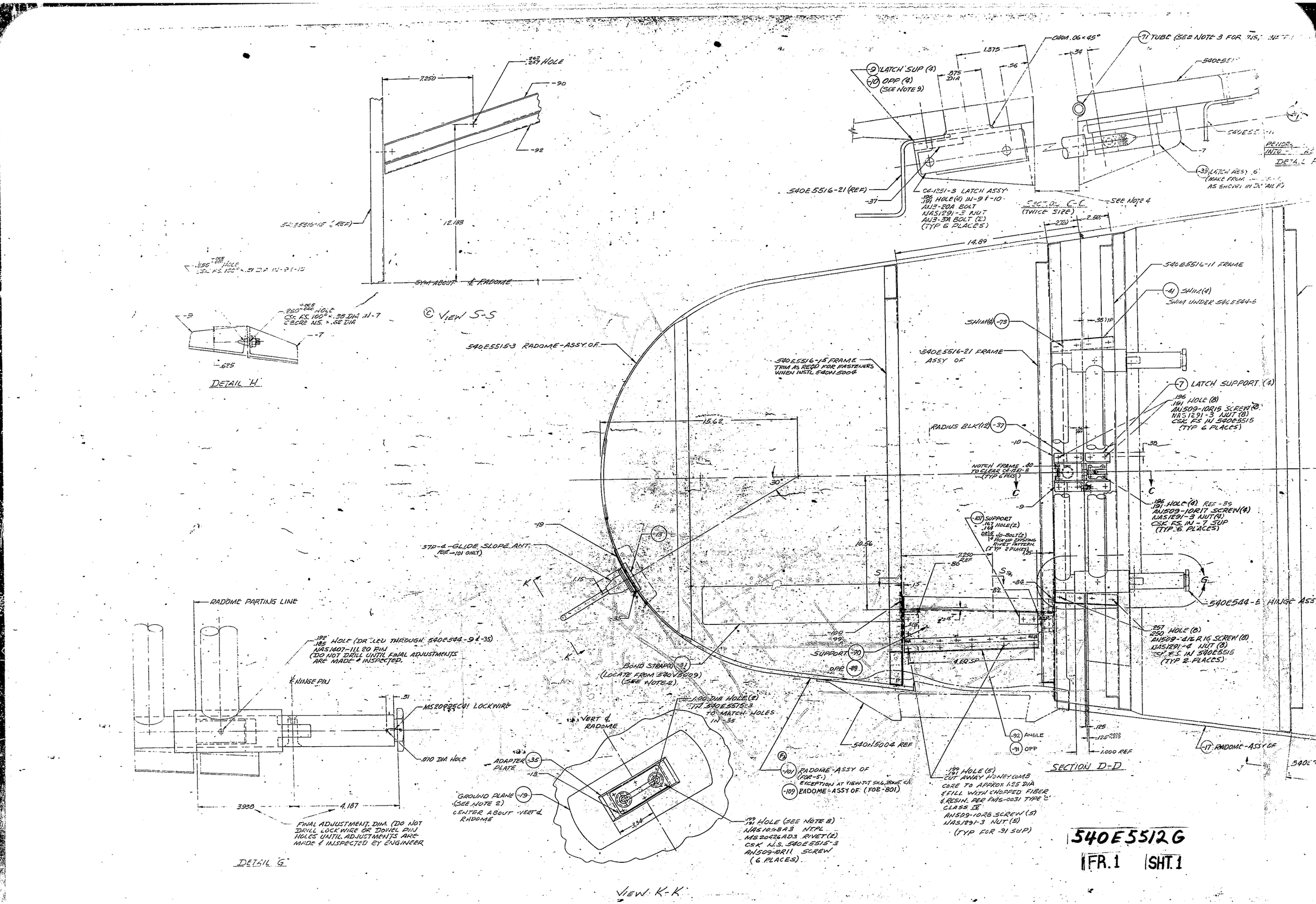
