

THOMAS JEFFERSON HIGH SCHOOL: JM BUR SYSTEM CHOSEN FOR SUPERIOR DURABILITY

A race against the clock to ensure a safe and secure learning environment



Description: After 25 years of enduring the hot sun, freezing snow storms, heavy wind and hail, the Thomas Jefferson High School (TJHS) roof was aging and at risk of leaking. Denver Public Schools (DPS) Project Manager Michael Butler sought a solution before the roof reached a critical stage.

“A roof system is very important to the District and its students as it directly impacts energy efficiency and low maintenance costs for our facility management and sustainability teams,” said Butler. He continued, “Our maintenance crews maintain more than 100 buildings, so if we can reduce the number of repair calls by building a bulletproof roof system, our maintenance shops can focus on other areas of the district. So, just one less roof system to worry about equates to a huge cost saving.”

Challenges: TJHS was a major project with its 15 roof decks requiring 1,101 squares. Additionally complicating things was the school district’s request that the project be complete before students returned to campus after summer break.

D & D Roofing, Inc., one of the largest roofing contractors in the Denver metro area, was up to the task. “It was a lot of squares to get through in two months considering a typical school job is 500-600 squares total,” said Sean Beckham, D & D Project Manager. “It required a lot of planning to make sure we were staffed correctly and that we would be capable of getting through 20-30 squares a day.”

Solution: Beckham wanted proven durability and dependability, so he selected a JM BUR system.

“JM is of superior quality compared to the competition. When it comes to built-up roofing, they’re the standard,” said Beckham. “BUR is a premium product offering an unsurpassed level of security that is needed with Colorado’s intense weather – especially the hail. JM BUR roofs are so resilient.”

The four-ply, gravel-surfaced, insulated roofing system included four plies of type VI felt over ¾" Perlite cover board over two layers of polyisocyanurate over a mechanically fastened base sheet.

To meet the project deadline, Beckham staffed two 15-person crews five days a week for 10 hours a day.

A focus on quality was crucial throughout. “We demand perfection as does JM and DPS,” said Beckham. “Our careful planning and the great roofing system we selected resulted in an incredibly smooth install. My hat goes off to the great team effort and hard work that went into this job.”

Location:
Denver, Colorado

Building Representative:
Denver Public Schools
Michael Butler, Project Manager

Architect:
Perez, A Professional Corporation
Joe Crowley, AIA

Roofing Contractor:
D & D Roofing, Inc.
Sean Beckham, Project Manager
JM Peak Advantage® Pinnacle Council® Contractor
Industry Affiliations:
National Roofing Legal Resource Center (NRLRC)
Member of the National Roofing Contractors Association (NRCA)
Member of the Colorado Roofing Association (CRA)

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10-Year Peak Advantage® Guarantee**

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Fesco® Roof Board
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