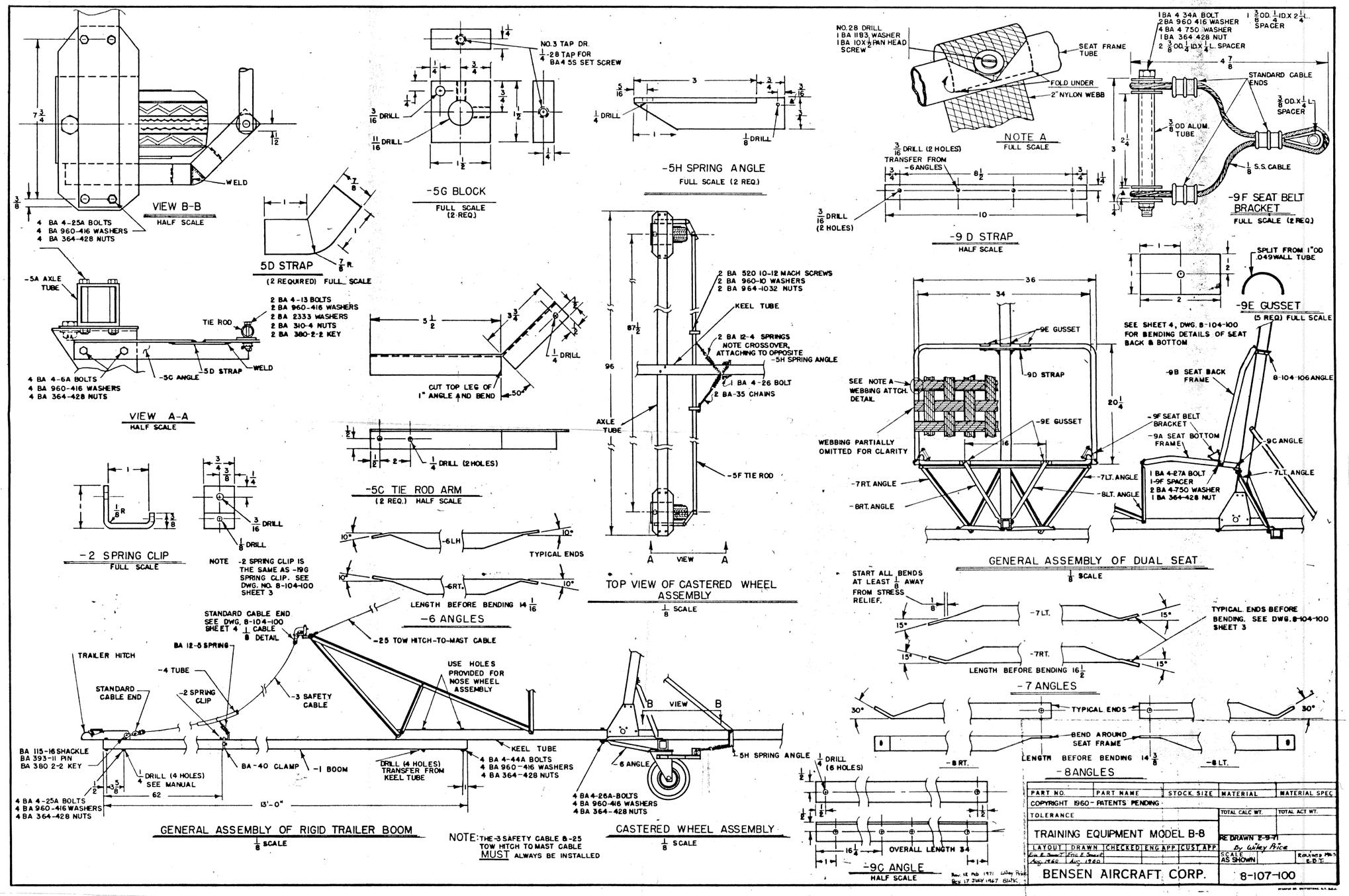
VIEW B-B
HALF SCALE
4 BA 4-25A BOLTS
4 BA 960-416 WASHERS
4 BA 364-428 NUTS
WELD
-5G BLOCK
FULL SCALE (2 REQ.)
NO.3 TAP DR.
1/4-28 TAP FOR BA4 5S SET SCREW
3/16 DRILL
11/16 DRILL
-5H SPRING ANGLE
FULL SCALE (2 REQ.)
1/4 DRILL
1/8 DRILL
5D STRAP
(2 REQUIRED) FULL SCALE
7/8 R.
-5A AXLE TUBE
TIE ROD
2 BA 4-13 BOLTS
2 BA 960-416 WASHERS
2 BA 2333 WASHERS
2 BA 310-4 NUTS
2 BA 380-2-2 KEY
4 BA 4-6A BOLTS
4 BA 960-416 WASHERS
4 BA 364-428 NUTS
-5C ANGLE
-5D STRAP
WELD
VIEW A-A
HALF SCALE
CUT TOP LEG OF 1" ANGLE AND BEND
50°
-5C TIE ROD ARM
(2 REQ.) HALF SCALE
1/4 DRILL (2 HOLES)
-2 SPRING CLIP
FULL SCALE
3/16 DRILL
1/8 DRILL
NOTE -2 SPRING CLIP IS THE SAME AS -19G SPRING CLIP. SEE DWG. NO. 8-104-100 SHEET 3
-6 ANGLES
-6LH
-6RT.
