

PUH00-UPMC Presbyterian Shadyside
UPMC Falk MEDICAL BUILDING - Roof Replacement
3601 5th Ave.
Pittsburgh, PA 15213

UPMC Project No. 200117
McLaughlin Cornelius Filoni Architects Project No. 55720003

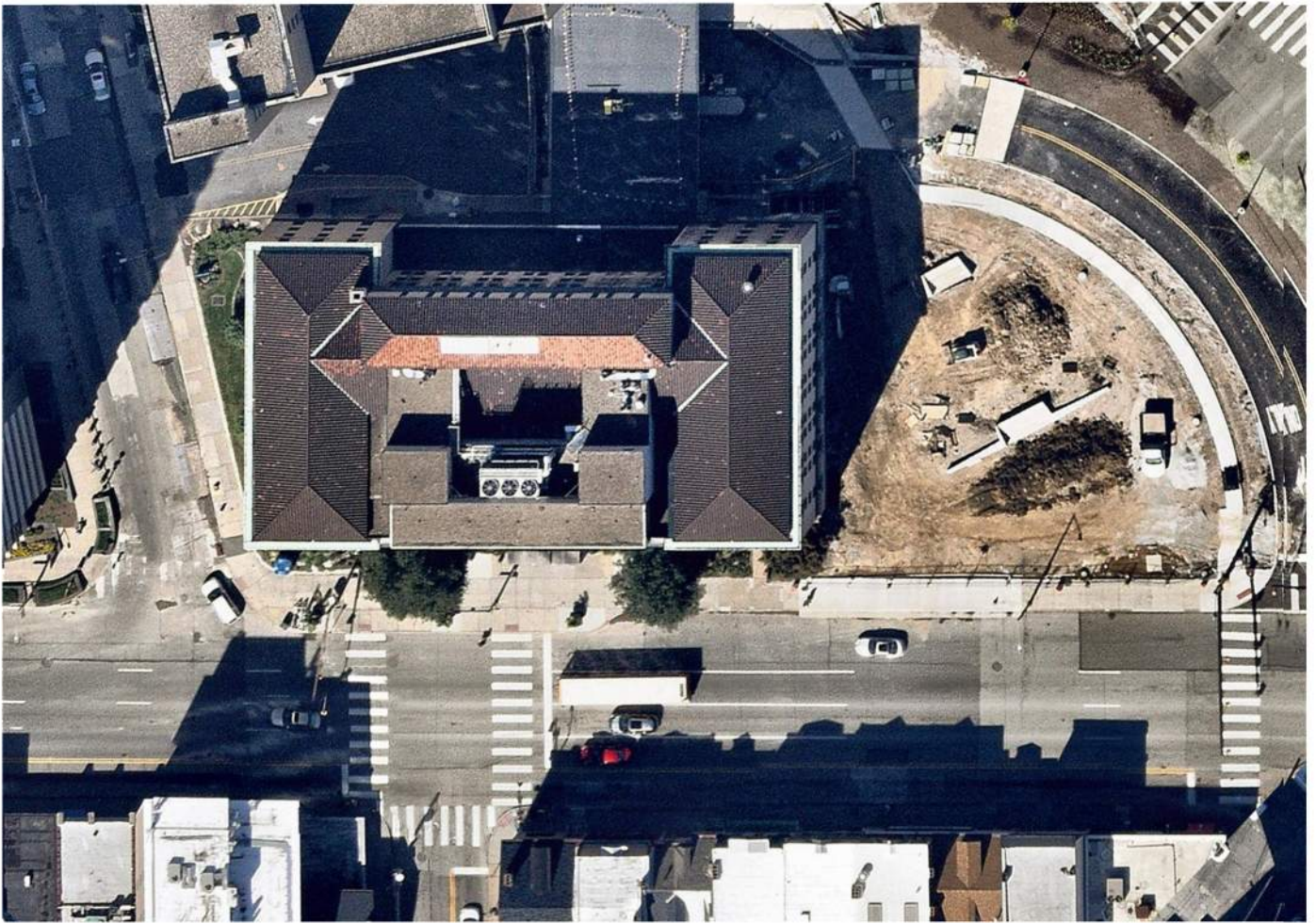
ROOF REPLACEMENT MATERIAL INFORMATION

7/23/2020

The Falk Medical Building Roof Replacement Project is a comprehensive re-roofing construction project of the existing roofing at the UPMC Falk Building situated at 3601 Fifth Avenue in Pittsburgh, PA. The original Medical 7-story building was built in or about 1931; exterior modernization and curtain wall additions were added in 1986.

