking is confined to the Contractor use areas only - not in the areas used and/or occupied by the Architect or the Owner's Representative.

## 6. HAZARDOUS MATERIALS

A. No asbestos containing materials, lead based paints, or other hazardous materials shall be furnished or installed in this work.

## 7. OWNER OCCUPANCY

A. The Owner will occupy the premises during the construction; however the Atrium will not serve as an entrance / exit during construction. All foot traffic will bypass the Atrium until work is completed.

B. Cooperate with the owner to minimize conflict, and to facilitate the Owner's operations.

C. Schedule the Work to accommodate these requirements.

## OPENINGS, GLAZING

### 1. GENERAL

#### A. WORK INCLUDES

1. Base Bid #1.
  - a. General Contractor provide: **Complete** glazing replacement for the existing Four Seasons Sunroom located at the south entrance of Building 2 on the East Campus of Black Hawk College.
2. Base Bid #2.
  - a. General Contractor provide: **Partial** glazing replacement for the existing Four Seasons Sunroom located at the south entrance of Building 2 on the East Campus of Black Hawk College

#### B. DEFINITIONS

1. Manufacturer denotes the producer of primary glass, or raw glass, plastic, or panel components. Fabricator indicates the producer who takes the Primary product and in turn tempers, laminates, insulates, cuts, breaks, drills, forms, or otherwise assembles and fabricates various Primary components into fabricated glazing products or Manufactured Units.
2. Deterioration of Coated Glass: Defects developed from normal use that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning coated glass contrary to manufacturer's directions. Defects include peeling, cracking, and other indications of deterioration in metallic coating.
3. Deterioration of Laminated Glass: Defects developed from normal use that are attributed to the manufacturing process and not to glass breakage and practices for maintaining and cleaning laminated glass contrary to manufacturer's directions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated glass standard.
4. Deterioration of Insulating Glass: Failure of the hermetic seal under normal use due to causes other than glass breakage and improper practices for maintaining, and cleaning insulating glass. Evidence of failure is the obstruction of vision by dust, moisture, or film on the interior surfaces of glass. Improper practices for maintaining and cleaning glass do not comply with the manufacturer's directions.

#### C. REFERENCES

1. All references are the current editions unless noted otherwise.

2. ANSI Z97.1: Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
3. American Society for Testing and Materials (ASTM):
  - a. ASTM C 509: Specification for Elastomeric Cellular Preformed Gasket and Sealing Material.
  - b. ASTM C 542: Specification for Lock-Strip Gaskets.
  - c. ASTM C 716: Specification for Installing Lock-Strip Gaskets and Infill Glazing Material.
  - d. ASTM C 719: Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement.
  - e. ASTM C 864: Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.
  - f. ASTM C 920: Specification for Elastomeric Joint Sealants.
  - g. ASTM C 1036: Specification for Flat Glass.
  - h. ASTM C 1048: Specification for Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass.
  - i. ASTM C 1115: Specification for Dense Elastomeric Silicone Rubber Gaskets and Accessories.
  - j. ASTM C 1172: Specification for Laminated Architectural Flat Glass.
  - k. ASTM E 119: Test Methods for Fire Tests of Building Construction.
  - l. ASTM E 152: Methods of Fire Tests of Door Assemblies.
  - m. ASTM E 163: Fire Tests of Window Assemblies.
  - n. ASTM E2190: Standard Specification for Insulating Glass Unit Performance and Evaluation.
4. Insulating Glass Manufacturers Alliance (IGMA) - TM 3000-90: Vertical Glazing Guidelines.
5. 16 CFR Part 1201: Safety Standard for Architectural Glazing Materials.
6. FGMA Glazing Manual.
7. Underwriters Laboratories - BP-1154.
8. UL 972 - Standard for Burglary - Resisting Glazing Material.

#### D. SYSTEM PERFORMANCE REQUIREMENTS

1. General: Provide glazing systems that are produced, fabricated, and installed to withstand normal thermal movement, wind loading, and impact loading (where applicable), without failure including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; and other defects in construction.
2. Glass Design: Glass thicknesses indicated on Drawings or in this Section are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lites for the various size openings in the thicknesses and strengths (annealed or heat-treated) to meet or exceed the following criteria:



- a. Minimum glass thickness, nominally, of lites in exterior walls is 1/4".
  - b. Tinted and heat-absorbing glass thicknesses for each tint indicated are the same throughout Project.
  - c. Minimum glass thicknesses of lites, whether composed of annealed or heat-treated glass, are selected so the worst-case probability of failure does not exceed the following:
    - 1) 8 lites per 1000 for lites set vertically or not over 15E off vertical and under wind action. Determine minimum thickness of monolithic annealed glass according to ASTM E 1300. For other than monolithic annealed glass, determine thickness per glass manufacturer's standard method of analysis including applying adjustment factors to ASTM E 1300 based on type of glass.
    - 2) 1 lite per 1000 for lites set over 15E off vertical and under action of wind or snow.
3. Normal thermal movement results from the following maximum change (range) in ambient and surface temperatures acting on glass-framing members and glazing components. Base engineering calculation on materials' actual surface temperatures due to both solar heat gain and nighttime sky heat loss.
- a. Temperature Change (Range): 120E F, ambient; 180E F, material surfaces.

#### E. SUBMITTALS

- 1. Submit the following:
  - a. Manufacturer's Data – Glazing
    - 1) Submit manufacturer's specifications and installation instructions for each type of glass required.
    - 2) Include test data substantiating that glass complies with specified requirements.
  - b. Manufacturer's Data - Glazing Materials: Submit manufacturer's specifications and installation instructions for each type of glazing sealant and compound, gasket and associated miscellaneous material required. Include manufacturer's published data, or letter of certification, or certified test laboratory report indicating that each material complies with the requirements and is suitable for the applications shown.
  - c. Samples for verification:
    - 1) Glazing: Submit 12" square samples of each type of glass indicated except for clear monolithic glass products.
    - 2) Glazing Sealants/Gaskets: Submit 12" long samples of each color required (except black) for each type of sealant or gasket exposed to view. Install sealant or gasket sample between two strips of material representative in color of the adjoining framing system.

- d. Compatibility test report from manufacturer of insulating glass edge sealant indicating that glass edge sealants were tested for compatibility with other glazing materials including sealants, glazing tape, gaskets, setting blocks, and edge blocks.
  - e. Product test reports for each type of glazing sealant and gasket indicated, evidencing compliance with requirements specified.
2. Submit the following:
    - a. Maintenance data for glass and other glazing materials to include in Operating and Maintenance Manual specified in Division 1.

## F. QUALITY ASSURANCE

1. Manufacturer and Fabricator Qualifications:
  - a. Manufacturers shall be producers of the specified products for this project for a minimum of five years prior to the release date of these contract documents. Fabricators shall be producers of the specified products for this project for a minimum of five years prior to the release date of these contract documents.
  - b. Consistency and quality of the finished products are sought. Whenever the fabricated products are used, the Fabricator and Installer shall arrange to make all fabricated products from the same Primary Manufacturer's batch or order to assure consistent color and quality throughout the project.
2. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, except where more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
  - a. Glass Association of North America Publications: "Glazing Manual." (formerly FGMA)
  - b. AAMA Publications: AAMA TIR-A7 "Sloped Glazing Guidelines" and "Glass Design for Sloped Glazing."
  - c. LSGA Publications: "LSGA Design Guide."
  - d. SIGMA Publications: TM-3000 "Vertical Glazing Guidelines" and TB-3001 "Sloped Glazing Guidelines."
3. Safety Glass: Products complying with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for Category II materials.
  - a. Subject to compliance with requirements, provide safety glass permanently marked with certification label of Safety Glazing Certification Council (SGCC) or other certification agency acceptable to authorities having jurisdiction.
4. Insulating Glass Certification Program: Provide insulating glass units permanently marked either on spacers or at least one component lite of units with appropriate certification label of inspecting and testing agency indicated below:
  - a. Insulating Glass Certification Council (IGCC).
  - b. Associated Laboratories, Inc. (ALI).

