

NOCPAR

VOLPAR

Accessories Required For Smokejumping:

Primary Vertical Anchor & Floor Platform:	<u>MEDC-747</u> - Primary Vertical Static-line Anchor STC Strength: 2,000 pounds STC #: SA1599NM
Secondary Horizontal Anchor:	<u>MEDC-758</u> - Volpar Horizontal Anchor Track STC Strength: 750 pounds STC #: SA2740NM
Jump Step & Attachment:	<u>MEDC-799</u> - Volpar Step <u>MEDC-794</u> - Universal Step Strut

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA1599NM

This certificate, issued to United States Forest Service
MEDC, Building #1
Missoula, Montana 59801

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product — Type Certificate Number: T.C. 765

Make: Beech

Model: H18 as modified by Volpar BE8T conversion

Description of Type Design Change:

Installation of static-line anchor-cable in accordance with Federal Aviation Administration (FAA) sealed Drawing Number MEDC-747 dated August 1984, FAA approved January 2, 1985, or subsequent approved revisions.

Limitations and Conditions:

This approval limited to Volpar BE8T conversions. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any other previously approved modification will introduce no adverse effect upon the airworthiness of the aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 19, 1984

Date issued:

Date of issuance: January 7, 1985

Date amended:



By direction of the Administrator

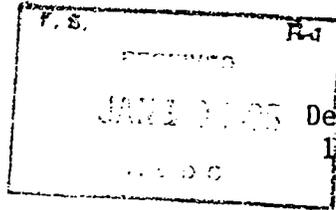
Woodford R. Boyce
Woodford R. Boyce, (Signature) Manager
Denver Aircraft Certification Office
Northwest Mountain Region, Aurora, Colorado
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.



U.S. Department
of Transportation
**Federal Aviation
Administration**



NORTHWEST MOUNTAIN REGION
Denver Aircraft Certification Office
10455 East 25th Avenue - Suite 307
Aurora, Colorado 80010
(303) 330-5575 or 5578

JAN 7 1985

Mr. Lee I. Northcutt, Director
Missoula Equipment Development Center, USFS
Building #1 - Fort Missoula
Missoula, Montana 59801

Dear Mr. Northcutt:

Project No. A1093NMD-S

We have received and reviewed your revised data received by us on December 28, 1984.

With these data, the conformity inspection and test results of September 26, 1984, performed in Anchorage, Alaska, you have demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed Supplemental Type Certificate (STC) SA1599NM, installing static-line vertical anchor cable in the Volpar BEBT conversion of the Beech H18 series aircraft, and Federal Aviation Administration (FAA) sealed copy of your Top Drawing MEDC 747.

This STC is official FAA approval of your installation and may be used to authorize identical installations on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulations (FAR) 21.47. You are requested to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

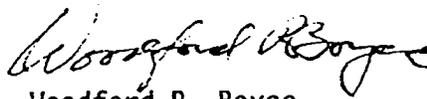
As recipient of this approval, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR Part 21.3(c). The report should be communicated initially by telephone to the Manager, Denver Aircraft Certification Office, telephone number (303) 340-5575, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, ANM-170D, at the above address is required. FAA Form 8330-2 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.



Edward Warren: First American Aloft

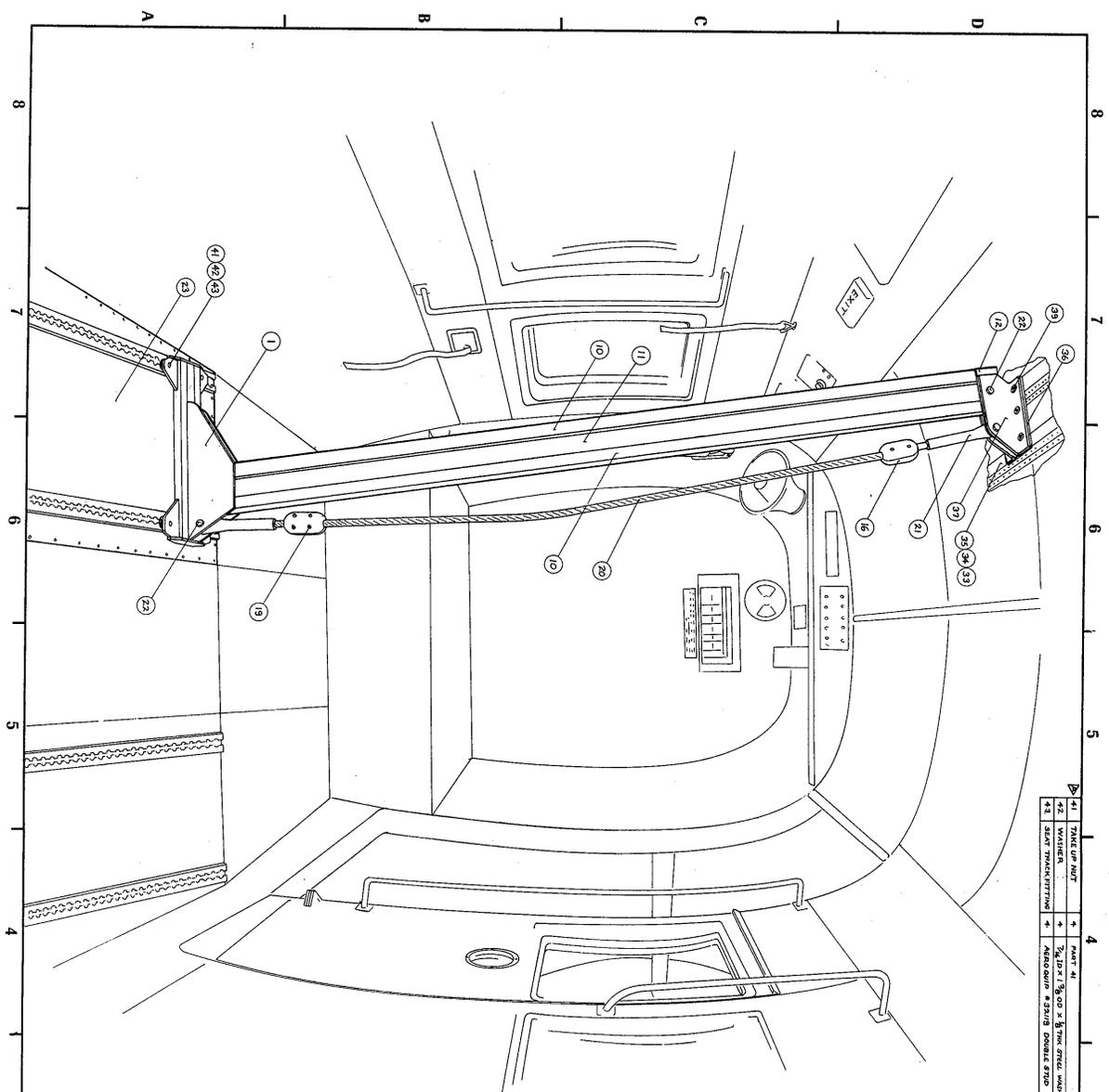
If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying that you have established a fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with a reference to the STC number, and should be addressed to: Federal Aviation Administration, Denver Aircraft Certification Office, 10455 E. 25th Avenue, Suite 307, Aurora, Colorado 80012.

