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BOEING AEROSPACE CO HOUSTON TX

F/G 15/6

ELECTRICAL ANALYSIS OF B-52/FB-111 AMAC AND RELEASE CIRCUITRY U--ETC(U)

OCT 75

F29601-76-C-0017

UNCLASSIFIED

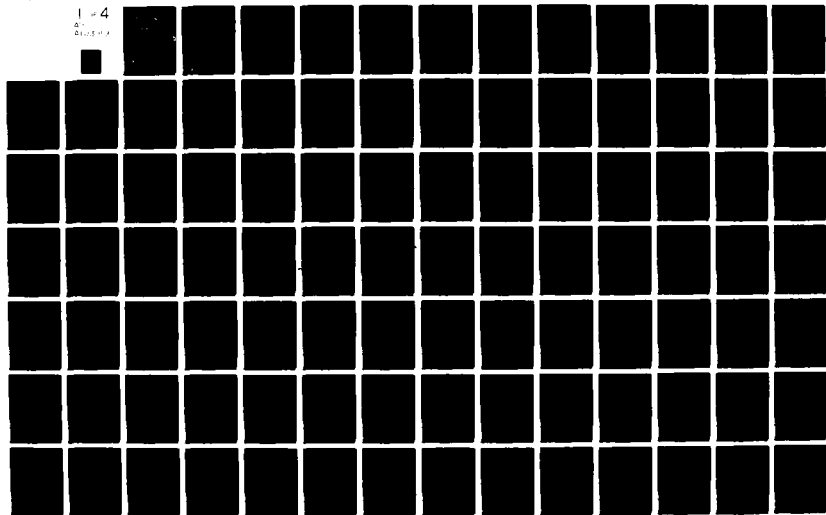
D2-118576-3

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1-4

80

01/03/77



D2-118576-3

LEVEL

VOLUME 3

FB-111 NETWORK TREES

2
B-5

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ELECTRICAL ANALYSIS
OF B-52/FB-111 AMAC
AND
RELEASE CIRCUITRY
UTILIZING SNEAK CIRCUIT
ANALYSIS TECHNIQUE

— Final Report —

FILE COPY

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THE **COBINS** AEROSPACE COMPANY
HOUSTON, TEXAS
OCTOBER 31 1975

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D2-118576-3

THE **BOEING** COMPANY

REV LTR

(14) CODE IDENT. NO. 81205
NUMBER D2-118576-3

A103952

(4) TITLE: ELECTRICAL ANALYSIS OF B-52/FB-111 AMAC
AND RELEASE CIRCUITRY UTILIZING SNEAK CIRCUIT
ANALYSIS TECHNIQUES, FB-111 NETWORK TREES.

Volume 3. (9) Final Rpt.

MODEL B-52/FB-111

(10) CONTRACT F29691-76-C0017

ISSUE NO. 8

ISSUED TO: _____

(12) 344 (14) 31 34 15

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Distribution	
Availability	
Notes	
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PREPARED BY SNEAK CIRCUIT ANALYSIS GROUP
ORG. 5-2932

SUPERVISED BY E. J. Hill

APPROVED BY D. A. Heuer

D. A. Heuer

DMC

SHEET

341861

D2-118576 - 3

ARRANGEMENT

<u>Document Number</u>	<u>Title</u>	<u>Subject</u>
D2-1185761-1	Final Report	Electrical Analysis of B-52/FB-111 AMAC and Release Circuitry Utilizing Sneak Circuit Analysis Techniques
D2-1185761-2	B-52 Network Trees	B-52 AMAC and Release Circuitry
D2-1185761-3	FB-111 Network Trees	FB-111 AMAC and Release Circuitry

