

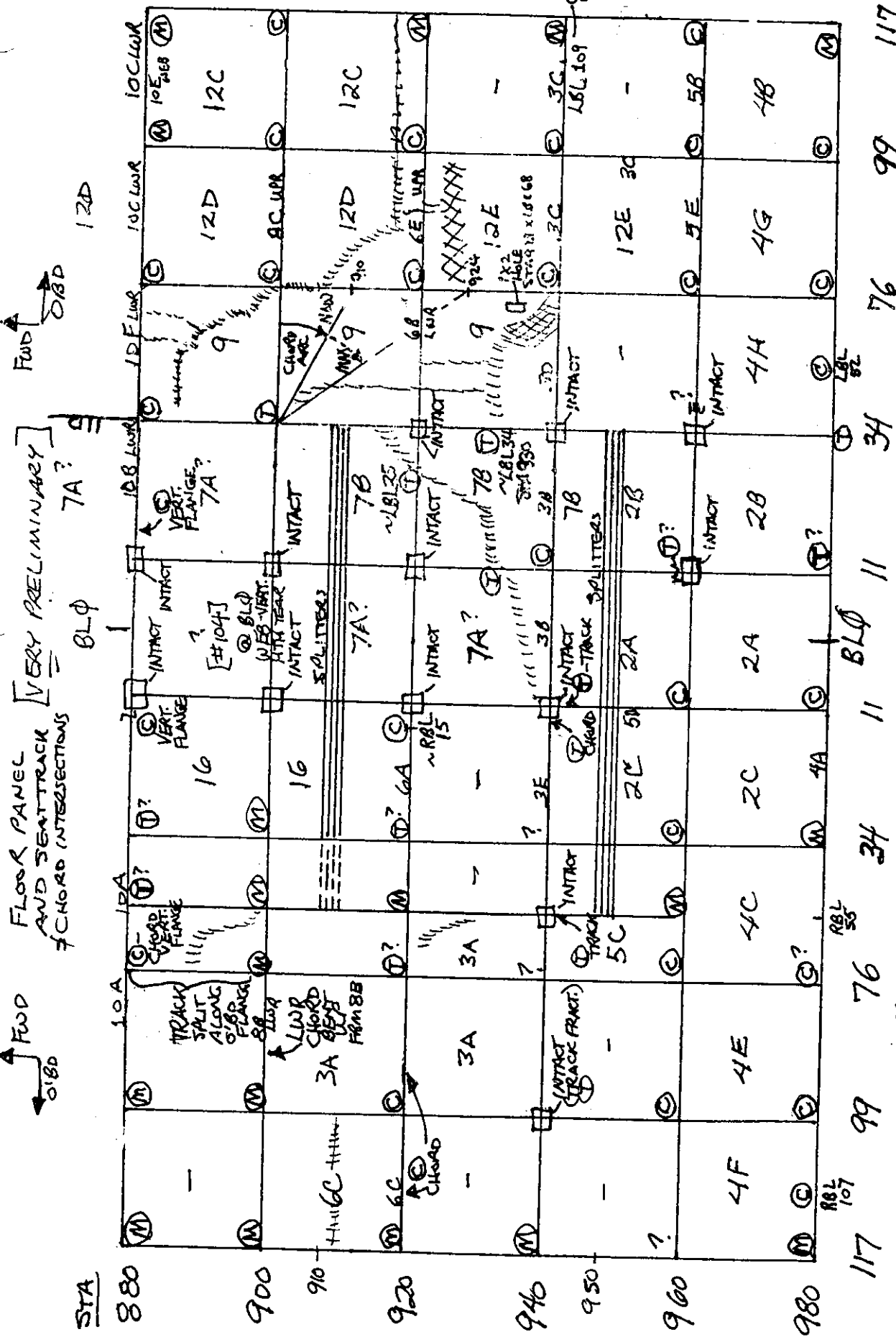
**FLOOR PANELS**

**RED ZONE**

NTSB

10-25-96  
J. TRZIL  
SURFACE:  
LOWER

C-COMPRESSION  
T-TENSION  
M-MUSTANG



FLOOR PANEL AND SEATTRACK CHORD INTERSECTIONS

FWD 0180

FWD 0180

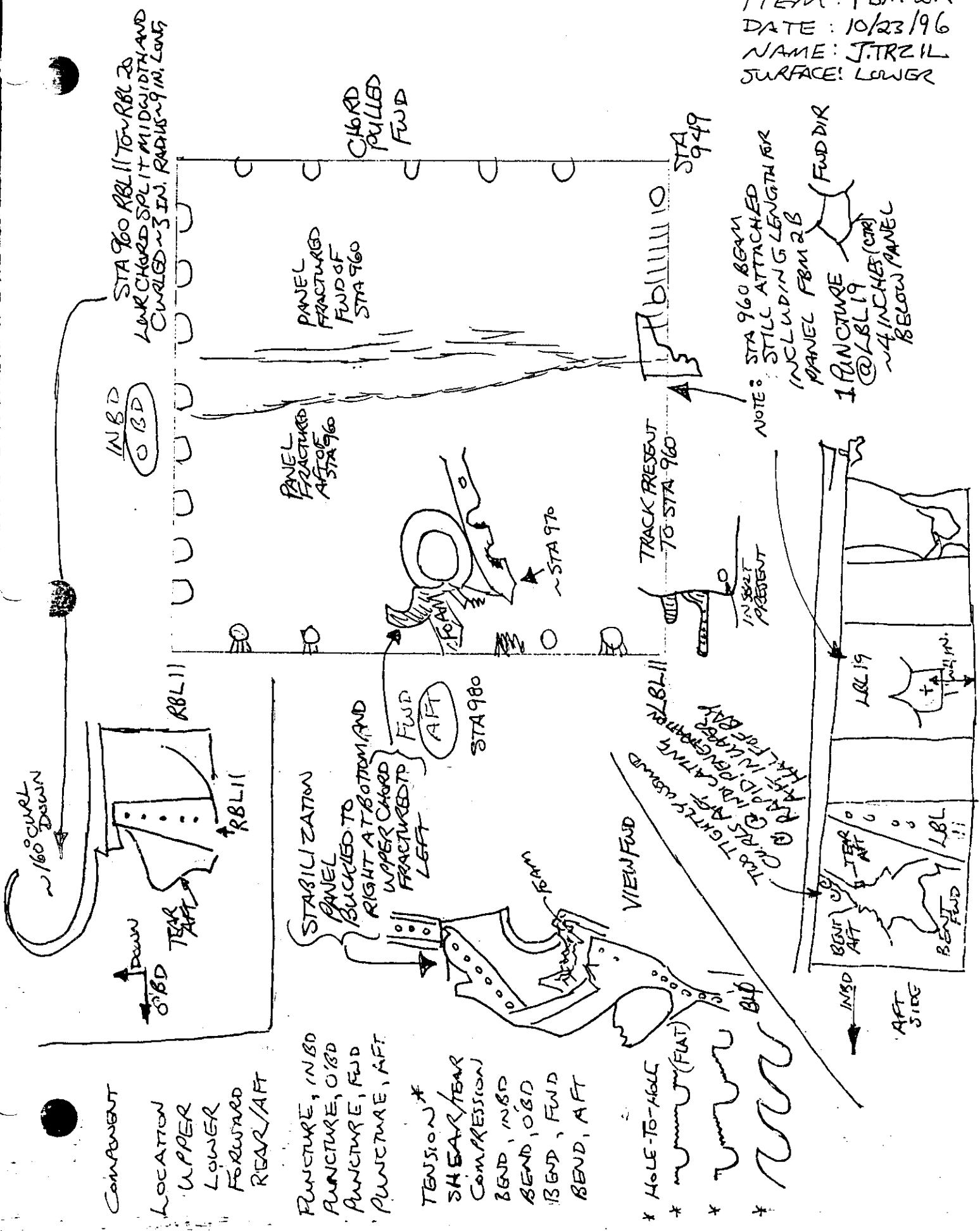
LBL

[VERY PRELIMINARY]

RBL

FYI 10/26  
FLOOR BEAMS ST 880-980  
RBL 117-120  
LOOKING AT BOTTOM OF PANELS AS LAID OUT ON FLOOR.  
ATTEMPT TO ASSES TRACK/CHORD INTERSECTION AS TENSION, OR COMPRESSION, RELATIVELY EASILY LOOK J. TRZIL

ITEM: FBM 2A  
 DATE: 10/23/96  
 NAME: J. TRZIL  
 SURFACE: LOWER

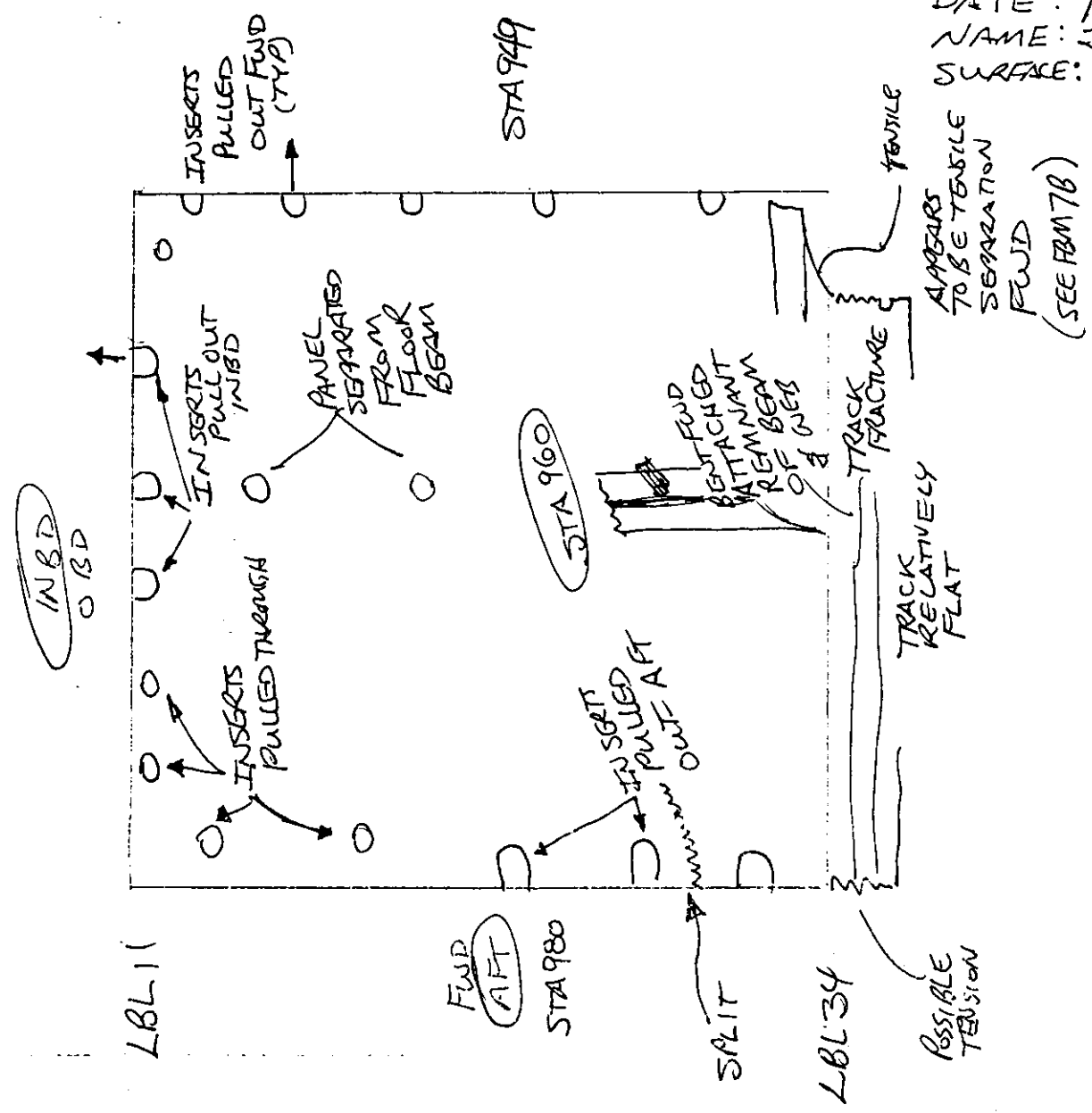


Component	Location
UPPER	UPPER
LOWER	LOWER
FORWARD	FORWARD
REAR/AFT	REAR/AFT

- FRACTURE, INBD
- FRACTURE, OBD
- FRACTURE, FWD
- FRACTURE, AFT
- TENSION\*
- SHOCK/TEAR
- COMPRESSION
- BEND, INBD
- BEND, OBD
- BEND, FWD
- BEND, AFT

- \* HOLE-TO-HOLE
- \* ...
- \* ...
- \* ...