Sincerely,



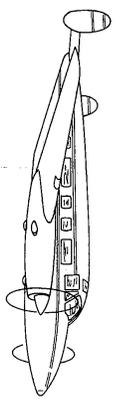
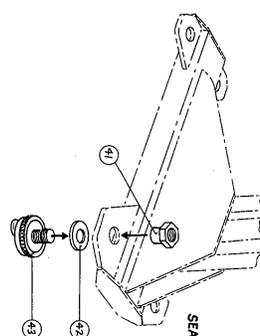
Woodford R. Boyce
Manager

Enclosures



NO.	PART NAME	QTY	UNIT	REVISION
41	TRACK END FITTING	1	PC	
42	WASHER	1	PC	
43	SLANT TRACK FITTING	1	PC	

NO.	PART NAME	QTY	UNIT	REVISION
10	RAIL ASSEMBLY	1	PC	
11	VERTICAL STUDS	2	PC	
12	ANCHOR BRACKET	1	PC	
13	3/8" DIA. ROD	1	PC	
14	3/8" DIA. ROD	1	PC	
15	3/8" DIA. ROD	1	PC	
16	3/8" DIA. ROD	1	PC	
17	3/8" DIA. ROD	1	PC	
18	3/8" DIA. ROD	1	PC	
19	3/8" DIA. ROD	1	PC	
20	3/8" DIA. ROD	1	PC	
21	3/8" DIA. ROD	1	PC	
22	3/8" DIA. ROD	1	PC	
23	3/8" DIA. ROD	1	PC	
24	3/8" DIA. ROD	1	PC	
25	3/8" DIA. ROD	1	PC	
26	3/8" DIA. ROD	1	PC	
27	3/8" DIA. ROD	1	PC	
28	3/8" DIA. ROD	1	PC	
29	3/8" DIA. ROD	1	PC	
30	3/8" DIA. ROD	1	PC	
31	3/8" DIA. ROD	1	PC	
32	3/8" DIA. ROD	1	PC	
33	3/8" DIA. ROD	1	PC	
34	3/8" DIA. ROD	1	PC	
35	3/8" DIA. ROD	1	PC	
36	3/8" DIA. ROD	1	PC	
37	3/8" DIA. ROD	1	PC	
38	3/8" DIA. ROD	1	PC	
39	3/8" DIA. ROD	1	PC	

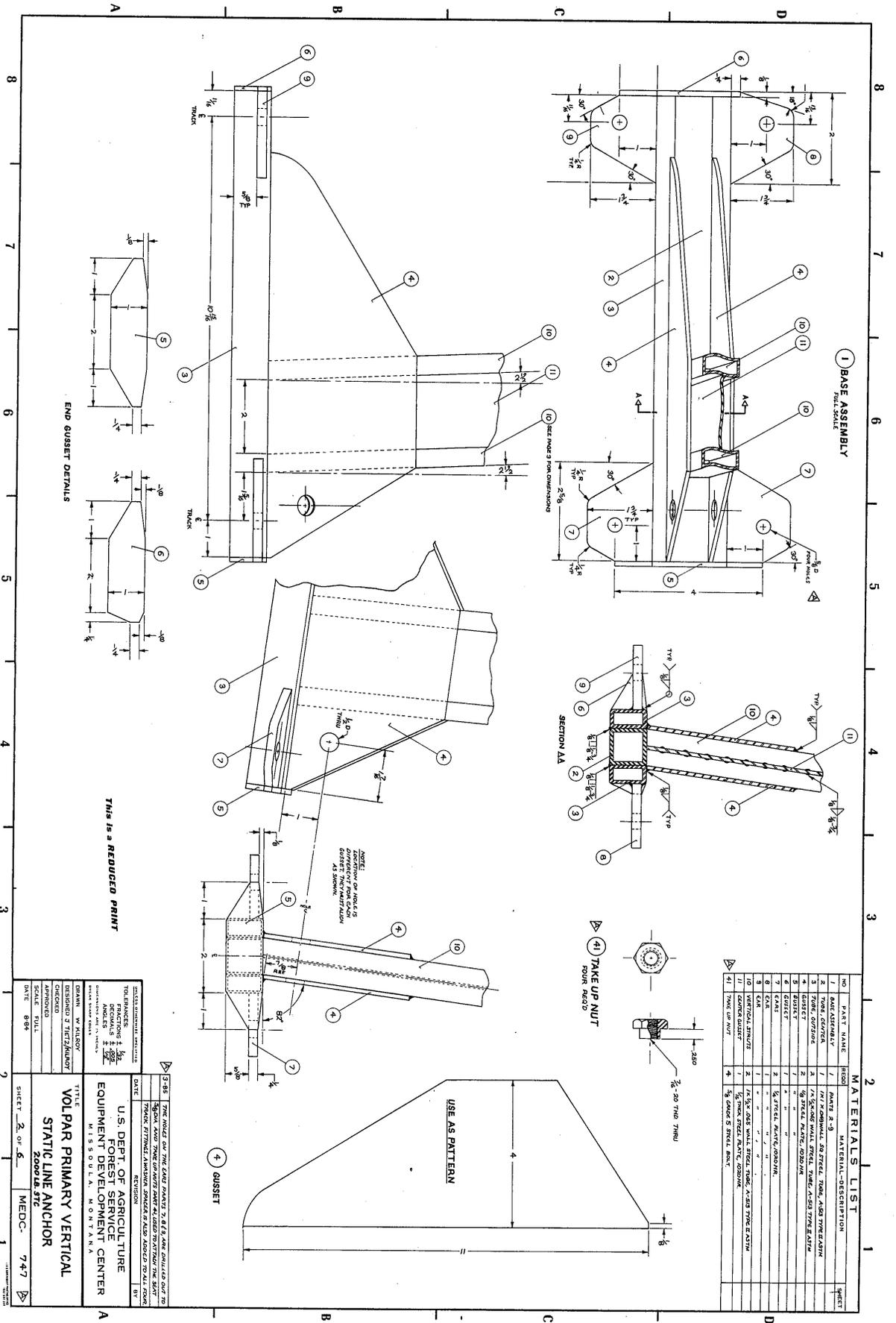


This is a REDUCED PRINT

TITLE VOLPAR PRIMARY VERTICAL STATIC LINE ANCHOR	DRAWN BY W. KILROY	CHECKED BY DESIGNED BY DESIGNED BY DESIGNED BY	DATE 8/88
U.S. DEPT. OF AGRICULTURE FOREST SERVICE EQUIPMENT DEVELOPMENT CENTER MISSOULA, MONTANA	SCALE NONE	SHEET 1 OF 6	MEDC- 747

