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Safeguarding People while
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ENCASEMENT OF LEAD-BASED PAINT OVER GALVANIZED DECORATIVE TRIM Minnesota High School



👉 **Before** - the deteriorated condition of the trim detracted from the appearance of the building.

👉 **After** - encasement abated the concerns about LBP while improving the appearance of the building.



Challenge: Galvanized metal decorative trim, flashing and roof top ventilators on this 1920's era Greenway High School in Coleraine, MN were coated with multiple layers of flaking Lead-Based Paint (LBP). Complete removal of the paint on the flashing and trim near the top of the wall was considered impractical and would be very costly. It would have required complete containment and would have required several weeks for removal of the paint from approximately 8,000 sq. ft. of surfaces, much of which consisted of intricate patterns and contours. There were also scattered rusting areas on this old galvanized metal.

Solution: The solution chosen was removal of only the very loose, flaking paint – followed by stabilization of the surfaces with a proprietary primer from SAFE Encasement Systems, SE-110-CI which contains a highly effective corrosion inhibitor. Following the removal of the damaged paint, 16-18 wet mils of the SE-110-CI was spray applied. This primer penetrated the old LBP, re-adhering any loose paint while rendering it non-friable. Custom tinted SE-120 was then spray applied over the primer at 16-18 wet mils completing the encasement process. This composite system provides a tough monolithic, flexible protective barrier that will not crack or peel, and provides lasting, long-term protection against the release of lead paint into the environment.