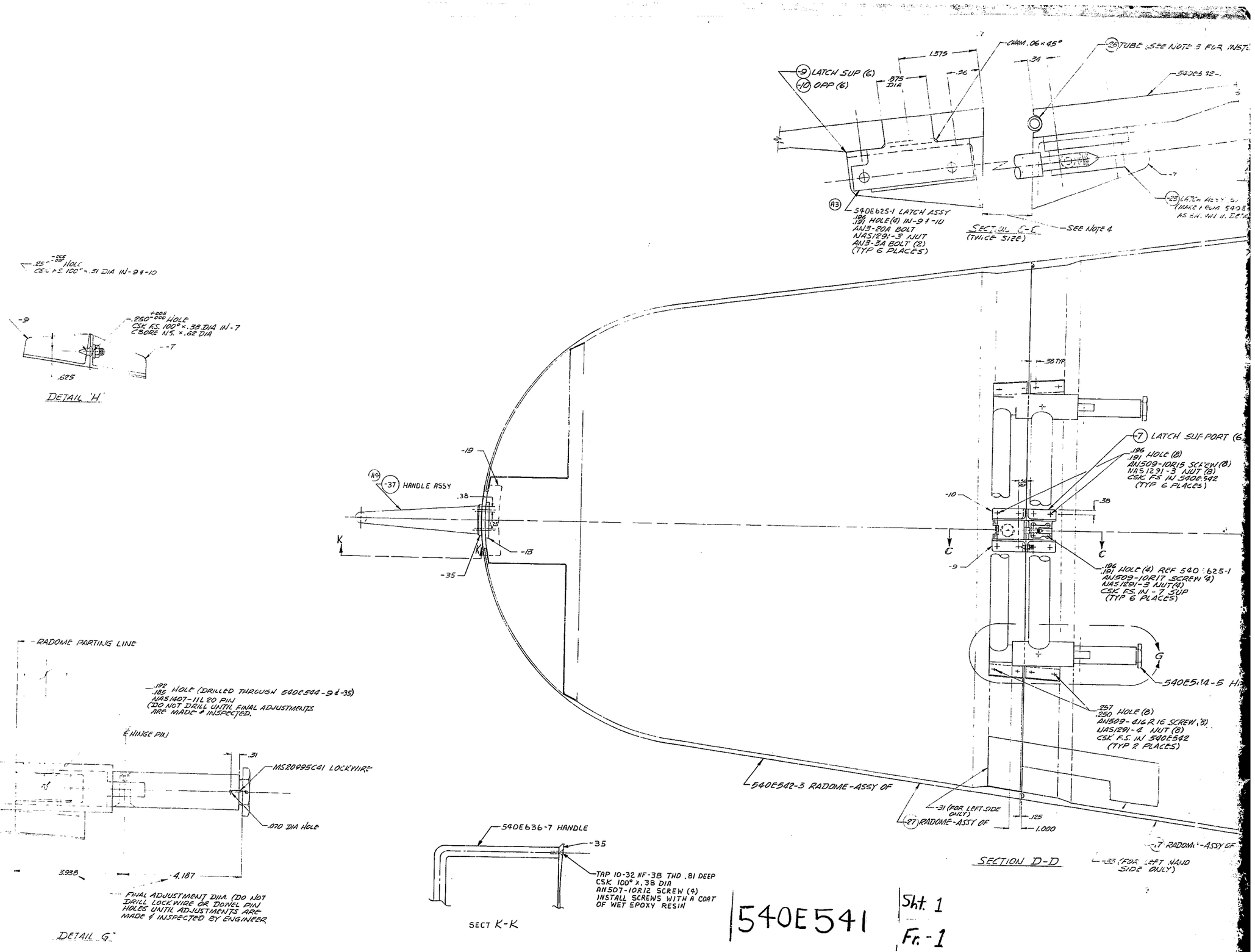