ITEM: FBM 2B  
 DATE: 10-23-96  
 NAME: J. TRZIL  
 SURFACE: LOWER



COMMENT

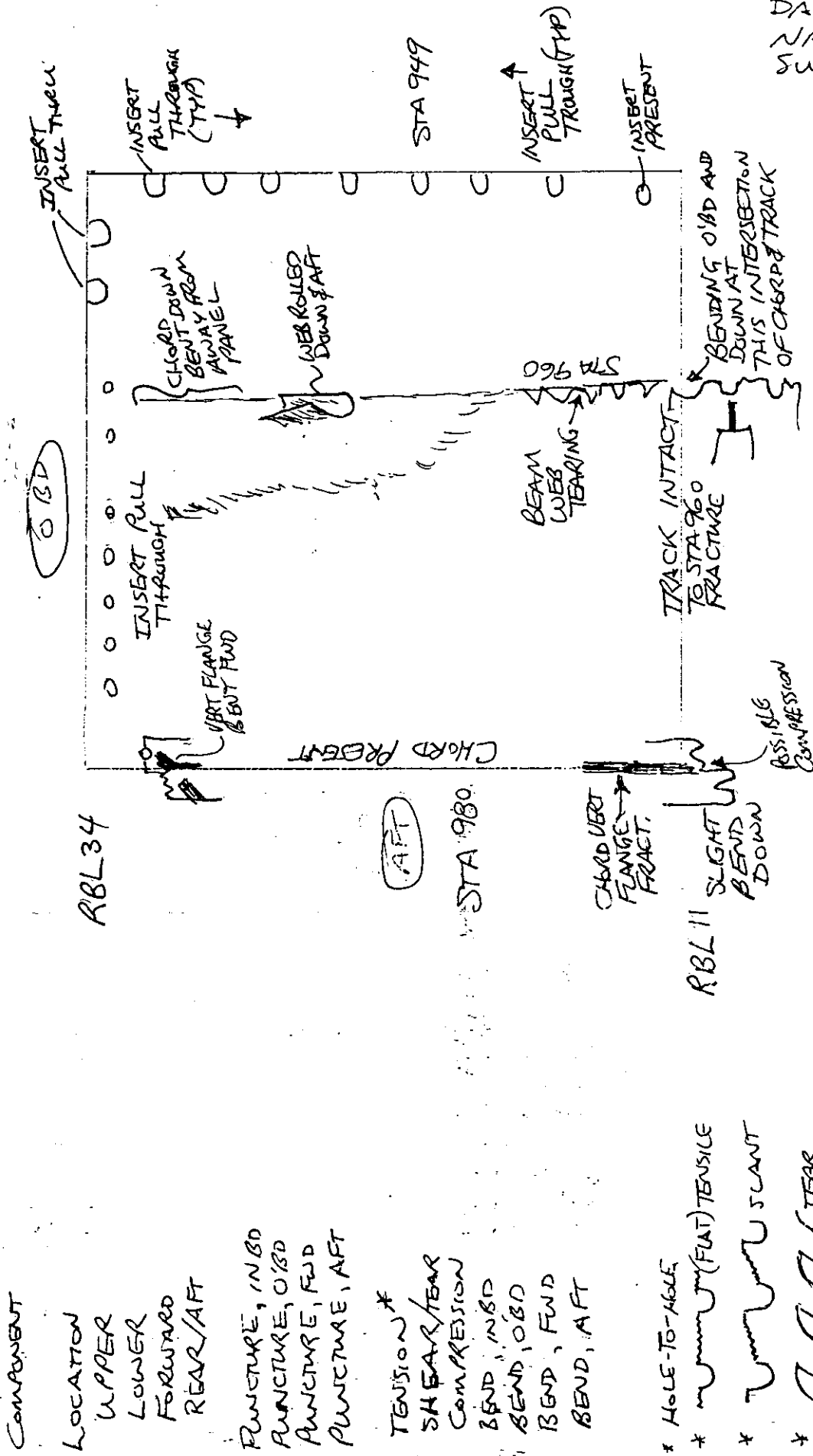
LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, OBD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, OBD  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE  
 \* (FLAT) TENSILE  
 \* SCANT  
 \* TEAR

ITEM: FBM2C  
 DATE: 10-23-96  
 NAME: J. TRZIL  
 SURFACE: LOWER



COMPONENT

LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, O'BD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O'BD  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-ANGLE

\* (FIAT) TENSILE

\* SLANT

\* TEAR

FBM-3C

10/19/96

10/19/96

J. TRZIL

STA 940 LBL 125 TO LBL 75.92 [PLUS UPPER CHORD

RED TAG A174

AND AFT/INBD ABOUT 30° AFT OF UPPER CHORD

BENT DOWNWARDS ABOUT 31 INCHES FROM 75.92 LBL TO ABOUT LBL 45; REMNANT SEAT TRACK AT LBL 75.92 UPR CHORD INTERSECTION FRACTURED INBD OF ATTACK FASTENERS O'BD FLANGE ALSO FRACTURED; LWR CHORD BENT DOWN SLIGHTLY AT LBL 69

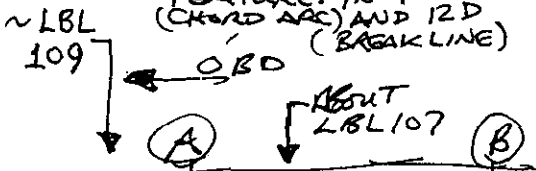
INBD TO O'BD SEPARATION THROUGH FRAME WEB FASTENER HOLES AT STGR 25L [FLOOR AT 26L]

STGR CLIP AT STGR 26L INDICATES BEARING SEPARATION THROUGH FASTENER ATTACK HOLES

SHEAR TIE BELOW STGR 25L INDICATE SKIN SEPARATION IN TENSILE MODE - FASTENERS PROTRUDING FROM SHEAR TIE MINUS O'BD HEADS & SHEAR TIE BENT AND WITH FASTENER O'BD BUSHINGS HEADS FACING FWD. [APPARENTLY DEFORMED AFTER SKIN-FRAME SEPARATION]

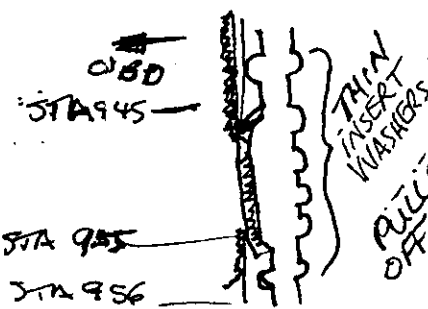
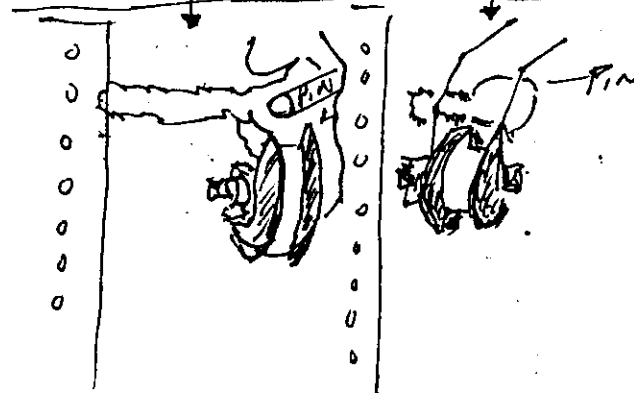
J. TRZIL 1/22/97

NOTE: ALIGNMENT OF CABLE SLOT RELATIVE TO FEATURE IN 9 (CHORD AFT) AND 12D (BREAKLINE)



(A) FAIRLY HORIZONTAL SLIT ABOUT 1 5/8 INCH - 1 3/4 INCH BELOW UPR CHORD AT ABOUT 2-3 O'CLOCK FROM CABLE HOLE

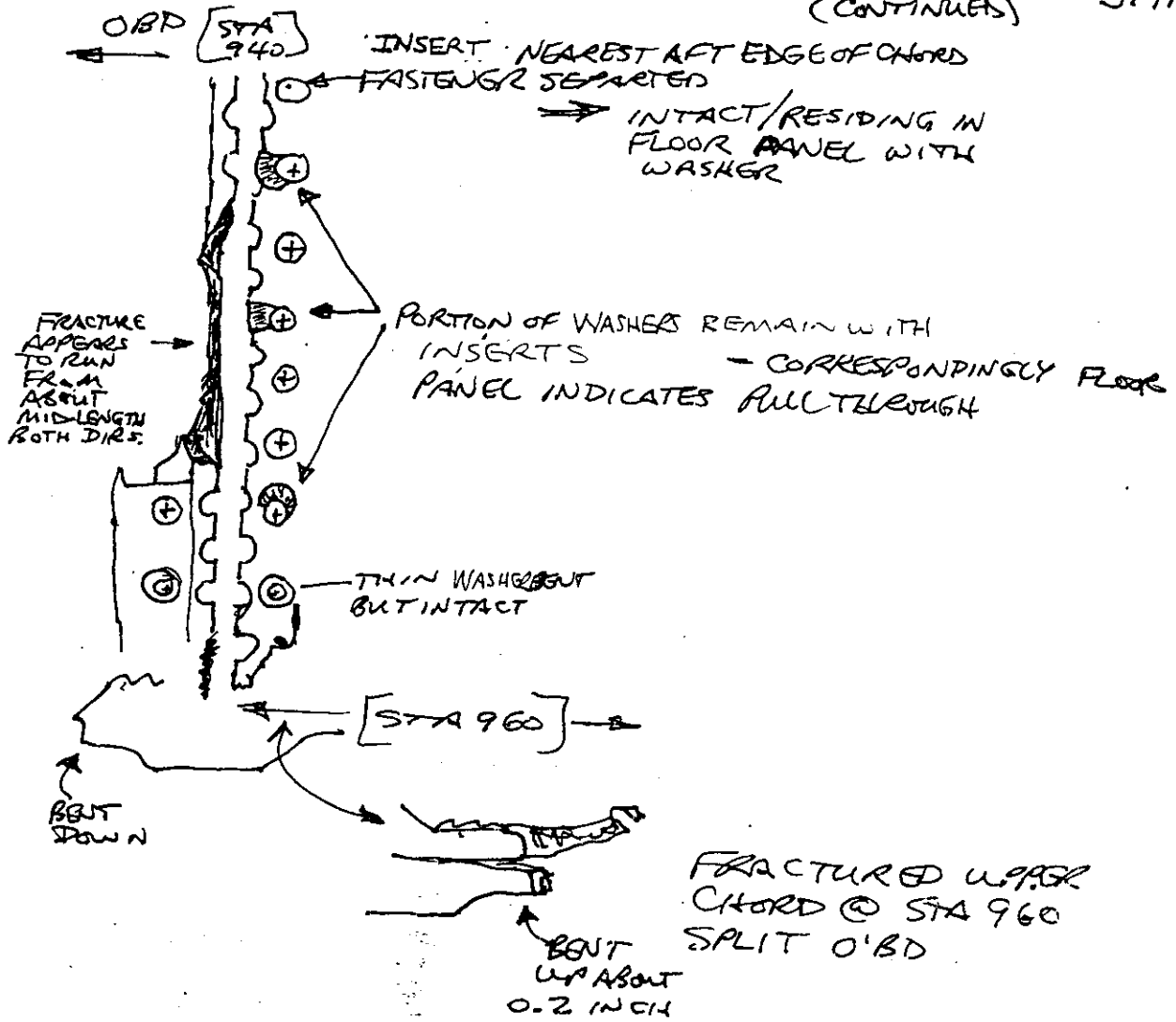
SLIT FLOOR BEAM WEB AT ABOUT LBL 107 FROM CASLE ASSOCIATED WITH PULLEY (O'BD OF TWO PULLEYS) SLIT RUNS O'BD FROM PULLEY ABOUT 3 INCHES TO STIFFENER. SIMILAR SLIT FROM ADJACENT INBD PULLEY RUNS ABOUT 3/4 INCH O'BD WITH SLIGHT UPWARD ORIENTATION. O'BD PULLEY STILL ORIENTED MORE OR LESS FWD & AFT BUT SUPPORT SHEET METAL BKT DEFORMED & BROKEN AT O'BD HOLE FOR PIN ABOVE PULLEY. INBD PULLEY BENT O'BD AT ABOUT 30-45°. O'BD STIFFENER APPEARS TO HAVE IMPEDED O'BD MOTION OF PULLEY. BRKT (UPPER PORTION) APPEARS BENT AFT/OBD AT ABOUT 45°

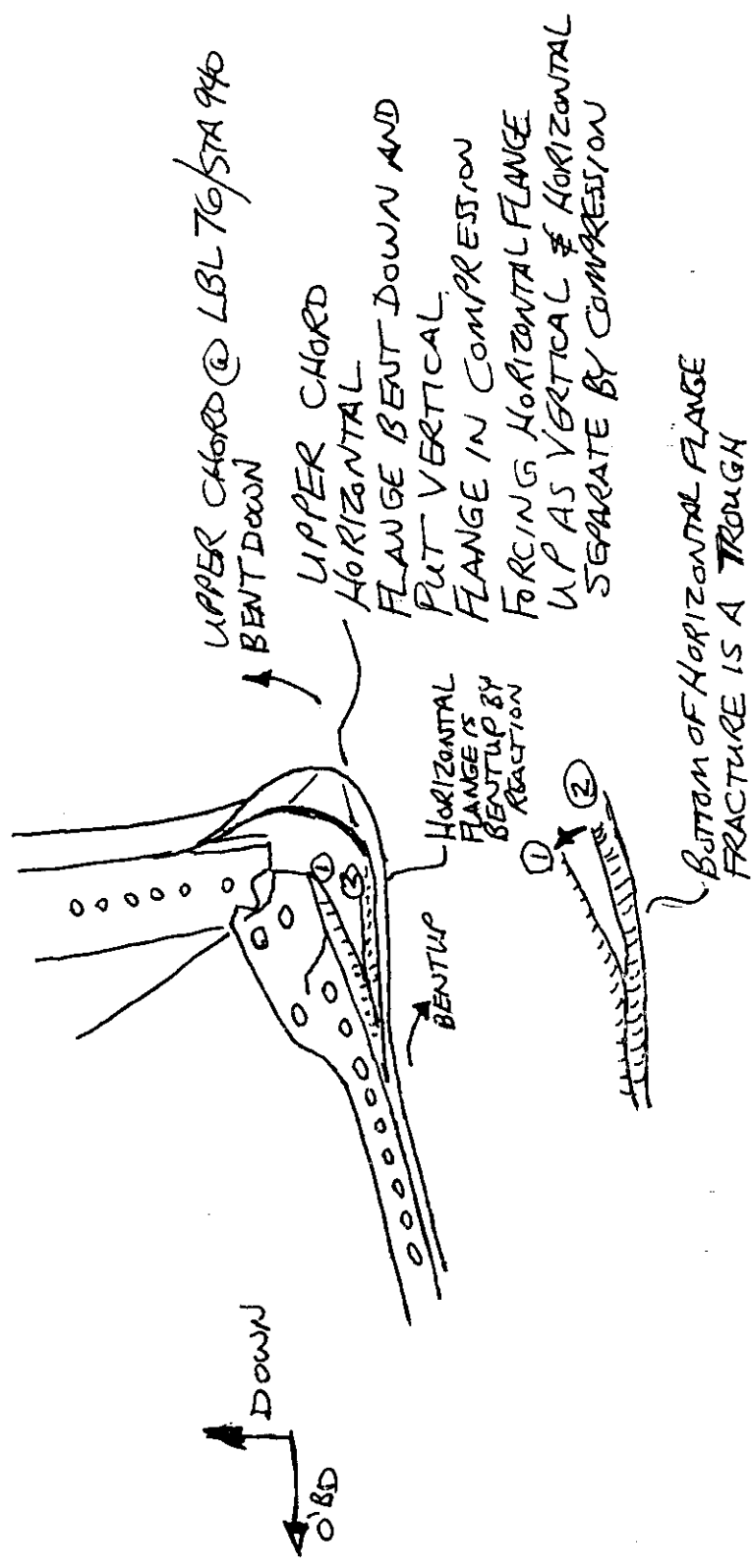


O'BD FLANGE OF SEAT TRACK AT LBL 99 FRACTURED FROM INSERT AT ABOUT STA 956 FWD TO FLOOR BEAM CHORD FWD EDGE. FROM STA 945 TO STA 955 FRACTURED O'BD FLANGE INCLUDED FRACTURE TO SEAT TRACK RAIL OBD ID/FILLET LEFT SIDE.