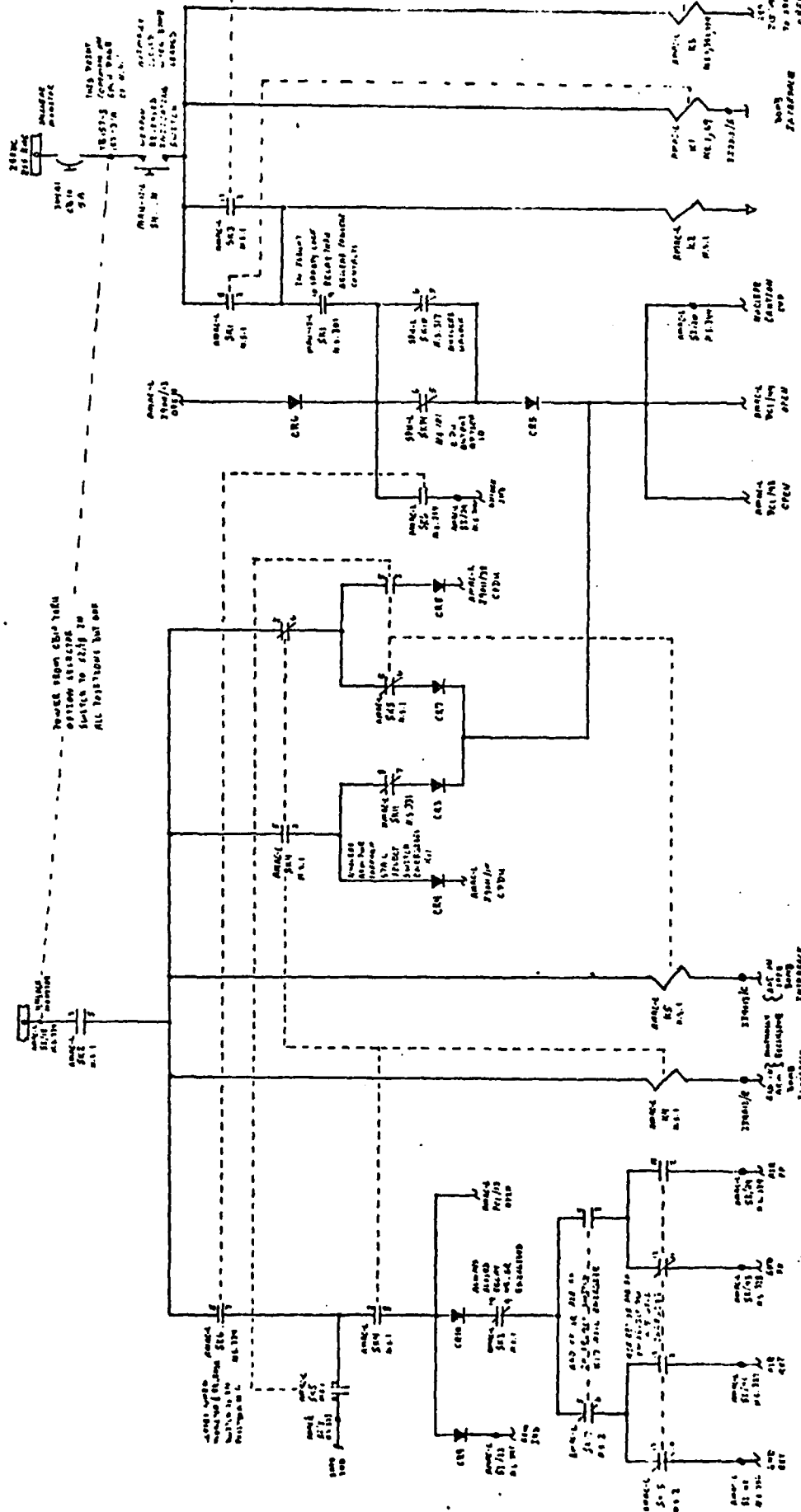
02-118576 -3

REVISIONS

REV. SYM	DESCRIPTION	DATE	APPROVED

REV

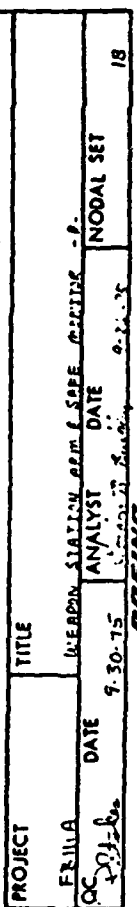
SNEAK CIRCUITS NETWORK TREE



PROJECT	TITLE	
FB 311A	WEAPON STATION ARM & SEER MONITOR-2-	
QC <i>Staden</i>	DATE 9-30-75	ANALYST DATE 9-26-75
		MODAL SET 1A

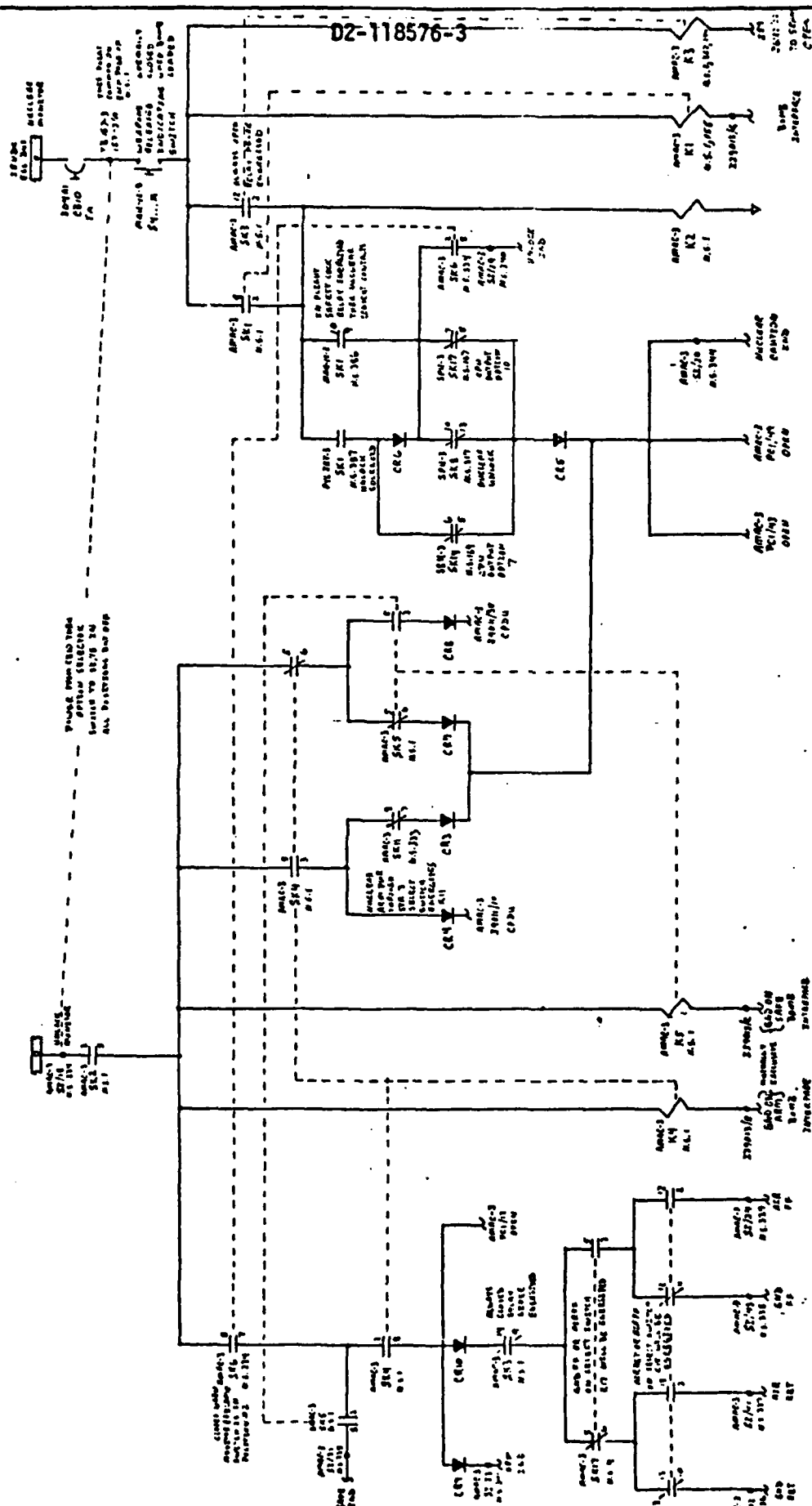
THE BOEING RESEARCH COMPANY • MOBILE, ILL.

