

JACOB SCHMIDT BREWING COMPANY HISTORIC DISTRICT

Part 4

PRESERVATION PROGRAM AND DESIGN REVIEW GUIDELINES



May 25, 2011

Introduction

The City's Legislative Code, Chapter 73 creates the Saint Paul Heritage Preservation Commission and grants powers and duties that include the review of city permits for work at designated sites and districts. Specifically, §73.04(4) states the commission shall protect the architectural character of heritage preservation sites through review and approval or denial of applications for city permits. The following guidelines for design review will serve as the basis for the Heritage Preservation Commission's design review decisions for the Jacob Schmidt Brewing Company Historic District. The guidelines define the most important elements of the Historic District's unique physical appearance and state the best means of preserving and enhancing these elements in rehabilitation or related new construction. Their purpose is to assure that design review will be based on clear standards rather than the tastes or personal opinions of individual commission members. When applying the guidelines, the Commission, in clearly defined cases of economic hardship, will also consider deprivation of the owner's reasonable use of property. Decisions of the Heritage Preservation Commission are subject to appeal to the City Council (§73.06(h)).

1. General Intent

The City of Saint Paul, a Certified Local Government in the National Historic Preservation Program, has agreed to conduct its design review of locally designated heritage preservation sites and districts according to the *Secretary of the Interior's Standards for Rehabilitation (1995)*. The Standards are applied to projects in a reasonable manner, taking into consideration economic and technical feasibility. The ten Standards are:

- 1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.*
- 2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.*
- 3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.*
- 4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.*

5. *Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.*
6. *Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.*
7. *Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.*
8. *Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.*
9. *New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.*
10. *New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*

2. Description

2.1 Boundaries and Site. The Jacob Schmidt Brewing Company Historic District straddles West 7th Street 1.5 miles southwest of downtown St. Paul. It is roughly bounded by Jefferson Avenue on the north, Oneida and Erie Streets on the east, James Avenue on the south, and Toronto Street on the west, excluding a small triangle enclosed by West 7th Street, Palace Avenue, and Toronto Street. Fort Road, as West 7th Street was known through its first century, was the major artery connecting downtown St. Paul, the Upper Landing settlement, and Fort Snelling.

The historic district encompasses 54 acres of land in an area of mixed residential, commercial, and light industrial use. Extant buildings and structures historically involved in beer production and packaging are confined to the south side of West 7th Street (Numbers 1-4). Most important of these are four freestanding complexes: the Main Brewery Complex (property number 1, spanning from the boiler house on the north to the malt terminal on the south), the Bottling Plant (property number 2), the Office Building (property number 3), and the Keg House (property number 4). Four other contributing structures south of West 7th Street are: a concrete retaining wall and iron fence connected to the bottling complex (property number 5), a detached well house (property number 6), an advertising billboard (property number 7), and

several railroad track spurs (not numbered). After the period of historic significance (1858-1955), a handful of modern additions were made to the Main Brewery Complex, the Bottling Plant, and the Keg House. Two additional well houses were also built. Finally, the ethanol operation of the early 2000s added a scattering of structures to the south end of the plat and one building addition to the Keg House.

Beneath and stretching both north and south of West 7th Street are the Underground Cellars (property number 8), comprised of the interconnecting fermentation and storage cellars and passageways of the Main Brewery Complex and its predecessor on West 7th Street.

North of West 7th Street are an additional seven historic properties: a sprawling Delivery Vehicle Complex (property number 11) and six residential properties originally owned by the brewery or its officials (property numbers 9, 10, 12, 13, 14, and 15). Modern, noncontributing accessory structures north of West 7th Street include private garages, a utility building, and a gazebo.

The district contains 26 resources, of which 15 are contributing and 11 are noncontributing. It has a high degree of integrity, retaining all of its key buildings from the Schmidt-Bremer era of 1901-1955 and fragments of buildings from the Stahlmann era preceding Schmidt. Nearly all of the alterations and demolitions occurring within the period of significance were done in the course of improving or expanding the brewery and its thematically related buildings. Those occurring in recent times have not harmed the fundamental integrity of any of the historic structures. In addition, brewery architects within the period of significance (1858 to 1955) showed an unusual degree of respect for the work of their predecessors, creating a complex of buildings and structures with a remarkable degree of homogeneity considering the numerous phases of construction.