FBM-3C  
RED TAG A174  
(CONTINUED)

10-19-96  
J. TRCIL



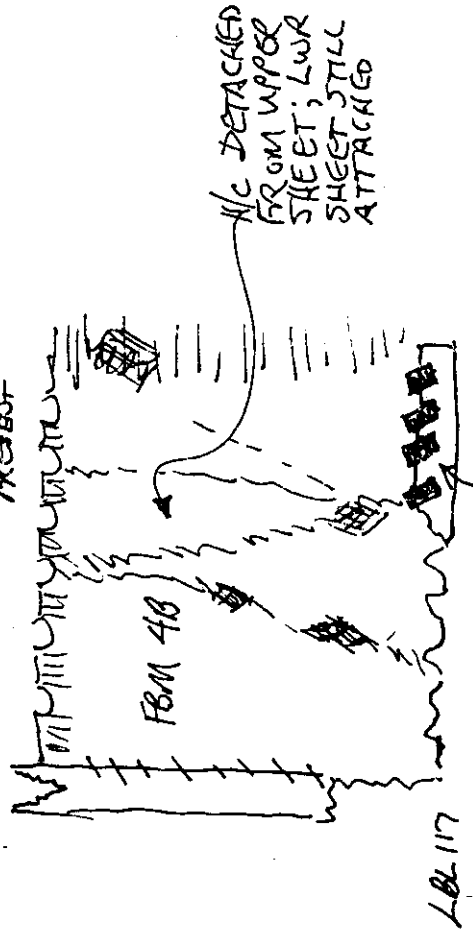
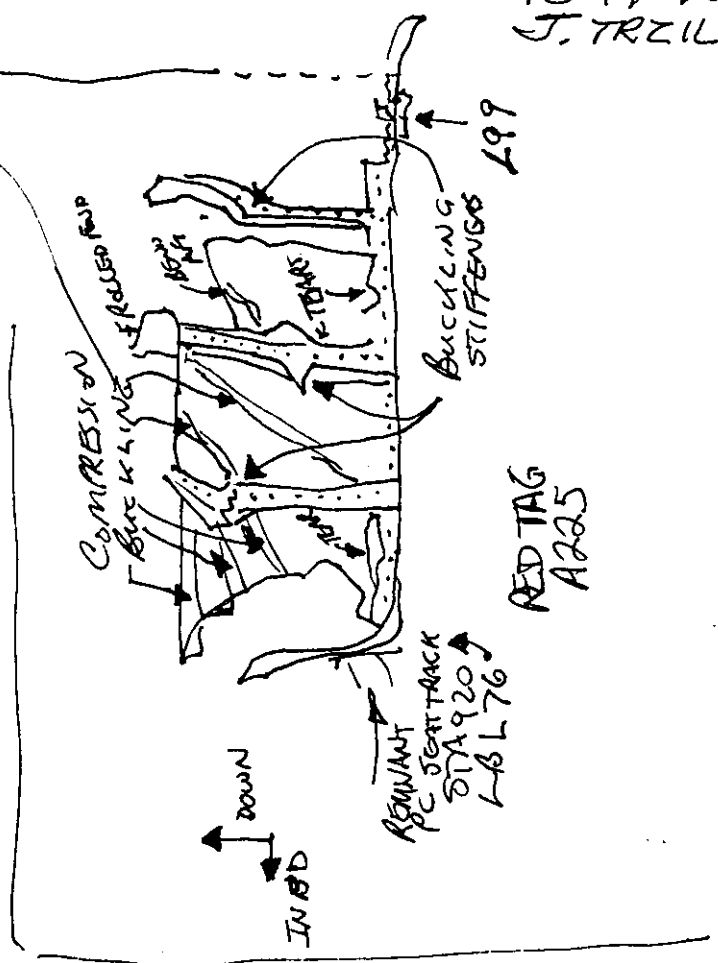
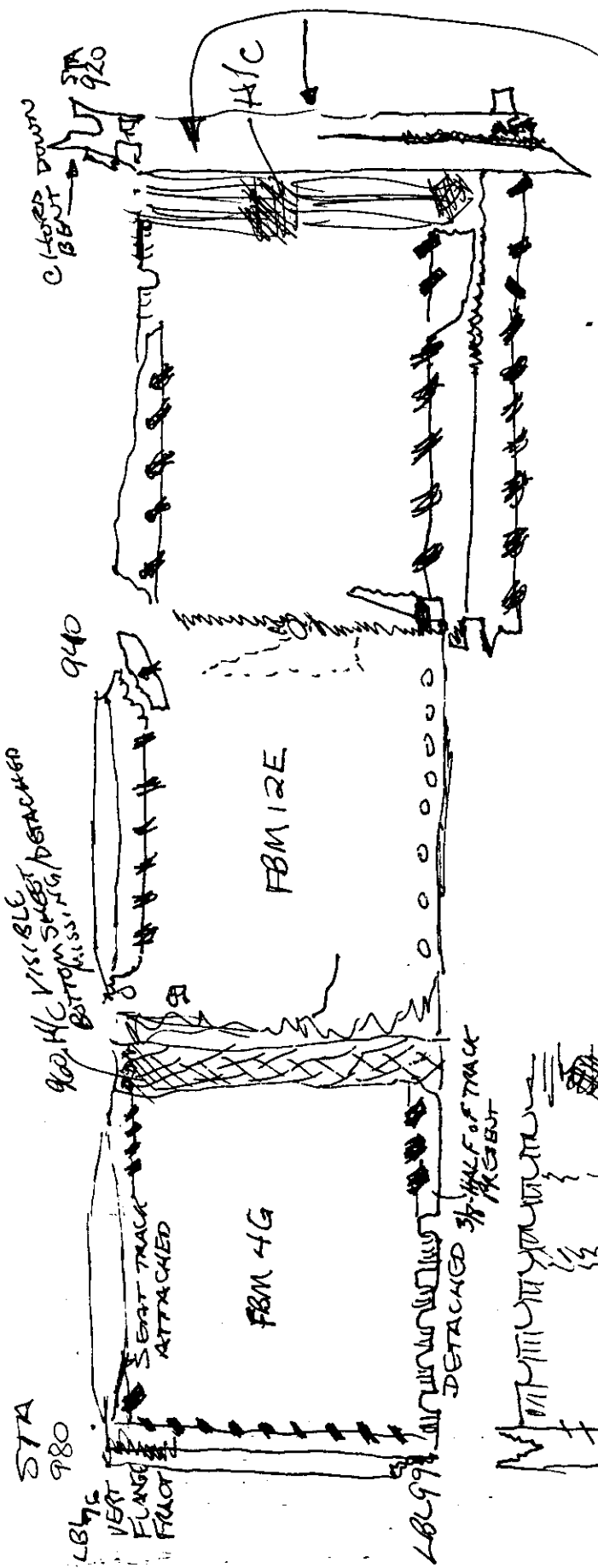


A TEE CHORD FRACTURED BY BENDING DOWN  
 CAUSING COMPRESSION OF THE VERTICAL FLANGE  
 WILL CREATE A TROUGH FRACTURE LIKE ② IN  
 THE HORIZONTAL FLANGE.  
 THE HORIZONTAL FLANGE WILL HAVE A BEND UNWINDS.



10/11/97 HW  
10-19-96  
J. TRZIL

# FLOOR PANELS — LOOKING UP



STA 980  
LBL 96  
VERT FLANGE FLUCT

902 H/C VISIBLE  
BOTTOM SHEET DETACHED

940

920

C-LOSER DOWN  
BEAM

FBM 4G

FBM 12E

DETTACHED 3/4 HALF OF TRACK  
PRESENT

FBM 4B

H/C DETACHED  
FROM UPPER  
SHEET; LWR  
SHEET STILL  
ATTACHED

ABOUT HALF  
OF TRACK  
PRESENT

DOWN  
IN RD

REMNANT  
PC DETTACK  
STA 920  
LBL 76

RED TAG  
A225

L99

COMPRESSION  
BAR W/ LINE

BUCKLING  
STIFFENGS

Dennis Decker IAM  
11/23/96

10/19/96  
JAM

10-19-96

J. TREIL

J. Treil FAA  
10.24.96

FLOOR BEAM STA 980

FRACTURE DOWN <sup>WARDS</sup> @ LBL 99 & @ LBL 76  
FB4B FBM4G

*[Signature]*  
11/8/96  
JAM

SEAT TRACK FRACTURED INBD SIDE FROM  
STA 940 TO ~STA 925, MISSING TO ~STA 910,  
FRACTURED INBD SIDE TO 900, INTACT TO ABOUT  
STA 890, ABOUT 2-3 INCH PC MISSING AT  
STA 890.

STA 960, 940, 920, 900, 880  
FLOOR BEAM CHORDS SEPARATED FROM FLOOR.  
PORTION OF FLOOR BEAM CHORD IS ATTACHED AT  
STA 860, MISSING AT STA 840 AND LOOSELY  
ATTACHED AT LBL 76 AT STA 820  
MOST OF UPPER CHORD IS ATTACHED AT  
STA 800 FROM LBL 76 TO ABOUT LBL 97