- c. National Certified Testing Laboratories (NCTL).
- 5. Glazier Qualifications: Engage an experienced glazer who has completed glazing similar in material, design, and extent to that indicated for Project with a record of successful in-service performance.
- 6. Single-Source Responsibility for Glass: Obtain glass from one source for each product indicated below:
  - a. Primary glass of each (ASTM C 1036) type and class indicated.
  - b. Heat-treated glass of each (ASTM C 1048) condition indicated.
  - c. Laminated glass of each (ASTM C 1172) kind indicated.
  - d. Insulating glass of each construction indicated.
- 7. Single-Source Responsibility for Glazing Accessories: Obtain glazing accessories from one source for each product and installation method indicated.
- 8. Pre-Installation Conference: Conduct conference at Project site to comply with requirements of Section 01 3119 - Project Meetings.

#### G. DELIVERY, STORAGE, AND HANDLING

- 1. Protect glazing materials to comply with manufacturer's directions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
  - a. Where insulating glass units will be exposed to substantial altitude changes, comply with insulating glass fabricator's recommendations for venting and sealing to avoid hermetic seal ruptures.

#### H. PROJECT CONDITIONS

- 1. Environmental Conditions: Do not proceed with glazing when ambient and substrate temperature conditions are outside the limits permitted by glazing materials manufacturer or when glazing channel substrates are wet from rain, frost, condensation, or other causes.
  - a. Install liquid sealants at ambient and substrate temperatures above 40E F.
- 2. Measurement Procedures: Glass products shall be field-measured from the assembled frames by the furnishing and installing technicians after framing is installed on-site unless rough openings, frame sizes, and glass have been predetermined. When it has been determined by the contractor that predetermined glass sizes are desired to meet the project schedule, it shall be the responsibility of the contractor to guarantee that the required opening sizes will be constructed, in accordance with the reviewed shop drawings.

#### I. WARRANTY

- 1. General: Warranties specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and

will be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.

2. **Manufacturer's Warranty on Coated Glass Products:** Submit written warranty signed by coated glass manufacturer agreeing to furnish replacements for those coated glass units that deteriorate as defined in "Definitions" article, f.o.b. point of manufacture, freight allowed Project site, within specified warranty period indicated below. Warranty covers only deterioration due to normal conditions of use and not to handling, installing, and cleaning practices contrary to glass manufacturer's published instructions.
  - a. **Warranty Period:** Manufacturer's standard but not less than 5 years after date of Substantial Completion.
3. **Manufacturer's Warranty on Laminated Glass:** Submit written warranty signed by insulating glass manufacturer agreeing to furnish replacements for those laminated glass units that deteriorate as defined in the "Definitions" article, f.o.b. point of manufacture, freight allowed Project site, within specified warranty period indicated below. Warranty covers only deterioration due to normal conditions of use and not to handling, installing, and cleaning practices contrary to glass manufacturer's published instructions.
  - a. **Warranty Period:** Manufacturer's standard but not less than 5 years after date of Substantial Completion.
4. **Manufacturer's Warranty on Insulating Glass:** Submit written warranty signed by manufacturer of insulating glass agreeing to furnish replacements for insulating glass units that deteriorate as defined in "Definitions" article, f.o.b. point of manufacture, freight allowed Project site, within specified warranty period indicated below. Warranty covers only deterioration due to normal conditions of use and not to handling, installing, protecting, and maintaining practices contrary to glass manufacturer's published instructions.
  - a. **Warranty Period:** Manufacturer's standard but not less than 10 years after date of Substantial Completion.

## 2. PRODUCTS

### A. PRIMARY FLAT GLASS (TYPE I - TRANSPARENT GLASS)

1. Float or plate glass annealed uncoated:
  - a. Minimum quality requirements as specified in ASTM C 1036 for cut sizes and the following classifications:
    - 1) Class: 2 (tinted glass: both heat-absorbing and light reducing).
    - 2) Quality: q<sup>3</sup> - glazing select, q<sup>5</sup> - glazing B.
  - b. Tint Color: As chosen by Owner to match existing.
  - c. Thickness: 1/4".

- d. Manufacturer:
  - 1) AFG Industries, Inc.
  - 2) Ford Glass Division
  - 3) Guardian Industries
  - 4) LOF-Pilkington
  - 5) PPG Industries
  - 6) Saint – Gobain

B. HEAT TREATED FLAT GLASS (TYPE II - TRANSPARENT GLASS)

- 1. Float or plate glass (annealed), uncoated and heat treated by horizontal (roller - hearth) process.
  - a. Minimum Quality Requirements as specified in ASTM C 1048 ANSI Z 97.1 CPSC 16 CFR 1201 and the following classifications:
    - 1) Class: 2 (tinted glass: both heat absorbing and light reducing).
    - 2) Quality: q<sup>3</sup> - glazing select
    - 3) Kind: HS - Heat strengthened glass (7,500 PSI) FT - Fully tempered glass (10,000 PSI)
    - 4) Condition: A (uncoated surfaces)
  - b. Tint Color: As selected by Owner to match existing.
  - c. Thickness: 1/4"
  - d. Manufacturer:
    - 1) AFG Industries, Inc.
    - 2) Saint - Gobain (Euroglass Glasrep Corp)
    - 3) Guardian Industries Corp.
    - 4) HGP Industries
    - 5) PPG Industries, Inc.
    - 6) Viracon, Inc.

C. LAMINATED GLASS TYPE II - Heat-Treated Transparent Glass

- 1. Float or plate glass annealed, uncoated and heat treated by horizontal (roller - hearth) process.
- 2. Kind and Composition of laminated glass: LA - Two lites of annealed transparent glass.
  - a. Minimum quality requirements as specified in ASTM C 1172 ANSI Z 97:1 CPSC 16 CFR 1201 and the following classifications:
    - 1) Class: 2 (tinted glass: both heat absorbing and light reducing
    - 2) Quality: q<sup>3</sup> - glazing select
    - 3) Kind: HS - Heat strengthened glass (7,500 PSI) FT - Fully tempered glass (10,000 PSI)

- 4) Condition: A (uncoated surfaces)
  - 5) Thickness: 1/4".
3. Interlayer: Interlayer material as indicated below, in clear or colors, and of thickness indicated with a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after laminating glass lites and installation.
    - a. Interlayer Material: Polyvinyl butyral sheets.
    - b. Available Products: Subject to compliance with requirements, the plastic interlayer products that may be incorporated in the Work include, but are not limited to, the following:
      - 1) Polyvinyl Butyral Interlayer:
        - a) Saflex, Monsanto Co.
        - b) Butacite, E. I. du Pont de Nemours & Co., Inc.
  4. Laminating Process: Fabricate laminated glass to produce glass free of foreign substances and air or glass pockets as follows:
    - a. Laminate lites with polyvinyl butyral interlayer in autoclave with heat plus pressure.

#### D. INSULATING GLASS PRODUCTS

1. Sealed Insulating Glass Units: Preassembled units consisting of organically sealed lites of glass separated by dehydrated air spaces complying with ASTM E2190 and with other requirements indicated.
  - a. For properties of individual glass lites making up units, refer to requirements specified elsewhere in this Section applicable to types, classes, kinds, and conditions of glass products comprising lites of insulating glass units.
  - b. Provide heat-treated, coated float glass of kind indicated or, if not otherwise indicated, Kind HS (heat strengthened) where recommended by manufacturer to comply with system performance requirements specified and Kind FT (fully tempered) where safety glass is designated or required.
  - c. Low-E Coatings: Low-emissivity coatings shall consist of a metallic-oxide coating applied by pyrolytic deposition process during initial manufacture.
  - d. Performance characteristics designated for coated insulating glass are nominal values based on manufacturer's published test data for units with lites 6 mm thick and nominal 1/2" dehydrated space between lites, unless otherwise indicated.
  - e. U-values are expressed as Btu/hr x sq. ft. x deg F.