The project replaces 4,737 ballasted flat roofing membrane, with original gravel ballast retained and reused. The original 9,220 Sq Ft mission tile sloped roof is beyond its useful life expectancy and will be replaced. The original tiles exhibit through tile crazing and are continuing fracture and cause leaking; over the years, roughly 30% of the mission tiles have been incrementally replaced causing mismatching coloration of the sloped roof areas. A premium 50-year warranted Galvalume stamped metal roof tile system has been specified for the mission tile replacement roof areas. The replacement roof tile has an applied high-grade, UV resistant variegated coating and is stamped in a high-relief barrel tile profile, both the replacement tile profile and coloration were researched to accurately emulate the original mission tiles. Visually, the metal roof tiles are an in-kind replacement with no visual change when viewed from street level.

In addition to the roofing replacement, adjacent flashings will be updated, existing sealants will be remediated, and several cracked curtainwall glazing panels will be replaced.



FALK INSTITUTE BUILDING AERIAL PHOTOGRAPH



FALK BUILDING DRONE PHOTOGRAPH



Terracotta
CRRRC# 0668-0104



Brick Blend
CRRRC# 0668-0102



Weathered Canyon
CRRRC# 0668-0114



Tuscan Stone
CRRRC# 0668-0105

Shown in Brick Blend



Shown in Weathered Terracotta



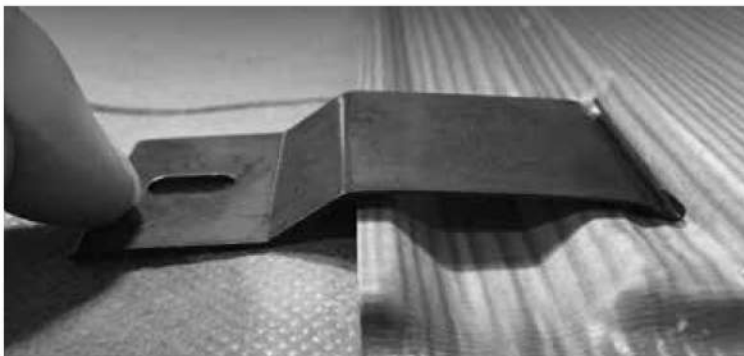
Shown in Weathered Terracotta



Shown in Brick Blend



Engineering Details & Specifications



MATTERHORN TILE

SPECIFICATIONS

- Multi-layer PVDF coating system to resist weathering, aging, rust, and pollution
- 0.019" Thickness
- 98 lbs. per square
- 16 panels per square
- Nominal Dimensions:
 - 20-5/8" w x 48-1/4" L uninstalled
 - 18-3/16" w x 47-1/4" L installed
- Min. Pitch: 3:12

CertainTeed metal roofing products are tested to ensure the highest quality and comply with the following industry standards:

Fire Resistance

- Complies with ASTM E108 Class A, Class B
(See Manufacturers Technical Data Sheets for Specific Systems)

Impact Resistance

- Complies with UL 2218, Class 4

Wind Uplift Resistance

- Warranted to 130 MPH
- UL 1897
- Wind-Driven Rain, AC166 (Sec 4.2)

Solar Reflectance

- 8 CRRC-rated colors

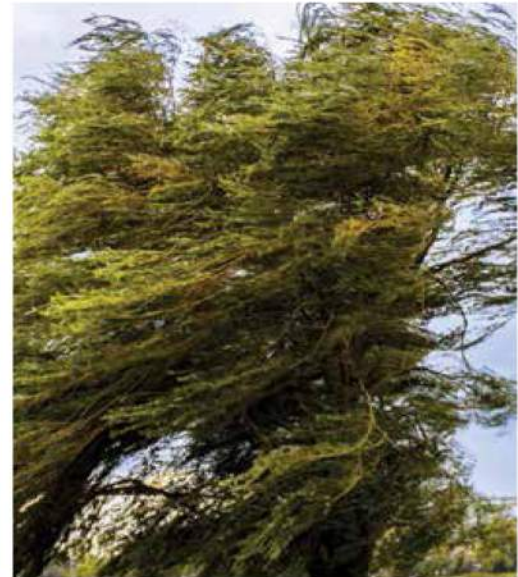
Quality Testing & Approval

- CCMC 14115-R
- TDI RC-487
- FL21470
- IAPMO UEL-5004
- IAPMO ER-375

Performance

Matterhorn Metal Roofing is engineered to provide the high performance you expect from a luxury roof.

- Class 4 Impact Resistance
- Class A Fire Resistance
- 130 mph Wind Rating
- 16 CRRC-rated Cool Roof colors, reflect up to 66% of the sun's rays



Cool Roof Technology

Matterhorn's PVDF Tri-Pigment Reflective Technology[®] paint system offers the ultimate in reflectivity and fade protection. Most Matterhorn colors are CRRC (Cool Roof Rating Council) rated. This means your roof stays cooler and reduces the amount of heat transferred into your home, significantly lowering your energy costs.