3. General Character

3.1 Landscape, Streetscape, and Site. The brewery and its neighborhood occupy a large parcel of fairly flat terrain diagonally split by West 7th Street. The land falls steeply away from the railroad that skirts the southern edge of the brewery, making it a prominent landmark from the river. The Main Brewery Complex is also highly visible from approaches both up and down West 7th Street and retains visibility from close approaches in all directions as well. On the brewery plats themselves, the brewery buildings in silhouette form a classic **urban pyramid**, with the tallest at the center and a fall-away to two story buildings on the front and both sides. An early fanciful rendering showed significant plantings on the brewery site but these were never carried out. The railroad spurs and the constant need for trucking access to nearly all of the buildings likely rendered the maintenance of any kind of planting plan impractical.



Urban pyramid form

On the north side of West 7th Street, all the buildings are evenly scattered but for the large lot retained by the Stahlmann-Schmidt-Bremer House, a fraction of what it used to be but still the expansive grounds of a manorial residence. In the Stahlmann and Schmidt years the block was densely planted with trees, with orchards to the rear as well as boulevard plantings. The major alterations to the landscape that took place in the last century were the replacement of the beer garden and saloon by two quite typical residential lots and the filling of bare land at the northwest corner with a growing number of connected buildings and parking lots. These changes all took place within the period of significance and in fact were brought about by the brewery ownership.

The close relationship of the brewery to the Omaha Road is everywhere evident on the brewery site, particularly in the tracks imbedded on Oneida and swinging over to the Malt Elevator and the Keg House. These are a constitutive part of the site hardscape, just as the size and proportions of the Keg House doors are witness to their use to load rail cars.

The irregular shape of the blocks on either side of West 7th Street adds prominence to the gateways, the east gateway announced by a small green space on either side and the billboard on the south and the west gateway formed by a small park on the side of the Keg House. The absence of other signage or other forms of urban clutter along the street draws attention to the historic properties themselves.



Visual gateways

3.2 Industrial. The typological and stylistic character of the Historic District shows great diversity. Most of the brew house complex, in both the Stahlmann and Schmidt incarnations, is of bearing wall masonry above a native limestone foundation. Floors are of reinforced concrete. In style the older parts of the brew house complex and bottling house have a strong medieval revival character. This is not shared by any other buildings in the Historic District. Many of the brewery improvements of the post-Prohibition years are in a strong Moderne vein, which spread briefly across 7th Street with the construction of a large truck garage on Toronto Street. All of these buildings are of steel frame construction with brick and stone facings.

3.3 Residential. Outside of and aesthetically unrelated to the brewery complex itself, several of the contributing buildings have strong stylistic character. Stahlmann's three contributions to the surviving members of the Historic District are particularly noteworthy. His own house of native limestone is a fine example of the Italianate style, an intact surviving example in the West End of the city. It is an industrialist's version of the Alexander Ramsey House (1872, NRHP) in Irvine Park built of the same materials just two years earlier. The Henry C. Stahlmann house next door (1878) is an equally intact wood frame version of the style in smaller scale and organized on a side-hall plan that has multiple stylistic envelopes here and elsewhere. The city once abounded in houses of this latter character, but only a score remain in anything approaching original condition. Finally, Stahlmann's Brewery stable of 1881, located in the midst of the area of the District north of 7th Street, is a rare surviving building in the Italianate style. Its roof replacement after a turn-of-the-century fire lacks the detail (e.g., brackets or modillions) of the original, but the small, arched window openings express a vernacular adaptation of the Italianate style to a horse barn.

Several turn-of-the-century houses and remodelings on the north side of West 7th Street lack the visual panache of the Stahlmann-era buildings but clearly attest to

the brewery's continuing mark on the development of the neighborhood and city. All were owned at one time by the brewery or its officers. They also express the evolution of tastes and styles during the early years of the brewery under Schmidt ownership. Strong Craftsman elements mark the Leirich and Auberle houses on Palace Avenue, as they do the remodeling of the Stahlmann-Schmidt Bremer House on West 7th Street.

4. Existing structures and buildings

4.1 Exterior Surfaces.

4.1.1 Masonry. Repair: Original masonry and mortar shall be retained whenever possible without the application of any surface treatment. Deteriorated or damaged masonry or mortar, when necessary, shall be repaired or replaced with the material used in original construction or a material that closely resembles the original in size, shape, color, texture and profile. New masonry added to a building, structure or site, such as new foundations or retaining walls, should be compatible with the size, shape, color, texture, profile and bonding of the original or existing masonry.