#### E. ELASTOMERIC GLAZING SEALANTS

1. General: Provide products of type indicated, complying with the following requirements:
  - a. Compatibility: Select glazing sealants and tapes of proven compatibility with other materials they will contact, including glass products, seals of insulating

- glass units, and glazing channel substrates, under conditions of installation and service, as demonstrated by testing and field experience.
- b. Suitability: Comply with sealant and glass manufacturer's recommendations for selecting glazing sealants and tapes that are suitable for applications indicated and conditions existing at time of installation.
  - c. Colors: Provide color of exposed joint sealants to comply with the following:
    - 1) Provide selections made by Architect from manufacturer's full range of standard colors for products of type indicated.
2. Elastomeric Glazing Sealant Standard: Provide manufacturer's standard chemically curing, elastomeric sealants of base polymer indicated that comply with ASTM C 920 requirements indicated on each Elastomeric Glazing Sealant Product Data Sheet at the end of this Section, including those referencing ASTM classifications for Type, Grade, Class and Uses.
    - a. Additional Movement Capability: Where additional movement capability is specified in Elastomeric Glazing Sealant Product Data Sheet, provide products, when tested for adhesion and cohesion under maximum cyclic movement per ASTM C 719, with the capability to withstand the specified percentage change in the joint width existing at time of installation and remain in compliance with other requirements of ASTM C 920 for uses indicated.

#### F. GLAZING TAPES

1. Back-Bedding Mastic Glazing Tape: Preformed, butyl-based elastomeric tape with a solids content of 100%, non-staining and non-migrating in contact with nonporous surfaces, with or without spacer rod as recommended by tape and glass manufacturers for application indicated, packaged on rolls with a release paper backing, and complying with AAMA 800 for products indicated below:
  - a. AAMA 804.3.
  - b. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
  - c. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
2. Expanded Cellular Glazing Tape: Closed-cell, polyvinyl chloride foam tape, factory coated with adhesive on both surfaces, packaged on rolls with release liner protecting adhesive, and complying with AAMA 800 for product 810.5.
3. Available Products: Subject to compliance with requirements, glazing tape that may be incorporated in the Work include, but is not limited to, the following:
  - a. Back-Bedding Mastic Glazing Tape Without Spacer Rod:
    - 1) PTI 303 Glazing Tape (shimless)/Protective Treatments, Inc.
    - 2) S-M 5700 Poly-Glaze Tape Sealant/Schnee-Morehead, Inc.
    - 3) Tremco 440 Tape/Tremco Inc.
    - 4) Extru-Seal/Pecora Corp.
    - 5) PTI 606 Architectural Sealant Tape/Protective Treatments Inc.

- 6) Dyna-Seal/Pecora Corp.
- 7) PTI 626 Architectural Sealant Tape/Protective Treatments, Inc.
- 8) S-M 5710 H.P Poly-Glaze Tape Sealant/Schnee-Morehead, Inc.
- 9) SST-800 Tape/Tremco, Inc.

b. Back-Bedding Mastic Glazing Tape With Spacer Rod:

- 1) PTI 303 Glazing Tape (with shim)/Protective Treatments, Inc.
- 2) Pre-shimmed Tremco 440 Tape/Tremco, Inc.
- 3) PTI 606 Architectural Sealant Tape/Protective Treatments, Inc.

c. Expanded Cellular Glazing Tape: Norseal V-980 Closed-Cell Glazing Tape/Norton Company.

## G. GLAZING GASKETS

1. Lock-Strip Gaskets: Neoprene extrusions in size and shape indicated, fabricated into frames with molded corner units and zipper lock strips, complying with ASTM C 542, black.
2. Dense Compression Gaskets: Molded or extruded gaskets of material indicated below, complying with standards referenced with name of elastomer indicated below, and of profile and hardness required to maintain watertight seal; Installer to verify compatibility with selected sealants:
  - a. EPDM, ASTM C 864.
  - b. Silicone, ASTM C 1115.
  - c. Thermoplastic polyolefin rubber, ASTM C 1115.
  - d. Any material indicated above.
3. Soft Compression Gaskets: Extruded or molded closed-cell, integral-skinned gaskets of material indicated below, complying with ASTM C 509, Type II, black, and of profile and hardness required to maintain watertight seal; Installer to verify compatibility with selected sealants:
  - a. EPDM
  - b. Silicone.
  - c. Thermoplastic polyolefin rubber.
  - d. Any material indicated above.
4. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include, but are not limited to, the following companies.
  - a. Lock-Strip Gaskets: Stanlock Div., Griffith Rubber Mills.
  - b. Preformed Gaskets:
    - 1) Advanced Elastomer Systems, L.P.
    - 2) Schnee-Morehead, Inc.
    - 3) Tremco, Inc.



## H. MISCELLANEOUS GLAZING MATERIALS

1. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials involved for glazing application indicated, and with a proven record of compatibility with surfaces contacted in installation.
2. Cleaners, Primers and Sealers: Type recommended by sealant or gasket manufacturer.
3. Setting Blocks: Elastomeric material with a Shore A durometer hardness of  $85 \pm 5$ .
4. Spacers: Elastomeric blocks or continuous extrusions with a Shore A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
5. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side-walking).
6. Plastic Foam Joint Fillers: Preformed, compressible, resilient, non-staining, non-extruding, non-outgassing, strips of closed-cell plastic foam of density, size, and shape to control sealant depth and otherwise contribute to produce optimum sealant performance.
7. Perimeter Insulation for Fire-Resistive Glazing: Identical to product used in test assembly to obtain fire-resistive rating.

## I. FABRICATION OF GLASS AND OTHER GLAZING PRODUCTS

1. Fabricate glass and other glazing products in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with recommendations of product manufacturer and referenced glazing standard as required to comply with system performance requirements.

## 3. EXECUTION

### A. EXAMINATION

1. Examine glass framing, with glazier present, for compliance with the following:
  - a. Manufacturing and installation tolerances, including those for size, squareness, offsets at corners.
  - b. Presence and functioning of weep system.
  - c. Minimum required face or edge clearances.
  - d. Effective sealing between joints of glass-framing members.
2. Do not proceed with glazing until unsatisfactory conditions have been corrected.

## B. PREPARATION

1. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings that are not firmly bonded to substrates.

## C. GLAZING, GENERAL

1. Comply with combined recommendations of manufacturers of glass, sealants, gaskets, and other glazing materials, except where more stringent requirements are indicated, including those in referenced glazing publications.
2. Glazing channel dimensions shall provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.
3. Protect glass from edge damage during handling and installation as follows:
  - a. Use a rolling block in rotating glass units to prevent damage to glass corners. Do not impact glass with metal framing. Use suction cups to shift glass units within openings; do not raise or drift glass with a pry bar. Rotate glass lites with flares or bevels on bottom horizontal edges so edges are located at top of opening, unless otherwise indicated by manufacturer's label.
  - b. Remove damaged glass from Project site and legally dispose of offsite. Damaged glass is glass with edge damage or other imperfections that, when installed, weaken glass and impair performance and appearance.
4. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.
5. Install elastomeric setting blocks in sill rabbets, sized and located to comply with referenced glazing standard, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
6. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
7. Provide spacers for glass sizes larger than 50 united inches (length plus height) as follows:
  - a. Locate spacers inside, outside, and directly opposite each other. Install correct size and spacing to preserve required face clearances, except where gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and comply with system performance requirements.
  - b. Provide 1/8" minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
8. Provide edge blocking to comply with requirements of referenced glazing publications, unless otherwise required by glass manufacturer.

9. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
10. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
11. Square cut wedge-shaped gaskets at corners and install gaskets in manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

#### D. TAPE GLAZING

1. Position tapes on fixed stops so that when compressed by glass their exposed edges are flush with or protrude slightly above sightline of stops.
2. Install tapes continuously but not in one continuous length. Do not stretch tapes to make them fit opening.
3. Where framing joints are vertical, cover these joints by applying tapes to heads and sills first and then to jambs. Where framing joints are horizontal, cover these joints by applying tapes to jambs and then to heads and sills.
4. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
5. Do not remove release paper from tape until just before each lite is installed.
6. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

#### E. GASKET GLAZING (DRY)

1. Fabricate compression gaskets in lengths recommended by gasket manufacturer to fit openings exactly, with stretch allowance during installation.
2. Secure compression gaskets in place with joints located at corners to compress gaskets producing a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
3. Install gaskets so they protrude past face of glazing stops.