8 7 6 5 4 3 2 1

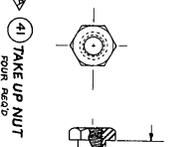
8 7 6 5 4 3 2 1



1 BASE ASSEMBLY
FOR STATIC LINE

2 MATERIALS LIST

NO.	PART NAME	QTY	MATERIAL-DESCRIPTION	SHEET
1	BASE ASSEMBLY	1	ASSEMBLY	1
2	WALNUT	1	1/2" DIA. WALNUT	1
3	WALNUT	1	1/2" DIA. WALNUT	1
4	WALNUT	1	1/2" DIA. WALNUT	1
5	WALNUT	1	1/2" DIA. WALNUT	1
6	WALNUT	1	1/2" DIA. WALNUT	1
7	WALNUT	1	1/2" DIA. WALNUT	1
8	WALNUT	1	1/2" DIA. WALNUT	1
9	WALNUT	1	1/2" DIA. WALNUT	1
10	WALNUT	1	1/2" DIA. WALNUT	1
11	WALNUT	1	1/2" DIA. WALNUT	1
12	WALNUT	1	1/2" DIA. WALNUT	1
13	WALNUT	1	1/2" DIA. WALNUT	1
14	WALNUT	1	1/2" DIA. WALNUT	1
15	WALNUT	1	1/2" DIA. WALNUT	1
16	WALNUT	1	1/2" DIA. WALNUT	1
17	WALNUT	1	1/2" DIA. WALNUT	1
18	WALNUT	1	1/2" DIA. WALNUT	1
19	WALNUT	1	1/2" DIA. WALNUT	1
20	WALNUT	1	1/2" DIA. WALNUT	1
21	WALNUT	1	1/2" DIA. WALNUT	1
22	WALNUT	1	1/2" DIA. WALNUT	1
23	WALNUT	1	1/2" DIA. WALNUT	1
24	WALNUT	1	1/2" DIA. WALNUT	1
25	WALNUT	1	1/2" DIA. WALNUT	1
26	WALNUT	1	1/2" DIA. WALNUT	1
27	WALNUT	1	1/2" DIA. WALNUT	1
28	WALNUT	1	1/2" DIA. WALNUT	1
29	WALNUT	1	1/2" DIA. WALNUT	1
30	WALNUT	1	1/2" DIA. WALNUT	1
31	WALNUT	1	1/2" DIA. WALNUT	1
32	WALNUT	1	1/2" DIA. WALNUT	1
33	WALNUT	1	1/2" DIA. WALNUT	1
34	WALNUT	1	1/2" DIA. WALNUT	1
35	WALNUT	1	1/2" DIA. WALNUT	1
36	WALNUT	1	1/2" DIA. WALNUT	1
37	WALNUT	1	1/2" DIA. WALNUT	1
38	WALNUT	1	1/2" DIA. WALNUT	1
39	WALNUT	1	1/2" DIA. WALNUT	1
40	WALNUT	1	1/2" DIA. WALNUT	1
41	WALNUT	1	1/2" DIA. WALNUT	1
42	WALNUT	1	1/2" DIA. WALNUT	1
43	WALNUT	1	1/2" DIA. WALNUT	1
44	WALNUT	1	1/2" DIA. WALNUT	1
45	WALNUT	1	1/2" DIA. WALNUT	1
46	WALNUT	1	1/2" DIA. WALNUT	1
47	WALNUT	1	1/2" DIA. WALNUT	1
48	WALNUT	1	1/2" DIA. WALNUT	1
49	WALNUT	1	1/2" DIA. WALNUT	1
50	WALNUT	1	1/2" DIA. WALNUT	1



USE AS PATTERN

NOTE: ANGLE OF ANGLE IS ADJUSTED TO MATCH MASTHEAD AS SHOWN.

This is a REDUCED PRINT

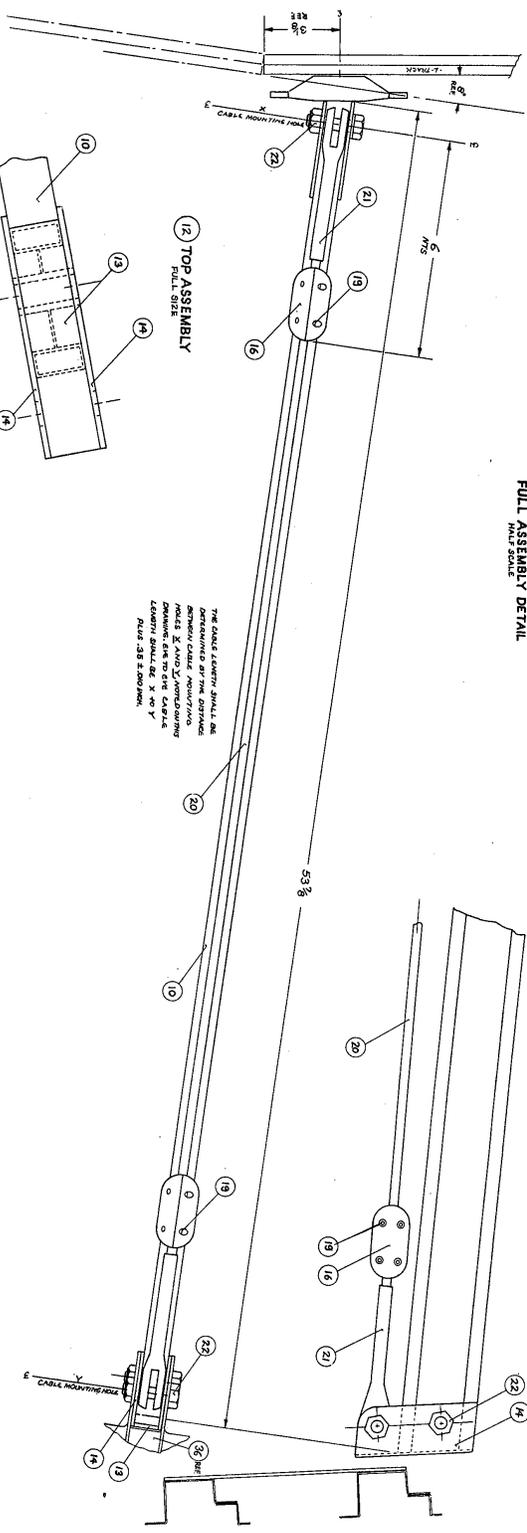
3 28 THE HOLE ON THE END INDICATES 7/8" DIA. AND SHOULD BE TO MATCH THE HOLE ON THE END OF THE ANCHOR. THE HOLE ON THE END OF THE ANCHOR SHOULD BE TO MATCH THE HOLE ON THE END OF THE ANCHOR.

NO.	DATE	REVISION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

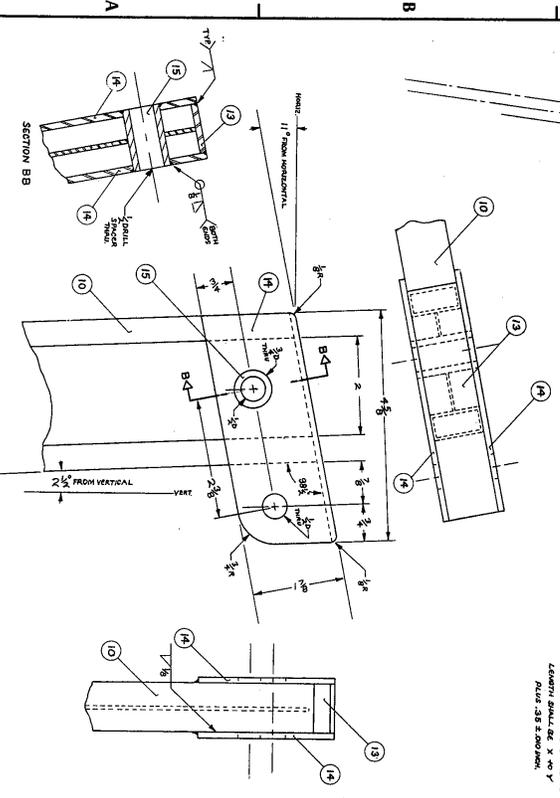
TITLE: VOLPAR PRIMARY VERTICAL STATIC LINE ANCHOR
 DRAWN: W. HILSON
 CHECKED: J. HILSON
 APPROVED: J. HILSON
 SCALE: FULL
 DATE: 8-8-57
 SHEET: 2 OF 6
 MEDC-747