Cleaning: Masonry should be cleaned only when necessary to halt deterioration or to remove graffiti and stains and always with the gentlest method possible such as low pressure water (under 300 psi) and soft, natural bristle brushes. Brick and stone surfaces shall not be sandblasted with dry or wet grit or other abrasives. Abrasive cleaning methods can erode the hard surface of the material and accelerate deterioration. Chemical cleaning products which could have an adverse chemical reaction with the masonry material shall not be used. Chemical solvents should not be used except for removing iron and oil stains. It is preferable to use water with a non-ionic biodegradable detergent. Waterproof or water repellent coatings or surface consolidation treatments should not be applied unless required to solve a specific technical problem that has been studied and identified and determined to comply with applicable design guidelines. In general, coatings are frequently unnecessary, expensive, and can accelerate deterioration of the masonry.

Repointing: Repointing should be done on those mortar joints where there is evidence of moisture problems or where mortar is missing or damaged. The removal of mortar shall be done with methods and tools that will not damage the surrounding masonry or alter the joint size. Original mortar joint size and profile shall be retained, and replacement mortar shall match the original mortar in color, composition, strength and texture. Materials and ingredient proportions similar to the original mortar shall be used when repointing, with the replacement mortar softer than the masonry units and not harder than the historic mortar. A professional mortar analysis can determine the cement-lime-sand ratio. This will create a bond similar to the original and is necessary to prevent damage to the masonry units. Repointing with mortar of high Portland cement content can create a bond stronger than is appropriate for the original building materials, possibly resulting in cracking or other

damage. Mortar joints should be carefully washed after set-up to retain the neatness of the joint lines and keep extraneous mortar off of masonry surfaces.

Painting: The original color and texture of masonry surfaces shall be retained, including early signage wherever possible. Unpainted masonry surfaces shall not be painted. Brick or stone surfaces may have been painted or whitewashed for practical and aesthetic reasons early on and paint should not be indiscriminately removed from masonry surfaces as this may subject the building to damage and change its appearance. The removal of paint from masonry surfaces should only be attempted if unpainted surfaces are historically appropriate and if removal can be accomplished without damage to the masonry. An appropriate paint removal product, especially for the removal of graffiti, shall be applied in test areas to determine its effect on the masonry and its effectiveness in removing the paint. In rare cases where a consolidant or paint coating is determined to be historically and structurally appropriate, the color and finish is subject to review.

4.1.2 Siding and Shingles. Repair: Original wood and metal siding and shingles should be retained whenever possible without the application of any surface treatment. A similar material should be used to repair or replace, where necessary. New siding and shingles added to the structure or site should be compatible with the material, color, texture, size, design, and arrangement of the original materials.

Vinyl, Aluminum and Composite materials: Avoid covering architectural features with new materials that are inappropriate to the historic nature of the building, including vinyl, aluminum and hard-board siding. Buildings originally clad in wood siding shall not be resurfaced with brick, stucco, artificial stone or brick veneer, hardboard, or vinyl or aluminum siding. The commission may consider the following exceptions to the installation of synthetic siding on a case-by-case basis: A) In cases where existing asphalt, asbestos, aluminum or vinyl siding are to be removed and where the underlying original siding and decorative features are found to be significantly deteriorated. Commission staff must conduct a site visit during the removal process and advise on appropriate treatment. B) In the resurfacing of a noncontributing building. C) In the resurfacing of existing or new construction of garages, particularly when the garage is inconspicuously sited. If synthetic siding is used as described in A-C, it must be of a width and texture appropriate to the style of the building, and all architectural details including window trim, wood cornices and ornament must remain uncovered.

Decorative Siding Treatments: Wooden shingles used for cladding material or decoration, such as in the gable ends, shall be conserved and retained. If replacement is necessary, shingles should replicate the original in material, width, pattern, thickness, profile, texture and weather (lap). Decorative siding treatments, such as paneled patterns used in the gable ends, on bays or around openings shall be retained and repaired. If replacement is necessary, the new shall match in material, size, pattern, profile and texture.

Painting: Wood shingles or siding may have been painted or whitewashed for practical and aesthetic reasons. Paint should not be indiscriminately removed from wooden surfaces as this may subject the building to damage and change its

appearance. Exterior wooden surfaces shall be maintained with appropriate paint or stain. Color is a significant design element and exterior paint colors should be appropriate to the period and style of the historic building. Building permits are not required for painting, and although the Heritage Preservation Commission may review and comment on paint color, paint color is not subject to Heritage Preservation Commission approval.