10/11/96  
HJM

Dennis Hartung  
IAM 10-23-96

10-20-96  
J. TRZIL  
Yorkville FAA  
10-24-96

FBM 4BE APPEARS TO HAVE BEEN BENT UPWARDS  
ALONG ~~THE~~ MIDSPAN ABOUT STA 970 *[Signature]*  
11-8-96  
AUST

FBM 4G APPEARS TO HAVE LIFTED <sup>UP AND</sup> ~~APT~~ FROM PIVOT LINE  
AT STA 960




FBM 1ZE APPEARS TO HAVE ROTATED UP & FWD  
FROM PIVOT LINE AT STA 960

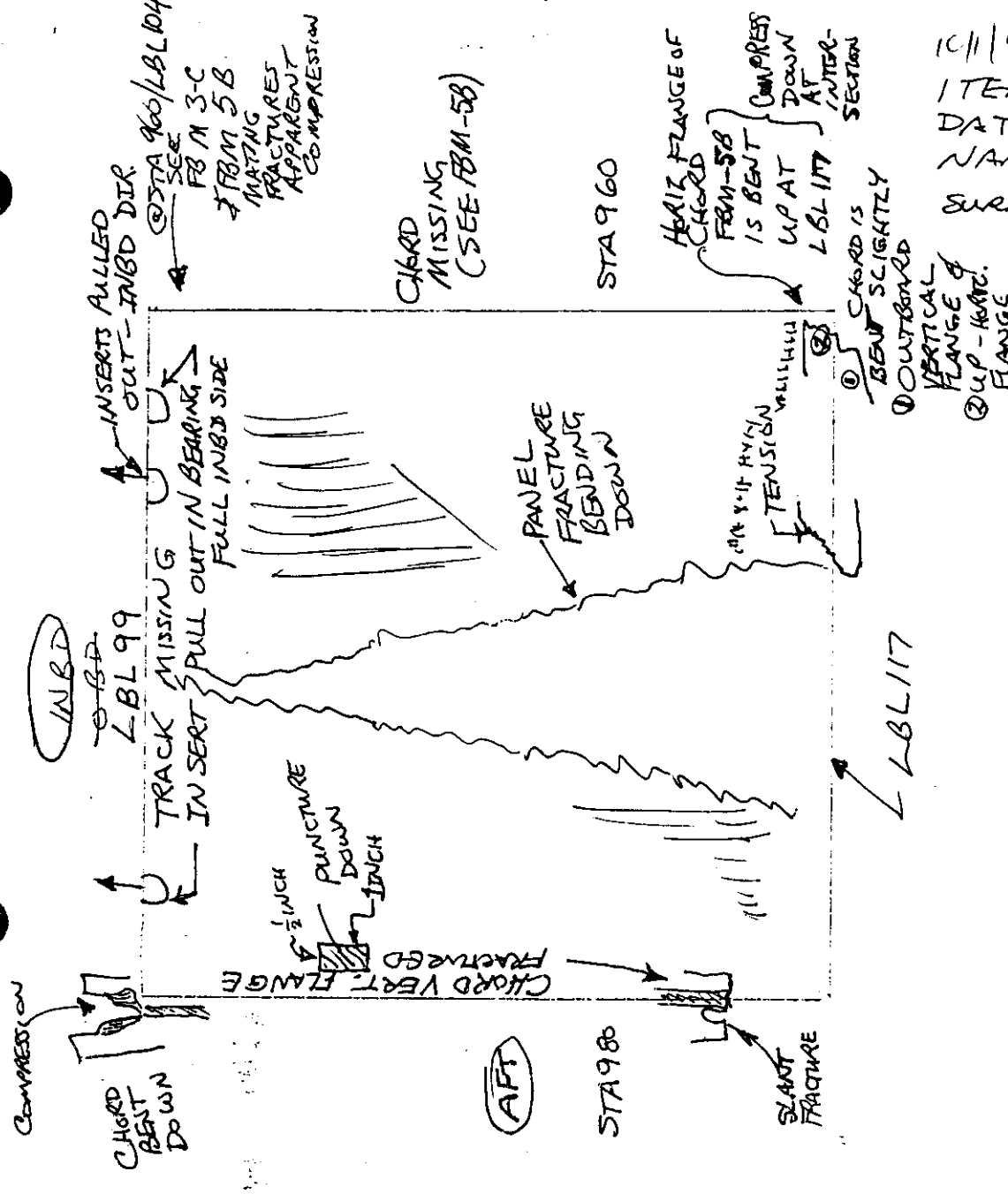
COMPONENT

LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

FRACTURE, INBD  
 PUNCTURE, O'BD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O'BD  
 BEND, FWD  
 BEND, AFT

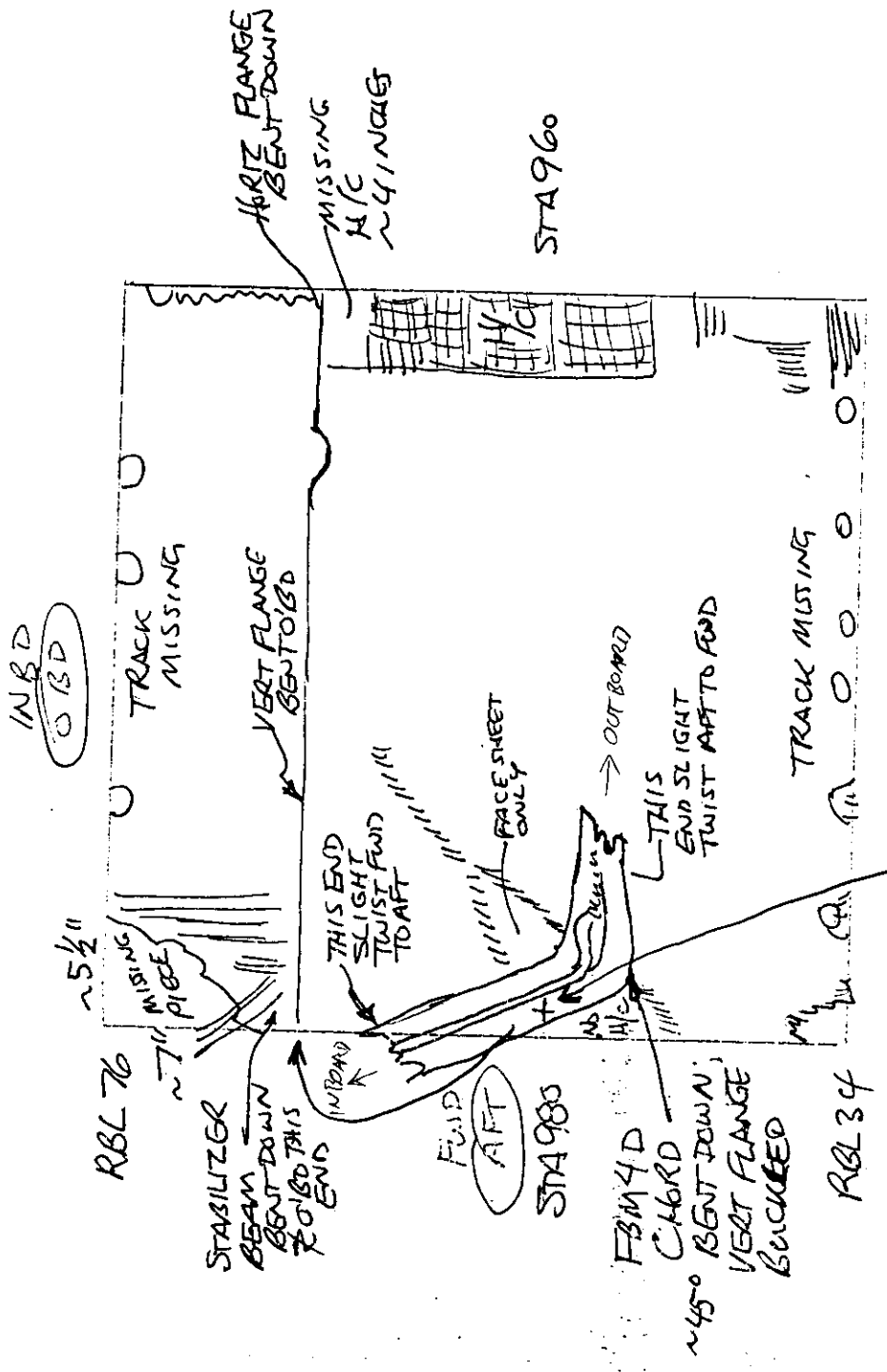
\* HOLE-TO-ANGLE  
 \*  (FUT) TENSILE  
 \*  SLANT  
 \*  TEAR



10/11/97 HVI  
 ITEM: FBM 4B  
 DATE: 10/23/96  
 NAME: J. TRZIL  
 SURFACE: LOWER

10/23/96 JTR

ITEM: FBM 4C  
 DATE: 10/23/96  
 NAME: JTRZIL  
 SURFACE: UPPER  
 LOWER



THIS PIECE OF UPPER CHORD IS MISLOCATED. THIS FASTENER HERE SHOULD MATCH WITH THE AFT END OF THE STABILIZER BEAM  
 G.F.L.E.S  
 10/24

COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

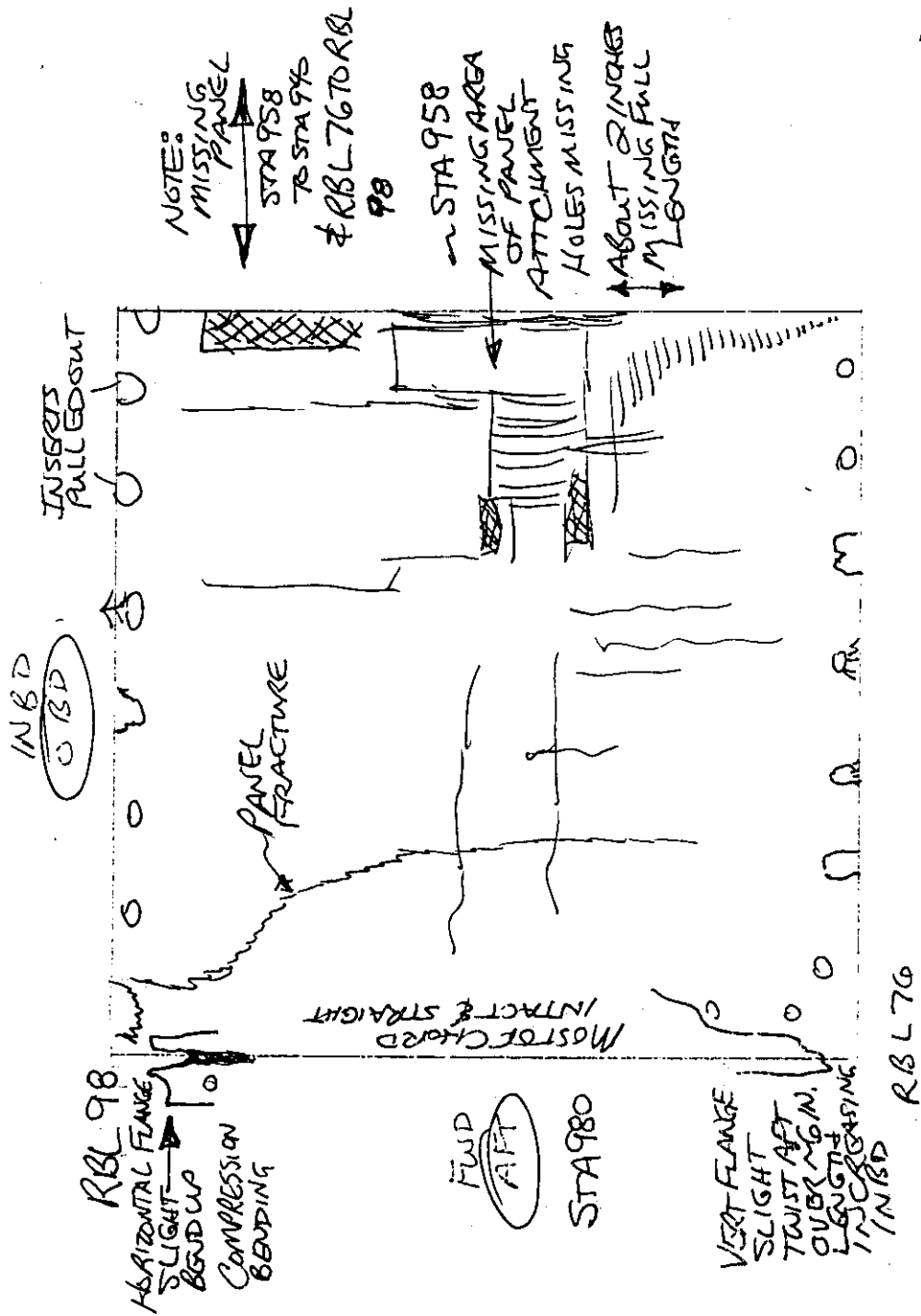
PUNCTURE, INBD  
 PUNCTURE, O/B D  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION \*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O/B D  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE  
 \* (FLAT) TENSILE  
 \* SLANT  
 \* TEAR

14111413

ITEM: FBM 4E  
 DATE: 10-23-96  
 NAME: J. TRZIL  
 SURFACE: UPPER  
 LOWER



COMPONENT

LOCATION  
 UPPER  
 LOWER

FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, OBD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*

SHEAR/TEAR

COMPRESSION

BEND, INBD

BEND, OBD

BEND, FWD

BEND, AFT

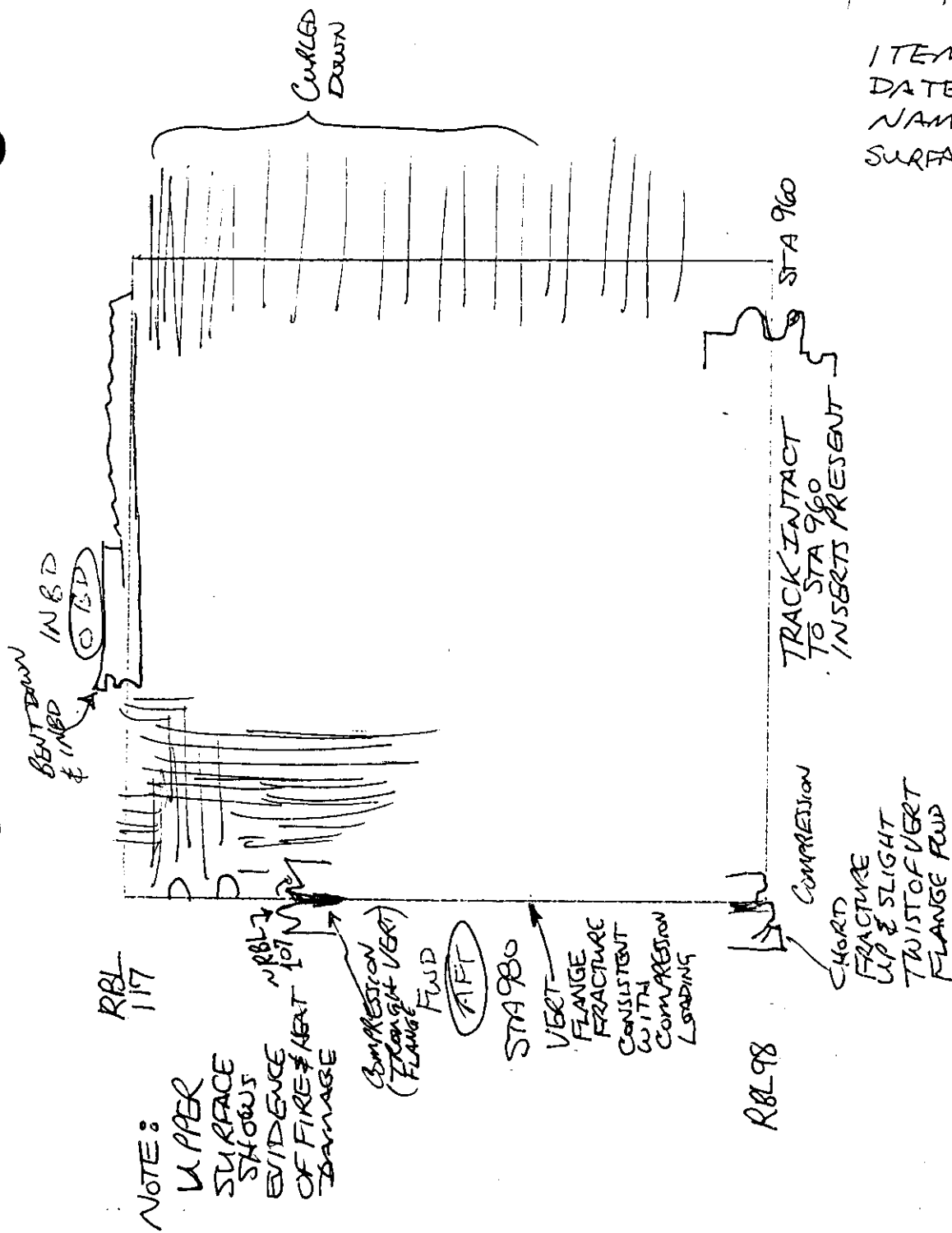
\* HOLE-TO-HOLE

\* (FLAT) TENSILE

\* SLANT

\* TEAR

ITEM: FBM 4F  
 DATE: 10/23/96  
 NAME: J. TRZIL  
 SURFACE: UPPER  
 LOWER



NOTE:

UPPER SURFACE SHOWS EVIDENCE OF FIRE & HEAT DAMAGE

COMPRESSION (FLANGE VERT) FWD

(AFT)

STA 980

VERT FLANGE FRACTURE CONSISTENT WITH COMPRESSION LOADING

COMPRESSION

CHORD FRACTURE UP & SLIGHT TWIST OF VERT FLANGE FWD

COMPONENT

LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

FRACTURE, INBD  
 FRACTURE, OBD  
 FRACTURE, FWD  
 FRACTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, OBD  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE

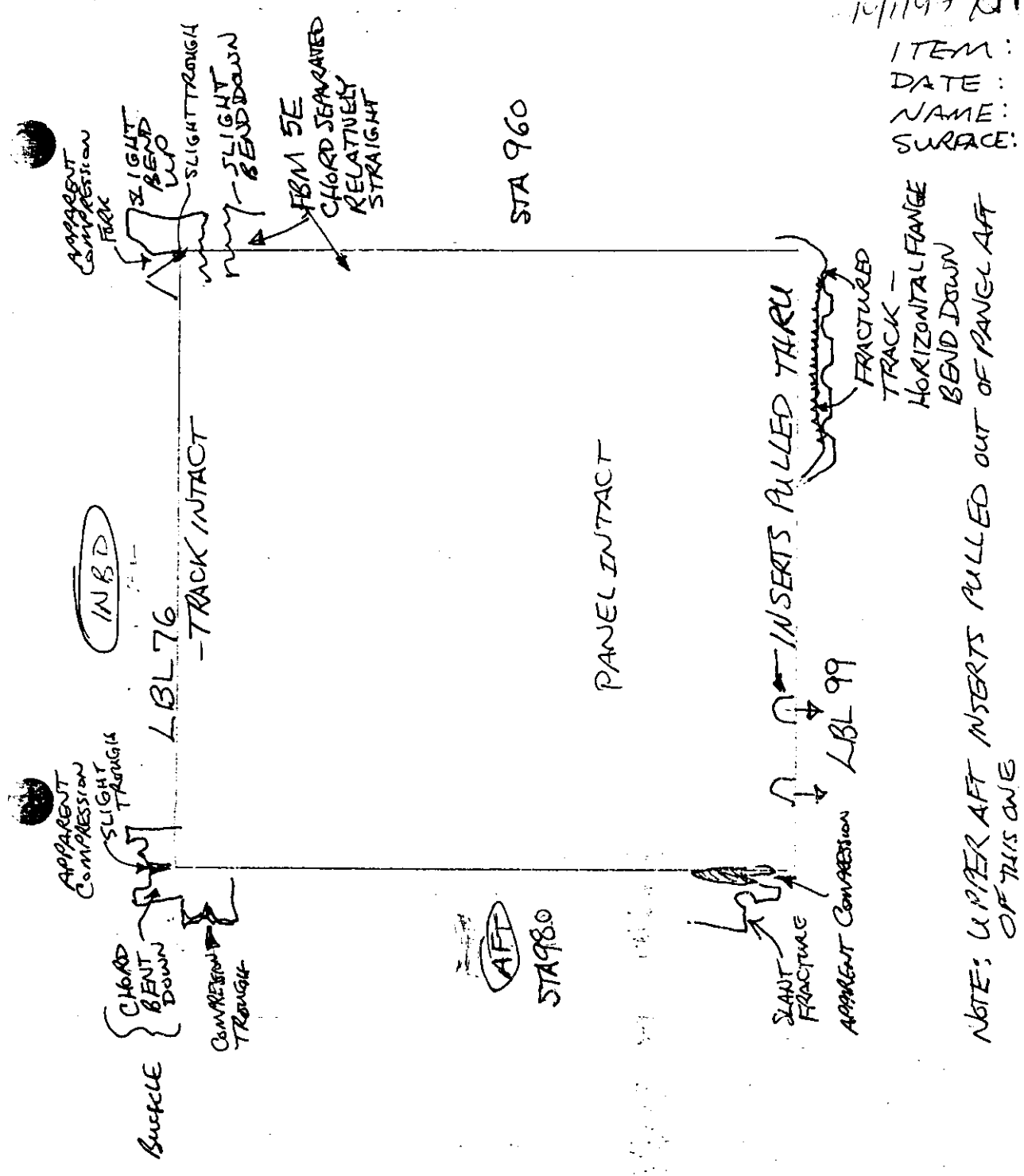
\* (FIAT) TENSILE

\* SLANT

\* TEAR

NOTE: METAL FRACTURES - CLEAN

10/1/97 JTR  
 ITEM: FBM 4G  
 DATE: 10-23-96  
 NAME: J. TRZIL  
 SURFACE: LOWER



COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, O/SO  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O/SO  
 BEND, FWD  
 BEND, AFT