MATERIALS LIST		1		
NO.	PART NAME	REVISION	MATERIAL-DESCRIPTION	SHEET
1	TOP ASSEMBLY	1	ASSEMBLY	1
2	STOP ASSEMBLY	1	ASSEMBLY	1
3	STOP ASSEMBLY	1	ASSEMBLY	1
4	STOP ASSEMBLY	1	ASSEMBLY	1
5	STOP ASSEMBLY	1	ASSEMBLY	1
6	STOP ASSEMBLY	1	ASSEMBLY	1
7	STOP ASSEMBLY	1	ASSEMBLY	1
8	STOP ASSEMBLY	1	ASSEMBLY	1
9	STOP ASSEMBLY	1	ASSEMBLY	1
10	STOP ASSEMBLY	1	ASSEMBLY	1
11	STOP ASSEMBLY	1	ASSEMBLY	1
12	STOP ASSEMBLY	1	ASSEMBLY	1
13	STOP ASSEMBLY	1	ASSEMBLY	1
14	STOP ASSEMBLY	1	ASSEMBLY	1
15	STOP ASSEMBLY	1	ASSEMBLY	1
16	STOP ASSEMBLY	1	ASSEMBLY	1
17	STOP ASSEMBLY	1	ASSEMBLY	1
18	STOP ASSEMBLY	1	ASSEMBLY	1
19	STOP ASSEMBLY	1	ASSEMBLY	1
20	STOP ASSEMBLY	1	ASSEMBLY	1
21	STOP ASSEMBLY	1	ASSEMBLY	1
22	STOP ASSEMBLY	1	ASSEMBLY	1
23	STOP ASSEMBLY	1	ASSEMBLY	1
24	STOP ASSEMBLY	1	ASSEMBLY	1
25	STOP ASSEMBLY	1	ASSEMBLY	1
26	STOP ASSEMBLY	1	ASSEMBLY	1
27	STOP ASSEMBLY	1	ASSEMBLY	1
28	STOP ASSEMBLY	1	ASSEMBLY	1
29	STOP ASSEMBLY	1	ASSEMBLY	1
30	STOP ASSEMBLY	1	ASSEMBLY	1
31	STOP ASSEMBLY	1	ASSEMBLY	1
32	STOP ASSEMBLY	1	ASSEMBLY	1
33	STOP ASSEMBLY	1	ASSEMBLY	1
34	STOP ASSEMBLY	1	ASSEMBLY	1
35	STOP ASSEMBLY	1	ASSEMBLY	1
36	STOP ASSEMBLY	1	ASSEMBLY	1
37	STOP ASSEMBLY	1	ASSEMBLY	1
38	STOP ASSEMBLY	1	ASSEMBLY	1
39	STOP ASSEMBLY	1	ASSEMBLY	1
40	STOP ASSEMBLY	1	ASSEMBLY	1
41	STOP ASSEMBLY	1	ASSEMBLY	1
42	STOP ASSEMBLY	1	ASSEMBLY	1
43	STOP ASSEMBLY	1	ASSEMBLY	1
44	STOP ASSEMBLY	1	ASSEMBLY	1
45	STOP ASSEMBLY	1	ASSEMBLY	1
46	STOP ASSEMBLY	1	ASSEMBLY	1
47	STOP ASSEMBLY	1	ASSEMBLY	1
48	STOP ASSEMBLY	1	ASSEMBLY	1
49	STOP ASSEMBLY	1	ASSEMBLY	1
50	STOP ASSEMBLY	1	ASSEMBLY	1
51	STOP ASSEMBLY	1	ASSEMBLY	1
52	STOP ASSEMBLY	1	ASSEMBLY	1
53	STOP ASSEMBLY	1	ASSEMBLY	1
54	STOP ASSEMBLY	1	ASSEMBLY	1
55	STOP ASSEMBLY	1	ASSEMBLY	1
56	STOP ASSEMBLY	1	ASSEMBLY	1
57	STOP ASSEMBLY	1	ASSEMBLY	1
58	STOP ASSEMBLY	1	ASSEMBLY	1
59	STOP ASSEMBLY	1	ASSEMBLY	1
60	STOP ASSEMBLY	1	ASSEMBLY	1
61	STOP ASSEMBLY	1	ASSEMBLY	1
62	STOP ASSEMBLY	1	ASSEMBLY	1
63	STOP ASSEMBLY	1	ASSEMBLY	1
64	STOP ASSEMBLY	1	ASSEMBLY	1
65	STOP ASSEMBLY	1	ASSEMBLY	1
66	STOP ASSEMBLY	1	ASSEMBLY	1
67	STOP ASSEMBLY	1	ASSEMBLY	1
68	STOP ASSEMBLY	1	ASSEMBLY	1
69	STOP ASSEMBLY	1	ASSEMBLY	1
70	STOP ASSEMBLY	1	ASSEMBLY	1
71	STOP ASSEMBLY	1	ASSEMBLY	1
72	STOP ASSEMBLY	1	ASSEMBLY	1
73	STOP ASSEMBLY	1	ASSEMBLY	1
74	STOP ASSEMBLY	1	ASSEMBLY	1
75	STOP ASSEMBLY	1	ASSEMBLY	1
76	STOP ASSEMBLY	1	ASSEMBLY	1
77	STOP ASSEMBLY	1	ASSEMBLY	1
78	STOP ASSEMBLY	1	ASSEMBLY	1
79	STOP ASSEMBLY	1	ASSEMBLY	1
80	STOP ASSEMBLY	1	ASSEMBLY	1
81	STOP ASSEMBLY	1	ASSEMBLY	1
82	STOP ASSEMBLY	1	ASSEMBLY	1
83	STOP ASSEMBLY	1	ASSEMBLY	1
84	STOP ASSEMBLY	1	ASSEMBLY	1
85	STOP ASSEMBLY	1	ASSEMBLY	1
86	STOP ASSEMBLY	1	ASSEMBLY	1
87	STOP ASSEMBLY	1	ASSEMBLY	1
88	STOP ASSEMBLY	1	ASSEMBLY	1
89	STOP ASSEMBLY	1	ASSEMBLY	1
90	STOP ASSEMBLY	1	ASSEMBLY	1
91	STOP ASSEMBLY	1	ASSEMBLY	1
92	STOP ASSEMBLY	1	ASSEMBLY	1
93	STOP ASSEMBLY	1	ASSEMBLY	1
94	STOP ASSEMBLY	1	ASSEMBLY	1
95	STOP ASSEMBLY	1	ASSEMBLY	1
96	STOP ASSEMBLY	1	ASSEMBLY	1
97	STOP ASSEMBLY	1	ASSEMBLY	1
98	STOP ASSEMBLY	1	ASSEMBLY	1
99	STOP ASSEMBLY	1	ASSEMBLY	1
100	STOP ASSEMBLY	1	ASSEMBLY	1