4.1.3 Stucco and Concrete. Resurfacing: Repairs to existing stucco and concrete surfaces should duplicate the original in color, pattern and texture, if evidence exists. Smooth or heavy dashed surfaces should be avoided unless they were used on the original surface. Re-dashing stucco shall not alter the set back or profile of trim and architectural details.

4.2 Roofs, Chimneys, Cornices and Parapets.

Roof Shape: The original roof type, slope, overhangs and architectural details shall be preserved. The size, shape and original roof features such as dormers, cupolas and parapets shall also be preserved. New roof features may be acceptable if compatible with the original design and not conspicuously located.

Materials: When the roof is visible from street level, the original material should be retained if possible, otherwise it should be replaced with new material that matches the old in composition, size, shape, color, and texture. When partially re-roofing, deteriorated roof coverings should be replaced with new materials that match the original in composition, profile, size, shape, color and texture. When entirely re-roofing, new materials which differ to such an extent from the original in composition, size, shape, color or texture that the appearance of the building is altered shall not be used. The predominant roof materials on the residential buildings in the Jacob Schmidt Brewery Historic District are asphalt shingles. When asphalt shingles began to be used in the 1890s and early twentieth century, the most common colors were solid, uniform, deep red and solid, uniform, dark green. Dark brown, dark gray and weathered-wood colors may also be acceptable for new asphalt shingles.

Alterations: The roof shape at the front of the building shall not be altered except to restore it to the original documented appearance. The additions of architecturally compatible elements like dormers may be considered by the HPC on a case-by-case basis. Documentation includes pictorial or physical evidence of the former appearance of the building, or, in the case of pattern book houses, those of similar period and style. Alterations to the roof shape at the sides or rear shall be compatible with the architectural character of the building.

Skylights: New skylights and vents should be behind and below parapet level for flat roofs. Skylights and vents shall not be installed on principal elevations for sloped roofs. Modern skylights are a simple way to alter a roof to admit light and air without disrupting its plane surface. Skylights should be flat and as close to the roof plane as possible. They should not be placed on the front or highly visible roof planes. "Bubble"-type skylights shall not be installed.

Chimneys, Stovepipes and Smokestacks: Chimneys and smokestacks should be preserved or restored to their original condition. In the absence of historical documentation on the original design, chimney design should be in keeping with the period and style of the building. New chimneys and stovepipes should not be installed on front roof planes.

Cornices, Parapets and Other Details: All architectural features that give the roof its essential character should be preserved or replaced in kind. Similar material should be used to repair/replace deteriorating or missing architectural elements such as cornices, brackets, railings and chimneys, whenever possible. The same massing, proportions, scale and design theme as the original should be retained.

4.3 Windows and Doors. There are many historic window and door styles in the Jacob Schmidt Brewing Company Historic District. Windows and doors are a character defining architectural feature and establish the visual rhythm, balance and general character of the facades. Any alteration, including removal of moldings or changes in window and door size or type, can have a significant and often detrimental effect on the appearance of the building as well as on the surrounding streetscape.

Openings: Existing window and door openings should be retained. New window and door openings should not be introduced into principal elevations. Infilling of window openings or installing new openings may be permissible on secondary facades if standard sizes approximate the size and proportions of the opening. The National Park Service Bulletin on *New Openings in Secondary Elevations or Introducing New Windows in Blank Walls (Sept. 2000)* should be referenced and used as a guide. Enlarging or reducing window or door openings to fit stock window sash or new stock door sizes shall not be done.

Solid to Void Ratio: New window and door openings should not be introduced into principal or highly visible elevations. New openings may be acceptable on secondary or minimally visible elevations so long as they do not destroy or alter any architectural features and the size and placement is in keeping with the solid-to-void (wall-to-openings) ratio of the elevation.

Panes, Sashes and Hardware: Historic windows should be preserved and if replacement is warranted, windows should be replaced in-kind. Window panes should be two-way glass. No reflective or spandrel glass is permitted. The stylistic period or periods a building represents should be respected. Missing or irreparable windows should be replaced with new windows that match the original in material, size, general muntin and mullion proportion and configuration and reflective qualities of the glass. Replacement sash should not alter the setback relationship between window and wall. Heating and air conditioning units should not be installed in the window frames when the sash and frames may be damaged. Window installations should be considered only when all other viable heating and cooling systems would result in significant damage to historic materials. Window installations may be acceptable in secondary facades.

Trim: Historic window casings should be retained wherever possible. If replacement is necessary, the original profile shall be replicated.

