

Under the TechWorks! Central Block Roof:

Highlights of Proposed Large-scale Technology Displays



TechWorks! approaches to visitor experiences are: to explore the creative process, to inspire by example, and to dynamically display technologies and products of imagination with roots in New York's Southern Tier.

The 20' ceiling height of TechWorks!'s Central Block is optimal for display of technology on a grand scale. Artifacts identified for the museum-quality space to be created under the new Central Block roof include:

Link Apollo Simulator - on loan from Smithsonian, restoration in progress

Apollo 15 simulator 3D Lunar Surface Map - NASA donation pending

Lockheed Martin helicopter simulator - delivered October 2017

Trio of Link Flight Trainers - won 2018 Tony Sale Award, sponsored by Google UK

None of these visitor experiences will be possible without replacing the roof.



2018 Tony Sale Award from Google UK & Computer Conservation Society UK

TechWorks! Link Pilot Makers restoration

<https://www.bbc.com/news/technology-46222826>

<https://www.bbc.co.uk/sounds/play/w3cswfh8>

Of six Tony Sale Awards globally, two are in US. The 2018 award was earned by the TechWorks! team of Link retirees and Binghamton University and SUNY Broome engineering students who restored flight trainers from the 1940s, 1960s, and 1980s for visitors to fly.



Link Pilot Makers at TechWorks! Orange (1980s), Blue (1960s), Navy-Yellow wing (1940s)



Binghamton 6th graders and Judi Hess, Visit Binghamton, at TechWorks! flight school

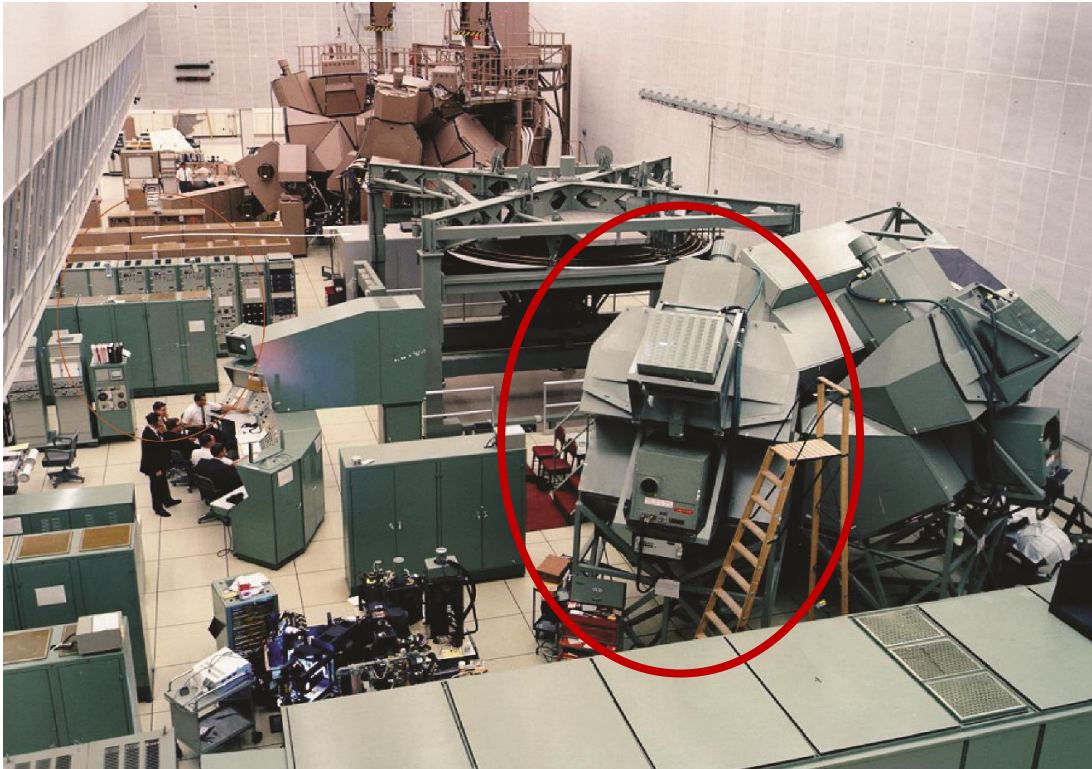
State-of-the-art Helicopter Simulator

Lockheed Martin, Owego, with visual system by DiamondVisionics, Vestal, NY
and force feedback by Simulation Control Technologies, Conklin, NY



This MH60 Helicopter simulator gives a realistic experience of rotary flight. Beyond its technical use, this simulator is a great teaching tool for student visits. Lockheed Martin Owego Communications Office, Sept 2017

Link's Apollo Lunar Module Simulator Visual System - on long-term restoration & display loan from the National Air and Space Museum, Smithsonian Institution



As installed at NASA, Houston: Command Module-brown; Lunar Excursion Module-green.