1. The first



SNEAK CIRCUITS NETWORK TREE

REV



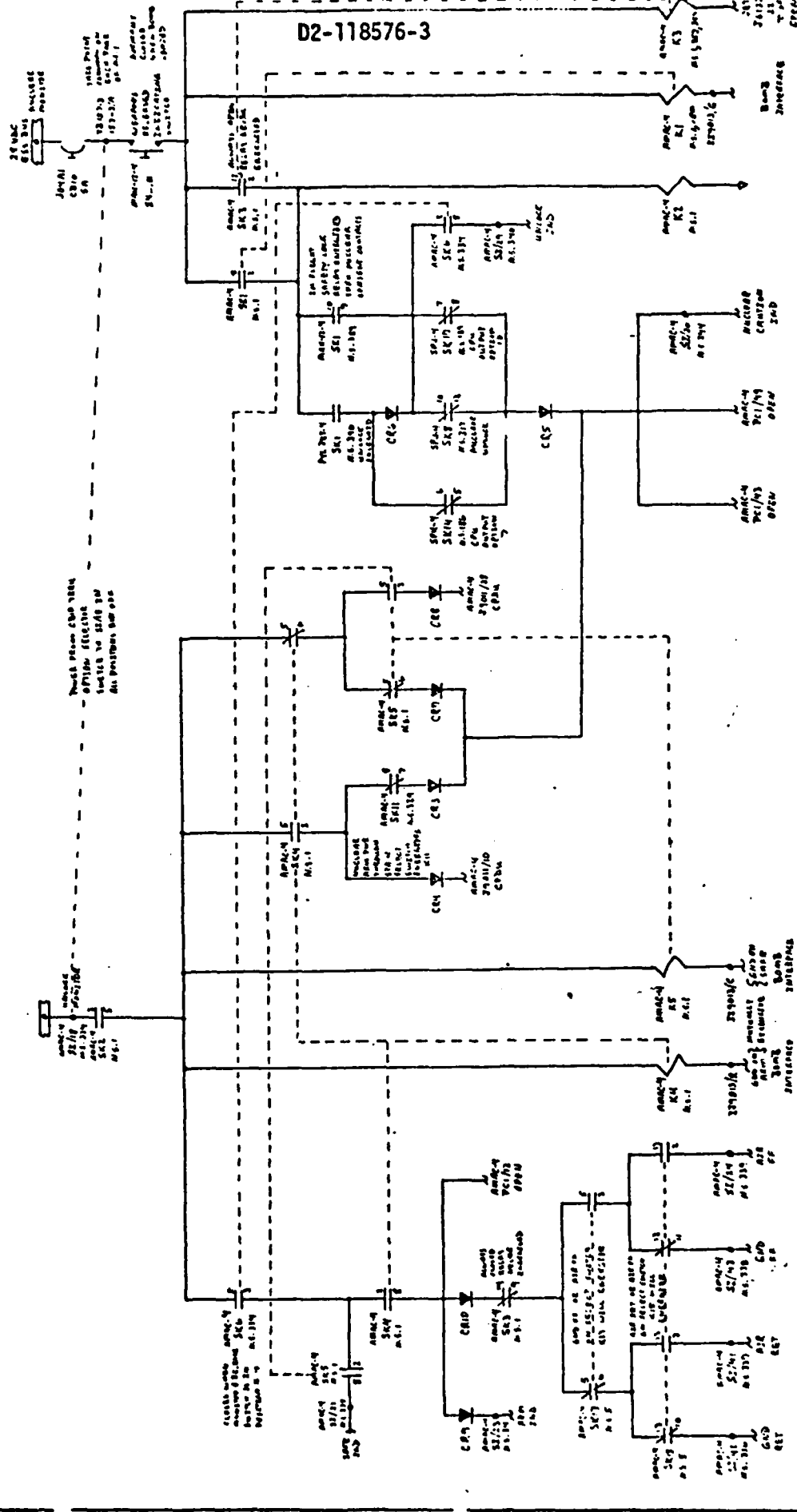
PROJECT	TITLE
FR 111 A	WEAPON STATION ARM / SPCR MONITOR - 3-
PC + 2160	DATE 9-30-75
	ANALYST DATE 9-30-75
	NODAL SET 2-2-75