Lintels, Arches and Sills: Lintels, sills, architraves, pediments and hoods should be retained or repaired if possible. Historic colors, if determined, and textures should be matched when repairing these elements.

Storms and Screens: Storm windows and doors should be compatible with the character of the building and should not damage window and door frames, or require removal of original windows and doors. Exterior storms should be appropriate in size and color. Combination storm windows should have wood frames or be painted to match trim colors. If combination metal storms are installed, they shall have a baked-enamel finish. Storm windows should resemble the inner window and should not have vertical or horizontal divisions which conflict with the divisions of the inner sash. Storms and screens should not pan or wrap the opening or casing.

Shutters: Shutters are generally inappropriate in the District unless historical documentation shows they were present. Shutters shall not be installed on buildings not originally designed for them. Where appropriate, shutters should be or appear to be operative and should be mounted to the window casing. Shutters should be constructed of wood.

Security Measures: Historic trim or other architectural features shall not be removed for the installation of security bars or grills.

Awnings and Canopies: Awnings and canopies should not be used when they conceal richly detailed entries and windows. Aluminum or plastic awnings shall not be used. Surface design elements should not detract from or conflict with the related structure's age and design. Awnings should have a traditional shape such as a tent shape or be rounded when the opening is arched. Awnings should be used in a traditional application for shading window or door openings.

4.4 Porches and Steps. Porches and steps which are appropriate to the building and its development should be retained. Porches and additions reflecting later styles of architecture are often important to the building's historical integrity and, whenever possible, should be retained. Porches and steps removed from the building should be reconstructed, using photographic documentation and historical research, to be compatible in design and detail with the period and style of the building. In replacing porch railings, it is important to maintain the original spacing, section and profile of the balustrades.

Decorative Features: Decorative architectural features such as cornices, brackets, railings, and those around front doors and windows should be preserved. New material used to repair or replace, where necessary, deteriorated architectural features of wood, iron, cast iron, terra-cotta, tile and brick should match the original as closely as possible.

Decks and Fire stairs: Deck and fire stair additions and new balconies may be acceptable in some cases, but should be kept to the rear of buildings where they will be the most inconspicuous and detract the least from the historical context. The detailing of decks and exterior stairs should be compatible with the period and style of the building.

4.6 Fencing, Enclosures and Retaining Walls. Existing fencing and retaining walls that are identified as contributing elements to the Historic District should be appropriately maintained and preserved.

4.8 Mechanical.

Location and Siting. Mechanical related equipment should be sited in such a way that they do not block or disrupt principal elevations and prominent views, especially on roof tops. Mechanical related equipment that is sited on grade should be inconspicuously sited. In some cases appropriate screening, may be necessary.

Grills, Exhaust Fans, etc. Grills, vents, exhaust outlets for air conditioners, bath and kitchen exhaust fans should be incorporated into filler panels, if possible. They may be painted the same color as the filler panel.

5. Signage, Awnings and Accessories.

5.1 General. Existing historic signs that reflect the development of the District should be preserved. These signs may be in the form of painted signs on buildings, surface mounted or projecting signs. Signs should be compatible with the character of the District and blend with the character of the structures on or near which they are placed. Signs should not conceal architectural detail, clutter the building's image, or distract from the unity of the facade but, rather, should complement the overall design. Signs, graphics and lighting should be designed as part of the facade. Signs on large structures that house several businesses should be planned and designed in a way that unifies the facade, while providing identity for individual businesses. A master plan for signage is encouraged.

5.2 Materials. Sign materials should complement the materials of the related building and/or the adjacent buildings. Surface design elements should not detract from or conflict with the related structure's age and design in terms of identification symbol (logo), lettering, and related patterns or pictures. Materials used should be the same as those used for signs during the period of the building's construction, such as wood, wrought iron, steel, and metal grill work. Newer materials such as extruded aluminum and plastics may not be appropriate.

5.3 Types. The sign type should enhance the building's design and materials. There are a number of types of signs which may be used: (1) single-faced; (2) projecting, double-faced; (3) three-dimensional; (4) painted wall signs; and (5) temporary signs.

5.4 Location and Method of Attachment. Signs should be appropriately sized and complement the building exterior; roof-top signs are inappropriate except in cases where physical or pictorial documentation shows they were present and reconstruction is considered appropriate. There should be no sign above the cornice line or uppermost portion of a facade wall. The current "Landmark" sign attached to the covered walkway/conveyor belt that connects the grain silos and the Main

Brewery Complex was installed outside the period of significance and is not considered a contributing element. However, there is historical evidence that a “Schmidt” sign was present in that location during the District’s period of significance. Any new sign proposed for that location shall comply with applicable guidelines and should reflect the Brewery’s establishment within the Fort Road neighborhood.

