
# TRY STREET TERMINAL BUILDING

SOUTH ELEVATION

## GENERAL BUILDING DATA

- -Location: Pittsburgh, PA
- -Size: 230,000 SF
- -10 total floors, 9 floors above grade
- -Renovation: October 2005 - April 2007
- -Cost of Renovation: $21,000,000

## MECHANICAL SYSTEM

- -Water source heat pumps fed by 2 boilers and a fluid cooler on the roof
- -4 gas fired roof top make-up units supply required outdoor air to apartments
- -4 AHUs serve the basement and first floor spaces; each AHU is equipped with an electric duct heater

## STRUCTURAL SYSTEM

- -Cast-in-place concrete
- -Flat slab floor system with 6.5" drop panels
- -New 6" thick one way slabs frame to 44"x12" concrete beams
- -Infill steel wide flange beams to reinforce where needed
- -Modified Concrete Beams allow smaller member depth

## LIGHTING

- -Primarily fluorescent lighting
- -Addition of a light well in the core of the building provides daylighting to interior apartments

## ELECTRICAL SYSTEM

- -(3) 750kVA vault transformers step down to 208/120V 3 phase 4 wire
- -250kW diesal generator provides emergency power at 208/120V

## ARCHITECTURE

- -Originally built in 1910 as an industrial building
- -Facade includes existing concrete and brick with the addition of new historically accurate insulating windows
- -Exterior walls are a mass wall construction
- -Roof system consists of the existing roof slab with a new roofing membrane over rigid insulation

## PROJECT TEAM

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|---|---|
| -Architect: | TKA Architects |
| -General Contractor: | Massaro Corporation |
| -Structural Engineer: | The Kachelle Group |
| -Mechanical Engineer: | McKamish |
| -Plumbing Engineer: | Sauer, Inc |
| -Fire Protection: | Ruthrauff, Inc. |
| -Electrical Engineer: | Star Electric Co. |

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http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/emf172