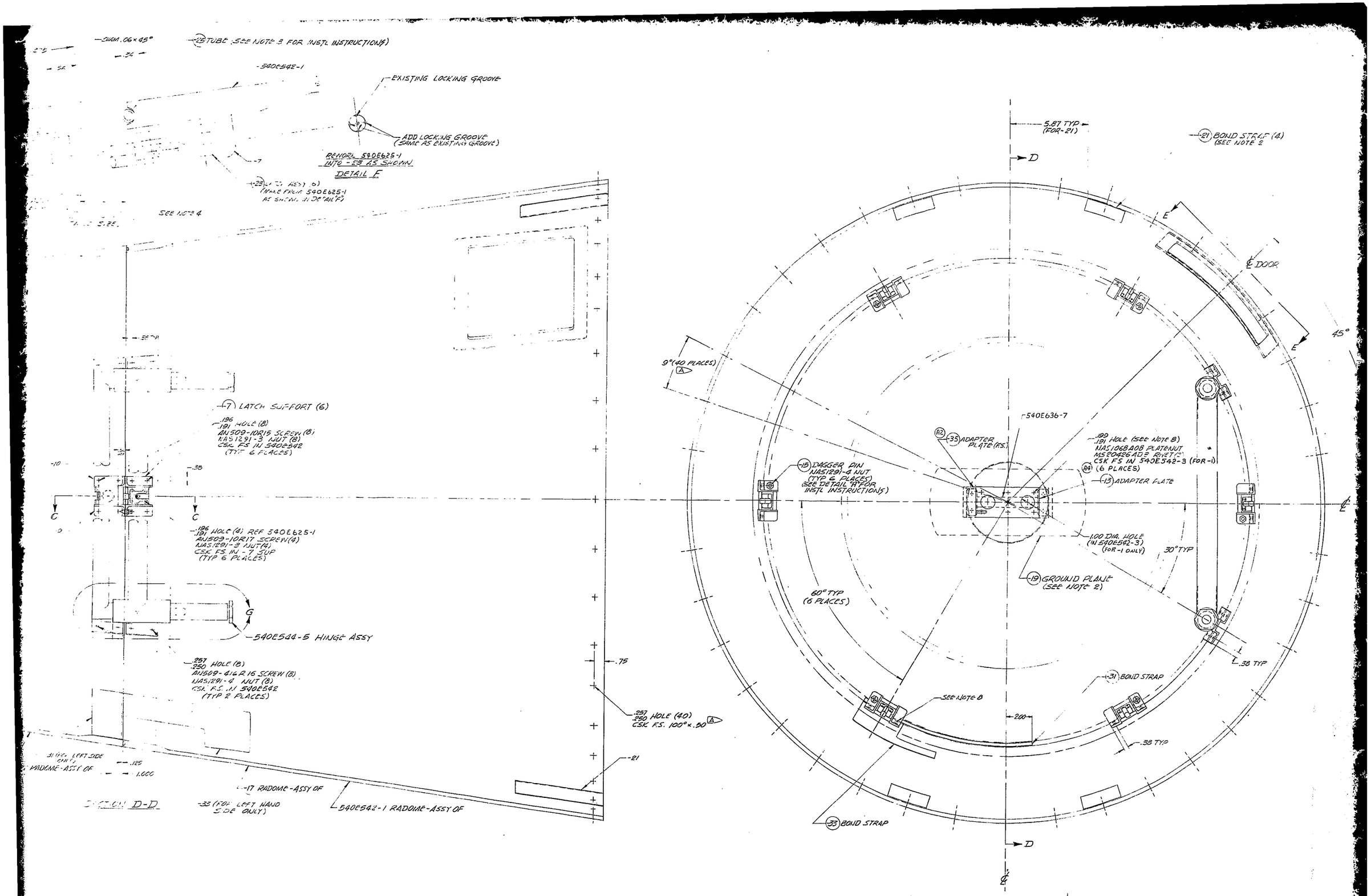