#### F. SEALANT GLAZING (WET)

1. Install continuous spacers between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel weep

systems until sealants cure. Secure spacers in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.

2. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
3. Tool exposed surfaces of sealants to provide a substantial wash away from glass. Install pressurized gaskets to protrude slightly out of channel to eliminate dirt and moisture pockets.

#### G. LOCK-STRIP GASKET GLAZING

1. Comply with ASTM C 716 and gasket manufacturer's printed recommendations. Provide supplementary wet seal and weep system unless otherwise indicated.

#### H. PROTECTION AND CLEANING

1. Protect exterior glass from breakage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces.
2. Protect glass from contact with contaminating substances resulting from construction operations including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove them immediately as recommended by glass manufacturer.
3. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for build-up of dirt, scum, alkali deposits, or stains, and remove as recommended by glass manufacturer.
4. Remove and replace glass that is broken, chipped, cracked, abraded, or damaged in any way, including natural causes, accidents and vandalism, during construction period.
5. Wash glass on both faces in each area of Project not more than 4 days prior to date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended by glass manufacturer.

#### I. GLAZING SCHEDULE

1. Provide the following glazing types. Unless indicated otherwise, refer to Drawings for locations.
  - a. Type A: 1" (nominal) thick insulated glazing units:
    - 1) Outer pane of 1/4" fully tempered, color to match existing.
    - 2) Inner pane of 1/4" float glass, clear. Pyrolytic low-E coating on the #3 surface.
    - 3) Location: All vertical glazing.

- b. Type B: 1" (nominal) thick insulated glazing units:
  - 1) Outer pane of 1/4" fully tempered, color to match existing.
  - 2) Inner pane of 1/4" float glass, clear. Pyrolytic low-E coating on the #3 surface.
  - 3) Location: All curved glazing.
  
- c. Type C: 1" (nominal) thick insulated glazing units:
  - 1) Outer Lite: 1/4" thick, fully tempered, and with pyrolytic low-E coating on #2 surface, color to match existing.
  - 2) Inner Lite: Two laminated lites of 1/4" thick, heat-strengthened with reflective coating on #3 surface (cavity-side of inner lite).
  - 3) Location: All horizontal overhead glazing.

## **EXAMINATION OF PREMISES**

Contractor shall be held to have examined the work site and satisfied himself as to the existing conditions under which he will be obligated to operate in performing the work.

## **LENGTH OF CONTRACT**

The service specified herein will be furnished from the effective date of the Awarded Contract, and shall continue until the work is completed to the satisfaction of the College, on or before the Contractor's committed date of completion. Nothing herein shall affect the right or remedies of either party to terminate this contract for a material breach thereof, or for any other local cause, including, but not limited to, unsatisfactory service by the Contractor.

## **COLLEGE'S RESPONSIBILITIES**

The College is to provide the Contractor with full and free access to the work site to render service thereon.

## **BID BOND**

The Contractor must include with the proposal a bid deposit in an amount not less than five percent (5%) of the proposed price. Failure of the Contractor to submit the full amount of the required bid deposit will be sufficient cause to reject the proposal. Bid deposits, in the form of certified check, cash, bank drafts, or bid bonds (on the form of bid bond bound herewith duly executed by the Contractor as principal and having as surety thereon a surety company approved by Black Hawk College) are to be made payable to Black Hawk College, Community College District #503.

If a bid bond is submitted, surety thereon must be corporate surety having a policy holder's rating not lower than "A-" and a financial size category (FSC) VIII or larger as specified in the most current issue of Best's Insurance Guide. If no award has been made within 90 days after the date of the opening of proposal, and upon demand of the Contractor so long as the Contractor has not been notified of the acceptance of their proposal, such bid bonds will be returned to the Contractor.

The bid deposits of the successful Contractor will be returned after the Contractor has signed the agreement and has furnished an acceptable performance bond, one copy only, as stipulated. In all other cases, bid deposits will be returned to the Contractors when and as stipulated in the proposal unless previously forfeited to Black Hawk College as provided.

The Contractor who has submitted cash, certified check or bank draft as a bid deposit may, at any time after ten days of the opening of proposals, if their proposal is still being held as provided above and has not been forfeited to Black Hawk College as provided, substitute for the bid deposit a bid bond, duly executed by a Contractor as principal and having as surety thereon a surety company approved by Black Hawk College, in the same amount as the bid deposit. Upon approval thereof by Black Hawk College, said bid deposit will immediately be returned to the Contractor.

If the Contractor fails or refuses to execute and deliver the contract and bonds required within ten days after the Contractor has received notice of the acceptance of the Contractor's proposal, the Contractor shall forfeit the bid deposit to Black Hawk College as liquidated damages for such failure or refusal.

## **PERFORMANCE BOND**

The undersigned Contractor agrees to furnish a properly executed performance bond of a surety company satisfactory to the College in the amount of 100% of the total contract price. The premium

for the bond shall be paid by the bidder, and the cost is included in the contract. No contract subject to a bond will be considered in effect until such has been delivered to the Purchasing Manager.

If the Contractor abandons the work under the contract or fails or refuses to conform with the requirements of the contract, either in workmanship or material, or if at any time the College is of the opinion that the Contractor is willfully violating any conditions of the contract or executing the same in bad faith, or that any part of the work is being unnecessarily delayed, or if the contract or any part thereof shall be assigned or sublet without the written consent of the College, the contract may be canceled.

The College may thereupon call the surety to complete the contract as provided for in the bond. If the contract is canceled under this article, the Contractor shall not be entitled to any damages which may arise or extra costs which may be incurred by it as a result of the failure of the Contractor to carry out the terms of the contract.

Before declaring the contract canceled, the College shall serve upon the Contractor and its surety a notice in writing requiring Contractor and surety to show cause at a time not earlier than seven (7) days, nor later than thirty (30) days after the date of said notice, at a place to be therein designated, why said contract should not be canceled.

#### **QUALIFICATION OF CONTRACTOR**

Please provide brief information regarding the size, organizational and ownership structure of your company. Also include information regarding your current annual sales, total number of employees, number of workers and their experience. Please provide contact information for at least (3) references that you have provided similar services on the Attachment A.

Proposals shall be considered only from Contractors who, in the judgment of the College, are regularly established in business, are financially responsible, and are able to show evidence of satisfactory past performance and competence.

Proposals shall be considered incomplete without a minimum of three references.

#### **CANCELLATION FOR DEFAULT**

If any default in the performance of the terms and conditions occurs by Contractor, the College may immediately cancel the contract by giving written notice of cancellation.

#### **ERRORS AND OMISSIONS**

All documents shall be completed as requested by the College. No claim for errors or omissions in the proposal will be considered. Contractors will be held strictly to the proposal as submitted. Proposals may be withdrawn in writing, facsimile, or in person prior to the closing date and time. No proposal may be withdrawn for a period of **ninety (90)** days following the opening of the proposals.

#### **COMPLETENESS AND COMPLIANCE**

Proposals will be reviewed for completeness and compliance with all requests and requirements, including proposal instructions, specifications, and terms and conditions of the Proposal. Proposals that fail to comply with the essential requests and requirements of the RFP may be rejected as non-responsive and eliminated from further consideration.

#### **COMPLIANCE WITH LEGISLATION**

Contractor's signature shall be construed as acceptance of, and willingness to comply with, all laws of the State of Illinois, including but not limited to preference to citizens of the United States and residents of the State of Illinois, discrimination and intimidation of employees, including Executive Order #11246. Provision of said acts are hereby incorporated by reference and become a part of this proposal and specifications.