A complete star ball visual system for one LEM side window, circled above, is to be assembled as a static display, ~17' high, with laser ray trace of the optical path. Telescope display is being restored to view star fields like those used by Apollo astronauts.



Link Apollo team at work on telescope display

GP-Link Apollo simulator project supported by



National Air and Space Museum

The Gertrude E. Skelly Charitable Foundation



Jim Tregaskis



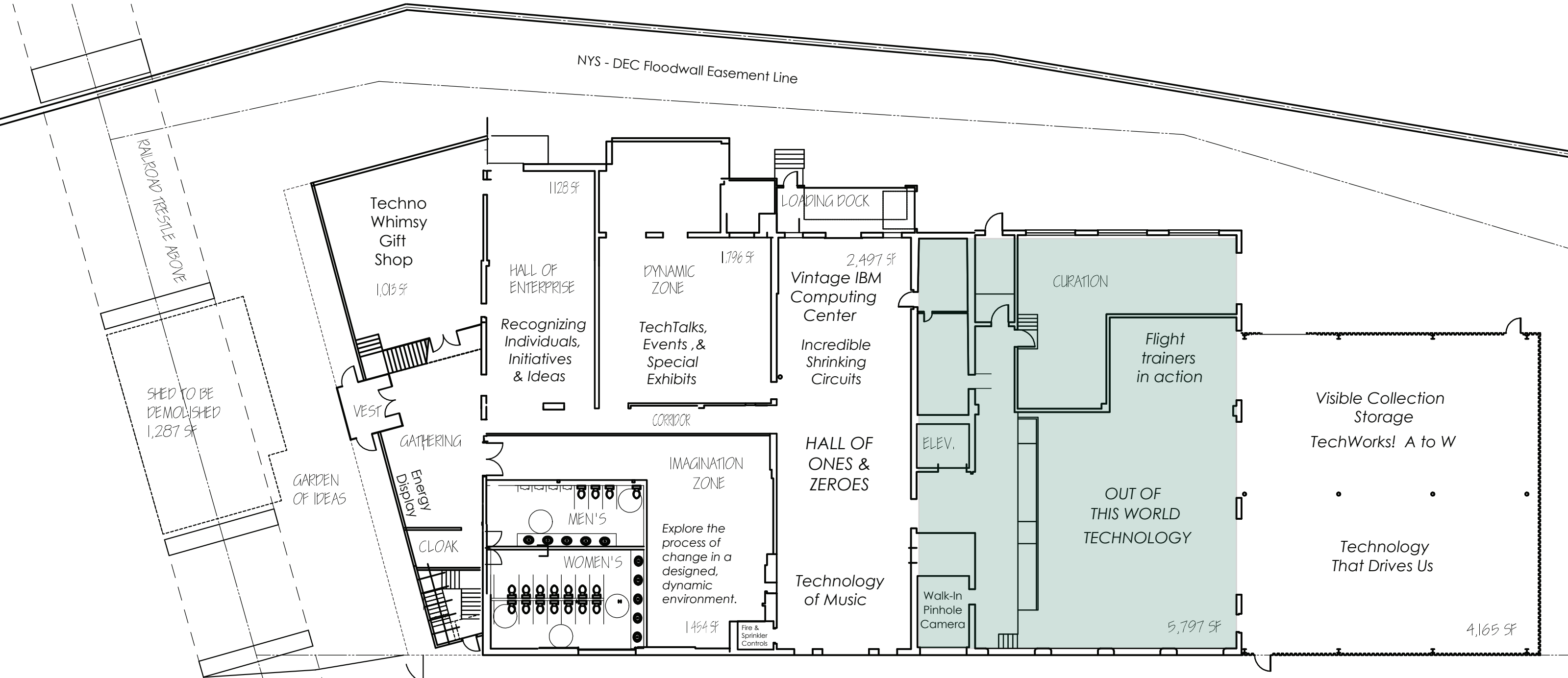
Community Foundation of South Central New York

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ADL Analytical and Diagnostic Laboratory

Project Partners as of 2019



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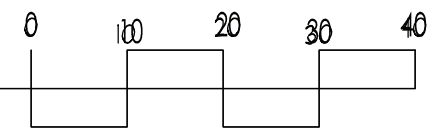
TECH WORKS! FIRST FLOOR PLAN

PREPARED BY BUCHER/BORGES GROUP PLLC JUNE 23, 2012
 Updated by Center for Technology & Innovation, Binghamton, NY March 2015

TechWorks! Visitor Experiences and Naming Opportunities

FIRST FLOOR GROSS FLOOR AREA	
EXISTING MAIN BUILDING	21,550 SF
EXISTING SHED	1,287 SF
TOTAL EXISTING	22,837 SF
MAIN BUILDING REMOVED	-1,282 SF
SHED REMOVED	-1,287 SF
NEW CONSTRUCTION	2,555 SF
TOTAL PROPOSED	22,823 SF

GARDEN OF IDEAS 3,700 SF



Central Block roof project scope