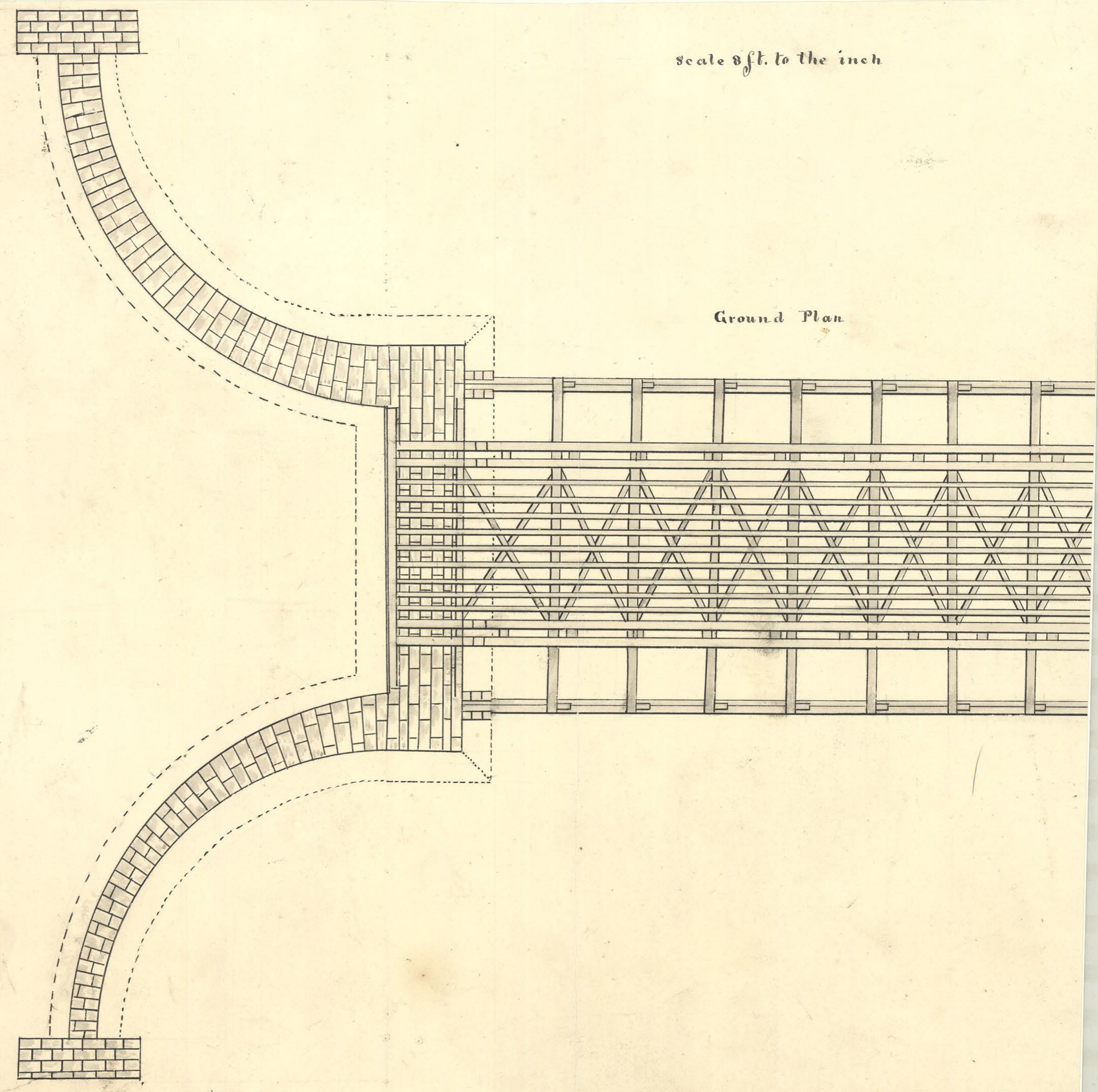


scale 8 ft. to the inch

Ground Plan



*Juniata Aqueduct at Shavers Ford*

Length of Aqueduct between face of abutments	407 ft.
Length of Trunk	423 "
Thickness of abutments & piers on top	8 "
Length of abutments & piers on top	43 "
Thickness of abutments & piers at bottom	15 "
Length of abutments & piers on bottom	50 "
Radius of wing walls	30 "
Thickness of wings at abutments on top	7 "
" " " " at bottom	12 "
" " " " at extreme ends on top	4 1/2 "
" " " " " at bottom	8 1/2 "
Buttress at end of wings length	13 "
" " " height	20 "
" " " width	5 "
River below bottom of Canal	28 1/2 "
Averaged depth of water at piers	2 "
Recesses for arches below bottom of Canal	8 "
Span of Arch	75 "
Width of outer arches at the roof plate	29 "
" " inner arches at trunk cap	14 "
Width of wood work between cords	35 "
" of foot & lowering paths	6 "
" of trunk in clear	18 "
Height of low path	6 "
" of eaves of roof above tow path	9 "
" of roof above eaves	8 "
Width of roof over aqueduct	40 "
Length of hand railings on wings	16 "
16 ribs in each span	