### **PREVAILING WAGE**

Contractor's signature shall be construed as acceptance of and willingness to comply with, all provisions of the Illinois Compiled Statutes, Chapter 820, 130/1-130/12, Employment Wages and Hours Prevailing Wage Act. All laborers, workmen and mechanics engaged in construction will be paid not less than the "Prevailing Wage." The Contractor further agrees to provide the Director of Facilities a copy of the certified payroll.

### **FIRM PRICES**

All prices are to be F.O.B. Black Hawk College, Moline, Illinois, freight prepaid. Prices submitted on this document shall be firm for a period of **ninety (90)** days from the due date as stated on the cover sheet of this document. Prices are to be inclusive of all fees, including but not limited to travel, fuel, vehicle fees, environmental/disposal fees, etc.

### **EVALUATION, ACCEPTANCE, NEGOTIATIONS, AND AWARD**

Black Hawk College reserves the right to negotiate with any Contractor considered qualified or to make an award without further discussion. The College highly recommends that the Contractor's initial proposal reflect the terms most favorable to the College. Financial as well as other factors will be considered in the evaluation. Although cost is an important factor, the College is not obligated to award a contract solely on the basis of lowest cost and reserves the right to use other subjective criteria and will make the award as best suits the interests of the College. Perceived inadequacy in any area may disqualify a proposal. Black Hawk College reserves the right to accept or reject any or all proposals or parts thereof, and waive any irregularities if deemed to be more advantageous to the College. The College reserves the right to request additional information or clarification on any matter included in the proposal. Upon selection, Black Hawk College and the Contractor will enter into an appropriate contract setting forth the terms and conditions of the parties' rights and obligations. Such contract will substantially follow the terms set forth herein except that Black Hawk College reserves the right to make changes.

The College will not pay for any information requested nor is it liable for costs incurred by the Contractor in responding to this request. Elaborate proposals (e.g. expensive artwork) beyond that sufficient to present a complete and effective proposal are not necessary or desired.

### **ACKNOWLEDGEMENTS OF ADDENDA**

Signature by company official of the Contractor on original document shall be construed as acknowledgment of receipt of any and all addenda pertaining to this specific proposal. Identification by number of addenda and date issued shall be noted on all proposals submitted.

### **DAMAGES AND NEGLIGENCE**

Contractor agrees to protect, indemnify, and save Black Hawk College, its employees and Black Hawk College Board of Trustees harmless from and against all claims, costs, demands, and causes of action of every kind and nature for injury to or death of any person or persons and for loss or damage to any property occurring in connection with or in any incident to or arising out of occupancy, use, service, operations, or performance of work in connection with the contract, resulting in whole or



in part from the negligent acts or omissions of the Contractor, Contractor's agents, employees, representatives, or subcontractors. Contractor shall be responsible for all damage and loss sustained by Contractor to Contractor's tools and equipment utilized in the performance of all work hereunder.

### **SUPERVISION OF WORK**

The Contractor shall coordinate and cooperate with the Supervisor of Facilities and Campus Services, Ray Jacobs or his designee for all aspects of the work.

### **ASSIGNMENT**

Contractor shall not assign any resultant agreement without the College's prior written consent.

### **INVESTIGATION OF BIDDERS**

The Purchasing Department will make any necessary investigation to determine the ability of the Contractor to fulfill proposal requirements. The Contractor shall furnish such information as may be requested and shall be prepared to show completed projects similar to that of this proposal. Black Hawk College reserves the right to reject any proposal if it is determined that the Contractor is not properly qualified to carry out the obligation of the agreement.

### **INSPECTION**

Upon completion of any work, the College shall reserve the right to make final inspection, and finding the entire work to be in full compliance with all requirements set forth, will accept the work. The Contractor shall maintain all parts of the work at his own expense until final acceptance of the entire work by the College. If any defects or omissions in the work are hidden or concealed at the time of acceptance but become apparent at any time after the final acceptance of the work, the Contractor shall immediately correct and make good the same upon notice by the College, and if the Contractor fails, refuses or neglects to do so, the College may correct and make good the same and the Contractor hereby agrees to pay on demand the cost and expense of doing such work

## INSTRUCTIONS TO BIDDERS

1. Please submit three proposals (**one original typewritten or printed in ink, and two copies**) in a sealed package addressed and clearly marked as follows:

Purchasing RFP 04-10  
Black Hawk College  
6600 34<sup>th</sup> Avenue  
Moline, IL 61265
2. Proposals submitted via fax or E-mail will not be accepted.
3. Provide brief information about your company (see Qualification of Contractor, page 23).
4. One Completed original of the References (Attachment A) must be submitted with your proposal package.
5. Read and comply as applicable with the Standard Terms and Conditions (Attachment B).
6. Two completed original copies of the Execution of Proposal (Attachment C) Form (typewritten or printed and signed in ink) must be submitted with your proposal package.
7. One completed original copy of the Contractor Certification Form (Attachment D) must be submitted with your proposal package.
8. If you will not be responding to this Request for Proposal, you are urged to fill out the Courtesy "No Proposal" Form (Attachment E) and sent to Mike Meleg as directed on the form.
9. One completed original copy of the Guidelines for Contractor and Vendor Disposal of Waste Form (Attachment F) must be submitted with your proposal package.
10. No taxes are to be included in any bid or bid price. Generally, states and political subdivisions are exempt from Federal taxes, such as excise and transportation. To the extent any sales, import or other taxes apply they are to be invoiced as a separate item.
11. Bidders are urged to compute all discounts for prompt payment into the proposal prices, with terms of payment to be Net 30 days. Such proposals may receive preference. If a cash discount is proposed and accepted, it will be considered earned if paid within 30 days after receipt of correct invoice or acceptance of goods, whichever is later.
12. Trade discounts, when quoted, should be reduced to a single percentage.
13. Any proposal or bonds signed by an agent or attorney-in-fact shall be accompanied by evidence of authority.
14. It is the Contractor's responsibility to have the proposal correctly marked and in the Purchasing Office by the specified date and time for opening. **NO EXTENSIONS WILL BE GRANTED.** Unsigned or late proposals will not be accepted.
15. The College will not reimburse the Contractors for any work associated with the submission of this proposal.
16. The College will evaluate all proposals and anticipates it will award an agreement on Friday, September 18, 2009. The College reserves the right to accept and/or reject any or all proposals or parts thereof.

**REFERENCES**  
**(Attachment A)**

Please provide contact information for at least (3) references that you have provided similar services.

1. Company Name and Address:

Contact Name:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Title \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_

Description of work performed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Company Name and Address:

Contact Name:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Title \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_

Description of work performed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Company Name and Address:

Contact Name:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Title \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_

Description of work performed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## TERMS AND CONDITIONS (Attachment B)