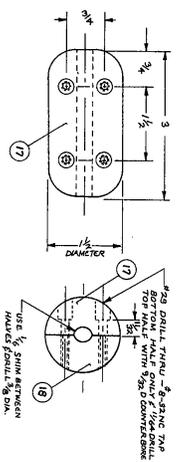
FULL ASSEMBLY DETAIL
FULL SCALE



(12) TOP ASSEMBLY
FULL SCALE



(16) STOP ASSEMBLY
FULL SCALE

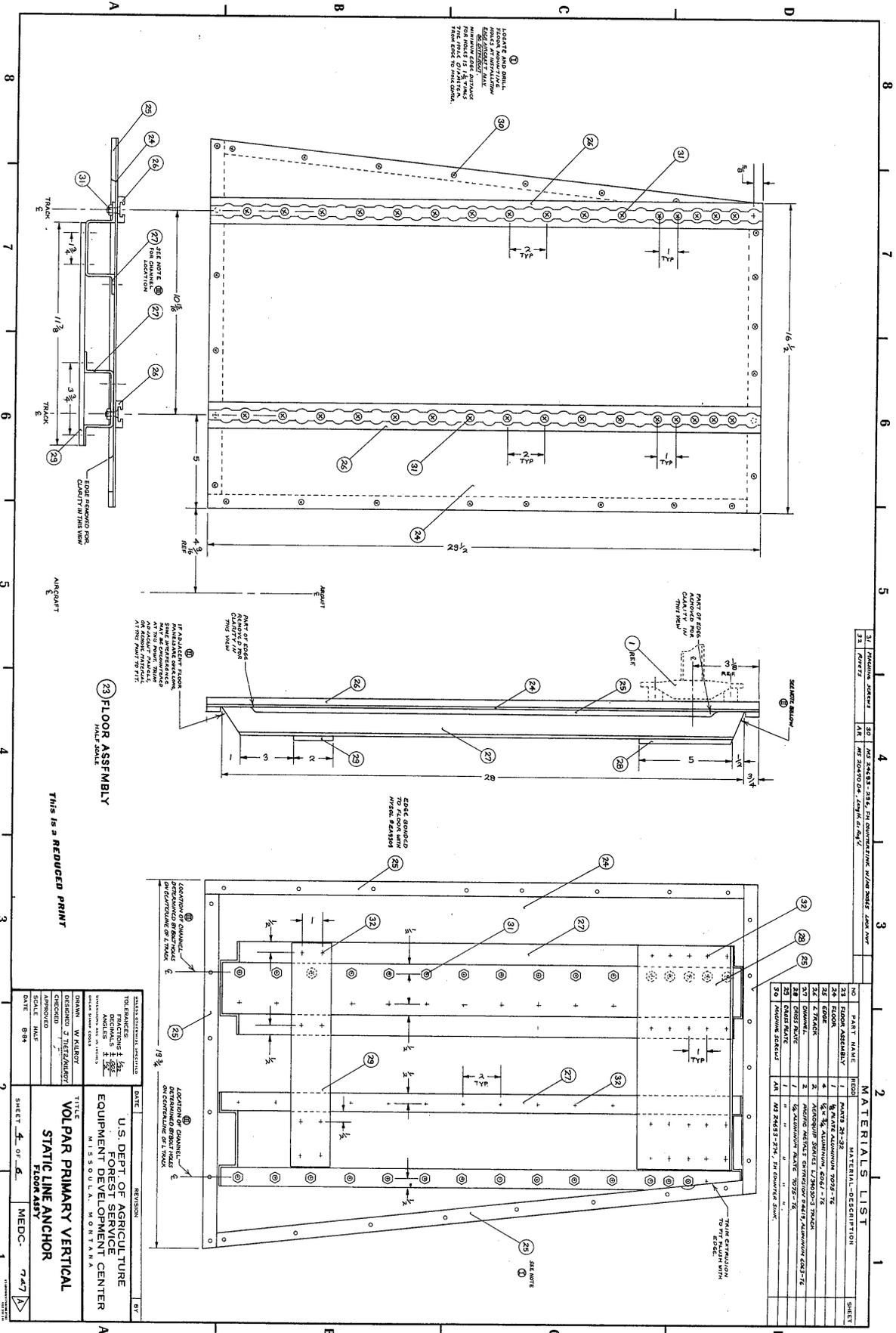


This is a reduced print

NO.	REVISION	DATE	DESCRIPTION
1			

U.S. DEPT. OF AGRICULTURE
 FOREST SERVICE
 EQUIPMENT DEVELOPMENT CENTER
 VOLPAR PRIMARY VERTICAL
 STATIC LINE ANCHOR
 TOP ASSEMBLY

DRAWN BY: []
 CHECKED BY: []
 APPROVED BY: []
 SCALE: NONE
 DATE: 8-84
 SHEET: 3 OF 6
 MEDC-747



31		30		29		28		27		26		25		24		23	
NO.	PART NAME	NO.	PART NAME	NO.	PART NAME	NO.	PART NAME	NO.	PART NAME	NO.	PART NAME	NO.	PART NAME	NO.	PART NAME	NO.	PART NAME
31	FLOOR ASSEMBLY	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
32	FLOOR JOIST	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
33	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
34	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
35	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
36	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
37	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
38	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
39	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
40	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
41	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
42	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
43	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
44	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
45	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
46	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
47	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
48	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
49	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR
50	FLOOR ANCHOR	30	1/2" ALUMINUM ANCHOR	29	1/2" ALUMINUM ANCHOR	28	1/2" ALUMINUM ANCHOR	27	1/2" ALUMINUM ANCHOR	26	1/2" ALUMINUM ANCHOR	25	1/2" ALUMINUM ANCHOR	24	1/2" ALUMINUM ANCHOR	23	1/2" ALUMINUM ANCHOR

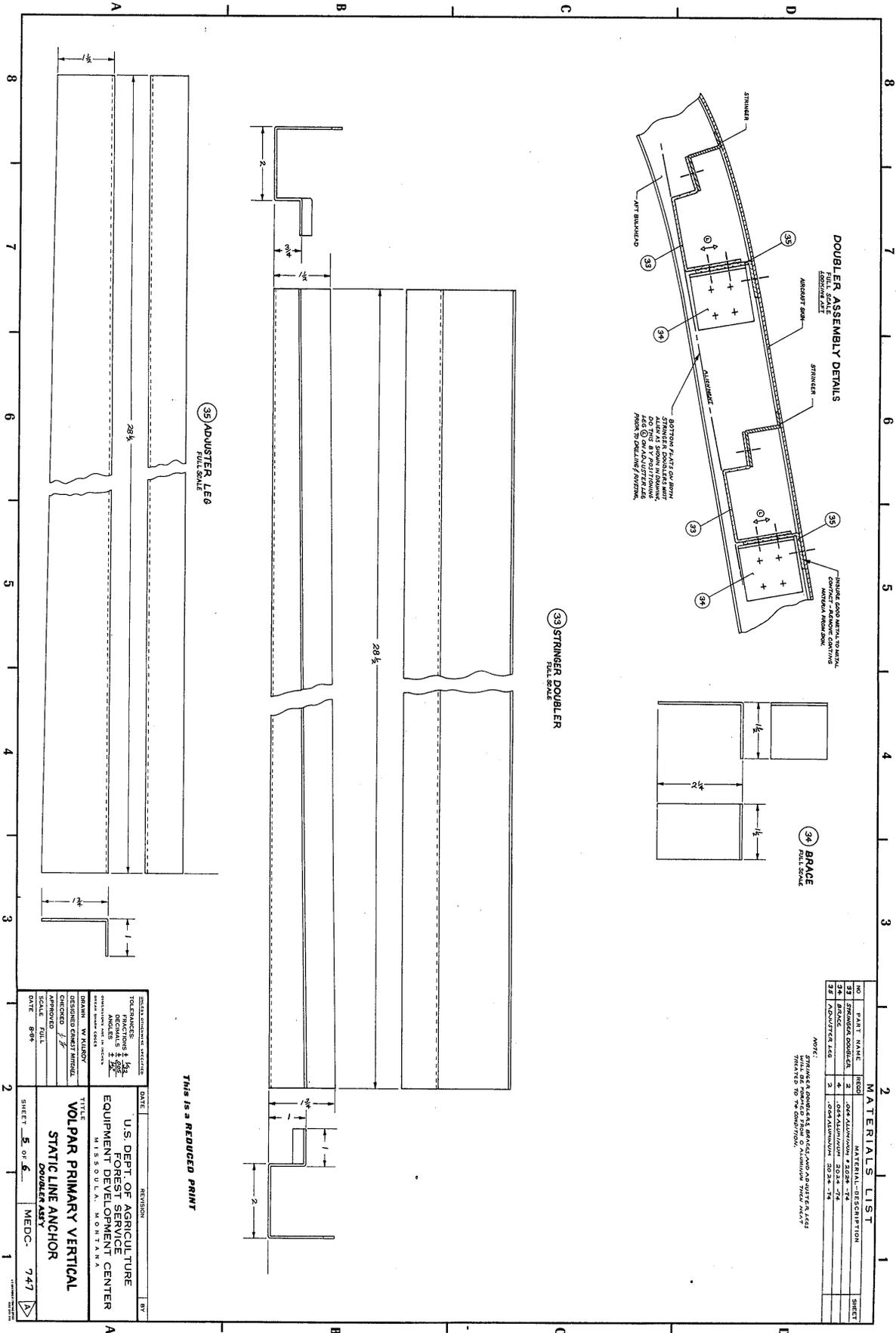
MATERIALS LIST	
NO.	PART NAME
23	FLOOR ASSEMBLY
24	FLOOR JOIST
25	FLOOR ANCHOR
26	FLOOR ANCHOR
27	FLOOR ANCHOR
28	FLOOR ANCHOR
29	FLOOR ANCHOR
30	FLOOR ANCHOR
31	FLOOR ANCHOR
32	FLOOR ANCHOR
33	FLOOR ANCHOR
34	FLOOR ANCHOR
35	FLOOR ANCHOR
36	FLOOR ANCHOR
37	FLOOR ANCHOR
38	FLOOR ANCHOR
39	FLOOR ANCHOR
40	FLOOR ANCHOR
41	FLOOR ANCHOR
42	FLOOR ANCHOR
43	FLOOR ANCHOR
44	FLOOR ANCHOR
45	FLOOR ANCHOR
46	FLOOR ANCHOR
47	FLOOR ANCHOR
48	FLOOR ANCHOR
49	FLOOR ANCHOR
50	FLOOR ANCHOR