Signs should not disfigure or conceal architectural details. Painted signs may be permissible on glass windows and doors. The facade should not be damaged in sign application, except for mere attachment. The method of attachment should respect the structure's architectural integrity and should become an extension of the architecture. Projecting signs should have a space separating them from the building. (Protection of architecture in method of attachment shall be regarded as a basis for granting variance of the normal zoning code prohibition against guy wire supports for projecting signs.)

5.5 Illumination. Signs should generally be lit from on the site. There should be no flashing, blinking, moving, or varying intensity lighting. Subdued lighting is preferred. Backlit fluorescent or exposed neon are generally inappropriate.

6. Interiors.

6.1 General. The nomination form indicates specific areas within the Office Building that are designated. *The Secretary of the Interior’s Standards* for interiors apply to all finishes, features and fixtures that are affixed to the walls, floors and ceilings. In particular, *The Secretary of the Interior’s Guidelines for Rehabilitating Historic Buildings* recommend:

6.2 Interior Spaces. Identifying, retaining, and preserving a floor plan or interior spaces that are important in defining the overall historic character of the building. This includes size, configuration, proportion, and relationship of rooms; the relationship of features to spaces; and the spaces themselves.

6.3 Interior Features and Finishes. Identifying, retaining and preserving interior features and finishes that are important in defining the overall historic character of the building.

6.4 Alterations/Additions for a New Use. Placing new code-required stairways or elevators in secondary and service areas of the historic building. Accommodating service functions such as bathrooms, mechanical equipment in secondary spaces. Reusing decorative material or features that have had to be removed during the rehabilitation work; and relocating such material or features in areas where appropriate to their historic placement.

6.5 New Mechanical Systems. Installing a completely new mechanical system if required for the new use so that it causes the least alteration possible to the building's floor plan, the exterior elevation, and the least damage to the historic building material.

7. Underground Cellar System.

7.1 General. The underground cellar system is a contributing feature of the Jacob Schmidt Brewing Company Historic District. The maps included in the nomination form indicate the general locations; however, they have not been comprehensively documented. For purposes of design review, these features will be treated as archaeological resources. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken according to *The Secretary of the Interior's Standards*. The *Guidelines* further recommend planning and carrying out any necessary investigation using professional archaeologists and modern archaeological methods when preservation in place is not feasible.

8. New Construction.

8.1 General. New construction refers to totally new structures, moved-in structures and new additions to existing structures. Any new construction should possess height, massing, setback, materials and rhythms compatible with surrounding structures. The reproduction of historic design and details is recommended only for limited cases of infill or small scale construction. Guidelines for new construction focus on general rather than specific design elements in order to encourage architectural innovation.

Site evaluation. Existing historic buildings and landscape features should be retained and rehabilitated in plans for redevelopment.

General character. New construction should reinforce the historic architectural and visual character of the area.

Views and Vistas: Exceptional views of the Main Brewery Complex from the River and both directions along West 7th Street should not be obstructed by new buildings or structures.

Built Form. Design new buildings to frame all public spaces, including streets and/or any other open spaces. Design new buildings to respect the historic antecedents, where appropriate, while creating a living and working environment for the 21st century. Design new buildings to fit in well with the historic buildings and context of the area by reflecting the scale, massing, quality of materials, and window openings of the surrounding structures.

Pedestrian circulation and parking. New construction should be oriented toward streets which are inviting environments for pedestrians. Parking areas should be placed at the rear of buildings wherever possible or screened with landscaping, low walls or appropriately detailed fences. Walls or plantings should not block prominent views or impact the historic character in a way that the character is lost.

8.2 Setback. There are a variety of setbacks expressed in the Schmidt Brewery Historic District. However, new setbacks should relate to adjacent historic buildings.

8.3 Massing, Volume, Height. The largest and tallest structures are at the main brewhouse portion of the District. New construction should be compatible with the massing, volume, and height, of existing adjacent structures in the Historic District. Any new construction shall not diminish or obscure the existing tower element.