1. **Acceptance and Rejection:** Black Hawk College reserves the right to reject any and all bids, to waive any informality in bids and, unless otherwise specified by the bidder, to accept any item in the bid. If either a unit price or extended price is obviously in error or the other is obviously correct, the incorrect price will be disregarded.
2. **Time for Consideration:** Additional consideration may be given to bids allowing not less than 30 days for review and acceptance.
3. **Resale Price Maintenance:** Black Hawk College opposes resale price maintenance in public bidding, and bid prices based on this or other anticompetitive practice will be subject to appropriate remedies.
4. **Non-Discrimination and Affirmative Action:** The Vendor agrees not to discriminate against any client, employee, or applicant for employment or services because of race, creed, color, national origin, sex, marital status, age or the presence of any sensory, mental, or physical disability with regard to, but not limited to, the following: Employment upgrading, demotion or transfer; recruitment or recruitment advertising; layoffs or termination; rates of pay or other forms of compensation; selection for training; rendition of services. It is further understood that any Vendor who is in violation of this clause or any applicable affirmative action program shall be barred forthwith from receiving awards of any purchase order from the State unless a satisfactory showing is made that discriminatory practices or noncompliance with applicable affirmative action programs have terminated and that a recurrence of such acts is unlikely.
5. **Sexual Harassment:** An amendment to the Illinois Human Rights Act requires eligible bidders for state contracts to implement detailed and specific sexual harassment policies. Every party bidding for and/or obtaining a public contract is required to have written sexual harassment policies that must include, at a minimum, a statement that sexual harassment is illegal, the definition of sexual harassment under state law, a description of sexual harassment (utilizing examples), the party's internal complaint process including penalties, the legal recourse, investigative and complaint process available through the Illinois Human Rights Department and the Commission including directions on how to contact the Department and Commission and the applicability of protection against as provided by the Human Rights Act.
6. **Specifications:** Any deviation from the specification set forth must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefor. Deviations should be explained in detail.
7. **Manufacturer's Names:** Any manufacturers' names, trade names, brand names, information and/or catalog numbers used herein are for purpose of description and establishing general quality levels. Such references are not intended to be restrictive and equivalent products of any manufacturer may be offered. Determination of equivalency shall rest solely with Black Hawk College.
8. **Information and Descriptive Literature:** Bidders are to furnish all information requested and in the spaces provided on the bid invitation form. Further, as may be specified elsewhere, each bidder must submit with his bid cuts, sketches, descriptive literature, and/or complete specifications covering the products offered. Reference to literature submitted previously does not satisfy this provision. Bids in non-compliance with these requirements will be subject to rejection.
9. **Condition and Packaging:** Unless otherwise defined in the bid invitation or submission, it is understood and agreed that any item offered or furnished shall be new, in current production and in first class condition, that all containers shall be new and suitable for storage or shipment, and that prices include standard commercial packaging.
10. **Safety Standards:** Manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in accordance with any State or local requirements for labeling or re-examination listing or identification marking of the appropriate safety standard organization, such as the American Society of Mechanical Engineers for pressure vessels, the Underwriters' Laboratories and/or National Electrical Manufacturers' Association for electrically operated assemblies, or the American Gas Association for gas operated assemblies. Further, all items furnished by the successful bidder shall meet all requirements of the Occupational Safety and Health Act (OSHA) and State, local, and federal requirements relating to clear air and water pollution.
11. **Samples:** Samples may be requested as a part of the solicitation or after the opening of bids. When requested, they are to be furnished as called for, free of expense, and if not destroyed will upon request be returned at bidder's expense. Bidder's request for return of samples must be made not later than the date on which they are furnished. Bidder shall label each sample individually with bidder's name and item number.
12. **Governmental Restrictions:** In the event any Governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of any item offered on this bid prior to delivery, it shall be the responsibility of the successful bidder to notify the Purchasing Office at once, indicating in his letter the specific regulation which requires such alterations. Black Hawk College reserves the right to accept any such alteration, including any price adjustments occasioned thereby, or to cancel the contract.
13. **Award, Payment, and Assignment:** Award will be made to the responsive and responsible bidder whose bid is most economical according to criteria designed in the solicitation. Acceptance is to be confirmed by purchase order issued by or on part of the using agency, including shipping and billing instructions; the using agency is responsible for all payments. Neither the contract nor payments due may be assigned except with prior written approval of Black Hawk College Purchasing Agent.
14. **Performance and Default:** Black Hawk College reserves the right to require performance bond from successful bidder. Otherwise, in case of default on part of the contractor Black Hawk College may procure the articles or services from other sources and hold the contractor responsible for any excess costs occasioned thereby. The accepted remedies of force majeure will be considered in assessing any contractor default.
15. **Patents:** The contractor agrees to hold and save Black Hawk College, its officers, agents, and employees harmless from liability of any kind, including costs and expenses, with respect to any claim, action, cost, or judgment for patent infringements arising out of purchase or use of equipment, materials, supplies, or services covered by this contract.
16. **Reserved:** (Reserved for including any additional Standard Provisions that may be required.)
17. **Singular - Plural:** Words in the singular number include the plural and these in the plural include the singular, unless the context directs otherwise.
18. **Advertising:** In submitting a bid, bidder agrees not to use the results therefrom as a part of any commercial promotion or advertising without prior approval of Black Hawk College Purchasing Agent.

**EXECUTION OF PROPOSAL  
(Attachment C)**

IMPORTANT: PLEASE BE SURE YOUR ENVELOPE IS ADDRESSED AND MARKED:

Purchasing RFP 04-10  
Black Hawk College  
6600 34<sup>th</sup> Avenue  
Moline, IL 61265

I have examined the specifications and instructions included herein and agree, provided I am awarded an agreement within **ninety (90) days of Thursday, September 3, 2009** to provide the specified items and/or services or work as described in the specifications and instructions for the sum in accordance with the terms stated herein. All deviations from specifications and terms are in writing and attached hereto.

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

SIGNED (IN INK) \_\_\_\_\_

PRINTED NAME \_\_\_\_\_ DATE \_\_\_\_\_

TITLE \_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_ FAX NUMBER \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL**

Your proposal is accepted as indicated on this copy.

Date:

\_\_\_\_\_ By: \_\_\_\_\_

Purchasing Manager  
Black Hawk College

**VENDOR CERTIFICATION**  
**720 ILCS 5/ ARTICLE 33E**  
**(Attachment D)**

Under penalty of perjury, the undersigned hereby certifies that it is not barred from bidding on this contract as a result of violation of either Section 33E-3 or Section 33E-4 of the Illinois Compiled Statutes 720 ILCS 5/Article 33E, and that this offer has not been arrived at collusively in violation of any law.

Company Name \_\_\_\_\_

By \* \_\_\_\_\_

Address \_\_\_\_\_

City/State/ZIP \_\_\_\_\_

\* Must be actual signature in ink of a representative of Vendor authorized to legally commit the Vendor.

Additional Criminal Offenses concerning "Interference with Public Contracting" stated in the Statues include, but are not limited to the following:

- Section 33E-3 Bid-rigging: A person commits a Class 3 felony who colludes with another person(s) with the intent that the bid(s) submitted shall result in the award of a contract to a particular person.
- Section 33E-4 Bid rotating: A person commits a Class 2 felony who colludes with another person(s) with the intent that the bid(s) submitted shall result in a pattern over time of bid awards being rotated or distributed among those persons.
- Section 33E-6 (d) Interference with contract submission and award by public official: A person commits a Class A misdemeanor who receives a communication(s) from a public official outside of the formal bid process (e.g., the bid document(s), the pre-bid meeting, etc) concerning the specifications or contractors in a sheltered market, and that information is not made generally available to the public, and as a result reasonably believes the award of the bid is likely influenced, or the information specifies that the bid will be accepted only if specified individuals are included as subcontractors, and the person fails to inform either the Attorney General or the State's Attorney for the county in which the unit of government is located.
- Section 33E-7 Kickbacks: A person commits a Class 3 felony that provides, attempts to provide, or offers to provide, any kickback. A person commits a Class 3 felony that solicits, accepts, or attempts to accept any kickback. A person commits a Class 3 felony that includes the amount of any kickback in the bid price. A person commits a Class 4 felony that fails to report any kickback offer or solicitation to law enforcement officials.
- Section 33E-8 Bribery of inspector: A person commits a Class 4 felony that offers anything to an inspector with the intent of receiving wrongful certification or approval of the work. A person commits a Class 3 felony that accepts such bribe. A person commits a Class 3 felony that fails to report a bribe offer.
- Section 33E-11: A person commits a Class 3 felony that bids despite being barred from bidding due to a violation of Section 33E-3 or Section 33E-4
- Section 33E-14 False Statements: A person commits a Class 3 felony that makes false statements for the purpose of influencing the action of the unit of government in considering a vendor application.
- Section 33E-18 Stringing of bids: A person commits a Class 3 felony that knowingly structures, attempts to structure, or assists in structuring a contract to evade the bidding process.