U.S. DEPT. OF AGRICULTURE
 FOREST SERVICE
 EQUIPMENT DEVELOPMENT CENTER
 MISSOURI, MONTANA
 VOLPAR PRIMARY VERTICAL
 STATIC LINE ANCHOR
 FLOOR ASSEMBLY

THIS IS A REDUCED PRINT
 FLOOR ASSEMBLY
 HALF SCALE

TOLERANCES:
 DIMENSIONS: ± 1/32"
 FINISHES: AS SHOWN
 UNLESS OTHERWISE SPECIFIED
 DRAWN: W. MILROY
 CHECKED: J. TERRY/AMBY
 SCALE: HALF
 DATE: 8/84

SHEET 4 OF 4
 MEDC-747



MATERIALS LIST

NO.	PART NAME	QTY	DESCRIPTION	SHEET
33	STRINGER DOUBLER	2	004 ALUMINUM 4.000 74	1
34	BRACE	4	004 ALUMINUM 2.000 74	1
35	ADJUSTER LEG	3	004 ALUMINUM 2.000 74	1

NOTE: PARTS 33, 34, AND 35 ARE TO BE MANUFACTURED FROM 0 ALUMINUM WELD METAL FINISHED TO THE CONDITION.

This is a REDUCED PRINT

DATE	REVISION	BY

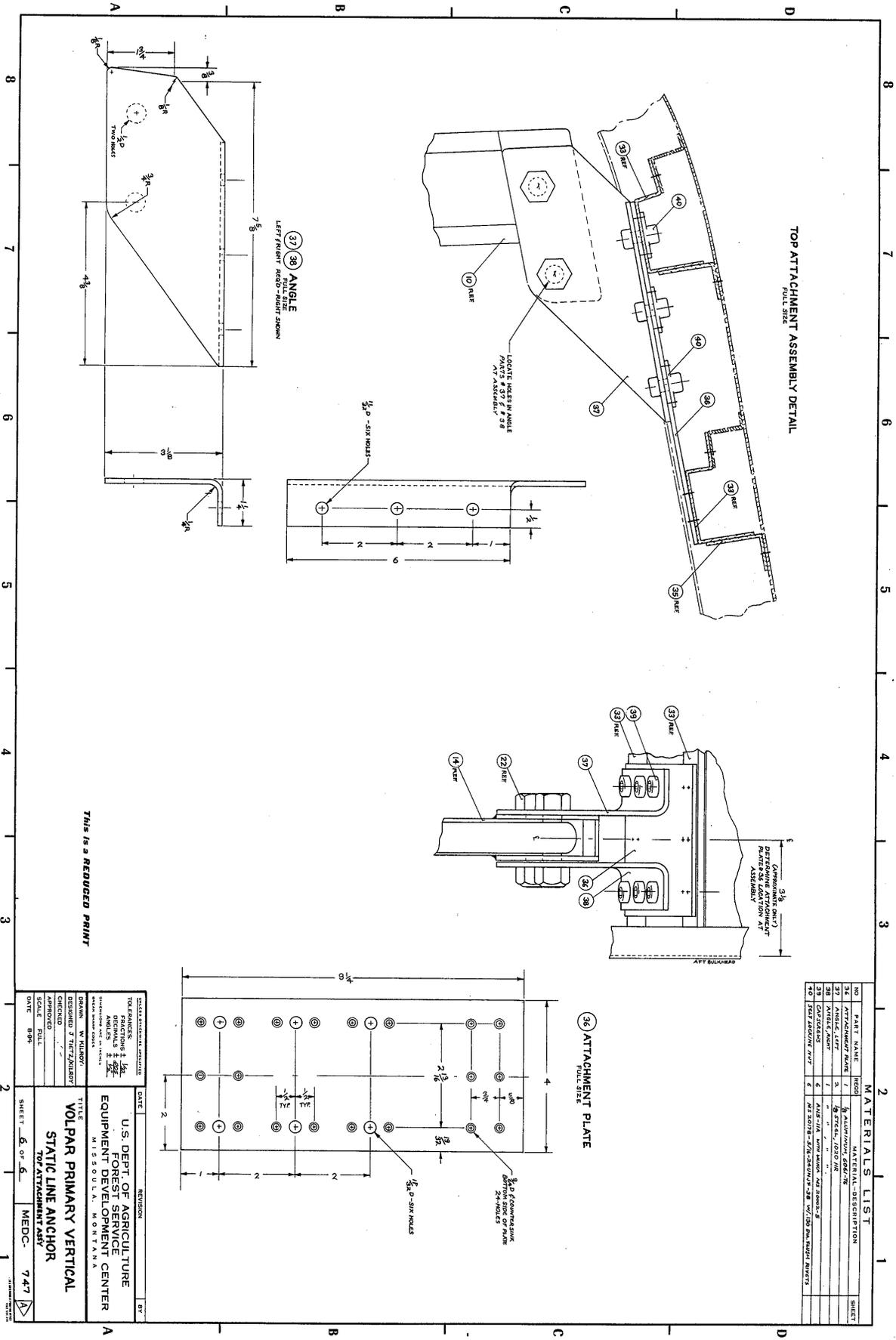
DESIGNED BY: *[Signature]*
 DRAWN BY: *[Signature]*
 CHECKED BY: *[Signature]*
 DATE: 8-64

TOLERANCES: DIMENSIONS ± .005
 HOLE DIA. ± .005
 HOLE POSITION ± .010

U.S. DEPT. OF AGRICULTURE
 FOREST SERVICE
 EQUIPMENT DEVELOPMENT CENTER
 MISSOULA, MONTANA

TITLE: VOLPAR PRIMARY VERTICAL
 DOUBLER ASSEMBLY

SHEET 5 OF 6 MEDC-747



TOP ATTACHMENT ASSEMBLY DETAIL
FULL SIZE

36 ATTACHMENT PLATE
FULL SIZE

MATERIALS LIST

NO	PART NAME	QTY	MATERIAL DESCRIPTION	SHEET
36	ATTACHMENT PLATE	1	1/2" ALUMINUM, 1/8" THICK	1
37	ANGLE, LEFT	2	3/8" STEEL, 1/2" X 3/8"	1
38	ANGLE, RIGHT	1	3/8" STEEL, 1/2" X 3/8"	1
39	SCREW	4	1/4" DIA. X 1/2" LONG, 1/4" DIA. X 1/2" LONG	1
40	WASHER	4	1/4" DIA. X 1/2" LONG, 1/4" DIA. X 1/2" LONG	1
41	NUT	4	1/4" DIA. X 1/2" LONG, 1/4" DIA. X 1/2" LONG	1

