

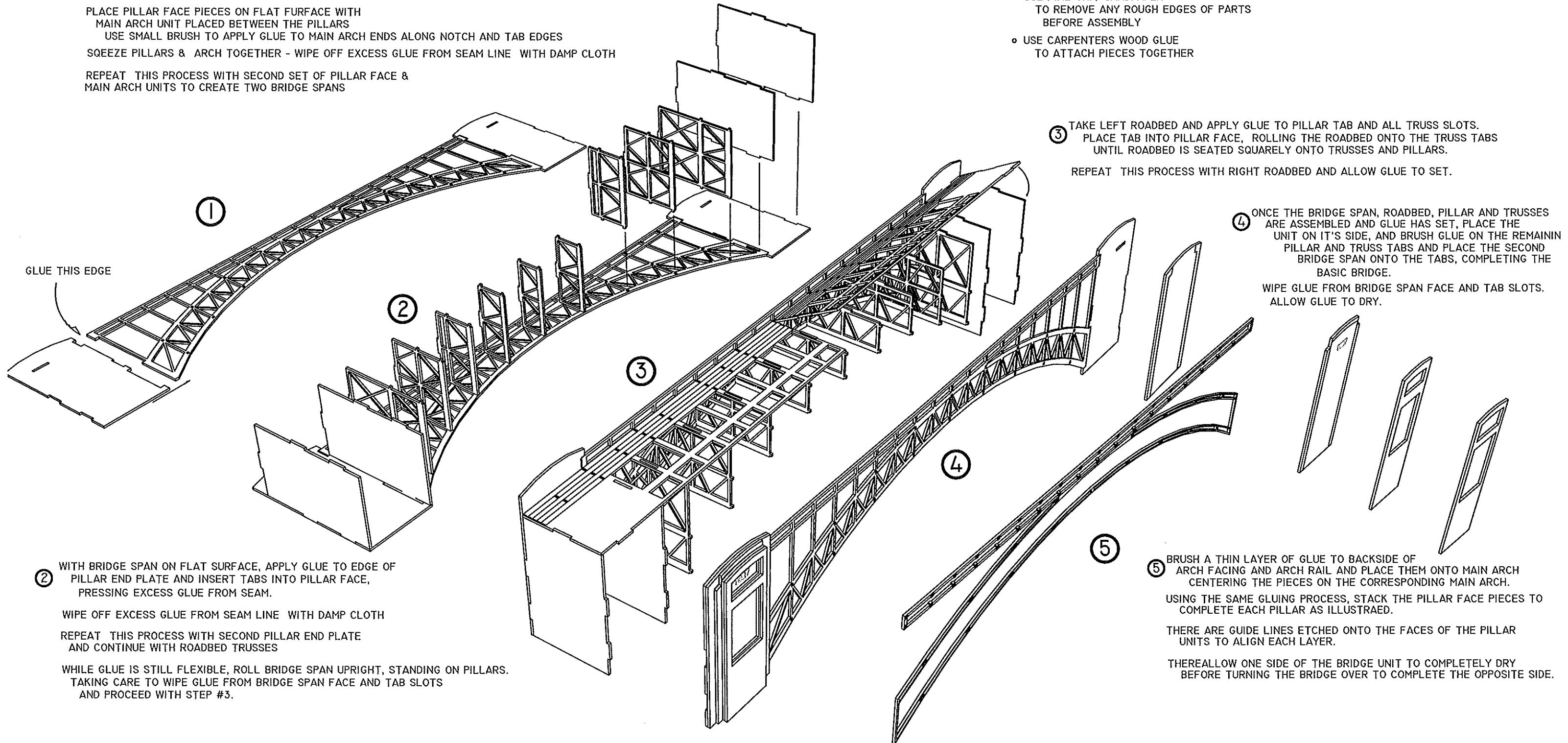
TW TRAINWORX® B - 57 STEEL ARCH BRIDGE BRIDGE ASSEMBLY

① COVER WORK SURFACE WITH WAX PAPER TO AVOID GLUING FINISHED PIECES TO WORK SURFACE.

PLACE PILLAR FACE PIECES ON FLAT SURFACE WITH MAIN ARCH UNIT PLACED BETWEEN THE PILLARS
USE SMALL BRUSH TO APPLY GLUE TO MAIN ARCH ENDS ALONG NOTCH AND TAB EDGES
SQUEEZE PILLARS & ARCH TOGETHER - WIPE OFF EXCESS GLUE FROM SEAM LINE WITH DAMP CLOTH

REPEAT THIS PROCESS WITH SECOND SET OF PILLAR FACE & MAIN ARCH UNITS TO CREATE TWO BRIDGE SPANS

- CAREFULLY TEST FIT PIECES BEFORE FINAL GLUING PARTS TOGETHER
- USE FINE GRIT SANDPAPER TO REMOVE ANY ROUGH EDGES OF PARTS BEFORE ASSEMBLY
- USE CARPENTERS WOOD GLUE TO ATTACH PIECES TOGETHER



GLUE THIS EDGE

③ TAKE LEFT ROADBED AND APPLY GLUE TO PILLAR TAB AND ALL TRUSS SLOTS.
PLACE TAB INTO PILLAR FACE, ROLLING THE ROADBED ONTO THE TRUSS TABS UNTIL ROADBED IS SEATED SQUARELY ONTO TRUSSES AND PILLARS.
REPEAT THIS PROCESS WITH RIGHT ROADBED AND ALLOW GLUE TO SET.

④ ONCE THE BRIDGE SPAN, ROADBED, PILLAR AND TRUSSES ARE ASSEMBLED AND GLUE HAS SET, PLACE THE UNIT ON IT'S SIDE, AND BRUSH GLUE ON THE REMAINING PILLAR AND TRUSS TABS AND PLACE THE SECOND BRIDGE SPAN ONTO THE TABS, COMPLETING THE BASIC BRIDGE.
WIPE GLUE FROM BRIDGE SPAN FACE AND TAB SLOTS. ALLOW GLUE TO DRY.

② WITH BRIDGE SPAN ON FLAT SURFACE, APPLY GLUE TO EDGE OF PILLAR END PLATE AND INSERT TABS INTO PILLAR FACE, PRESSING EXCESS GLUE FROM SEAM.

WIPE OFF EXCESS GLUE FROM SEAM LINE WITH DAMP CLOTH

REPEAT THIS PROCESS WITH SECOND PILLAR END PLATE AND CONTINUE WITH ROADBED TRUSSES

WHILE GLUE IS STILL FLEXIBLE, ROLL BRIDGE SPAN UPRIGHT, STANDING ON PILLARS. TAKING CARE TO WIPE GLUE FROM BRIDGE SPAN FACE AND TAB SLOTS AND PROCEED WITH STEP #3.

⑤ BRUSH A THIN LAYER OF GLUE TO BACKSIDE OF ARCH FACING AND ARCH RAIL AND PLACE THEM ONTO MAIN ARCH CENTERING THE PIECES ON THE CORRESPONDING MAIN ARCH.
USING THE SAME GLUING PROCESS, STACK THE PILLAR FACE PIECES TO COMPLETE EACH PILLAR AS ILLUSTRATED.

THERE ARE GUIDE LINES ETCHED ONTO THE FACES OF THE PILLAR UNITS TO ALIGN EACH LAYER.

THERE ALLOW ONE SIDE OF THE BRIDGE UNIT TO COMPLETELY DRY BEFORE TURNING THE BRIDGE OVER TO COMPLETE THE OPPOSITE SIDE.