**COURTESY "NO PROPOSAL" FORM  
(Attachment E)**

We respectfully decline submitting a Request for Proposal for:

**EAST CAMPUS ATRIUM GLASS REPLACEMENT  
RFP 04-10**

Due to:

\_\_\_\_\_ Previous Commitments

\_\_\_\_\_ Unable to supply services requested

\_\_\_\_\_ Other (please specify below)

Contact Person: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State and Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Contractors who do not submit a Request for Proposal or who do not return this "No Proposal" form may be removed from our Vendor list for these services. Please send this form to:**

**Mike Meleg  
Purchasing Manager  
Black Hawk College  
6600 34<sup>th</sup> Avenue  
Moline, IL 61265**

**Phone: (309) 796.5002  
Fax: (309) 796.0838  
Email: melegm@bhc.edu**

**GUIDELINES FOR CONTRACTOR AND VENDOR DISPOSAL OF WASTE  
(Attachment F)**

Black Hawk College is seriously committed to recycling, and the College expects its Contractors and Vendors to share this commitment as well.

All construction debris generated by Contractor/Vendor, as well as all packaging material (cardboard, banding, shipping crates, etc.), must be removed from the Black Hawk College site by the Contractor/Vendor and disposed of in an environmentally-friendly manner (e.g. recycling).

The Contractor/Vendor is responsible for providing its own dumpster; use of the College's dumpster is not allowed.

Your cooperation in recycling and adhering to the disposal of waste guidelines at Black Hawk College is appreciated. Any Contractor or Vendor who intentionally and knowingly disregards these guidelines may be excluded from further proposal considerations.

(Please keep this section for your files.)

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(Please send this section with your proposal.)

**STATEMENT OF AGREEMENT TO CONTRACTOR AND VENDOR DISPOSAL OF WASTE**

I hereby agree to abide by the aforementioned guidelines for Contractor and Vendor disposal of waste.

\_\_\_\_\_  
(Signature – must be in ink)

\_\_\_\_\_  
(Typed or Printed Name)

\_\_\_\_\_  
(Company)

\_\_\_\_\_  
(Date)



**FOR YOUR CONVENIENCE, THE FOLLOWING CHECKLIST WILL ASSIST YOU IN SUCCESSFULLY SUBMITTING A COMPLETE PROPOSAL**

- |    |  |     |    |
|----|--|-----|----|
| 1) | Did you include three (3) hard copies of the proposal pricing, (one original and two (2) copies)?  | YES | NO |
| 2) | Did you provide brief information regarding the size, organizational and ownership structure of your company, your current annual sales, total number of employees, number of workers and their experience (see Qualification of Contractor, page 23). | YES | NO |
| 3) | Did you provide the required references, Attachment A?   | YES | NO |
| 4) | Did you read and do you agree to all terms and conditions, including Attachment B, in this proposal?   | YES | NO |
| 5) | Did you complete and include two (2) completed original copies of the Execution of Proposal, Attachment C?   | YES | NO |
| 6) | Did you complete and include the Vendors Certification, Attachment D?  | YES | NO |
| 7) | Did you complete the Courtesy No Proposal Form, Attachment E if you do not plan on participating?  | YES | NO |
| 8) | Did you complete and include the Guidelines for Contractor and Vendor Disposal of Waste (Attachment F)?  | YES | NO |



1 OVERALL ATRIUM IMAGE  
1" = 1'-0"

OVERALL ATRIUM IMAGE  
 ATRIUM GLASS REPLACEMENT  
 BLACK HAWK COLLEGE  
 EAST CAMPUS - GALVA, IL

BLDD ARCHITECTS  
 BLDD Architects, Inc.  
 201 E. Grove St. Suite 300  
 Bloomington, Illinois  
 61701  
 Phone: 309-828-5025  
 Fax: 309-828-5127

Design Firm  
 Registration  
 #184-000723

drawn by  
 MRD

checked by  
 BLM

date  
 AUGUST 14, 2009

revised

sheet  
**A101**  
 project  
 092UX13.400



GLASS TYPE B:  
CURVED GLAZING

GLASS TYPE A:  
VERTICAL GLAZING

WOOD TRIM AT BASE TO BE REMOVED -  
NEW ALUMINUM TRIM TO BE INSTALLED

REMOVE AND REPLACE RESILIENT BASE

① INTERIOR ATRIUM IMAGE  
1" = 1'-0"

INTERIOR ATRIUM IMAGE  
 ATRIUM GLASS REPLACEMENT  
 BLACK HAWK COLLEGE  
 EAST CAMPUS - GALVA, IL

BLDD Architects, Inc.  
 201 E. Grove St. Suite 300  
 Bloomington, Illinois  
 61701  
 Phone: 309-828-5025  
 Fax: 309-828-5127  
 Design Firm  
 Registration  
 #184-000723