This is a REDUCED PRINT

DESIGNATION		DATE	REVISION	BY
DESIGNED	W. HILSON			
CHECKED				
APPROVED				
DATE	8-96			

TITLE
VOL PAR PRIMARY VERTICAL
STATIC LINE ANCHOR
VOL ATTACHMENT PART

**U.S. DEPT. OF AGRICULTURE
FOREST SERVICE
EQUIPMENT DEVELOPMENT CENTER
MISSOULA, MONTANA**

SHEET 6 OF 6 MEDC-747

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA2740NM

This certificate, issued to United States Forest Service
MEDC, Building #1 - Fort Missoula
Missoula, Montana 59801

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product — Type Certificate Number: T.C. 765
Make: Beech
Model: H18 as modified by Volpar BE8T conversion

Description of Type Design Change:

Installation of overhead cargo-dropper tether anchor in accordance with Federal Aviation Administration (FAA) sealed Drawing Number MEDC-758 dated September 1985, FAA approved March 20, 1986 or subsequent approved revisions.

Limitations and Conditions:

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any other previously approved modification will introduce no adverse effect upon the airworthiness of the aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: November 25, 1984

Date reissued:

Date of issuance: March 20, 1986

Date amended:



By direction of the Administrator

Woodford Boyce
Woodford K. Boyce, *Signature* Manager
Denver Aircraft Certification Office
Northwest Mountain Region, Aurora, Colorado

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transferee) _____
(Number and street)

(City, State, and ZIP code)

from *(Name of grantor)* *(Print or type)* _____

(Address of grantor) _____
(Number and street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

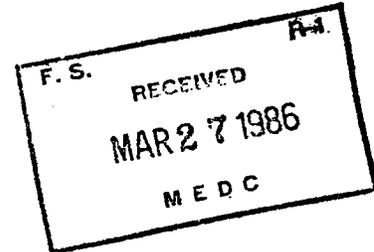


U.S. Department
of Transportation
**Federal Aviation
Administration**

NORTHWEST MOUNTAIN REGION
Denver Aircraft Certification Office
10455 East 25th Avenue-Suite 307
Aurora, Colorado 80010
(303) 340-5575 or 5578

MAR 25 1986

U.S Forest Service
MEDC, Building #1 - Fort Missoula
Missoula, Montana 59801



Gentlemen:

Project No. A1197NMD-S

We have completed our evaluation of your supplemental type certificate (STC) project and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed STC No. SA2740NM for the installation of overhead cargo-dropper tether anchor in Beech H18 as modified by Volpar BE8T conversion.

This STC is official FAA approval of your installation and may be used to authorize identical installations on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulations (FAR) 21.47. You are requested to advise your local office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

As recipient of this approval, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR Part 21.3(c). The report should be communicated initially by telephone to the Manager, Denver Aircraft Certification Office, telephone number (303) 340-5575, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, ANM-100D, at the above address is required. FAA Form 8330-2 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.



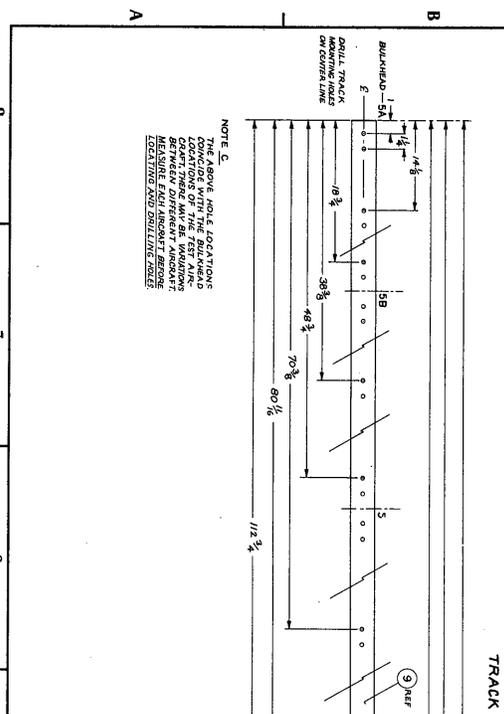
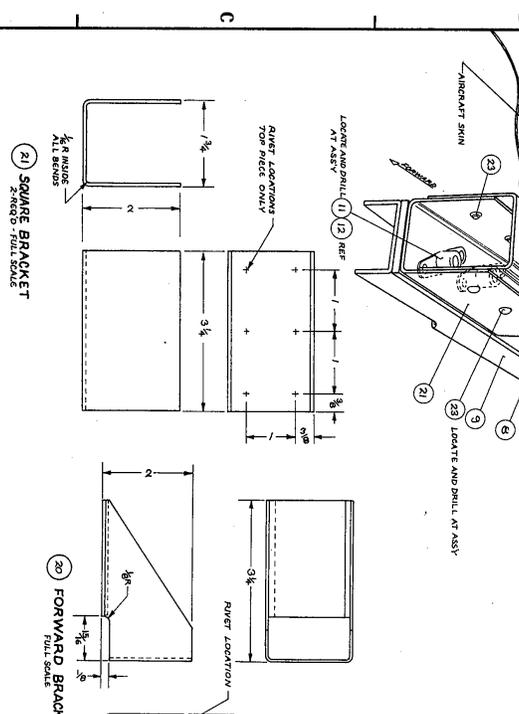
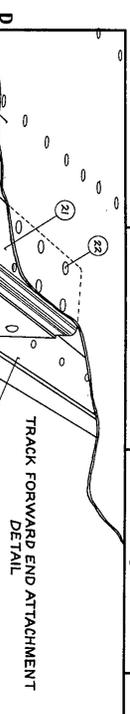
50 Years of Air Traffic Control Excellence
- A Standard for the World -

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR Part 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying that you have established a fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with a reference to the STC number, and should be mailed to the address indicated above.