8.4 Rhythm. The rhythm in the Schmidt Brewery Historic District can be found both in the relation of additions onto buildings, and in the relation of elements on a single building facade. Rhythm between buildings is usually distinguished by slight variations in height, windows and doors, and details, including vertical and horizontal elements. Rhythm may be accentuated by slight projections and recessions of the facade, causing the scale of the building to match that of its neighbors. The rhythm of new construction should be compatible with that of existing structures.

8.5 Roofs and Cornices. New roof, and cornice designs should be compatible with existing adjacent structures. Generally, roofs in the District for commercial buildings are flat and roofs for residential buildings are sloped and varied. It is more important for roof edges to relate in size and proportion, than in detailing.

8.6 Materials and Details. Encourage the use of high-quality exterior materials. The materials and details of new construction should relate to the materials and details of existing adjacent buildings. New construction in the District should possess more detailing than typical modern commercial buildings, to respond to the surrounding buildings. Walls of buildings in the District are generally of brick and limestone.

8.7 Windows and Doors. Windows should relate to those of existing buildings in the District in the ratio of solid to void, distribution of window openings, and window setback. The proportion, size, style, function and detailing of windows and doors in new construction should relate to that of existing adjacent buildings. Window and door frames should be wood, steel or bronze-finished aluminum depending on the relationship of existing historic fabric.

9. Guidelines for Non-Contributing, Contemporary Buildings or Additions

9.1 Change to Contributing Status. A non-contributing building or structure built within the period of significance but substantially altered may be reclassified as a contributing building, but it must be brought into compliance with its original historic facade by means of restoration or replication.

9.2 Non-Contributing and Contemporary Building Additions and Alterations. Additions and alterations to non-contributing and contemporary buildings must be sympathetic and subordinate to historic structures. These changes must not impair intact historic context. Guidelines for new construction shall apply to non-contributing and contemporary buildings.

10. Site Considerations.

10.1 General. The traditional pattern of streets, curbs, boulevards and sidewalks in the area should be maintained. Distinctive features of spaces in the area such as train tracks, loading docks, retaining walls and steps that are important in defining the District's context should be preserved. New street furniture and landscape improvements such as benches, bus shelters, kiosks, sign standards, trash containers, planters and fences should be compatible with the character of the District. The historic urban pattern of grid plan streets should be retained and enhanced in improvement projects.

10.2 Fences and Retaining Walls. Fences which allow some visual penetration of front yard space are preferable to complete enclosure. Fences of wrought iron or wood which enclose the front yard should be no higher than three and one-half (3 1/2) feet. Cyclone fences should not be used to enclose front yards or the front half of side yards. Stone, brick and split face concrete block are preferable to landscape timber for the construction of retaining walls. Masonry retaining walls should be finished with caps or appropriate details.

10.3 Lighting. The location and style of exterior lights should be appropriate to the structure's age and original design intent.

10.4 Landscaping. New landscaping on the south side of West 7th Street should respect the historical and architectural character of the Historic District. Trees should not block prominent views of the brewery structures. Landscaping on the north side of West 7th Street should reflect the residential character of the neighborhood. Planting hedges in front yards should be low and visually open.

11. Demolition.

Proposals for demolishing structures, while reviewed with special care by the Heritage Preservation Commission, are not necessarily in conflict with District guidelines. When reviewing proposals for demolition of structures within the District, the Heritage Preservation Commission will consider the following:

11.1 The architectural and historical merit of the building. This includes consideration of the integrity of the structure and whether it was constructed during the Period of Significance.

11.2 The effect of the demolition on surrounding buildings, the effect of any proposed new construction on the remainder of the building (in case of partial demolition) and on surrounding buildings.

11.3 The economic value or usefulness of the building as it now exists in comparison with the value or usefulness of rehabilitating the building or structure for a new use.

12. Glossary

Adaptive Reuse. Conversion of a building originally designed for a certain purpose to a different purpose.

Alteration. Any construction, addition, demolition, relocation or material change affecting the exterior of a building or site or affecting any interior surfaces which are designated by ordinance of the City Council.

Balustrade. A row of upright posts (balusters) which support a railing.

Bay. A structural division of a building defined by projections, columns, pilasters or window groupings.

Belt Course. A horizontal decorative band around a building, often of a projecting, contrasting material.

Bracket. A decorative support element under eaves or other overhangs.

Certificate of Appropriateness. A certificate issued by the Heritage Preservation Commission, the building official, or the official designated representative evidencing the review and authorization of plans for alteration of a heritage preservation site or property with a heritage preservation district.

Clapboard. Narrow, horizontal, overlapping wooden boards used as siding.