VIEW S-S
DETAIL 'H'
DETAIL 'G'
VIEW K-K
SECTION D-D
DETAIL 'L'
540E5515-3 RADOME-ASSY OF
540E5516-15 FRAME
540E5516-21 FRAME ASSY OF
540E5516-11 FRAME
540E544-5 HINGE ASSY
RADOME PARTING LINE
SYM ABOUT ℄ RADOME
LATCH SUPPORT (4)
RADIUS BLK(12)
SUPPORT
OPP
BOND STRAP(2)
GLIDE SLOPE ANT
GROUND PLANE
ADAPTER PLATE
RADOME-ASSY OF
TUBE (SEE NOTE 3 FOR MTL)
LATCH ASSY
SHIM(4)
SHIM UNDER 540E544-5
ANGLE
FINAL ADJUSTMENT DIM. (DO NOT DRILL LOCKWIRE OR DOWEL PIN HOLES UNTIL ADJUSTMENTS ARE MADE & INSPECTED BY ENGINEER
540E5512G
FR.1
SHT.1



540E541

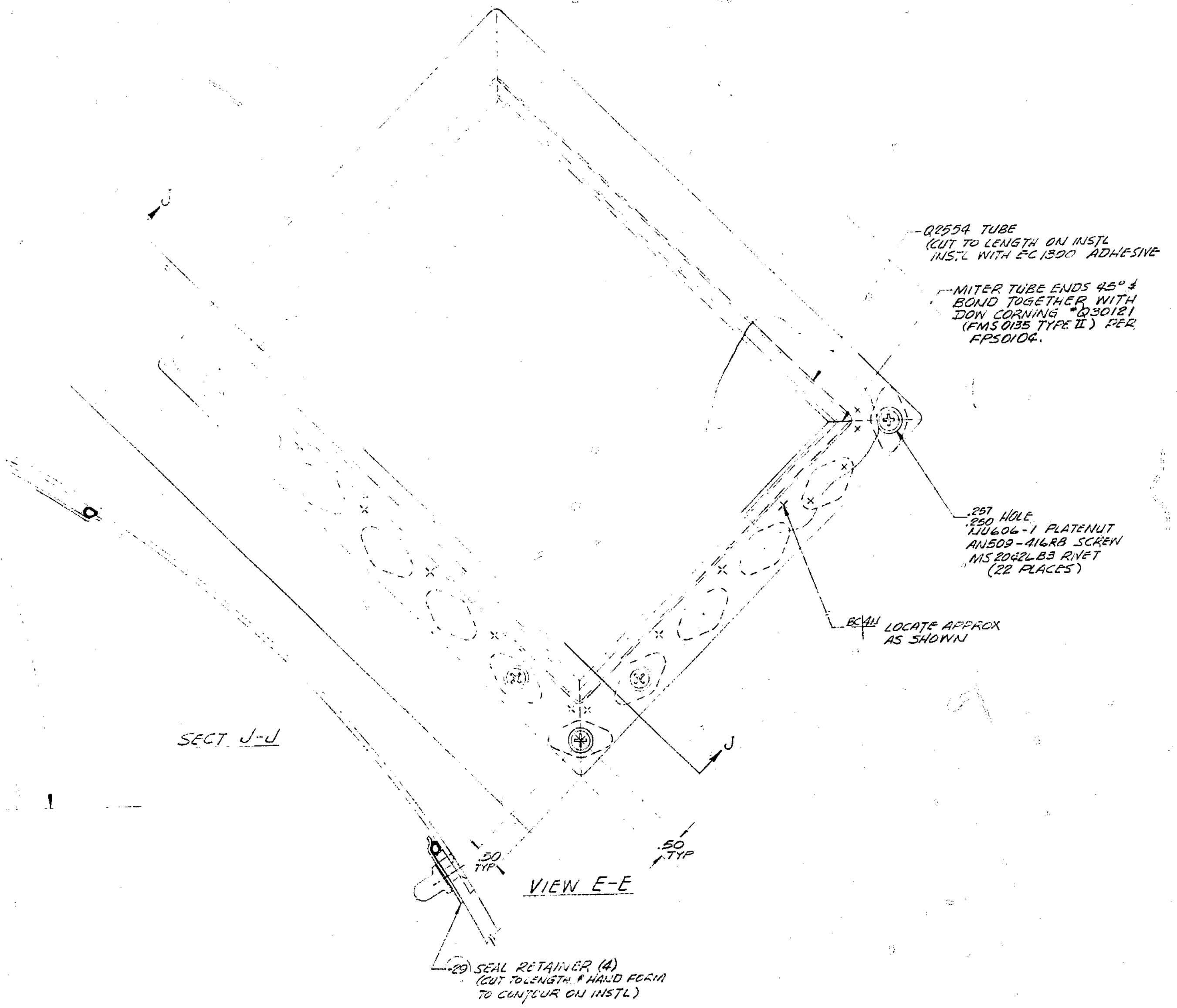
Sht. 1

Fr. -1



540E541 Sht. 1 Fr. -2

A CHG AFFECTS SH 1 & 2
A1 RELEASED FOR FIRST CHIP EFF.
A2 -35 REPL -11 IN -27.
INCORPORATED PER ED130801.
A3 540E625-1 (6) REPL C4-1251-3 (6).
INCORPORATED PER ED 118988.
A4 -3 REPL -1, SAME EXCEPT -5 REPL -27.
ADDED -37, AN507-10R12 (4), 540E636-7, &
-35 IN -37 WAS IN -27.
INCORPORATED PER ED130841. 9-25-63



8. BOND PER FZE-071.
7. APPLY "ALODINE 1200" TO ALL ALUM PARTS.
6. -17 & -27 ARE REPLACEABLE ITEMS.