— EDEIANE
MICHAEL COMPTON • SODIUM

● 研究

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT TITLE

FR111A DATE 9-10-75

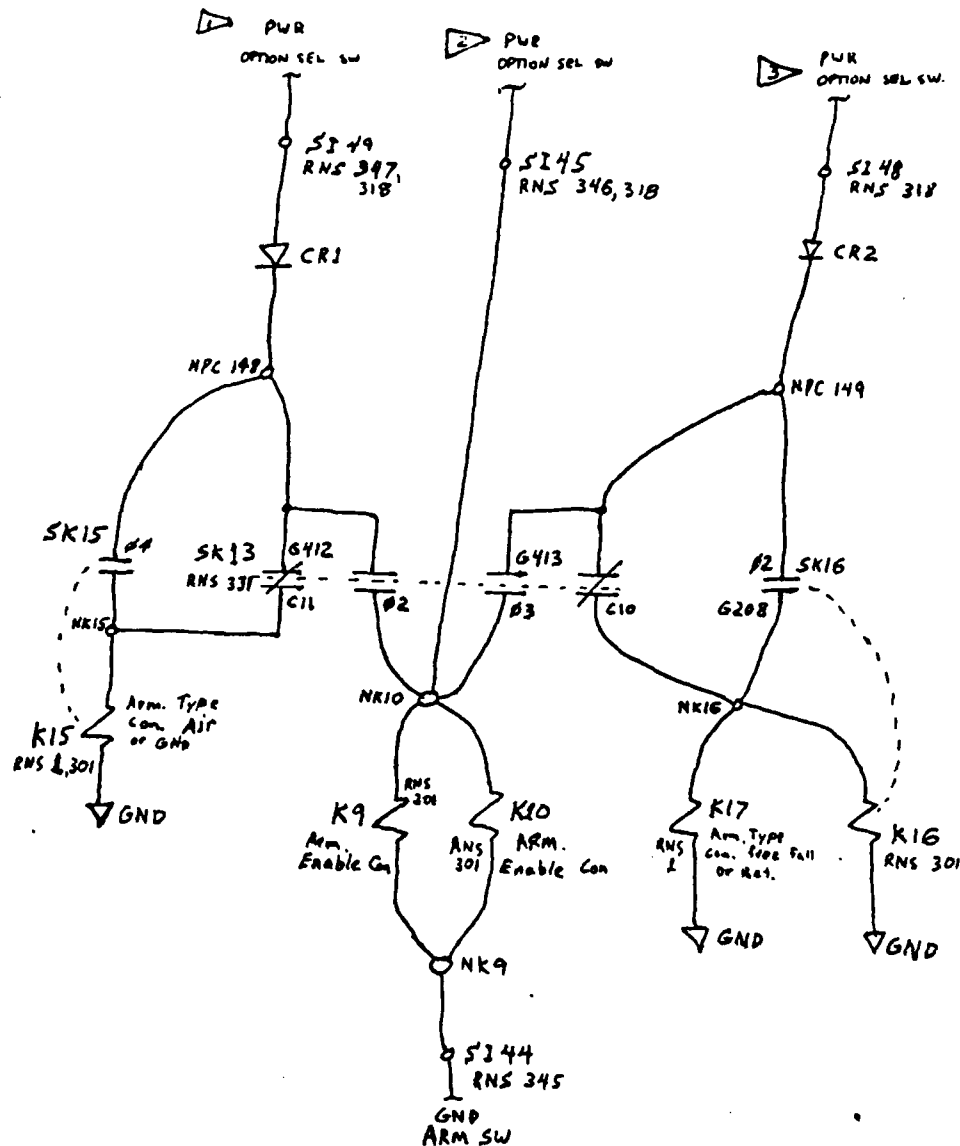
ANALYST DATE 10-1-75

MODAL SET

ID

SNEAK CIRCUITS NETWORK TREE

REV



Ref Des. AMAC-L

- 1 Switched to 28 VDC when OPTION SEL SW is in Air Ret and Air free fall positions, and code sw. is enabled.
- 2 Switched to 28 VDC when OPTION SEL SW is in GND Ret, Air Ret, GND free fall + Air free fall positions, and code sw. is enabled.
- 3 Switched to 28 VDC when OPTION SEL SW is in GND free fall and Air free fall positions and code sw. is enabled.