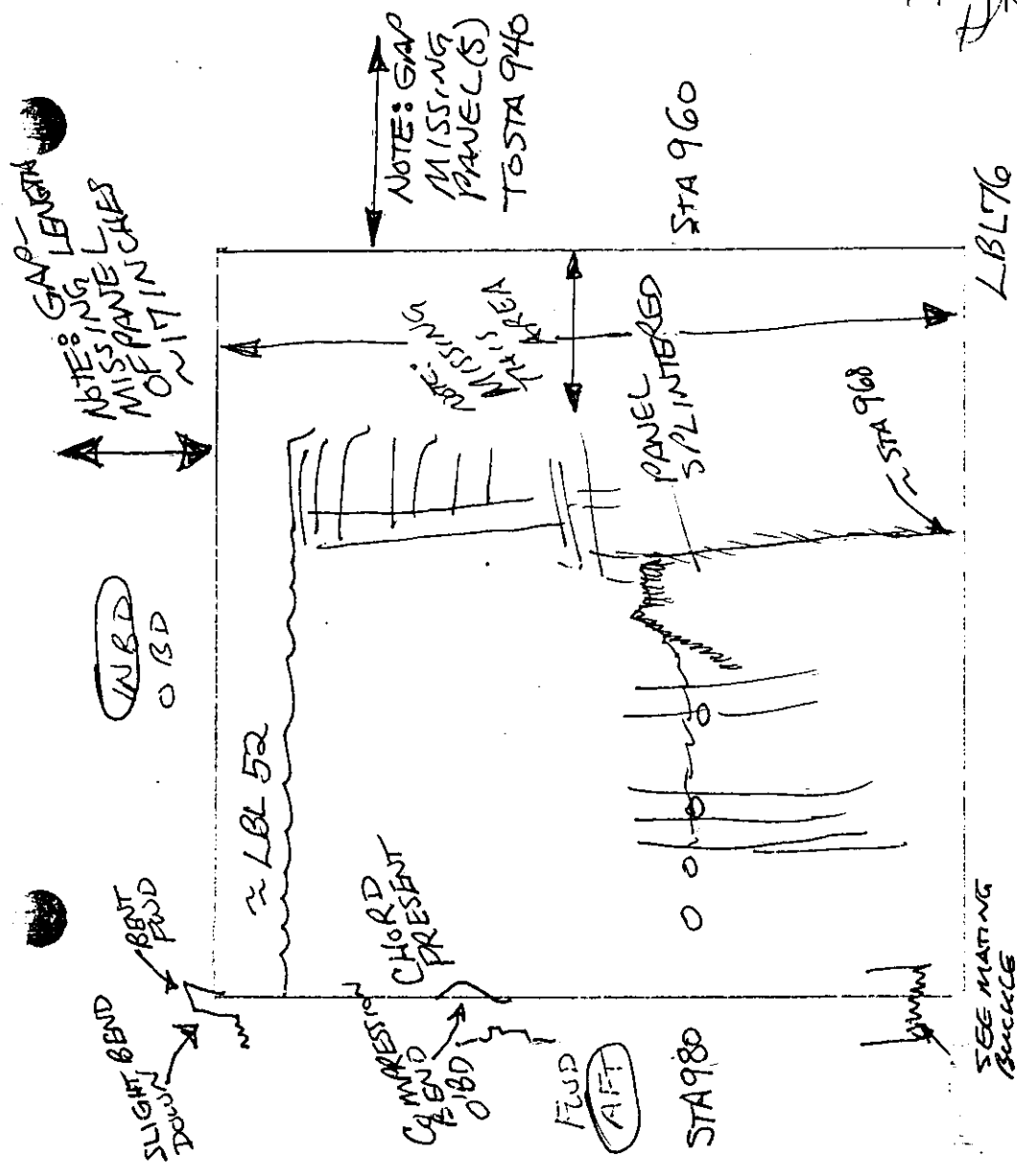
\* HOLE-TO-HOLE  
 \* *(Sketch of a hole-to-hole failure)*  
 \* *(Sketch of a slant failure)*  
 \* *(Sketch of a tear failure)*

NOTE: UPPER AFT INSERTS PULLED OUT OF PANEL AFT OF THIS ONE



10/11/96  
 JTR

ITEM: FBM 4H  
 DATE: 10/23/96  
 NAME: J. TRZIL  
 SURFACE: LOWER



COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, O/B/D  
 PUNCTURE, FLD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O/B/D  
 BEND, FLD  
 BEND, AFT

\* HOLE-TO-EDGE  
 \* *in junction (FLAT) TENSILE*  
 \* *TEAR*  
 \* *TEAR*

NOTE: UPPER-AFT INSERTS PULLED OUT OF PANEL AFT OF THIS ONE

**FBM-5A**

11/14/96  
10-19-96  
JTR:IL

FRAME FBM-5A STA 960 LBL 125

RED TAG A144  
LLS 138  
EOD 3 ; TIME 112

SPLATTER AFT SIDE INBOARD DIRECTION  
UPPER HALF OF SEGMENT AND ON  
OBD FLANGE SURFACES  
UPPER TWO SHEAR TIE TO SKIN  
ATTACH FLANGES BROKEN OFF. (A)

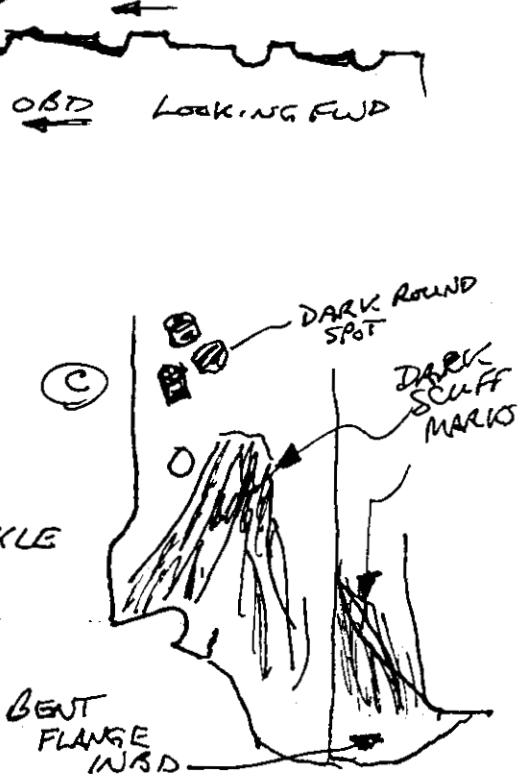
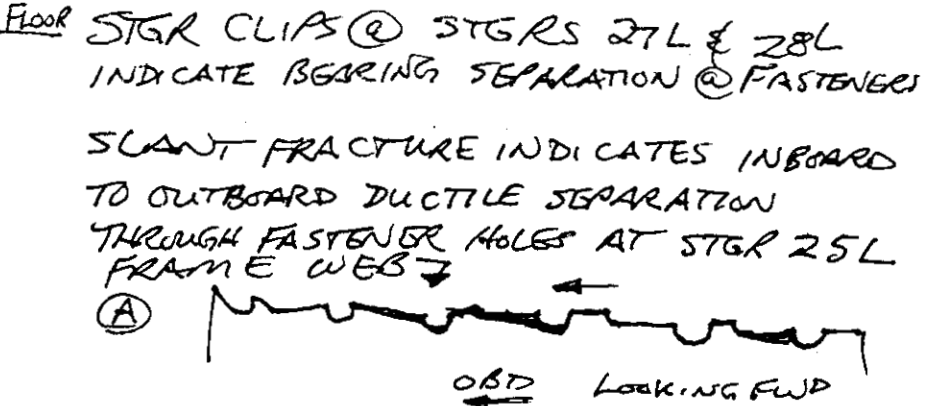
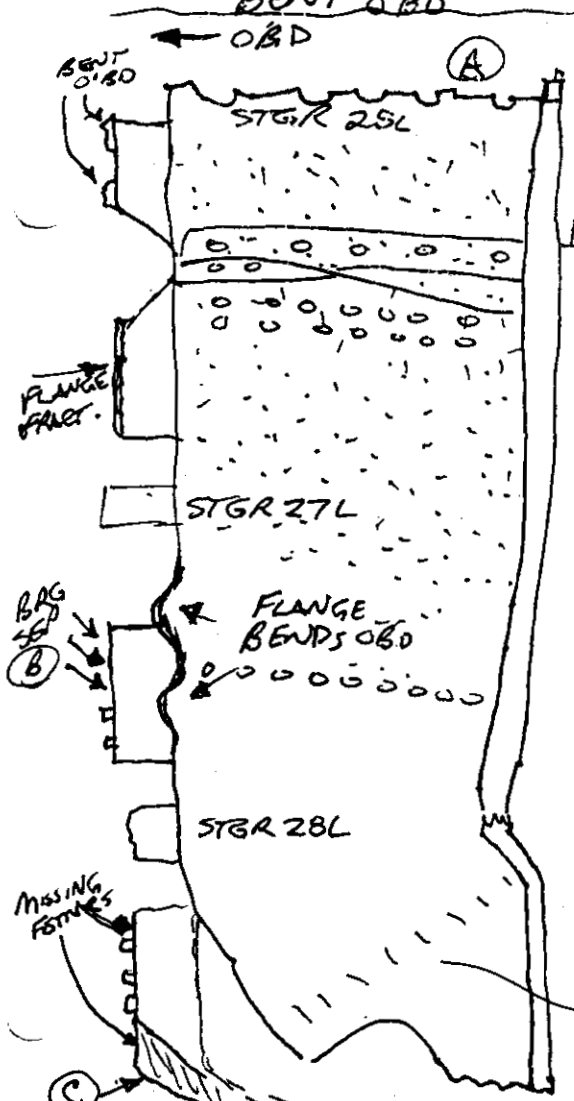
LOWER SIX FASTENERS IN LWRTWO  
SHEAR TIES INDICATE SKIN-SHEAR  
TIE SEPARATION IN TENSILE [INBD-OUTBD]  
MODE. UPPER THREE FASTER HOLES  
IN 2ND FROM BOTTOM SHEAR TIE APPEAR  
TO HAVE SEPARATED BY BEARING (PULL OUT)

VERTICAL OUTER FLANGE SHOWS EVIDENCE  
OF POSSIBLE COMPRESSION BUCKLING  
AT LATTER SHEAR TIE - COULD BE JUST  
BENT OBD AT THESE TWO LOCATIONS

FLOOR STGR CLIPS @ STGRS 27L & 28L  
INDICATE BEARING SEPARATION @ FASTENERS

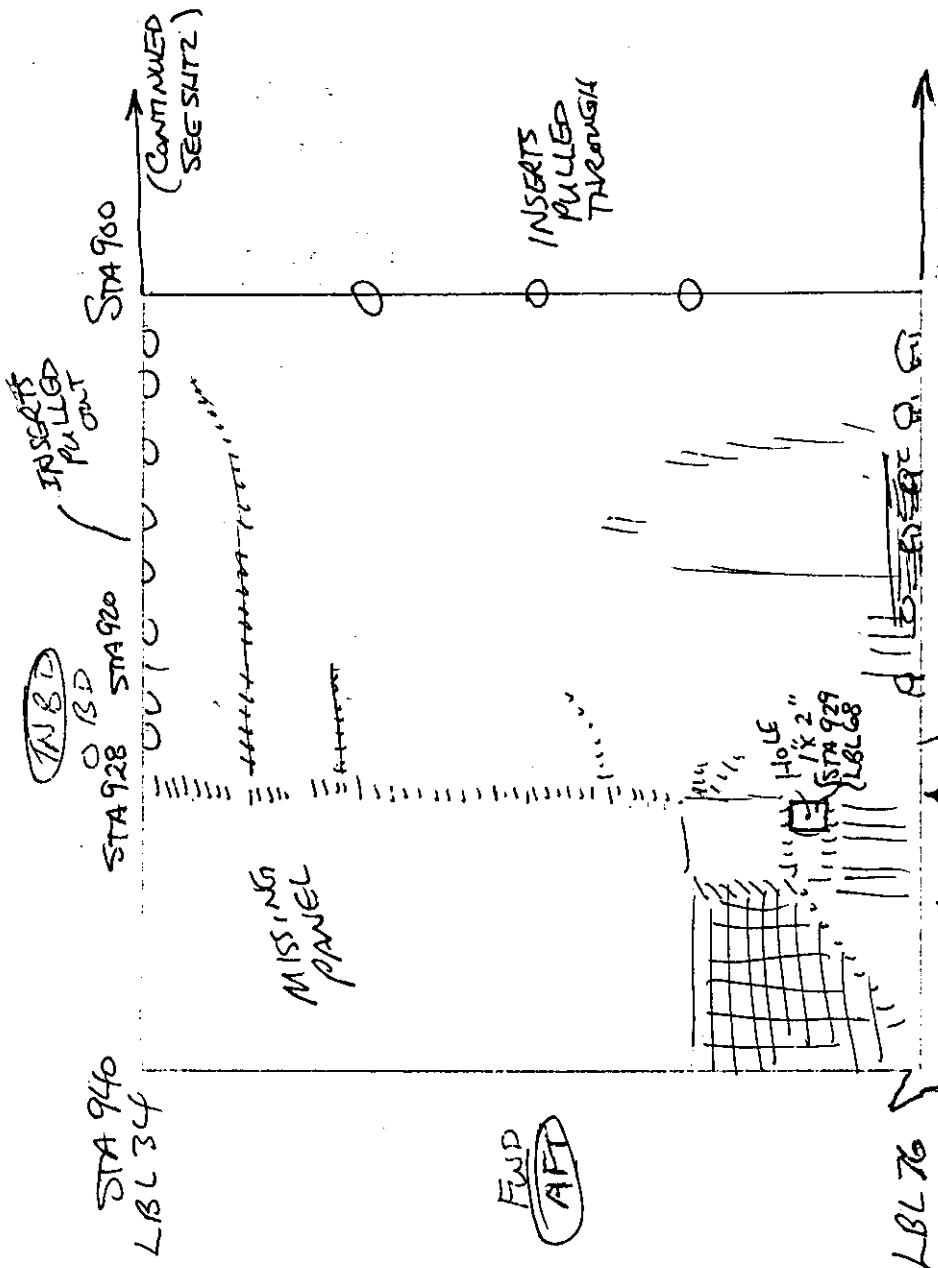
SLANT FRACTURE INDICATES INBOARD  
TO OUTBOARD DUCTILE SEPARATION  
THROUGH FASTENER HOLES AT STGR 25L  
FRAME WEB (A)