(A) 5. ALL HOLE PATTERN FLAGGED (A) ARE TO BE DRILLED BY TOOL NO. T00217.
4. -7, -9, & -10 SUPPORTS ARE NOT TO PROTRUDE PAST EDGE OF RADOME & EXTEND INSIDE A MAX. OF .015.
3. INSTL -25 TUBE WITH EC1300 ADHESIVE, APPLY A THIN SMOOTH COATING TO 1/3 OF TUBE, DO NOT USE EXCESSIVE AMT. MITRE EACH END APPROX 3.0 & JOIN TOGETHER WITH FMS0135 TYPE II ADHESIVE, PER FPS0104.
2. SECONDARY BOND -19 & -21 TO 540E542 RADOME WITH EPOXY RESIN.
1. SEAL ALL FASTENERS THROUGH OUTSIDE CONTOUR WITH FPS-0042 TYPE I.
NOTES:

-37 HANDLE ASSY
-35 ADAPTER PLATE 1/2 IN. x 3.0 x 7.0 7075-T6 QQ-A-283 (T6)
-33 BOND STRAP .005 x 7.0 x 10.0 ALUM FOIL 1100 MIL-A-148
-31 BOND STRAP .005 x 3.0 x 14.0 ALUM FOIL 1100 MIL-A-148
-29 SEAL RETAINER .050 x 2.0 x 13.0 6061-0 QQ-A-327 (TO)
-21 BOND STRAP .005 x 3.0 x 7.0 ALUM FOIL 1100 MIL-A-148
-19 GROUND PLANE .005 x 5.0 x 12.0 ALUM FOIL 1100 MIL-A-148
-15 DAGGER PIN 3/4 DIA x 1.0 CRES TYPE 303 MIL-S-7720 COMP 303 COND A
-13 ADAPTER PLATE .250 x 3.0 x 5.0 2024-T4 QQ-A-362 (T4)
-5 RADOME-ASSY OF, FWD