PROJECT

FB111-A

TITLE

AMAC-L

PC

J. Stokes

DATE

9-25-75

ANALYST

J. Unges

DATE

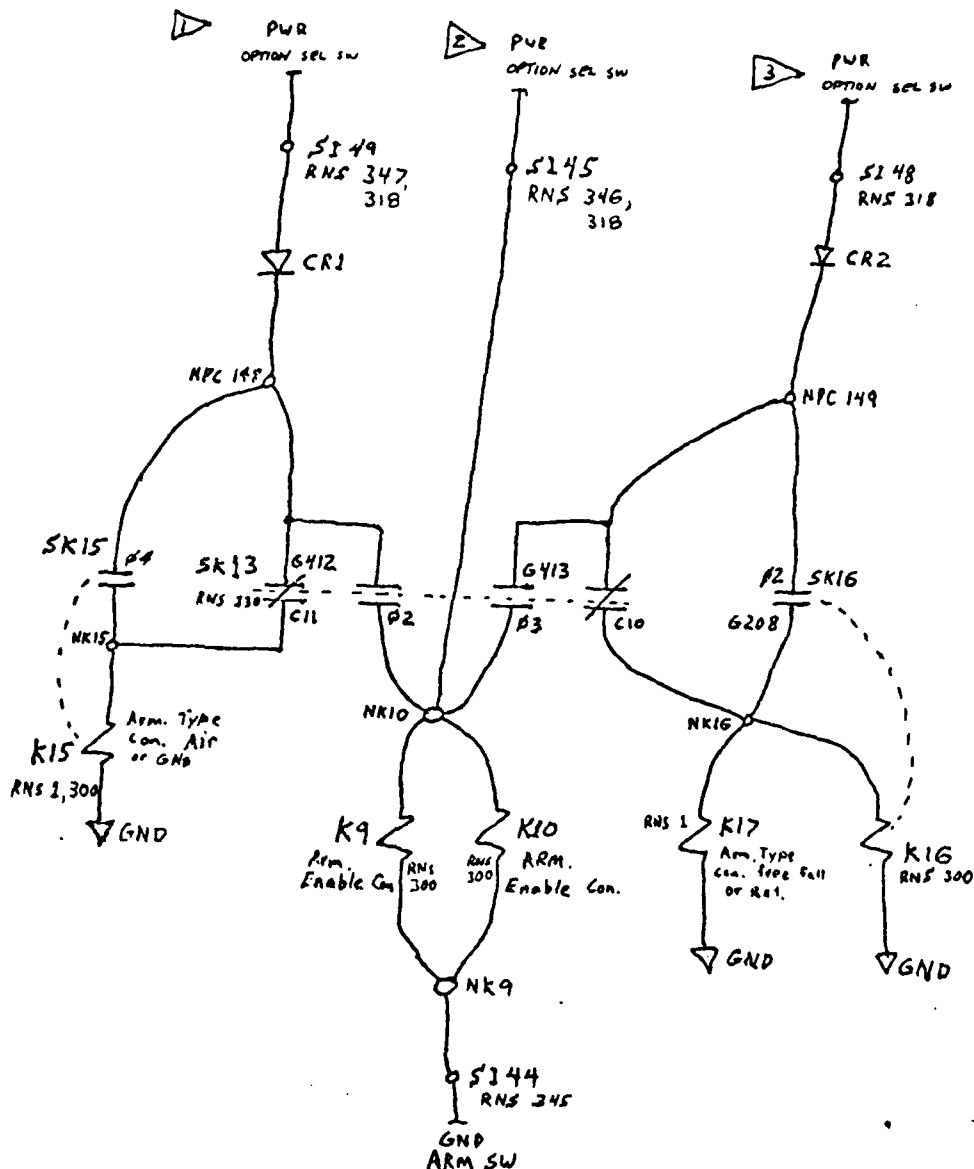
9-15-75

NODAL SET

2

SNEAK CIRCUITS NETWORK TREE

REV



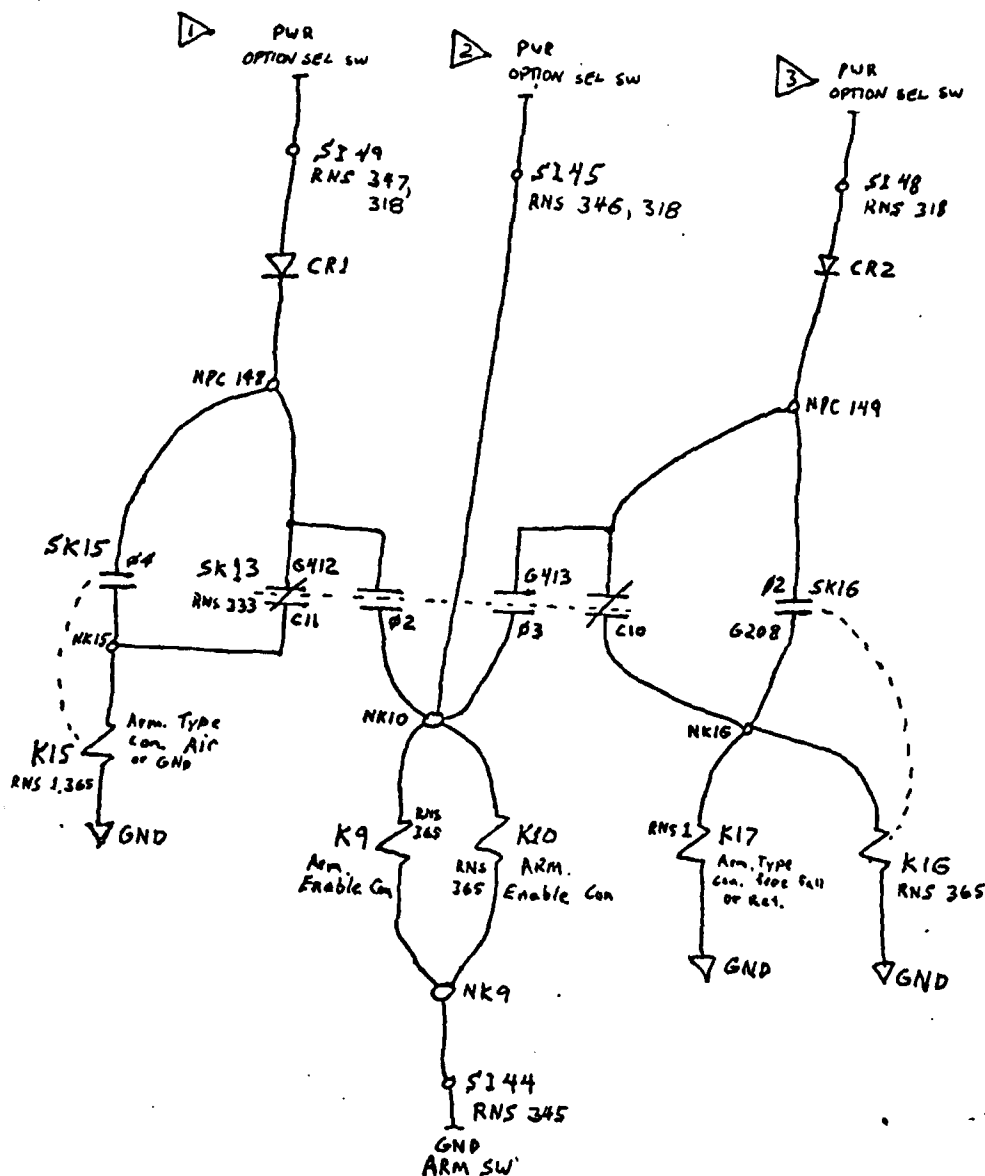
- 1 Switched to 28VDC when OPTION SEL SW is in Air Ret. and Air free fall positions, and code sw. is enabled.
- 2 Switched to 28 VDC when OPTION SEL SW is in GND Ret., Air Ret., GND free fall or Air f.f. positions, and code sw. is enabled.
- 3 Switched to 28 VDC when OPTION SEL SW is in GND free fall and Air free fall position and code sw. is enabled.