(A) UPPER MOST SHEAR  
TIE BETWEEN  
FLOOR BEAM &  
STRINGER 25L -  
FLANGE REMNANTS  
BENT OBD



DARK RUB/SCUFF  
MARKS; BENT FLANGE INBD

ITEM: FBM 9  
 DATE: 10/24/96  
 NAME: J. TRZIL  
 SURFACE: UPPER  
 LOWER



SEE FBM 78  
 STA 920 CHORD  
 IS BENT UP  
 FROM LBL 58 080

SECTION OF  
 TRACK IS  
 RELATIVELY  
 FLAT-TENSION  
 FRACTURES

COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, IN BD  
 PUNCTURE, O/BP  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, IN BD  
 BEND, O/BP  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE  
 \* IN CURVE (FLAT) TENSILE  
 \* SLANT  
 \* TEAR

COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, OBD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, OBD  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE  
 \* (FUT) TENSILE  
 \* SLANT  
 \* TEAR

SHT 2 OF 2

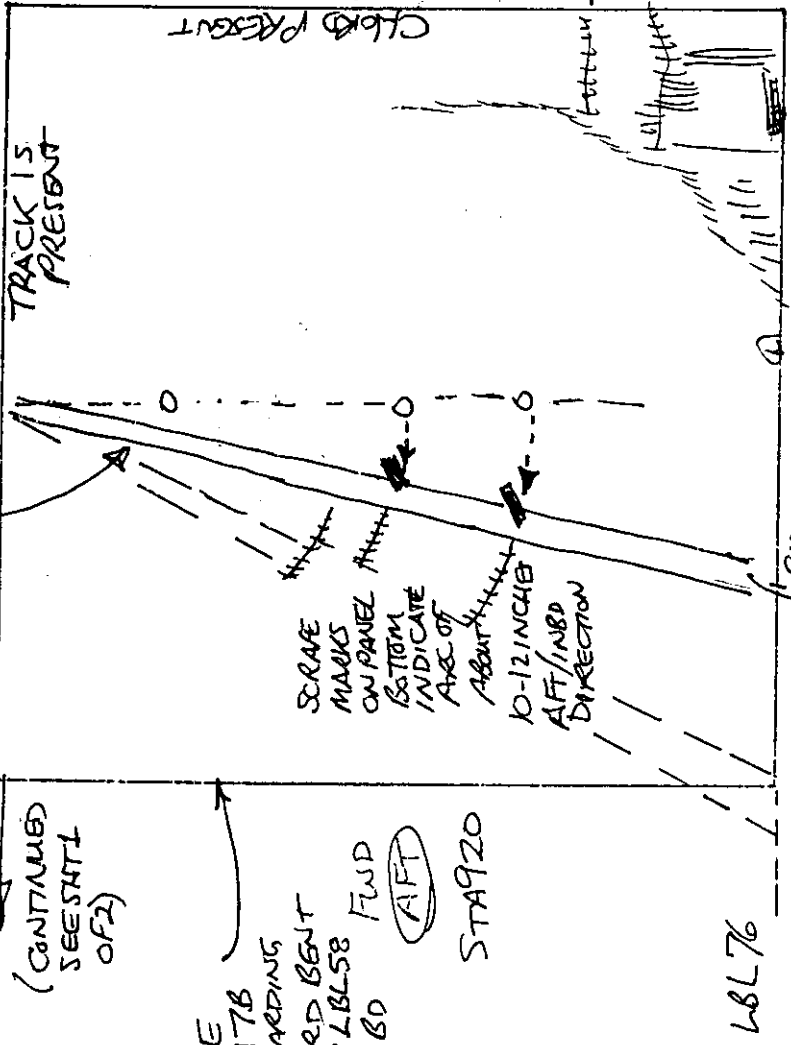
CHORD ATTACHED TO TRACK AT  
 STA 900 / LBL 33 INTERSECTION  
 IS ROTATED AFT ABOUT 30°  
 FROM BREAK AT STA 898  
 IN TRACK

LBL 34

(CONTINUED  
 SEE SHIT  
 OF 2)

SEE  
 FBMTB  
 REGARDING  
 CHORD BENT  
 UP LBL 58  
 TO OBD  
 FWD  
 (AFT)  
 STA 920

STA 880



910  
 SLIGHT  
 BEND DOWN  
 COMPRESSION  
 FRACTURE  
 VERTICAL  
 FLANGE

CHORD  
 LOCATION  
 ORIGINAL : STA 900  
 CURRENT : ~ 910  
 MAX : ~ 924

ITEM: FBM-9  
 DATE: 10/24/96  
 NAME: J. TRZIL  
 SURFACE: UPPER  
 LOWER

CORNER IS  
 BENT DOWN.  
 ATTACHED  
 CHORD IS BENT  
 DOWN VERTICAL  
 FLANGE HAS BEEN  
 BRACKLED.

COMPONENT

LOCATION  
UPPER  
" LOWER  
FORWARD  
REAR/AFT

PUNCTURE, INBD  
PUNCTURE, OIBD  
PUNCTURE, FWD  
PUNCTURE, AFT

TENSION\*  
SHEAR/TEAR  
COMPRESSION  
BEND, INBD  
BEND, OIBD  
BEND, FWD  
BEND, AFT

\* HOLE-TO-HOLE

\* (FLAT) TENSILE

\* SLANT

\* TEAR

A MISSING ADJACENT PANEL

INBD  
OIBD

SEE FBM 3C FOR STA 940 CHORD BEND AND AFT AT LBL 176

LBL 76

CHORD PRESENT  
INSERTS PRESENT

(CONTINUED; SEE SH 2)

SALT PANEL

FWD  
AFT  
STA 960

INSERT PULLED THROUGH

STA 960

STA 940 [PANEL INTACT TO STA 920]

LBL 99

SEE BGM FBM 3C RE: APPARENT TWIST OIBD AT BOTTOM WITH ASSOCIATED WEBS FRACTURED

TRACK ATTACHED TO FBM 3C REDTAG A174

(CONTINUED SEE SH 2)

SEE FBM 3C FOR APPARENT TWIST

OF LBL 99 -  
OIBD OF LBL 99 -  
• UPPER CHORD AFT  
• LOWER CHORD AFT  
INBD OF LBL 99 -  
• LOWER CHORD AFT  
• UPPER CHORD AFT

ITEM: FBM 12E  
DATE: 10/23/96  
NAME: J. TRZIL




SURFACE: UPPER  
LOWER

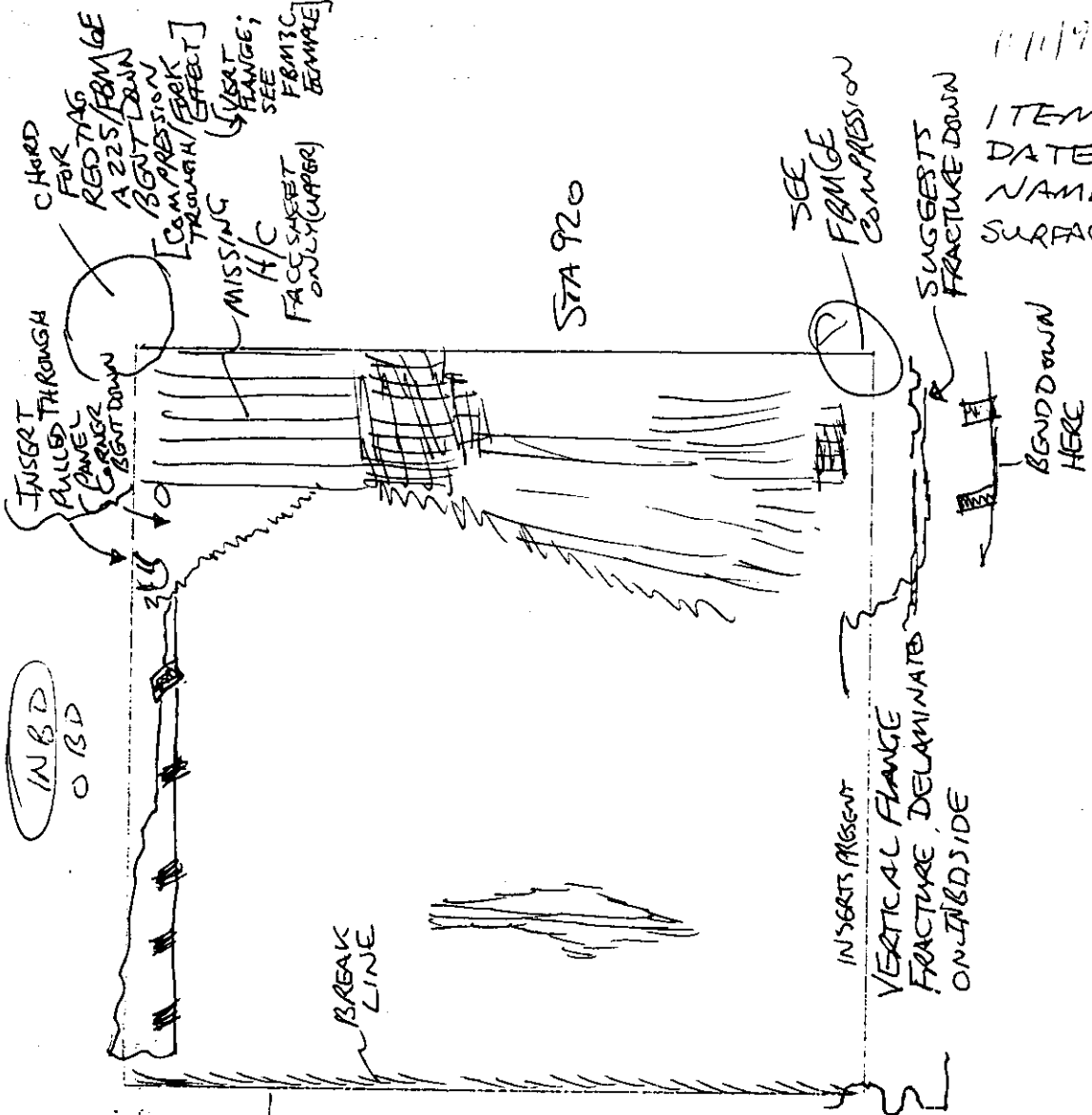
11/17/96

COMPONENT  
LOCATION  
UPPER  
LOWER  
FORWARD  
REAR/AFT

FRACTURE, INBD  
FRACTURE, OBD  
FRACTURE, FWD  
FRACTURE, AFT

TENSION \*  
SHEAR/TEAR  
COMPRESSION  
BEND, INBD  
BEND, OBD  
BEND, FWD  
BEND, AFT

\* HOLE-TO-HOLE  
\*  (FIAT) TENSILE  
\*  USLANT  
\*  TEAR



INBD  
OBD

LBL 76

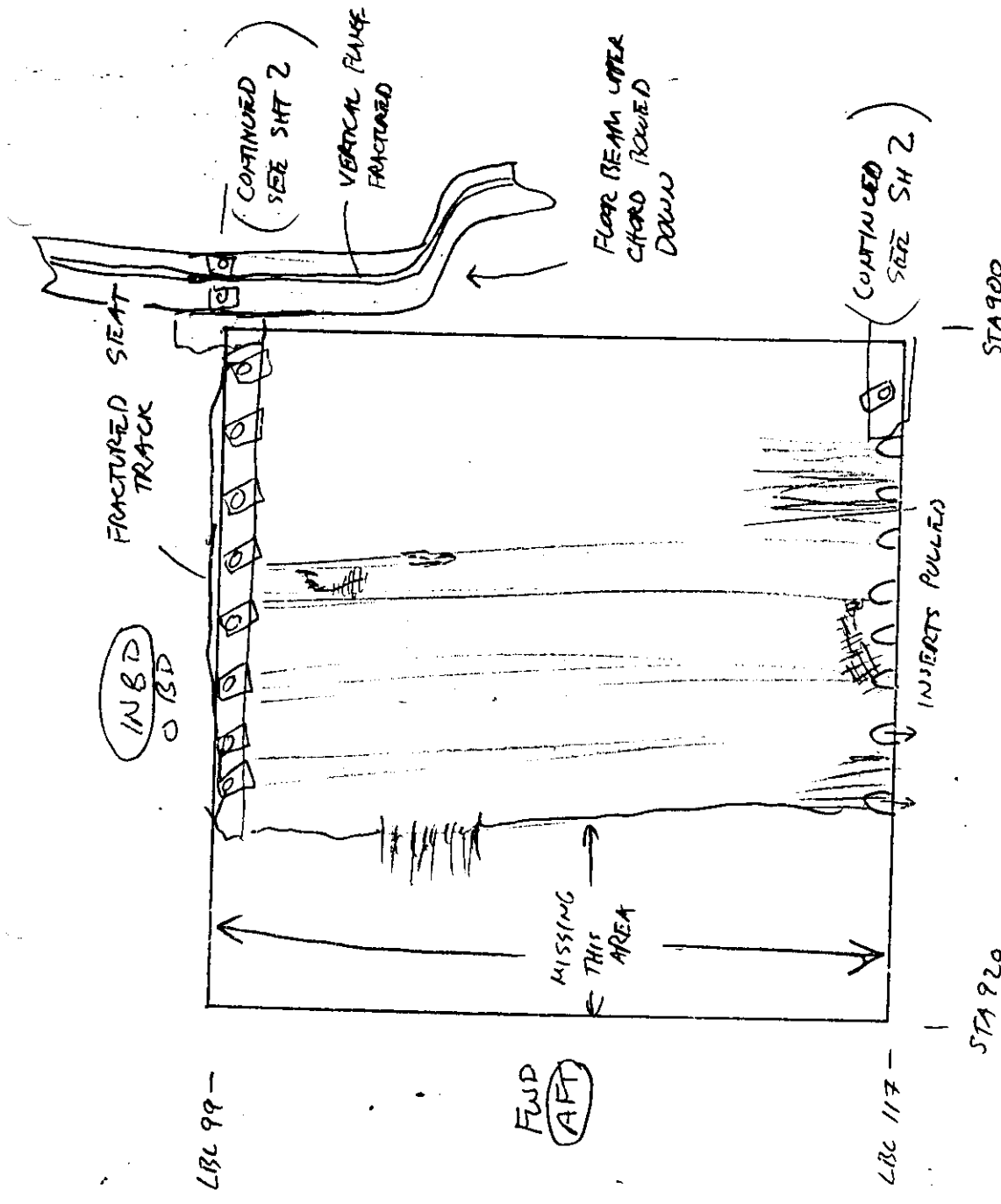
(CONTINUED)  
(SEE SHEET 1052)

