

General Description:

- **Location:**
Rochester, Michigan
- **Profile:**
Manufacturing Building
- **Project:**
Building 8 - Replacement
Building 100 - Repairs

Services Provided:

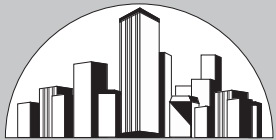
- Evaluation
- *StructureScan*[™] Survey
- Design Development
- Construction Documents
- Bidding
- Field Quality Assurance

Challenge:

- High sensitivity in operations below area being replaced
- Needed to determine areas which required complete tear-off and replacement and which required wet insulation replacement before project was bid
- Extremely short time frame to prepare specifications and acquire bids
- All construction work needed to be completed during two-week shutdown

Solution:

- Performed replacement during two-week shutdown
- Performed *StructureScan*[™] over the weekend to meet owner's schedule
- Wrote specifications over the weekend to correlate with *StructureScan*[™] and meet client's deadline
- Assisted contractor with scheduling and provided extensive Field Quality Assurance while contractor worked double shifts to meet deadline



Web: www.structuretec.com
Email: geninfo@structuretec.com

All rights reserved.

Parkedale Pharmaceuticals

Subsidiary of King Pharmaceuticals

Parkedale Pharmaceuticals, a major manufacturer of pharmaceutical drugs, was experiencing major problems with leakage over areas of their manufacturing process. Some of these areas were extremely sensitive and re-

perform an interview and a walkover and to collect all of the necessary information. The StructureScan crew worked the next two nights to perform an infrared thermal imagery scan of the facility. Simultaneously, the project manager and a



Overview of Parkedale Pharmaceutical Complex

quired a sterile environment. Parkedale had performed repairs over the areas of leakage but had not been able to solve the problems. Parkedale contracted StructureTec for assistance. Parkedale also informed StructureTec that their annual shutdown was coming up in one week. Because the areas below the roofs are extremely sensitive, the shutdown is the only time of the year when major construction can occur. StructureTec immediately began fast-tracking the project in order to ensure that the client would be able to have the necessary work performed. StructureTec personnel went out on that Friday afternoon to

CAD technician began assembling guide specifications and details for the necessary replacements and repairs. The information from the StructureScan was incorporated into the visual inspection information in order to establish all of the needs of the facility. Most of the previous repairs had simply addressed the symptoms of the problem. Struc-



Overview of completed roof replacement



The StructureScan infrared thermal imagery scan revealed the areas of wet insulation during design development.

StructureTec thoroughly analyzed all of the information and found a solution which would address the cause of the problems. StructureTec specified that the failed roofs be replaced, while roofs in fair condition were carefully marked in order to be specified for wet insulation replacement. This process ensured that all roofs would achieve the optimum life cycle. When all of specific requirements were delineated, the guide specifications were completed and then reviewed



The contractor worked double shifts in order to meet Parkedale Pharmaceutical's deadline.

FEATURES

Designed built-up roof

Designed new fascia system

Provided field of the roof stainless steel flashing details

Designed additional insulation

Life-cycle cost (high rating for longevity)

Provided Field Quality Assurance

BENEFITS

Durable for high traffic areas

Prevents splits and fractures along edge detail

Long-term details requiring minimal maintenance over the service life

Increases R-value and energy efficiency

Maximizes the return on investment

Ensures higher quality end product

with the client on Monday. The guide specifications were then distributed to the Parkedale-approved contractors on Tuesday. The bids were reviewed and a contractor selected by Friday. This allowed the contractor to obtain the necessary supplies and setup for the work to commence. The contractor worked double shifts with multiple crews in order to complete all the necessary work within the very short two-week deadline. StructureTec preformed rigorous, daily Field Quality Control to ensure that all of the workmanship and materials met the high standards and requirements specified. In conclusion, StructureTec was able to fast-track the project in order to meet Parkedale's deadline. Parkedale was able to attain high quality roofs to replace the existing failed roofs. Proper maintenance, which had been performed on additional areas, was incorporated into the total project to attain the greatest life cycle for all the roofs. These combined efforts ensured that Parkedale Pharmaceutical received the greatest return on investment. ■

Total Building Envelope Management SolutionSM

www.structuretec.com

(800) 745-7832