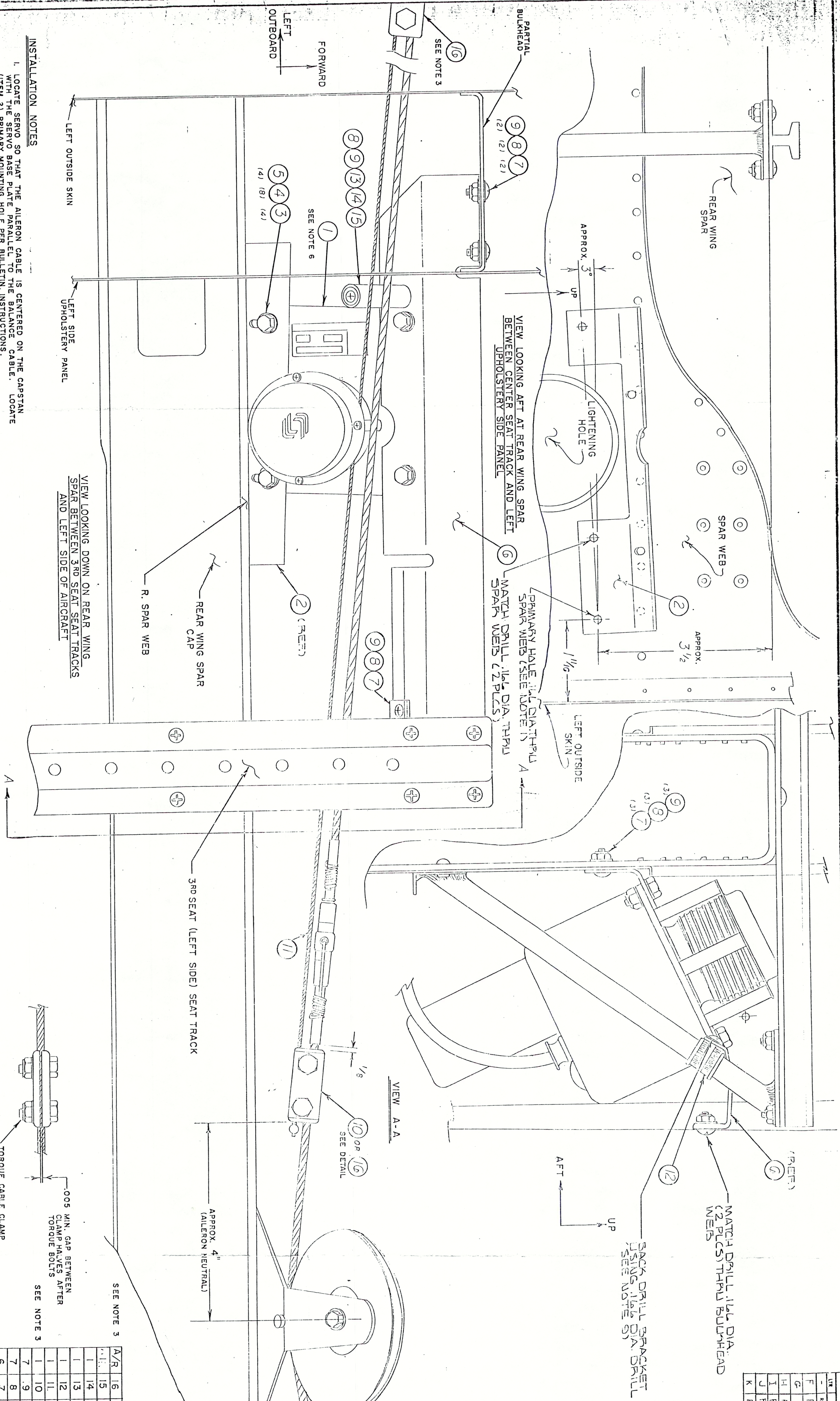
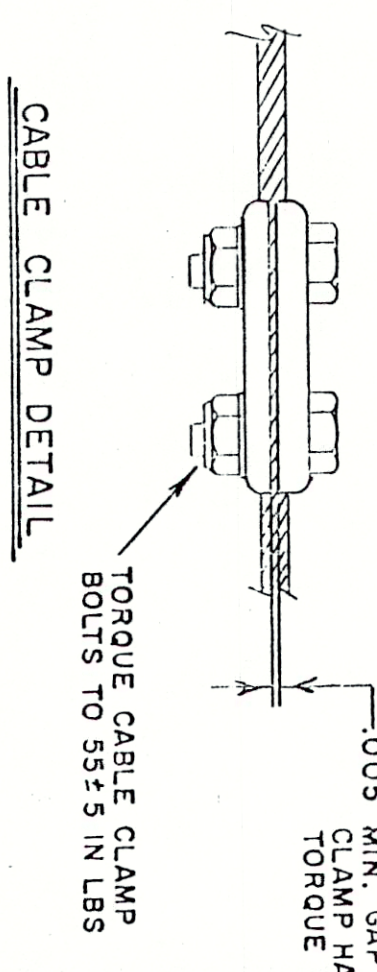


