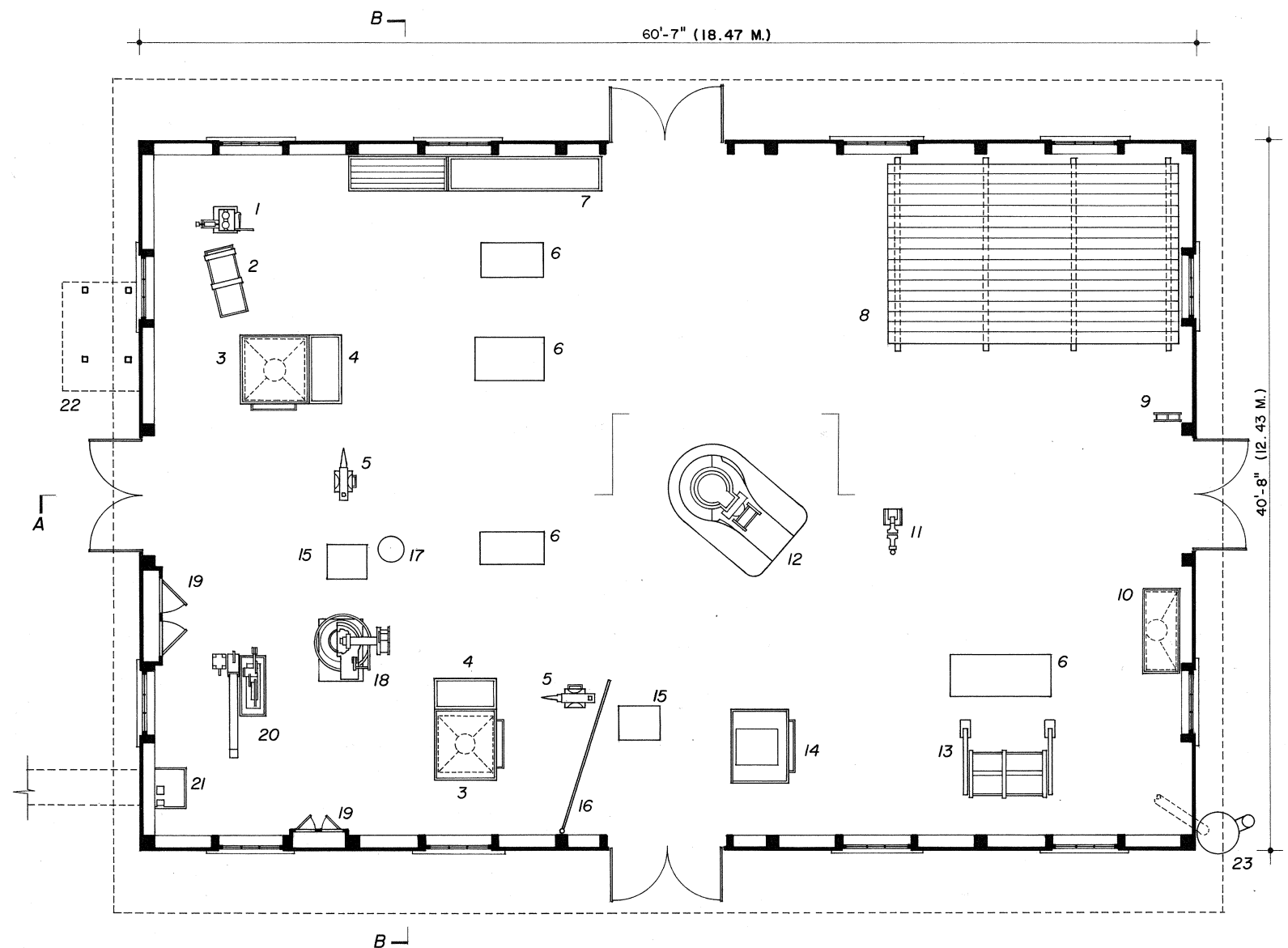


**LEGEND**

- 1 Pneumatic Boiler Flue Tube Swaging Hammer  
Draper Manufacturing Company, Port Huron, Michigan
- 2 Oil-Fired Swaging Forge
- 3 Coal-Fired Blacksmiths' Forge With Vent Hood
- 4 Hot Metal Quenching Tub
- 5 Anvil
- 6 Heavy Working Surface
- 7 Large Quenching Tub
- 8 Metal Stock Storage Racks
- 9 Wall-Mounted Fire Hose
- 10 Quenching Tub With Hood
- 11 Leg Vise
- 12 3300 lb. Steam Forging Hammer  
Niles - Bement - Pond Company, Pittsburgh, Pennsylvania
- 13 Coke-Fired Tempering Oven
- 14 High-Temperature Coke-Fired Forge
- 15 Work Station Tool Rack
- 16 Swing-Arm Crane
- 17 Quenching Barrel
- 18 Belt-Driven Beadry - Champion 600lb. Forging Hammer  
Barbour - Stockwell Company, Cambridge, Massachusetts
- 19 Blacksmiths' Locker
- 20 Belt-Driven Reciprocating Hacksaw  
Racine Tool Machine Company, Racine, Wisconsin.
- 21 Belt-Drive Tunnel From Machine Shop
- 22 Swaging Forge Blower Shed
- 23 Steam Trap



The Blacksmith Shop, along with the Machine Shop and Foundry, was one of the three primary metalworking facilities at the East Broad Top Shop complex. Built prior to 1882, and enlarged after a fire in 1908, the wood-frame, board-and-batten sided Blacksmith shop was equipped for both general and specialized metal forming tasks. Major blacksmithing equipment includes three coal-fired forges, a massive 3,300 lb. steam-powered forging hammer, a smaller belt-driven hammer, and a reciprocating metal saw. Two areas of the Blacksmith Shop were devoted to specific processes and utilized specialized equipment. Locomotive boiler flues were cleaned swaged, and rewelded using an oil-fired forge and pneumatic flue swager, and locomotive elliptic spring clusters were repaired and tempered by the EBT blacksmiths. Some occasional light smithing has been performed since the EBT ceased operation in 1956, and some minor stabilization of the structure has been done, otherwise, the Blacksmith Shop remains in essentially original condition.

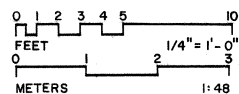
**BUILDING MATERIALS**

- Roof - Wood roof trusses and corrugated metal roofing
- Walls - Timber framed. Exterior vertical board and batten. No interior finish (structure exposed)
- Floor - Earth

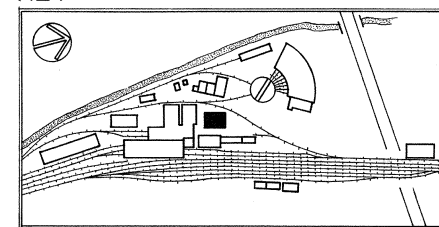
**NOTES**

Distortions due to building settlement have been rectified.

**FLOOR PLAN**  
BLACKSMITH SHOP



**KEY**



DELINEATED BY: ANDRIV PRYBEHA, 1994.  
SOUTHWESTERN PENNSYLVANIA  
RECORDING PROJECT  
NATIONAL PARK SERVICE  
UNITED STATES DEPARTMENT OF THE INTERIOR

EAST BROAD TOP RAILROAD & COAL CO., BLACKSMITH SHOP c.1882  
PA. STATE ROUTE 994 (MEADOW STREET) WEST OF U.S. ROUTE 522  
HUNTINGDON COUNTY  
PENNSYLVANIA

HISTORIC AMERICAN  
ENGINEERING RECORD  
PA-127-C

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