1 1 1 4 4 6 6 1

FMS0135 TYPE II ADHESIVE
MS20426B4 RIVET
MS20426B3 RIVET
MS20995C41 LOCKWIRE
1 1 NAS1407-11L20 PIN
6 6 NAS1068A03 PLATENUT
4 AN507-10R12 SCREW
22 AN509-416R8 SCREW
22 NU606-1 PLATENUT
Q2554 TUBE
1 1 540E544-5 HINGE-ASSY OF
1 1 540E542-3 RADOME-ASSY OF
1 540E542-1 RADOME-ASSY OF
1 540E636-7 HANDLE
6 6 -10 LATCH SUP .875 x 2.0 x 3.0 7075-T6 QQ-A-283 (T6)

540E541 A

540E541

Sht. 1 Fr.-4

			-5	-3	-37	-27	-17	-1	PART NO.	OPP DASH NO.	SHN DASH NO.	DESCRIPTION	STOCK SIZE	MATERIAL	MATL. SPECIFICATION	ZONE	CALC UNIT WT
				6				6			-9	LATCH SUP	.875 x 2.0 x 3.0	7075-T6	QQ-A-283 (T6)		
								1			-27	RADOME-ASSY OF, FWD					
							1				-25	TUBE	(MAKE FROM Q2554 x 63.0)				
				6				6			-23	LATCH ASSY	(MAKE FROM 540E625-1 AS SHOWN IN DETAIL 'F')				
				1				1			-17	RADOME-ASSY OF, AFT					
				6				6			-7	LATCH SUP	1 1/4 x 2.0 x 3.0	7075-T6	QQ-A-283 (T6)		

REQUIREMENTS PER ASSEMBLY

SEE NOTE 6 →
SEE NOTE 6 →

PART NO.	EFFECTIVE ON	NEXT ASSY	USED ON	NEXT ASSY	FINAL ASSY	CALC UNIT WT
-3	FIRST CHIP 1 [illegible]	540E543		1EA	1EA	80
-1	CALL 115-2	540E543	AFLC/SP	1	1	80
-1	CALL 115-1	540E543		1	1	80

APPLICATION — QTY REQD

RIVET CODE PER NAS 523
BASIC CODE
BB - MS20426AD
BJ - MS20470AD
BASIC CODE | DASH NO. FOR DIA
N - MANUFACTURED HEAD NEAR SIDE
F - MANUFACTURED HEAD FAR SIDE
DASH NO. FOR LENGTH
SEE NOTE
INSTALL RIVETS PER FZM-086

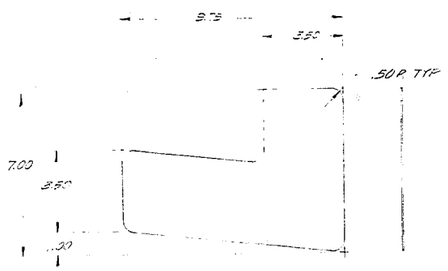
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES
LINEAR TOL .XX ± .03; .XXX ± .010
ANGULAR TOL ± 0°30'
125 ALL MACHINED SURFACES REF MIL-STD-10
GEN FINISH NOTED
HEAT TREAT