Sincerely,


Woodford R. Boyce
Manager, Denver Aircraft
Certification Office

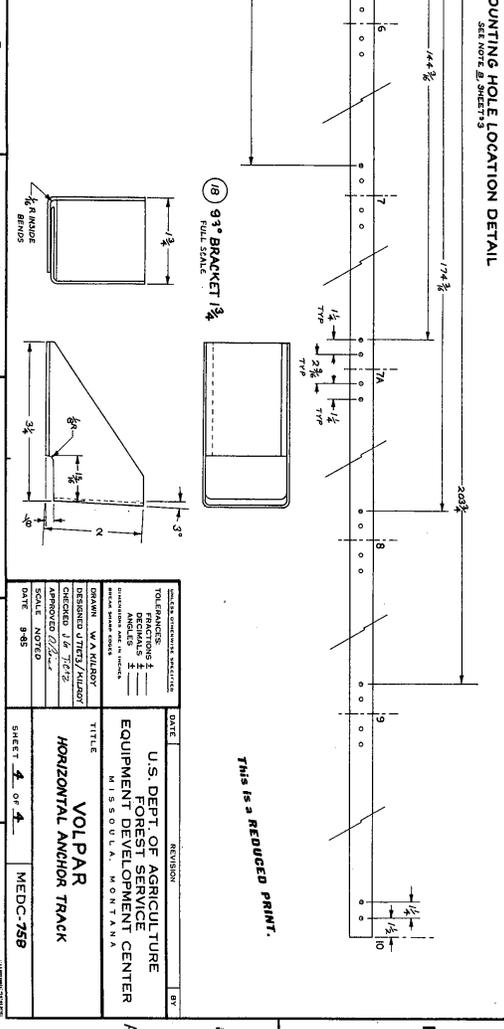
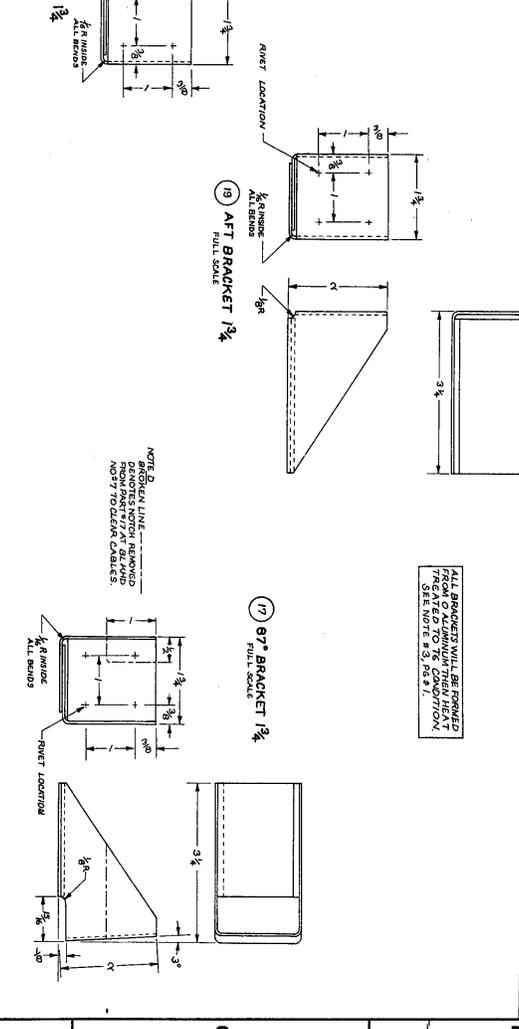
Enclosure



NOTE C
THE ABOVE HOLE LOCATIONS
LOCATIONS OF THE TRACK
DEPARTURES MAY BE VARYING
DISTANCES FROM THE TRACK
MEASURE FROM ANCHOR POINT BEFORE
LOCATING AND DRILLING HOLES

MATERIALS LIST		SHEET	
NO	PART NAME	QTY	DESCRIPTION
17	67° BRACKET 1/2"	1	603 ALUMINUM PLATE, 2024-T3
18	AFT BRACKET 1/2"	4	"
19	FORWARD BRACKET 1/2"	5	"
20	SQUARE BRACKET 1/2"	2	"
21	93° BRACKET 1/2"	6	"
22	93° BRACKET 1/2"	6	"
23	93° BRACKET 1/2"	6	"
24	93° BRACKET 1/2"	6	"
25	93° BRACKET 1/2"	6	"
26	93° BRACKET 1/2"	6	"
27	93° BRACKET 1/2"	6	"
28	93° BRACKET 1/2"	6	"
29	93° BRACKET 1/2"	6	"
30	93° BRACKET 1/2"	6	"
31	93° BRACKET 1/2"	6	"
32	93° BRACKET 1/2"	6	"
33	93° BRACKET 1/2"	6	"
34	93° BRACKET 1/2"	6	"
35	93° BRACKET 1/2"	6	"
36	93° BRACKET 1/2"	6	"
37	93° BRACKET 1/2"	6	"
38	93° BRACKET 1/2"	6	"
39	93° BRACKET 1/2"	6	"
40	93° BRACKET 1/2"	6	"
41	93° BRACKET 1/2"	6	"
42	93° BRACKET 1/2"	6	"
43	93° BRACKET 1/2"	6	"
44	93° BRACKET 1/2"	6	"
45	93° BRACKET 1/2"	6	"
46	93° BRACKET 1/2"	6	"
47	93° BRACKET 1/2"	6	"
48	93° BRACKET 1/2"	6	"
49	93° BRACKET 1/2"	6	"
50	93° BRACKET 1/2"	6	"
51	93° BRACKET 1/2"	6	"
52	93° BRACKET 1/2"	6	"
53	93° BRACKET 1/2"	6	"
54	93° BRACKET 1/2"	6	"
55	93° BRACKET 1/2"	6	"
56	93° BRACKET 1/2"	6	"
57	93° BRACKET 1/2"	6	"
58	93° BRACKET 1/2"	6	"
59	93° BRACKET 1/2"	6	"
60	93° BRACKET 1/2"	6	"
61	93° BRACKET 1/2"	6	"
62	93° BRACKET 1/2"	6	"
63	93° BRACKET 1/2"	6	"
64	93° BRACKET 1/2"	6	"
65	93° BRACKET 1/2"	6	"
66	93° BRACKET 1/2"	6	"
67	93° BRACKET 1/2"	6	"
68	93° BRACKET 1/2"	6	"
69	93° BRACKET 1/2"	6	"
70	93° BRACKET 1/2"	6	"
71	93° BRACKET 1/2"	6	"
72	93° BRACKET 1/2"	6	"
73	93° BRACKET 1/2"	6	"
74	93° BRACKET 1/2"	6	"
75	93° BRACKET 1/2"	6	"
76	93° BRACKET 1/2"	6	"
77	93° BRACKET 1/2"	6	"
78	93° BRACKET 1/2"	6	"
79	93° BRACKET 1/2"	6	"
80	93° BRACKET 1/2"	6	"
81	93° BRACKET 1/2"	6	"
82	93° BRACKET 1/2"	6	"
83	93° BRACKET 1/2"	6	"
84	93° BRACKET 1/2"	6	"
85	93° BRACKET 1/2"	6	"
86	93° BRACKET 1/2"	6	"
87	93° BRACKET 1/2"	6	"
88	93° BRACKET 1/2"	6	"
89	93° BRACKET 1/2"	6	"
90	93° BRACKET 1/2"	6	"
91	93° BRACKET 1/2"	6	"
92	93° BRACKET 1/2"	6	"
93	93° BRACKET 1/2"	6	"
94	93° BRACKET 1/2"	6	"
95	93° BRACKET 1/2"	6	"
96	93° BRACKET 1/2"	6	"
97	93° BRACKET 1/2"	6	"
98	93° BRACKET 1/2"	6	"
99	93° BRACKET 1/2"	6	"
100	93° BRACKET 1/2"	6	"

ALL BRACKETS WILL BE POWDER
TREATED TO TOP CONDITION
SEE NOTE B.3, P. 9.



NOTE B
RIVET LINES SHOWN
FROM PART 17 AT BLAND
NOT TO SCALE
SEE NOTE B.3, P. 9.

DESIGNER'S SPECIFICATIONS		DATE		REVISION		BY	
TOLERANCES:	FRACTIONS 1/16"						
	DECIMALS 0.005"						
	ANGLES 1/2°						
DRAWN: W.A. HUBBY		DESIGNED: J.T.H./A.H.B.		CHECKED: J.L. TAYLOR		APPROVED: J.T.H.	
SCALE NOTED		DATE: 9-85		SHEET: 4 OF 4		MEDC-758	
TITLE: VOL PAR HORIZONTAL ANCHOR TRACK				U.S. DEPT. OF AGRICULTURE EQUIPMENT DEVELOPMENT CENTER MISSOULA, MONTANA			

THIS IS A REDUCED PRINT.