TYPICAL ENDS
LENGTH BEFORE BENDING 14 1/16
2 BA 520 10-12 MACH SCREWS
2 BA 960-10 WASHERS
2 BA 964-1032 NUTS
KEEL TUBE
2 BA 12-4 SPRINGS
NOTE CROSSOVER, ATTACHING TO OPPOSITE -5H SPRING ANGLE
1 BA 4-26 BOLT
2 BA-35 CHAINS
AXLE TUBE
-5F TIE ROD
A VIEW A
TOP VIEW OF CASTERED WHEEL ASSEMBLY
1/8 SCALE
NO. 28 DRILL
1 BA 1183 WASHER
1 BA 10X1/2 PAN HEAD SCREW
SEAT FRAME TUBE
FOLD UNDER
2" NYLON WEBB
NOTE A
FULL SCALE
1 BA 4 34A BOLT
2 BA 960 416 WASHER
4 BA 4 750 WASHER
1 BA 364 428 NUT
2 3/8 OD. 1/4 ID. X 1/4 L. SPACER
1 3/8 OD. 1/4 ID. X 2 1/4 L. SPACER
STANDARD CABLE ENDS
3/8 OD. X 1/4 L. SPACER
3/8 OD ALUM. TUBE
1/8 S.S. CABLE
-9F SEAT BELT BRACKET
FULL SCALE (2 REQ.)
3/16 DRILL (2 HOLES) TRANSFER FROM -6 ANGLES
3/16 DRILL (2 HOLES)
-9 D STRAP
HALF SCALE
SPLIT FROM 1" OD .049 WALL TUBE
-9E GUSSET
(5 REQ.) FULL SCALE
SEE SHEET 4, DWG. 8-104-100 FOR BENDING DETAILS OF SEAT BACK & BOTTOM
-9E GUSSET
-9D STRAP
SEE NOTE A WEBBING ATTCH. DETAIL
WEBBING PARTIALLY OMITTED FOR CLARITY
-9B SEAT BACK FRAME
8-104-106 ANGLE
-9F SEAT BELT BRACKET
-9A SEAT BOTTOM FRAME
-9C ANGLE
-7LT. ANGLE
-7RT. ANGLE
-8LT. ANGLE
-8RT. ANGLE
1 BA 4-27A BOLT
1-9F SPACER
2 BA 4-750 WASHER
1 BA 364-428 NUT
GENERAL ASSEMBLY OF DUAL SEAT
1/8 SCALE
START ALL BENDS AT LEAST 1/8 AWAY FROM STRESS RELIEF.
-7LT.
-7RT.
TYPICAL ENDS BEFORE BENDING. SEE DWG. 8-104-100 SHEET 3
LENGTH BEFORE BENDING 16 1/2
-7 ANGLES
TYPICAL ENDS
BEND AROUND SEAT FRAME
LENGTH BEFORE BENDING 14 3/8
-8 RT.
-8 LT.
-8 ANGLES
STANDARD CABLE END SEE DWG. 8-104-100 SHEET 4
1/8 CABLE DETAIL
BA 12-5 SPRING
-25 TOW HITCH-TO-MAST CABLE
TRAILER HITCH
-4 TUBE
STANDARD CABLE END
-2 SPRING CLIP
-3 SAFETY CABLE
USE HOLES PROVIDED FOR NOSE WHEEL ASSEMBLY
BA 115-16 SHACKLE
BA 393-11 PIN
BA 380 2-2 KEY
1/4 DRILL (4 HOLES) SEE MANUAL
BA-40 CLAMP
-1 BOOM
DRILL (4 HOLES) TRANSFER FROM KEEL TUBE
KEEL TUBE
4 BA 4-44A BOLTS
4 BA 960-416 WASHERS
4 BA 364-428 NUTS
4 BA 4-25A BOLTS
4 BA 960-416 WASHERS
4 BA 364-428 NUTS
13'-0"
GENERAL ASSEMBLY OF RIGID TRAILER BOOM
1/8 SCALE
NOTE: THE -3 SAFETY CABLE & -25 TOW HITCH TO MAST CABLE MUST ALWAYS BE INSTALLED
B VIEW B
-6 ANGLE
-5H SPRING ANGLE
4 BA 4-25A BOLTS
4 BA 960-416 WASHERS
4 BA 364-428 NUTS
CASTERED WHEEL ASSEMBLY
1/8 SCALE
1/4 DRILL (6 HOLES)
16 1/4
OVERALL LENGTH 34
-9C ANGLE
HALF SCALE
Rev. 12 Feb 1971 Wiley Price
Rev. 17 JULY 1967 ELDTC.
PART NO.
PART NAME
STOCK SIZE
MATERIAL
MATERIAL SPEC
COPYRIGHT 1960 - PATENTS PENDING
TOLERANCE
TOTAL CALC WT.
TOTAL ACT WT.
TRAINING EQUIPMENT MODEL B-8
RE DRAWN 2-9-71
By Wiley Price
LAYOUT
DRAWN
CHECKED
ENG APP.
CUST. APP.
Eric E. Smart
Aug. 1960
Eric E. Smart
Aug. 1960
SCALE AS SHOWN
REVISED PER E.D.T.
BENSEN AIRCRAFT CORP.
8-107-100