

**General Description:**

- **Location:**  
Kalamazoo, MI
- **Profile:**  
2.1 Million sq. ft.
- **Project:**  
Roof Evaluation &  
*StructureScan*

**Services Provided:**

- Evaluation
- *StructureScan*
- Development of Long-Range Program

**Challenge:**

- In preparing for an upcoming bond issue process, KPS needed to determine specific requirements for the roof management project and the correlating budgets

**Solution:**

- Evaluation provided an in-depth process which enabled Kalamazoo Public Schools to establish budgets pertaining to building envelopes for the next five years to compliment the bond issue process

## Kalamazoo Public Schools District - 38 Schools

Having just completed a general review of all of their facilities for an upcoming bond issue process, Kalamazoo Public

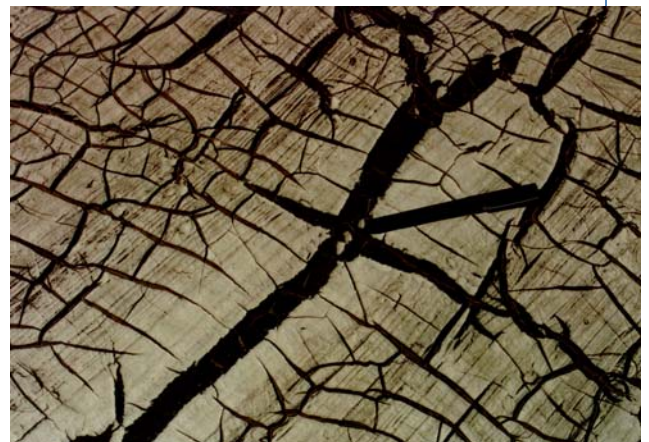
counter-flashings, flashings, perimeters, drainage systems, projections and roof top equipment. The roof membrane condition re-



*Overview of Loy Norrix High School*

Schools (KPS) needed to determine the specific requirements for the roof management program and the budgets that correlated to it. An evaluation and *StructureScan* survey were performed on all facilities. This in-depth process enabled KPS to achieve their ultimate objective of establishing budgets for the next five years to complement the bond issue process. The *StructureScan* survey confirmed the substrata conditions, i.e., wet insulation and defective decking. Moisture probes and conductance testing were implemented to confirm the infra-red survey. The evaluation condition report of the roofs included information on copings and parapets,

port outlined problems with alligatored flood coats, delamination, tar boils, blisters, bare exposed felts, cap sheets, ridging and wrinkling, ponding water, wet insulation and tectum decking. The report also identified areas for repair, wet insulation replacement and complete tear-off and re-



*This roof membrane is extremely alligatored and weathered throughout allowing moisture ingress into the membrane plies.*



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