TOOLING / PROJ ENGR / GR GR ENGR / GR ENGR / WEIGHTS / STRESS / CHECK / DESIGN / DRAFT
GOVT TECH DSGN

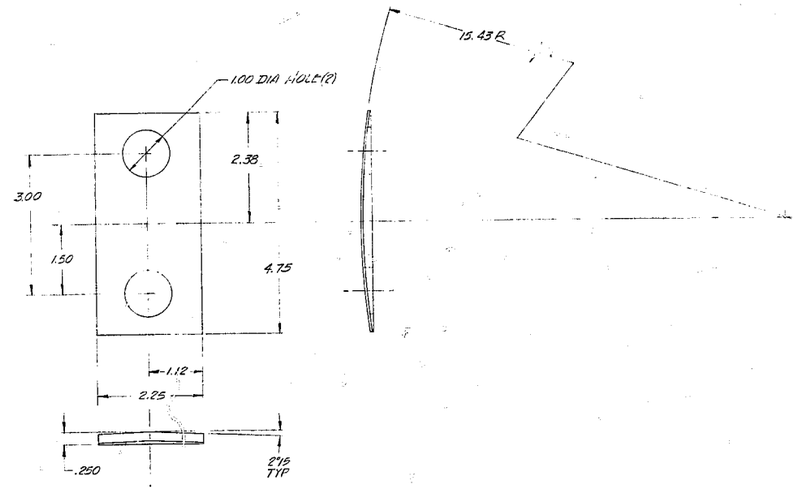
RADOME ASSY-NOSE

GENERAL DYNAMICS | FORT WORTH

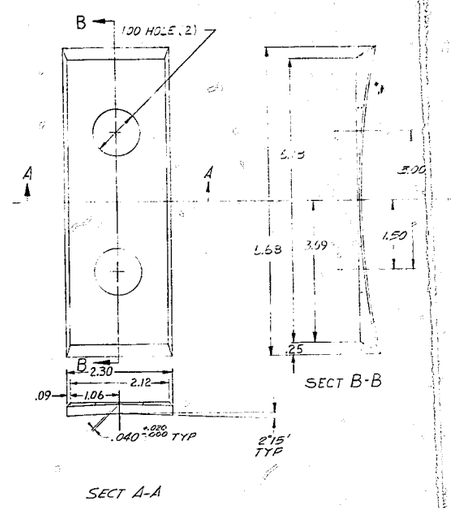
DWG J 540E541
SIZE CODE 81755 SH 1 OF 2
SCALE HALF & NOTED



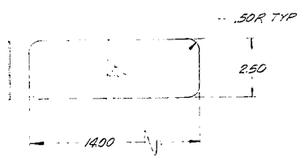
DETAIL -37 BOND STRAP



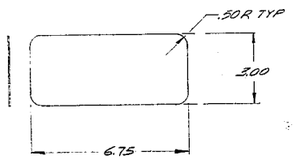
DETAIL -13 ADAPTER PLATE



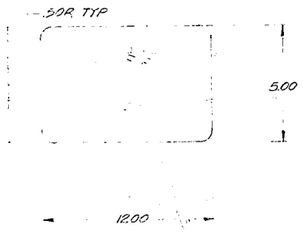
(12) DETAIL -35 ADAPTER PLATE



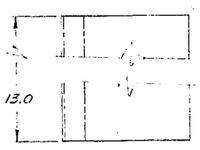
DETAIL -31 BOND STRAP

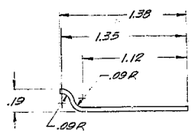


DETAIL -21 BOND STRAP

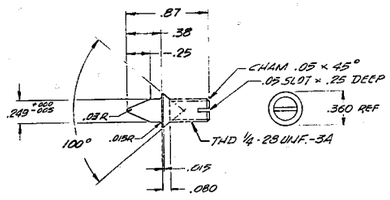


DETAIL -19 GROUND PLANE

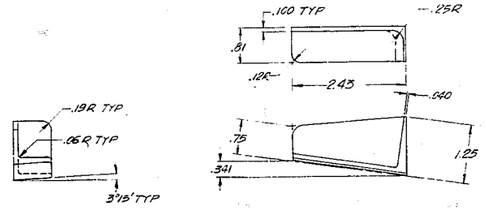


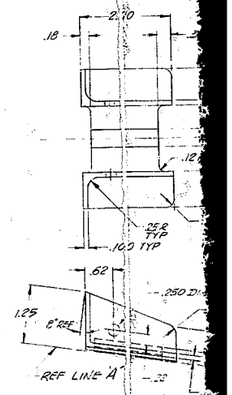


DETAIL -29 SEAL RETAINER



DETAIL -15 DAGGER PIN





DETAIL -9 LATCH SUPPORT
-10 OPP

540E541A

Sht. 2 | Fr. -1