Clerestory. An upper fenestrated section of a building designed to provide natural light to a high-ceilinged room.

Coping. That capping member of a wall or parapet, usually sloped to shed water.

Corbel. A brick or stone support produced by extending successive courses out from the wall surface.

Cornice. Projecting ornamental molding which crowns a wall or an entablature.

Crenellation. Typically found on a castle or fortification, the term refers to a parapet with alternating openings and raised sections. The raised portions are called merlons, and the openings are called embrasures.

Dentils. A row of small rectangular blocks forming a molding that resembles teeth, usually part of a cornice.

Dormer. A roofed structure, usually housing a window, which is vertically set on a sloping roof.

Eaves. The underpart of a roof that extends beyond the structure's wall.

Fenestration. The arrangement, proportions, and pattern of windows and door opening in a wall.

Finial. A decorative, pointed ornament on the top of a spire, gable, or pinnacle.

Flashing. A sheet, usually metal, used to make an intersection of materials watertight.

Frieze. An ornamental band immediately below the cornice.

Gable. The triangular upper portion of an end wall under a pitched roof.

Integrity. The authenticity of a historic building, site, or resource as evidenced by its location, design, setting, materials, workmanship or association.

Keystone. The central stone of an arch.

Light. An individual pane of glass between mullions and muntins on a window.

Lintel. A horizontal beam spanning an opening and supporting construction above.

Mansard Roof. A pitched roof having two slopes on all four sides, the lower one being steeper than the upper.

Massing. The combination of height, volume, and scale of a building in relation to its surroundings.

Mortar. A workable paste used to bind brick and masonry blocks together and fill the gaps between them. The paste is usually made from a mixture of sand, a binder such as cement or lime, and water.

Mullion. A vertical member dividing (and often supporting) a series of windows or panels: mullions are wider than muntins.

Muntins. A narrow bar dividing a window onto individual lights.

Minor Alteration. An alteration that does not affect the integrity of a heritage preservation site or property within a heritage preservation district. Examples may include changes that the building official determines are not significant; and changes that reproduce the existing design and that are executed with the same type of materials and methods as existing, if available, or with visually similar materials if the original materials are not available.

Parapet. A low projecting wall at the edge of a roof.

Pilaster. A shallow pier attached to a wall, sometimes having a capital and base to resemble a classical column.

Preservation. The act or process of applying measures necessary to sustain the existing form, integrity, and materials of an historic property. It reflects a building's continuum over time, through successive occupancies, and the respectful changes and alterations that are made.

Principal Elevation. The exterior face of a building which is considered an architectural front.

Property. Any land, building, structure or object, surface or subsurface area, natural or landscape feature.

Quoins. Bricks or stones used to define the corners of masonry buildings.

Reconstruction. The act or process of depicting, by means of new construction, the form, features, and detailing of a non-surviving site, landscape, building, structure, or object for the purpose of replicating its appearance at a specific period of time in its historic location.

Rehabilitation. The act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features which convey its historical, cultural, or architectural values.

Repointing. The process of removing the old mortar and applying new mortar between brick and masonry joints.

Restoration. The act or process of accurately depicting the form, features, and character of a property as it appeared at a particular period of time by means of the removal of features from other periods in its history and reconstruction of missing features from the restoration period.

Rhythm. The relationship of buildings to open space along the street and between structures, the relationship of solids to voids and the repetition or pattern of features on building facades and landscapes.

Sandblasting. The operation of forcibly propelling a stream of abrasive material, such as sand, against a surface under high pressure to smooth a rough surface, roughen a smooth surface, shape a surface, or remove surface contaminants.

Secondary Elevation. Generally, the sides and rear of a building which are not considered the architectural front.

Setback. The distance of the primary façade from the street.

Storm Windows. Windows which are mounted on the outside of the main windows of a building.

Structure. Anything constructed or erected with a more or less fixed location on or in the ground or in or over a body of water. A structure shall include, but not be limited to, buildings, fences, walls, signs, canopies, decks, patios, antennas, piers, bridges, docks, and any objects or things permanently attached to the structure.

The Secretary of the Interior's Standards for Rehabilitation. The most recent standards for rehabilitating historic buildings established by the National Parks Service, United States Department of the Interior.

Transom window. A small operable or fixed window located above a door or other window.

Veneer. Exterior facing of brick, stone, etc. that provides a decorative, durable, non-load-bearing surface.

Water Table. A projecting ledge above the foundation sloped to direct water away from the structure.