Ref. Des. AMAC-R

PROJECT		TITLE		
FB111-A		AMAC-R		
QC	DATE	ANALYST	DATE	NODAL SET
Stokes.	9-25-75	J. Vinger	9-15-75	3

SNEAK CIRCUITS NETWORK TREE

REV



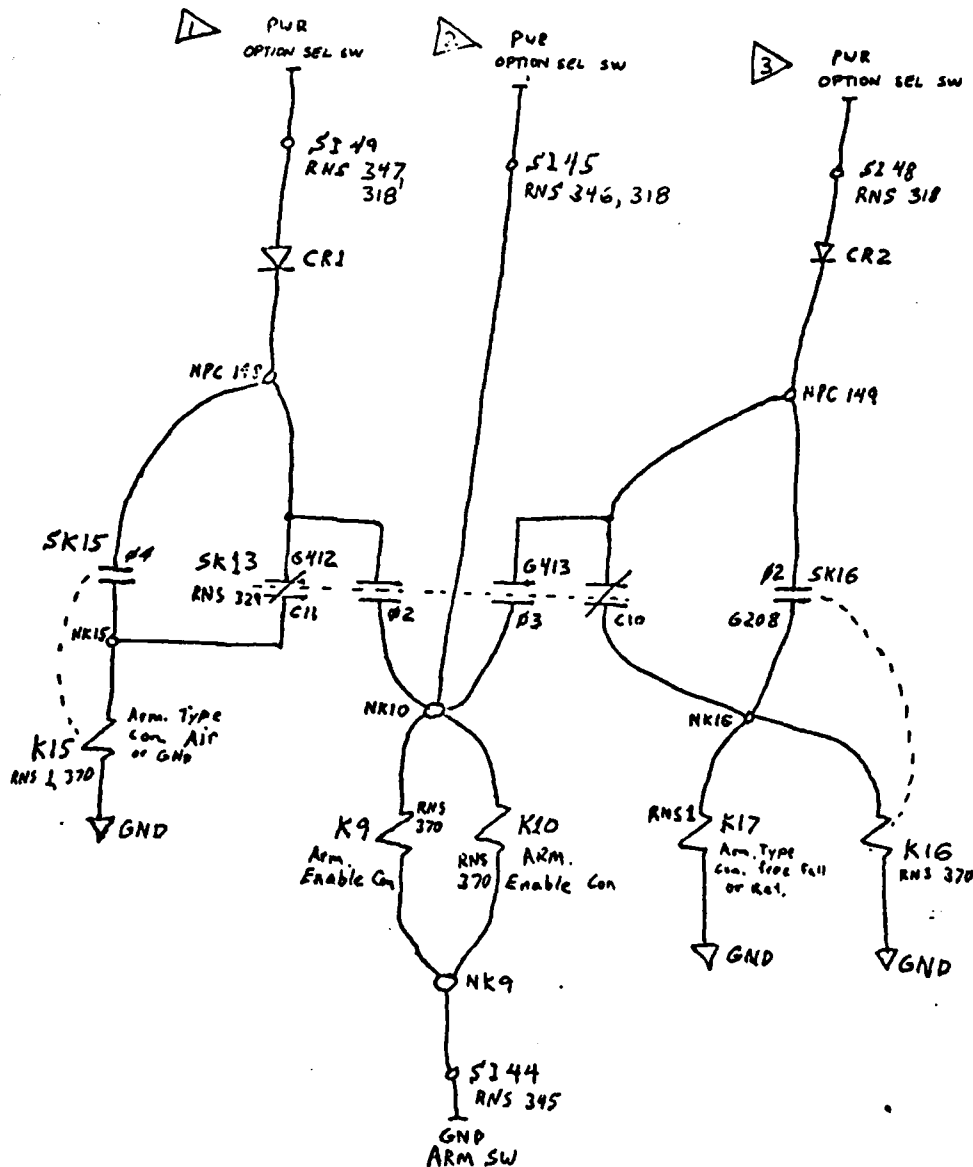
- 1 Switched to 28 VDC when OPTION SEL SW is in Air Ret. and Air free fall positions, and code sw. is enabled.
- 2 Switched to 28 VDC when OPTION SEL SW is in GND Ret. Air Ret. GND Freefall - Air free fall positions, and code sw. is enabled.
- 3 Switched to 28 VDC when OPTION SEL SW is in GND free fall and Air free fall positions and code sw. is enabled.

Ref Des AMAC-3

OBJECT	TITLE	ANALYST	DATE	NODAL SET
FB111-A	AMAC-3	J. V. Jones	9-15-75	4
QC	DATE	ANALYST	DATE	NODAL SET
J. Stokes	9-25-75	J. V. Jones	9-15-75	4

