

## Metal Design Guidelines Analysis

Current Standard Guidelines	Nore' Winter's Draft	Staff Suggestions
MT1 Do not remove deteriorated metal features and replace them with elements that do not convey the same visual appearance. Do not remove such a feature and not replace it at all.	M.1 Preserve an original metal feature.	
MT2 Photographically document architectural features that are slated for reconstruction prior to the removal of any historic fabric.	**Not Incorporated**	Staff recommends including
MT3 Clean metal features only where such cleaning will not damage historic color, texture, or patina. Any cleaning treatment should use the gentlest means possible and first be tested in an inconspicuous location to determine potential adverse effects.	<p>M.3 Clean a metal feature using appropriate techniques and materials so that the historic color, texture, or patina will not be damaged.</p> <ul style="list-style-type: none"> <li>• Test a cleaning method in an inconspicuous location prior to cleaning the entire surface.</li> <li>• Clean soft metals such as tin, lead, copper, terneplate, and zinc using appropriate methods, since blasting methods damage and pit their surfaces.</li> <li>• Clean hard metals such as cast iron, wrought iron, and steel with handscraping or wirebrushing to remove corrosion and paint buildup. Low-pressure grit blasting may be used only if additional cleaning is required.</li> </ul>	
MT4 Use only those cleaning treatments that are appropriate to the type of metal being cleaned.	**Incorporated in M.3**	
MT5 Clean soft metals, such as tin, lead, copper, tern plate, and zinc, using appropriate chemical methods, since blasting methods damage and pit their surfaces.	**Incorporated in M.3**	
MT6 Clean hard metals such as cast iron, wrought iron, and steel, with handscraping or wirebrushing to remove corrosion and paint buildup. Low-pressure grit blasting may be used only if additional cleaning is required.	**Incorporated in M.3**	

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MT7 Make sure that cleaning treatments are in compliance with Louisville's municipal air pollution controls.	**Not Incorporated**	Should it be?
MT8 Do not expose metal types that require protection from the elements or apply paint or other coatings to metals that were historically meant to be exposed, such as copper, bronze, or stainless steel.	M.6 Do not expose metal that requires protection or apply paint or other coatings to a metal that was historically meant to be exposed, such as copper, bronze, or stainless steel.	
MT9 Reapply an appropriate paint or other coating system to previously painted metal features after cleaning. Failure to do so will result in accelerated corrosion of the metal or alloys.	M.4 After cleaning, reapply paint or a coating system to a previously painted metal feature to prevent corrosion.	
MT10 Do not place incompatible metals together without a protective barrier since this can result in galvanic corrosion, such as copper corroding cast iron, steel, tin or aluminum.	M.2 Repair a metal feature by patching, splicing, or otherwise reinforcing the original metal wherever possible.	
**Not Incorporated in Current Guidelines**	M.5 Paint a replacement gutter, downspout, metal frame screen, storm door and window, roof-vent assembly, or fire escape to match wall, trim, cornice, or roof color of the historic building, whichever is most effective in reducing the visibility of these elements.	
**Not Incorporated in Current Guidelines**	M.7 Do not place incompatible metals together without a protective barrier since this can result in corrosion.	