REV	DESCRIPTION	DATE	APPROVED BY
1	RELEASED FOR E.O. 121	1/21/50	AMC/0531
2	RE-DRAWN PER E.O. 1573	10/1/50	7/1/50
3	REVISED NOTE 3, PER FECD 574	11-05-50	5/1/50
4	REV. PER FECD 1014	5/1/51	DKJ
5	REV. PER FECD 1291	10-10-51	DKJ
6	REV. PER FECD 1343	1-13-52	DKJ
7	REV. PER FECD 1365	2-5-54	DKJ



- INSTALLATION NOTES**
1. LOCATE SERVO SO THAT THE ALERON CABLE IS CENTERED ON THE CAPSTAN WITH THE SERVO BASE PLATE PARALLEL TO THE BALANCE CABLE. LOCATE (ITEM 2) PRIMARY MOUNTING HOLE PER BULLETIN INSTRUCTIONS.
 2. ADJUST THE SERVO POSITION IN THE BRACKETS AS NECESSARY, SO THAT THE BALANCE CABLE CLEARS THE CABLE GUARD ON THE CAPSTAN BY A MINIMUM OF 1/16 INCH.
 3. WITH THE CENTER BALL ON THE BRIDLE CABLE TO THE FRONT (FORWARD) AND THE LONG END INBOARD, WRAP THE BRIDLE CABLE 360° AROUND THE CAPSTAN, EACH DIRECTION, AND ATTACH TO THE ALERON CABLE USING THE CABLE CLAMPS PROVIDED. THE ALERONS IN BOTH AIRCRAFT HAVE 5/32" CABLE THROUGHOUT THE ALERON CONTROL SYSTEM, AND REQUIRE TWO 6122 CABLE CLAMPS:
 F33A, S/N D-9982 (UP); F33C, S/N C-1281 (UP)
 ALL REMAINING AIRCRAFT USE F33C, S/N C-1281 (UP)
 INBOARD
 F33A, S/N CE-881 (UP); F33C, S/N CE-8261 (UP)
 ALL REMAINING AIRCRAFT USE F33C, S/N CE-8261 (UP)
 OUTBOARD
 4. THE BRIDLE CABLE CLAMPS CAN BE ADJUSTED (ROTATED) TO ALIGN THE BRIDLE CABLE WITH THE CAPSTAN GROOVES.
 5. POSITION (ITEM 15) ROLLER SO THAT THE BRIDLE CABLE DOES NOT CONTACT THE LEFT SKIN WHERE IT EXITS THE AIRCRAFT.

6. PRIOR TO INSTALLING THE ROLL SERVO, ADJUST THE CLUTCH TORQUE AND DETERMINE PROPER DIRECTION OF CAPSTAN ROTATION IN ACCORDANCE WITH INSTALLATION BULLETIN INSTRUCTIONS.
7. AFTER INSTALLATION IS COMPLETE, OPERATE ALERON CONTROLS THROUGH FULL TRAVEL AND DETERMINE THAT NO BINDING OR RESTRICTIONS TO TRAVEL EXISTS AS A RESULT OF THIS SERVO INSTALLATION.
8. REFER TO PARTS LIST SECTION OF INSTALLATION BULLETIN FOR ROLL SERVO PART NO. LISTED.
9. SERVO PART NO. LISTED REQUIRES (ITEM 6) BRACKET TO BE (UN)MOUNTED AT THIS TIME.
10. MAINTAIN A MIN. OF 1/8" DISTANCE BETWEEN DRILLING AND ATTACHING HOLES IN INDIVIDUAL PARTS OF STRUCTURE.



REV	DESCRIPTION	DATE	APPROVED BY
1	31-188-4-2/50	1/21/50	AMC/0531
2	31-010	10/1/50	7/1/50
3	31-009	11-05-50	5/1/50
4	31-007	5/1/51	DKJ
5	31-02	10-10-51	DKJ
6	31-101	1-13-52	DKJ
7	31-101	2-5-54	DKJ

QTY	ITEM	AMP NUMBER	DESCRIPTION
1	6	6122	CLAMP, BRIDLE CABLE
1	15	4117	ROLLER
1	14	4116	BUSHING
1	13	1108C832-24A	SCREW, AN525-832R24
1	12	6120	CABLE CUSHION, MS2191W08
1	11	7002-1	CABLE ASSY, BRIDLE
1	10	6121	CLAMP, BRIDLE CABLE
7	9	1406C032A	NUT, AN365-1032
7	8	1201C8-031A	WASHER, AN960-8
6	7	1108C832-7A	SCREW, AN525-832R7
1	6	6004	BRACKET
4	5	1406C032A	NUT, AN365-1032
9	4	1201C10-063A	WASHER, AN960-10
1	2	6002	BRACKET
1	1	SEE NOTE 8	SERVO ASSY

LIST OF MATERIALS

S-TEC CORPORATION
 FT. WOLTERS, TX

DRAWING NO. **7603**

DATE **D**

SHEET **3**