SNEAK CIRCUITS NETWORK TREE

REV



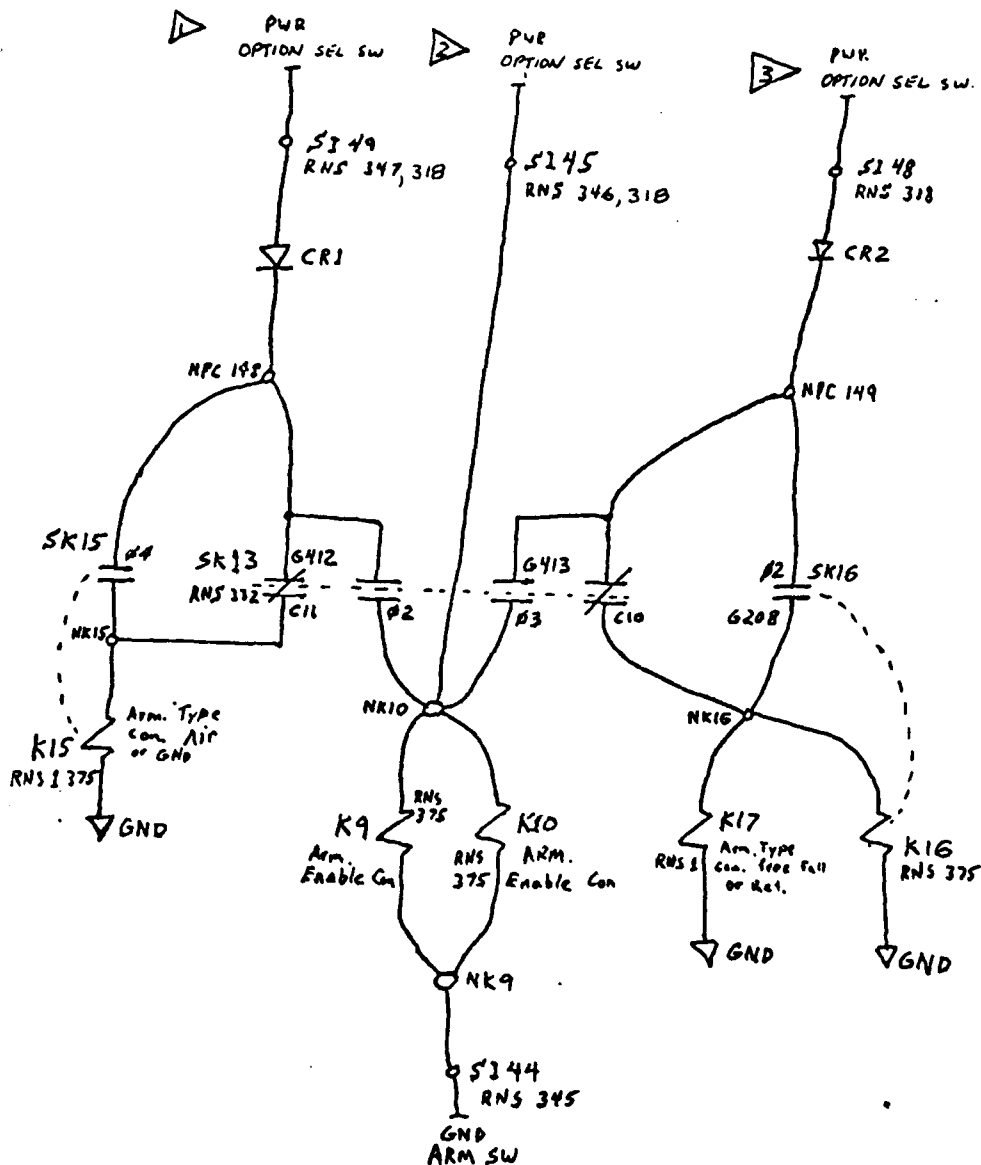
- ▷ Switched to 28VDC when OPTION SEL SW is in Air Ret. and Air free fall positions, and code sw is enabled.
- ▷ Switched to 28VDC when OPTION SEL SW is in GND Ret., Air Ret., GND free fall - Air free fall positions, and code sw. is enabled.
- ▷ Switched to 28VDC when OPTION SEL SW is in GND free fall and Air free fall positions and code sw is enabled.

Ref. Des. AMAC-4

PROJECT	TITLE			
FB111-A	AMAC-4			
QC	DATE	ANALYST	DATE	NODAL SET
Stokes	9-25-75	J. Veng	9-15-75	5

SNEAK CIRCUITS NETWORK TREE

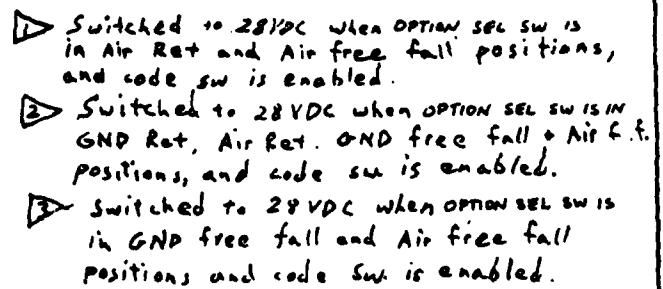
REV



- 1 Switched to 28VDC when OPTION SEL SW is in Air Ret. and Air free fall positions, and code sw is enabled.
- 2 Switched to 28VDC when OPTION SEL SW is in GND Ret. Air Ret. GND free fall + Air free fall positions, and code sw is enabled.
- 3 Switched to 28VDC when OPTION SEL SW is in GND free fall and Air free fall positions and code sw. is enabled.