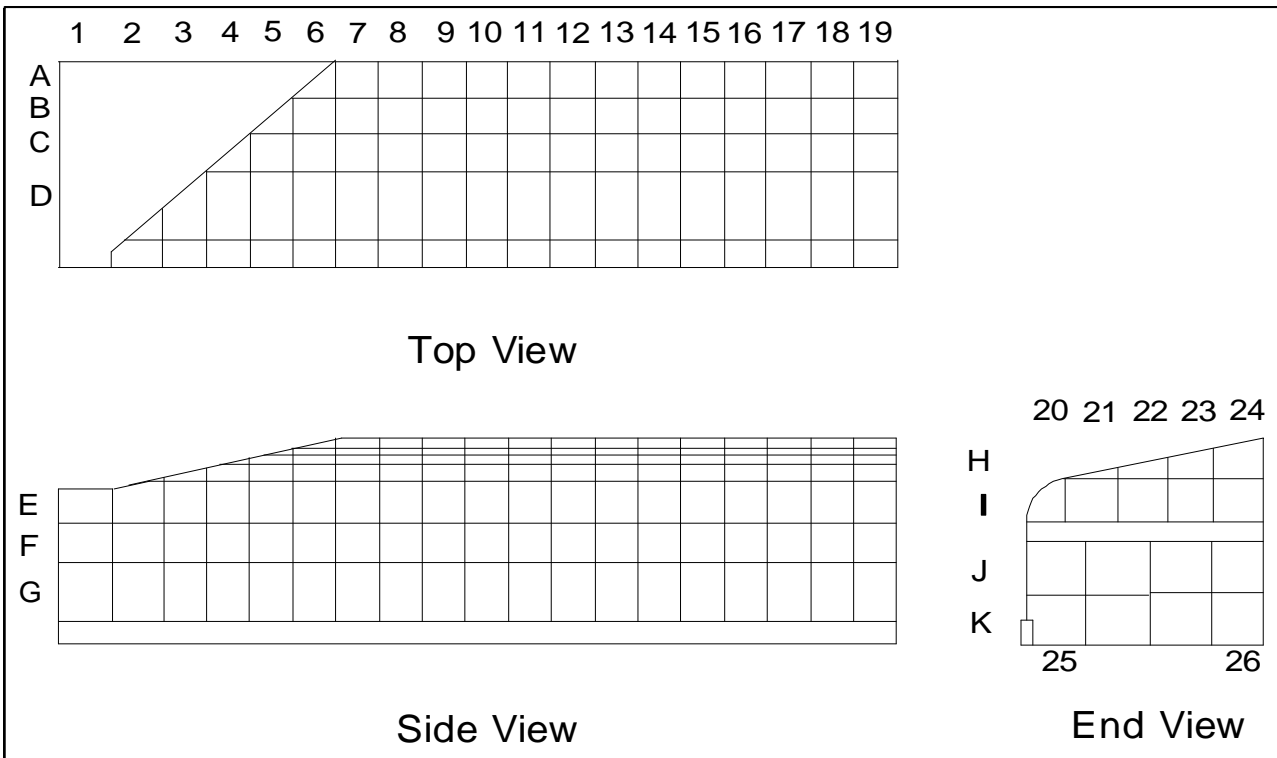
**BLDD**  
**ARCHITECTS**

drawn by  
 MRD  
 checked by  
 BLM

date  
 AUGUST 14, 2009  
 revised

sheet  
**A102**  
 project  
 092UX13.400

BHC Panel Schedule



Location	Status	Approx. Size	Description	Location	Status	Approx. Size	Description
A 1	NA			B 1	NA		
A 2	NA			B 2	NA		
A 3	NA			B 3	NA		
A 4	NA			B 4	NA		
A 5	NA			B 5	OK		
A 6	OK	31" x 30"	Triang. Flat	B 6	REPL	31" x 30"	Triang. Flat
A 7	OK	31" x 30"	Rect. Flat	B 7	REPL	31" x 30"	Rect. Flat
A 8	REPL	31" x 30"	Rect. Flat	B 8	REPL	31" x 30"	Rect. Flat
A 9	REPL	31" x 30"	Rect. Flat	B 9	REPL	31" x 30"	Rect. Flat
A 10	OK	31" x 30"	Rect. Flat	B 10	REPL	31" x 30"	Rect. Flat
A 11	REPL	31" x 30"	Rect. Flat	B 11	REPL	31" x 30"	Rect. Flat
A 12	REPL	31" x 30"	Rect. Flat	B 12	OK	31" x 30"	Rect. Flat
A 13	REPL	31" x 30"	Rect. Flat	B 13	REPL	31" x 30"	Rect. Flat
A 14	REPL	31" x 30"	Rect. Flat	B 14	REPL	31" x 30"	Rect. Flat
A 15	OK	31" x 30"	Rect. Flat	B 15	REPL	31" x 30"	Rect. Flat
A 16	REPL	31" x 30"	Rect. Flat	B 16	REPL	31" x 30"	Rect. Flat
A 17	REPL	31" x 30"	Rect. Flat	B 17	REPL	31" x 30"	Rect. Flat
A 18	REPL	31" x 30"	Rect. Flat	B 18	REPL	31" x 30"	Rect. Flat
A 19	REPL	31" x 30"	Rect. Flat	B 19	OK	31" x 30"	Rect. Flat

BHC Panel Schedule

Location	Status	Approx. Size	Description	Location	Status	Approx. Size	Description
C 1	NA			D 1	NA		
C 2	NA			D 2	REPL	16"x16"	Triang. Flat
C 3	NA			D 3	REPL	31" x 46.5"	Trap. Flat
C 4	OK	31" x 30"	Triang. Flat	D 4	REPL	31" x 46.5"	Rect. Flat
C 5	REPL	31" x 30"	Rect. Flat	D 5	REPL	31" x 46.5"	Rect. Flat
C 6	OK	31" x 30"	Rect. Flat	D 6	OK	31" x 46.5"	Rect. Flat
C 7	OK	31" x 30"	Rect. Flat	D 7	OK	31" x 46.5"	Rect. Flat
C 8	REPL	31" x 30"	Rect. Flat	D 8	OK	31" x 46.5"	Rect. Flat
C 9	REPL	31" x 30"	Rect. Flat	D 9	OK	31" x 46.5"	Rect. Flat
C 10	OK	31" x 30"	Rect. Flat	D 10	OK	31" x 46.5"	Rect. Flat
C 11	OK	31" x 30"	Rect. Flat	D 11	OK	31" x 46.5"	Rect. Flat
C 12	REPL	31" x 30"	Rect. Flat	D 12	OK	31" x 46.5"	Rect. Flat
C 13	OK	31" x 30"	Rect. Flat	D 13	REPL	31" x 46.5"	Rect. Flat
C 14	OK	31" x 30"	Rect. Flat	D 14	REPL	31" x 46.5"	Rect. Flat
C 15	REPL	31" x 30"	Rect. Flat	D 15	REPL	31" x 46.5"	Rect. Flat
C 16	REPL	31" x 30"	Rect. Flat	D 16	REPL	31" x 46.5"	Rect. Flat
C 17	OK	31" x 30"	Rect. Flat	D 17	REPL	31" x 46.5"	Rect. Flat
C 18	REPL	31" x 30"	Rect. Flat	D 18	OK	31" x 46.5"	Rect. Flat
C 19	REPL	31" x 30"	Rect. Flat	D 19	OK	31" x 46.5"	Rect. Flat
Location	Status	Approx. Size	Description	Location	Status	Approx. Size	Description
E 1	OK	39"x 43"	Irreg. Curve	F 1	REPL	31" x 39"	Rect. Flat
E 2	REPL	31"x 43"	Rect. Curve	F 2	OK	31" x 30"	Rect. Flat
E 3	OK	31"x 43"	Rect. Curve	F 3	OK	31" x 30"	Rect. Flat
E 4	OK	31"x 43"	Rect. Curve	F 4	OK	31" x 30"	Rect. Flat
E 5	REPL	31"x 43"	Rect. Curve	F 5	REPL	31" x 30"	Rect. Flat
E 6	OK	31"x 43"	Rect. Curve	F 6	REPL	31" x 30"	Rect. Flat
E 7	REPL	31"x 43"	Rect. Curve	F 7	OK	31" x 30"	Rect. Flat
E 8	REPL	31"x 43"	Rect. Curve	F 8	REPL	31" x 30"	Rect. Flat
E 9	OK	31"x 43"	Rect. Curve	F 9	OK	31" x 30"	Rect. Flat
E 10	REPL	31"x 43"	Rect. Curve	F 10	OK	31" x 30"	Rect. Flat
E 11	OK	31"x 43"	Rect. Curve	F 11	OK	31" x 30"	Rect. Flat
E 12	OK	31"x 43"	Rect. Curve	F 12	OK	31" x 30"	Rect. Flat
E 13	REPL	31"x 43"	Rect. Curve	F 13	OK	31" x 30"	Rect. Flat
E 14	OK	31"x 43"	Rect. Curve	F 14	OK	31" x 30"	Rect. Flat
E 15	OK	31"x 43"	Rect. Curve	F 15	OK	31" x 30"	Rect. Flat
E 16	REPL	31"x 43"	Rect. Curve	F 16	REPL	31" x 30"	Rect. Flat
E 17	REPL	31"x 43"	Rect. Curve	F 17	OK	31" x 30"	Rect. Flat
E 18	REPL	31"x 43"	Rect. Curve	F 18	REPL	31" x 30"	Rect. Flat
E 19	REPL	31"x 43"	Rect. Curve	F 19	OK	31" x 30"	Rect. Flat

BHC Panel Schedule

Location	Status	Approx. Size	Description	Location	Status	Approx. Size	Description
G 1	REPL	39" x 46.5"	Rect. Flat	H 21	OK		Trap. Flat
G 2	REPL	34" x 46.5"	Rect. Flat	H 22	OK		Trap. Flat
G 3	REPL	31" x 46.5"	Rect. Flat	H 23	OK		Trap. Flat
G 4	OK	31" x 46.5"	Rect. Flat	H 24	OK		Trap. Flat
G 5	OK	31" x 46.5"	Rect. Flat				
G 6	OK	31" x 46.5"	Rect. Flat	I 20	OK		Irreg. Flat
G 7	OK	31" x 46.5"	Rect. Flat	I 21	OK		Rect. Flat
G 8	REPL	31" x 46.5"	Rect. Flat	I 22	OK		Rect. Flat
G 9	OK	31" x 46.5"	Rect. Flat	I 23	OK		Rect. Flat
G 10	OK	31" x 46.5"	Rect. Flat	I 24	OK		Rect. Flat
G 11	OK	31" x 46.5"	Rect. Flat				
G 12	OK	31" x 46.5"	Rect. Flat	J 25	OK		Rect. Flat
G 13	OK	31" x 46.5"	Rect. Flat	J 26	OK		Rect. Flat
G 14	OK	31" x 46.5"	Rect. Flat				
G 15	OK	31" x 46.5"	Rect. Flat	K 25	OK		Rect. Flat
G 16	OK	31" x 46.5"	Rect. Flat	K 26	OK		Rect. Flat
G 17	OK	31" x 46.5"	Rect. Flat				
G 18	OK	31" x 46.5"	Rect. Flat				
G 19	OK	31" x 46.5"	Rect. Flat				
						<b>Total</b>	<b>59</b>