



**Porter Hall** (series of arched vaults; Henry Hornbostel; Pgh.; **1905-07**, 1915)  
 College of Industries??? (1931 cornice) **First Guastavino vault in Pgh.**



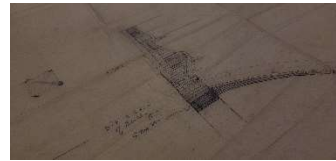
+5



**Calvary Episcopal Church** (Ralph Adams Cram architect, **1906**)  
 Bob Dilts, historian **Crypt, Narthex Sides, Transept Chapel, Side Aisle.**  
 Varied widths. Custom tiles???(1894)



+7



In **1906**, **Henry Hornbostel** stretched the capabilities of Guastavino's tile vaulting with the **Rodef Shalom Synagogue**. [Martha Berg, archivist] **Square plan dome** spanning **90 ft. diameter**. Guastavino Jr. stating, "it is the **largest dome of this kind in existence**, most other large domes usually being octagon or round". Guastavino and Hornbostel developed quite a friendship, collaborating on many buildings, with Guastavino saying, "New materials possess a certain fascination for Mr. Hornbostel beyond what they have for the less imaginative mind of the average architect, and in the use of Guastavino tile among new materials he has led the way as he has in steel work."



**Doherty Hall** (basement, **first bridge vault**; Henry Hornbostel; Pittsburgh; **1908-09**)



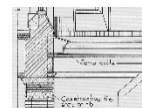
+2



**Machinery Hall / Hamerschlag Hall** (**fully dimensional**; Hornbostel; Pgh; **1914**)



+2



**Margaret Morrison Carnegie College** (**terracotta cornices**; Hornbostel; **1914**)



**Baker Hall** (perfected raised mortar, elliptical oculus; Henry Hornbostel; Pittsburgh; 1914)



**U.S. Bureau of Mines / Hamburg Hall** (vestibule vaults; Henry Hornbostel; Pittsburgh; 1916)

1911 **Glazed Geometric Tiles**



+7



**Pittsburgh City-County Building** (loggia vaults with stone ribs; Henry Hornbostel; Pgh; 1916) Army War College coffers



+7



crazing

**Mellon Residence Pool** (pool vault; E.P. Mellon; Pgh; 1917)



+3



+10

+5

**B'Nai Israel Synagogue** (portico vaults with decorative metal, mosaics, glass; Hornbostel, Sharove & Friedman; Pgh; 1924) sukkah: branches, gaps, canvas

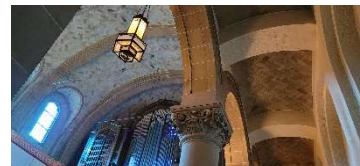


+8

**Allegheny County Courthouse** (H.H. Richardson 1888; Akoustolith bsmt vaults; Stanley L. Roush 1924-28)



+6



**St. Boniface Roman Catholic Church** (A.F. Link architect, 1926)

Terri & Debbie, housecleaning

**William Penn Hotel** (bridge vault; Benno Janssen; Pittsburgh; 1928)



**Allegheny General Hospital (1929)**

The **seventeen-story Art Deco tower** designed by **York and Sawyer (1929-1936)** of this **724-bed hospital building** is topped by a Greek temple penthouse. Illuminated at night, can be seen from all over town as a floating mirage.

Combining function and fantasy emerges in the **vaulted Byzantine entrance portico**, supported on slender **red and gray alternating granite columns** with **terra-cotta capitals**. The numerous **arches of the brick corbel** table are filled with sculpted reliefs of major figures in the history of medicine.



**Bell Telephone Co. (1931)**

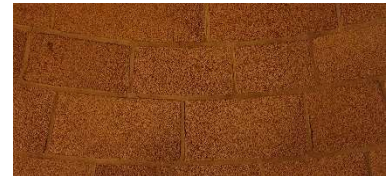
Examples of these standardized, structural clay tiles.



**Heinz Memorial Chapel** (Charles Z. Klauder architect, 1934)

**Cathedral of Learning (1936)**

Akoustolith acoustical tiles



**East Liberty Presbyterian Church** (Ralph Adams Cram architect, 1934)

Thomas Morton, historical architect

Akoustolith acoustical tile.

Cram's Masterpiece

**Trinity Chapel, 1942** Richard Beatty Mellon & Jennie King Mellon