FWD  
AFT  
STA 940

LBL 99

ITEM: FBMIC (CONT'D)  
DATE: 10/23/96  
NAME: J. TRZIL  
SURFACE: UPPER  
LOWER

10/17/96  
 ITEM: FBM 12C  
 DATE: 10/29/96  
 NAME: G-FLEIS  
 SURFACE: UPPER  
 LOWER



COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

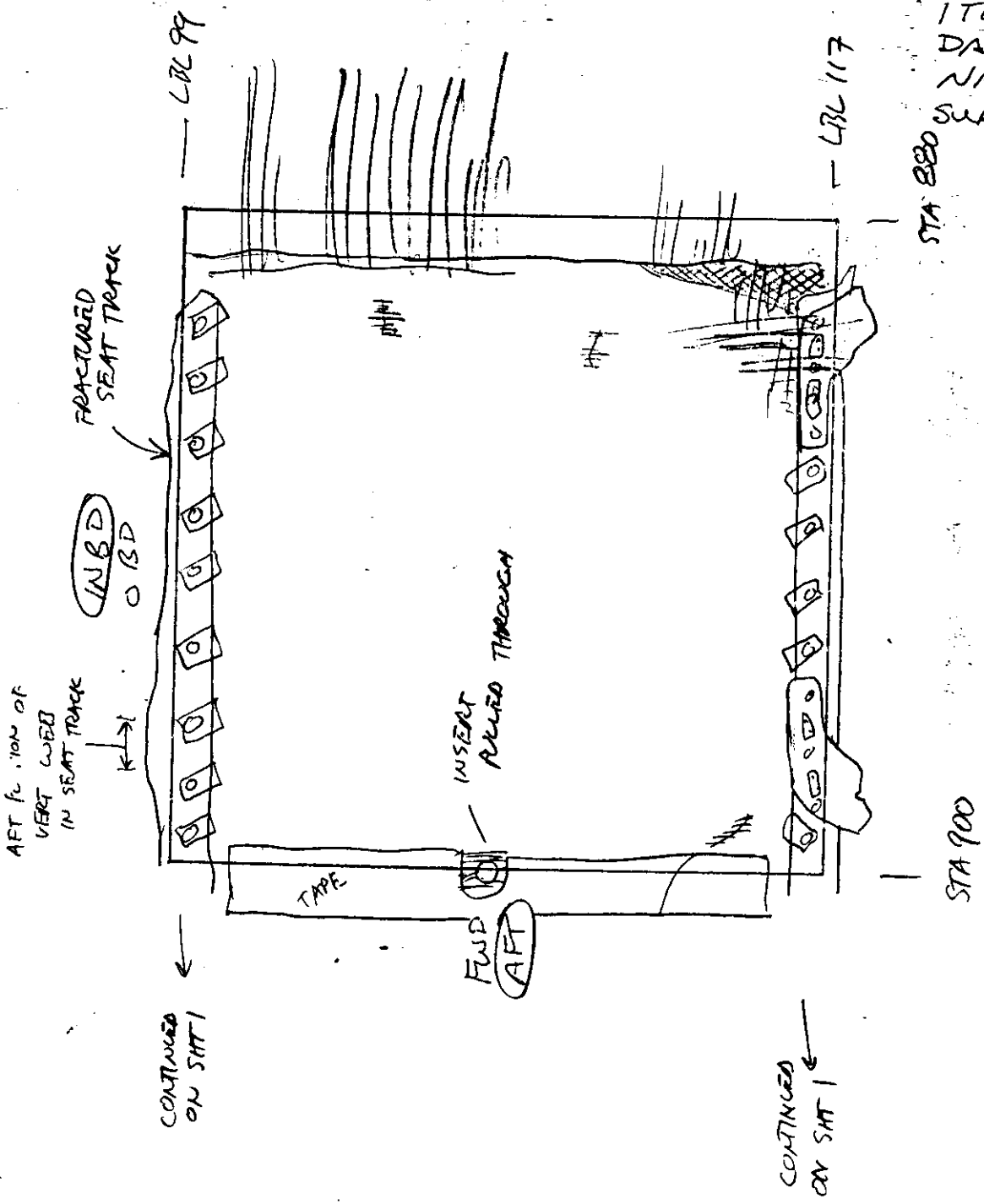
PUNCTURE, INBD  
 PUNCTURE, O/SB  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION\*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O/SB  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-ABLE  
 \* in *curved* (FLAT) TENSILE  
 \* *curved* SLANT  
 \* *wavy* TEAR

10/11/96 BFA

ITEM: FBM12C  
 DATE: 10/29/96  
 NAME: G. FLEIS  
 SURFACE: UPPER  
 LOWER



COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, O/BD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

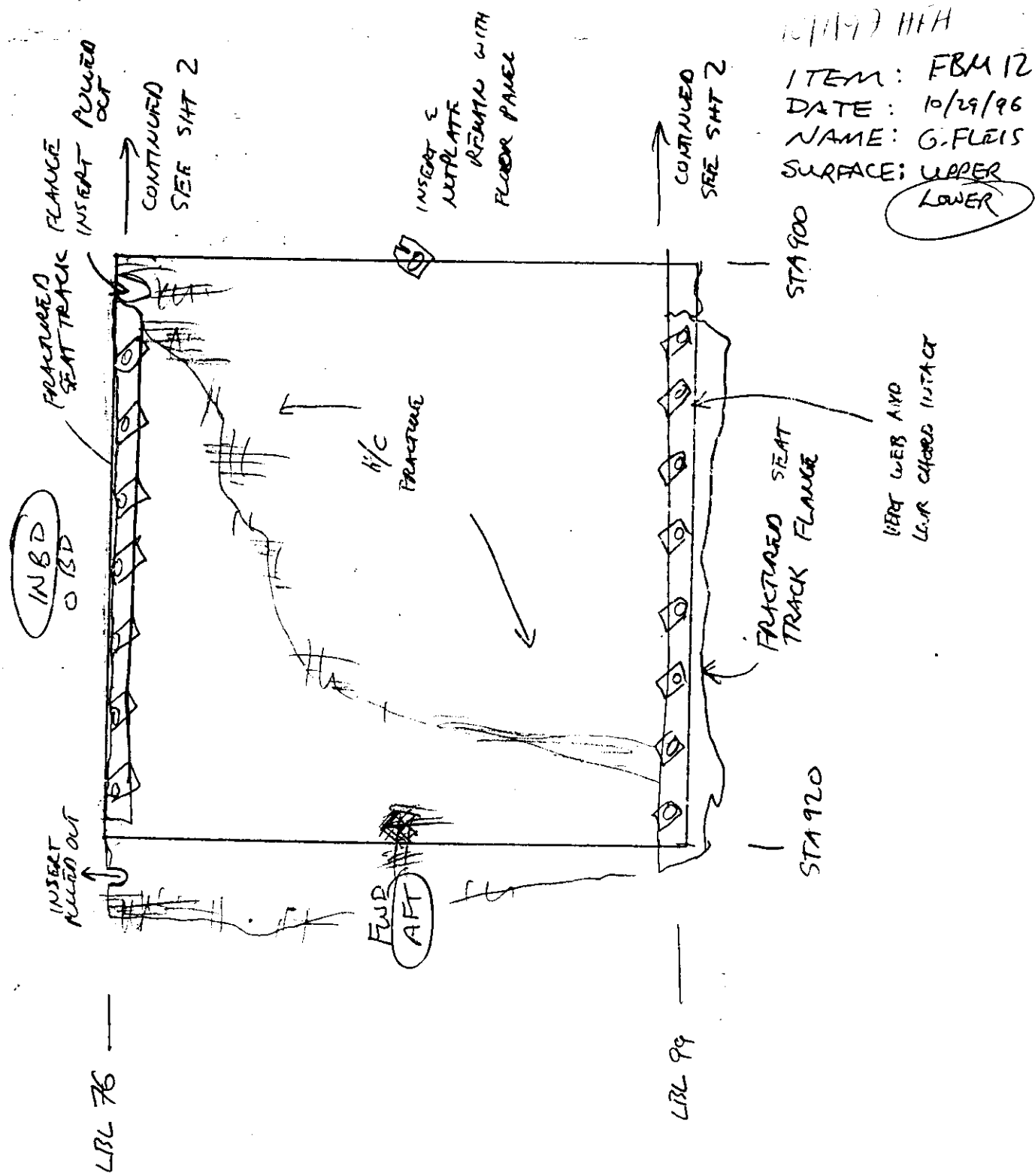
TENSION \*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, O/BD  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE  
 \* IN JUNCTION (FLAT) TENSILE  
 \* TUBULAR SLANT  
 \* TUBULAR TEAR



10/11/97 HHH

ITEM: FBM 12D  
DATE: 10/29/96  
NAME: G. FLEIS  
SURFACE: UPPER  
LOWER



COMPONENT

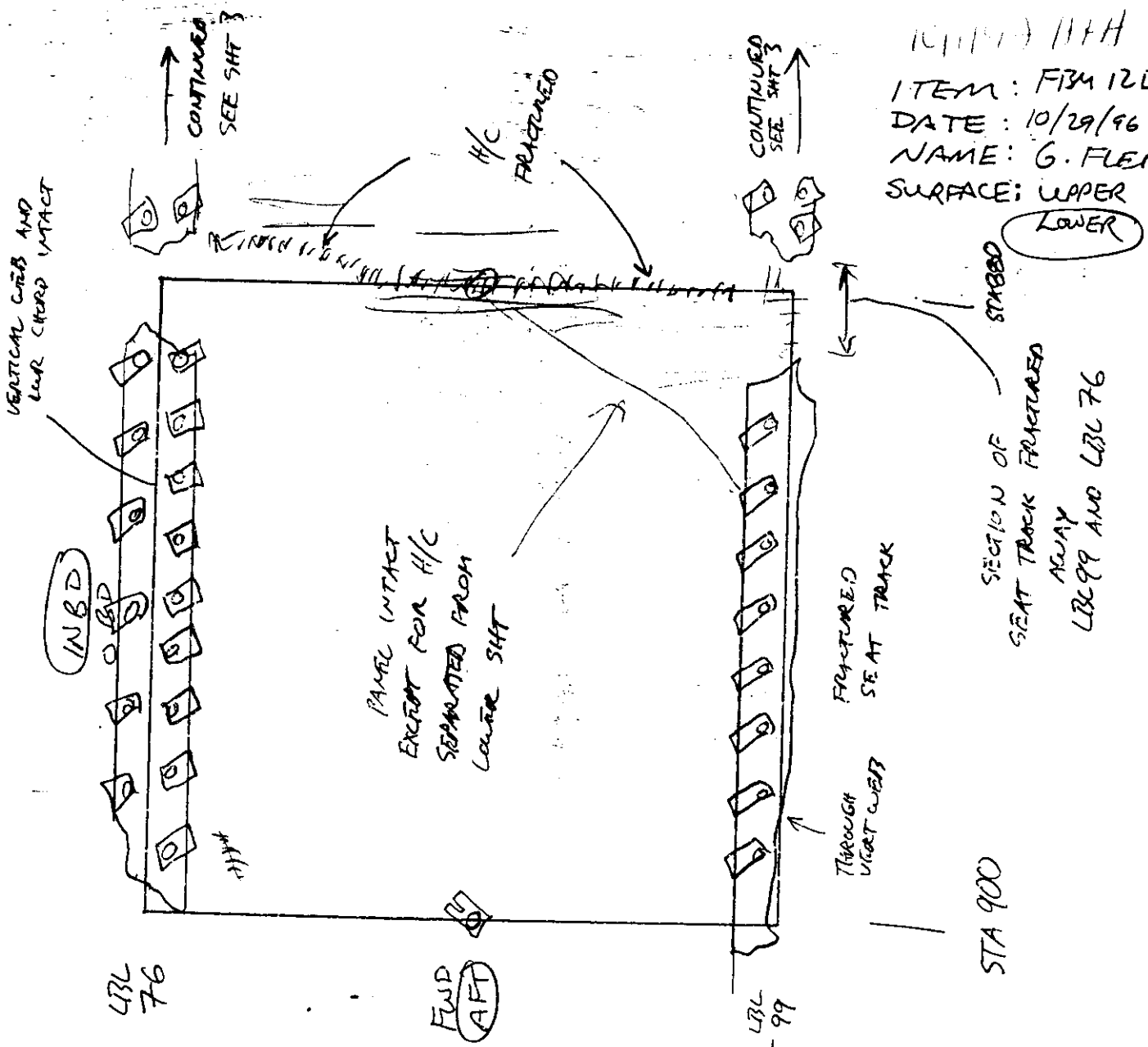
LOCATION  
UPPER  
LOWER  
FORWARD  
REAR/AFT

FRACTURE, IN/BD  
FRACTURE, O/BD  
FRACTURE, FWD  
FRACTURE, AFT

TENSION\*  
SHEAR/TEAR  
COMPRESSION  
BEND, IN/BD  
BEND, O/BD  
BEND, FWD  
BEND, AFT

- \* HOLE-TO-ANGLE
- \* (FLAT) TENSILE
- \* SLANT
- \* TEAR

10/11/96 11:11H  
 ITEM: F3M 12D  
 DATE: 10/29/96  
 NAME: G. FLEIS  
 SURFACE: UPPER  
 LOWER



COMPONENT  
 LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, OBD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION \*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, OBD  
 BEND, FWD  
 BEND, AFT

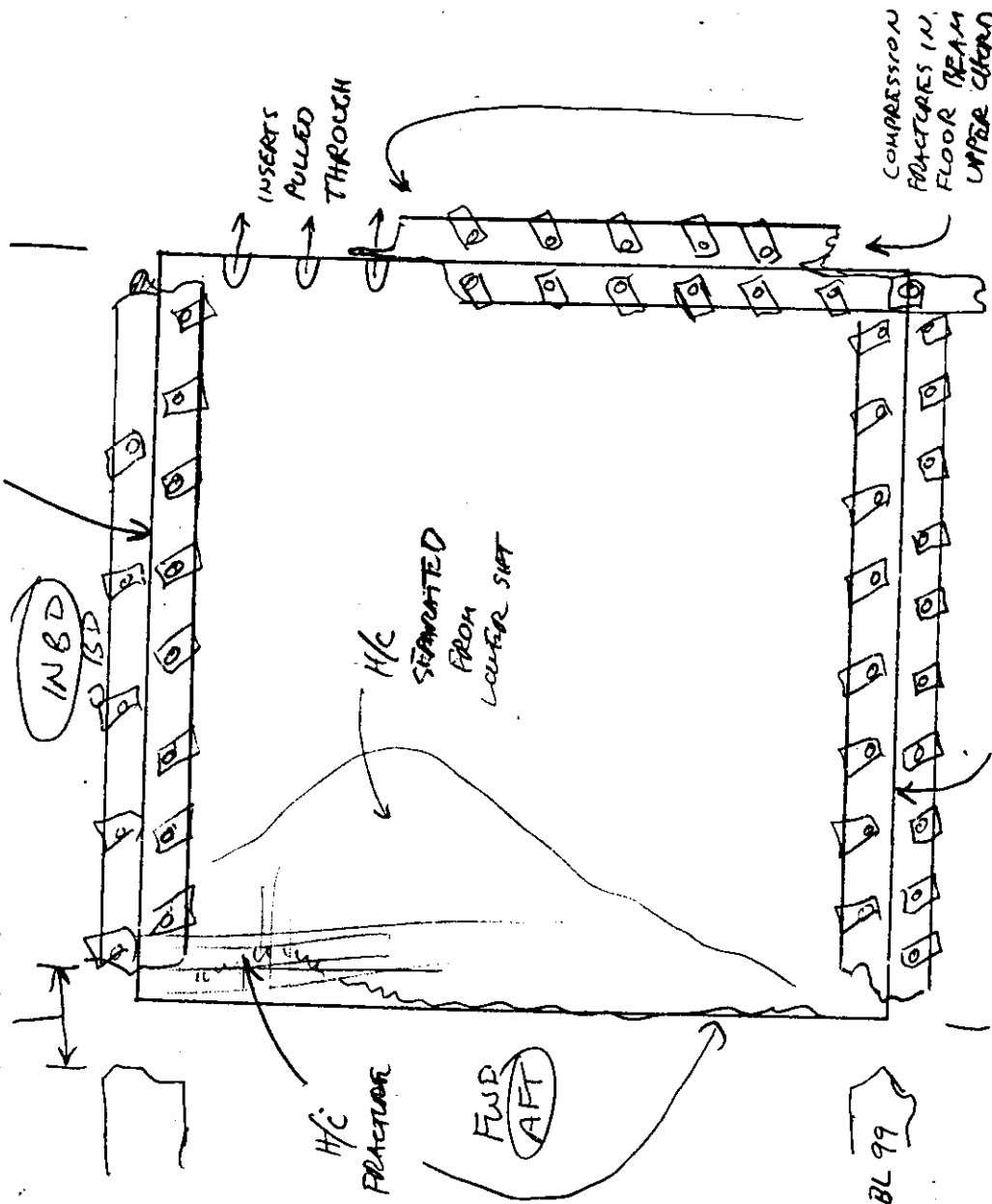
\* HOLE-TO-HOLE  
 \* in *un* (FIAT) TENSILE  
 \* *un* SLANT  
 \* *un* TEAR

10/1/97 HFH  
 ITEM: FBM 12D  
 DATE: 10/30/96  
 NAME: G. FLEIS  
 SURFACE: UPPER  
 LOWER

STA 860

VERTICAL WEB AND LOWER CHORD INTACT

SECTION OF SEAT TRACK FRACTURED AWAY LBL 76 AND LBL 99



STA 860

VERTICAL WEB AND LOWER CHORD INTACT

STA 860

COMMENT

LOCATION  
 UPPER  
 LOWER  
 FORWARD  
 REAR/AFT

PUNCTURE, INBD  
 PUNCTURE, OBD  
 PUNCTURE, FWD  
 PUNCTURE, AFT

TENSION \*  
 SHEAR/TEAR  
 COMPRESSION  
 BEND, INBD  
 BEND, OBD  
 BEND, FWD  
 BEND, AFT

\* HOLE-TO-HOLE  
 \* CONTINUED SEE SHT 2  
 \* TENSILE  
 \* SLANT  
 \* TEAR

LBL 76  
 CONTINUED SEE SHT 2

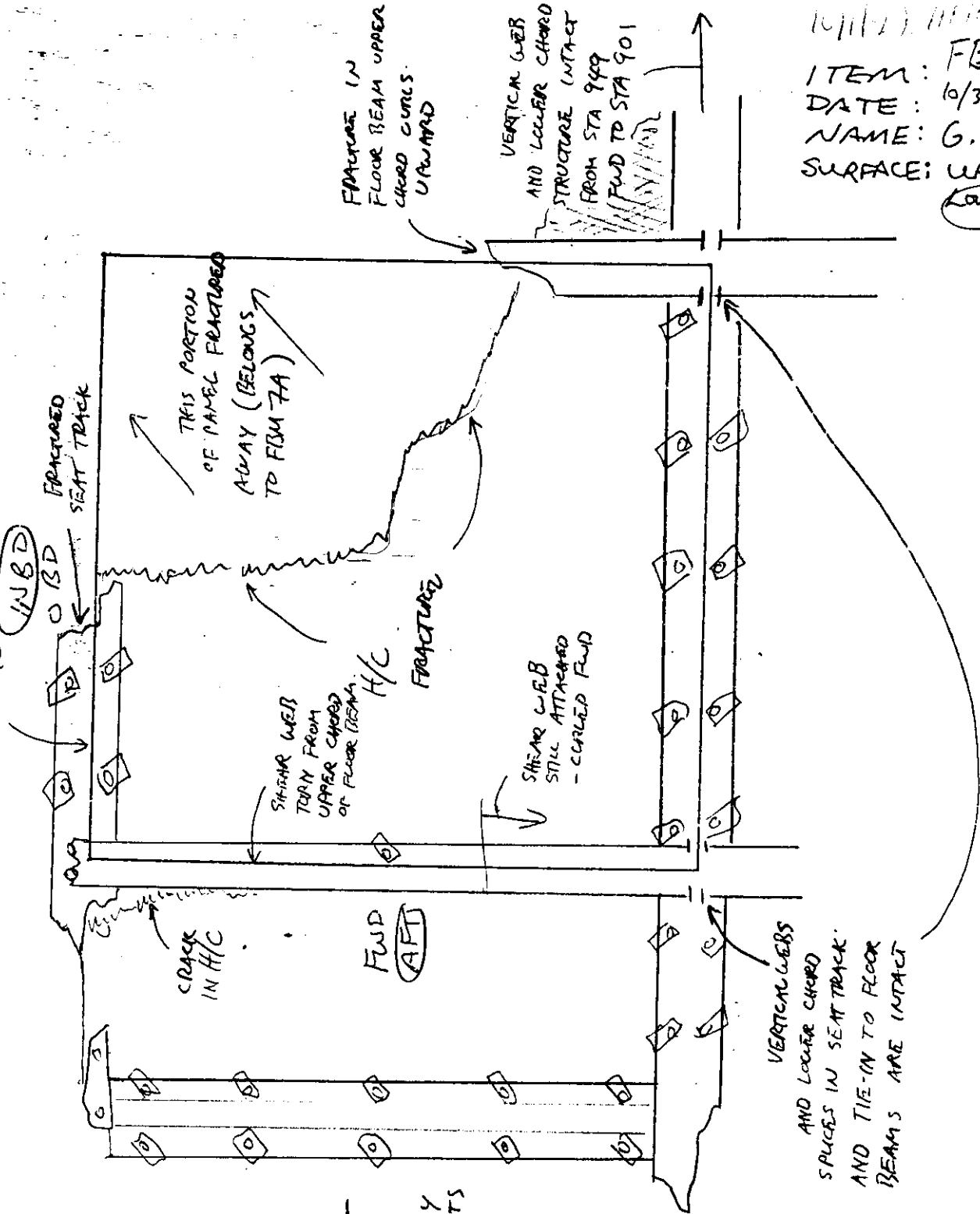
LBL 99

STA 920

SMALL RECR (2" x 6") OF VERT WEB (NO LOWER CHORD) REMAINS WITH SEAT TRACK, SLIGHT CURV IN BD AT STA 940

STA 940

ITEM: FBM 7B  
DATE: 10/30/96  
NAME: G. FLEIS  
SURFACE: UPPER  
LOWER



COMPONENT

LOCATION LBL 11

UPPER  
LOWER  
FORWARD  
REAR/AFT

PUNCTURE, INBD  
PUNCTURE, O'BD  
PUNCTURE, FWD  
PUNCTURE, AFT

TENSION\*  
SHEAR/TEAR  
COMPRESSION  
BEND, INBD  
BEND, O'BD  
BEND, FWD  
BEND, AFT

PANEL FBM 7B PULLED AWAY FROM INSERTS

\* HOLE-TO-ANGLE 34  
\* FLAT TENSILE

\* SLANT  
\* TEAR

VERTICAL WEBS AND LOWER CHORD SPICES IN SEAT TRACK AND TIE-IN TO FLOOR BEAMS ARE INTACT

FRAME WEB CORRS  
FWD & OUTWARD

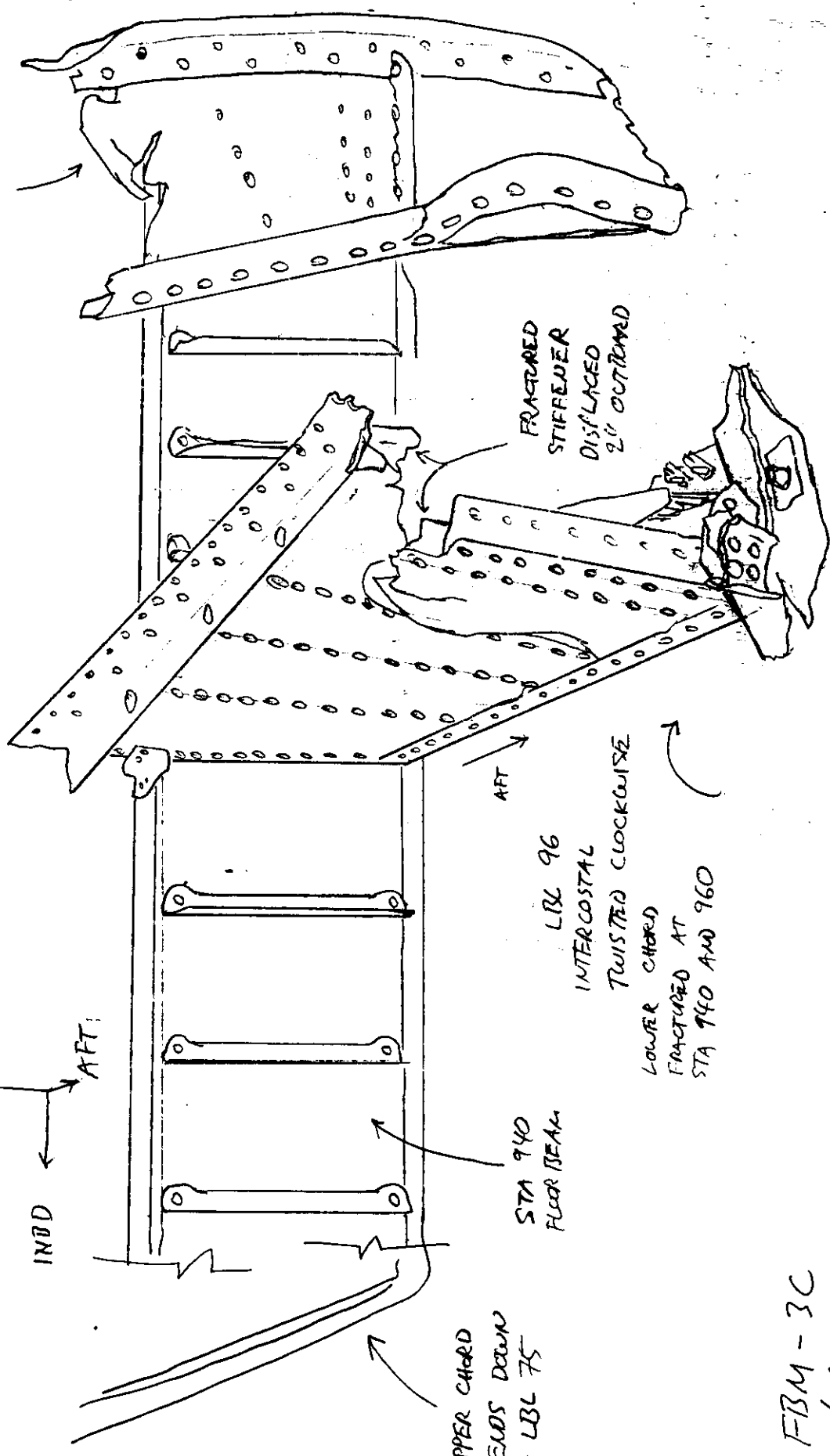
FRAGURED  
STIFFENER  
DISPLACED  
2" OUTWARD

LBCL 96  
INTERCOSTAL  
TWISTED CLOCKWISE  
LOWER CHORD  
FRAGURED AT  
STA 940 AND 960

DOWN  
INBD  
AFT

STA 940  
FLOOR BEAM

UPPER CHORD  
BENDS DOWN  
AT LBCL 75



FBM-3C  
11/7/96 G. FLEIS

12/1/97  
AFM