Ref. Des. AMAC-5

OBJECT	TITLE			
FB111-A	AMAC-5			
QC	DATE	ANALYST	DATE	NODAL SET
Stokes	9-25-75	J. Huges	9-15-75	6



OBJECT		TITLE			
FBI 111-A		AMAC-6			
QC	DATE	ANALYST	DATE	NODAL SET	
J. Stokes	9.25.75	J. V. Jones	9.15.75	7	

SNEAK CIRCUITS NETWORK TREE

REV

BOMB RELEASE TIMER

PWR/TIMR
A6LD51
CAUT LT SET 2/
TIME OUT
265A3

PROJECT

FB-111A

TITLE

INDICATOR - CAUT LT SET 2

QC

DATE

H. H. H. 10/2/75

ANALYST

T. Stokes

DATE

9-16-75

NODAL SET

8

SNEAK CIRCUITS NETWORK TREE

REV

28VDC CAFE
STA ESS BUSC SW SET
CB 11
5A
314A1* CODE ENABLING SWITCH
Z E C A E B U

P10

R Console
Autotransformer
Pwr.
Lighting
Control

P9

K E U G J A L F H

* CODE SWITCH SET CONTROLLER

* Internal circuitry classified

INCLUDES NSets 9 thru 19

OBJECT

FB-111A

TITLE

FAKE BID

QC

DATE

H. H. H. 10/2/75

ANALYST

T. Stokes

DATE

9-18-75

NODAL SET

9A

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SETFAKE BID-
NO INFO ON
CONTROLLER
CIRCUITSJ9/B
CODE SET

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

DATE

9-18-75

NODAL SET

10

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SETFAKE BID-
NO INFO ON
CONTROLLER
CIRCUITSJ9/D
CODE SET

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

DATE

9-18-75

NODAL SET

11

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SETSDSFAKE BID -
NO INFO ON
CONTROLLER
CIRCUITSJ10/Z
CODE SW

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

DATE

9-18-75

NODAL SET

12

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SETSDSFAKE BID -
NO INFO ON
CONTROLLER
CIRCUITSJ10/U
CODE SW

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

DATE

9-18-75

NODAL SET

13

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SETFAKE BID-
NO INFO ON
CONTROLLER
CIRCUITSJ10/C
CODE SW

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

F. Stokes

DATE

9-18-75

NODAL SET

14

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SETFAKE BID-
NO INFO ON
CONTROLLER
CIRCUITSJ9/H
CODE SET

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

F. Stokes

DATE

9-18-75

NODAL SET

15

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SET

5013

FAKE BID -
NO INFO ON
CONTROLLER
CIRCUITS310/A
CODE SW

PROJECT

FB-111A

TITLE

FAKE BID

QC

DATE

ANALYST

DATE

NODAL SET

T. Stokes

9-18-75

16

SNEAK CIRCUITS NETWORK TREE

REV

PWR/ESDC

314A1

50 28VDC

CB11

SA

CONT SW SET

314A1

39/K

CODE SET

NO INFO ON
CONTROLLER
CIRCUITS

PROJECT

FB-111A

TITLE

CONTROLLER POWER

QC

DATE

ANALYST

DATE

NODAL SET

T. Stokes

9-18-75

17

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SET

56

FAKE BID -
NO INFO ON
CONTROLLER
CIRCUITSJ10/b
CODE SW

PROJECT

FB-111A

TITLE

FAKE BID

DC

DATE

ANALYST

P. Stokes

DATE

9-18-75

NODAL SET

18

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CODE SET

0

FAKE BID -
NO INFO ON
CONTROLLER
CIRCUITSJ10/E
CODE SW

PROJECT

FB-111A

TITLE

FAKE BID

CC

DATE

ANALYST

P. Stokes

DATE

9-18-75

NODAL SET

19

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CPDU


(NO NOTES)

J15/32
CPDU

PROJECT

FB-111A

TITLE

CPDU SIGNAL

DATE

11/elt 10/2/75

ANALYST

F. Stokes

DATE

9-18-75

NODAL SET

20

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CPDU


(NO NOTES)

J15/33
CPDU

PROJECT

FB-111A

TITLE

CPDU SIGNAL

DATE

11/elt 10/2/75

ANALYST

F. Stokes

DATE

9-18-75

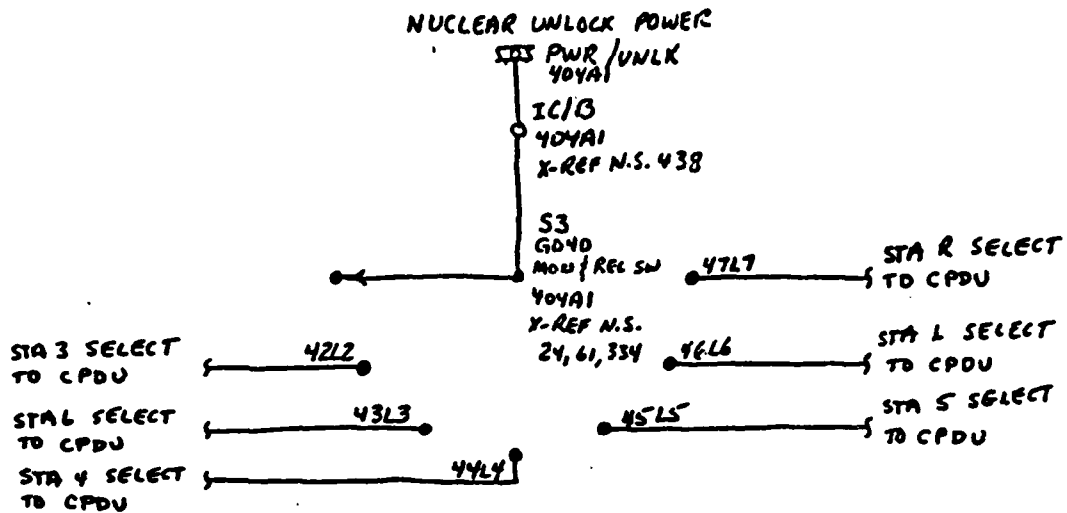
NODAL SET

21

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



SRAM CIRCUITRY

PROJECT

FB-111A

TITLE

STATION SELECT TO CPDU

DATE

1/16/75 10/2/75

ANALYST

T. Stoker

DATE

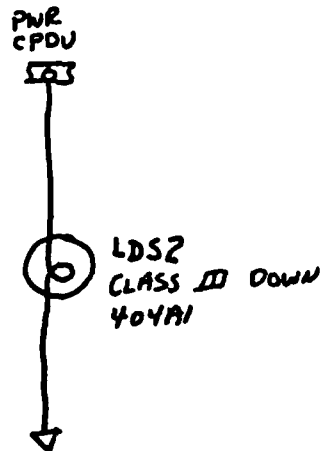
9-18-75

NODAL SET

22

SNEAK CIRCUITS NETWORK TREE

REV



SRAM CIRCUITRY

PROJECT

FB-111A

TITLE

CLASS III DOWN INDICATOR

GC

DATE

1/16/75 10/2/75

ANALYST

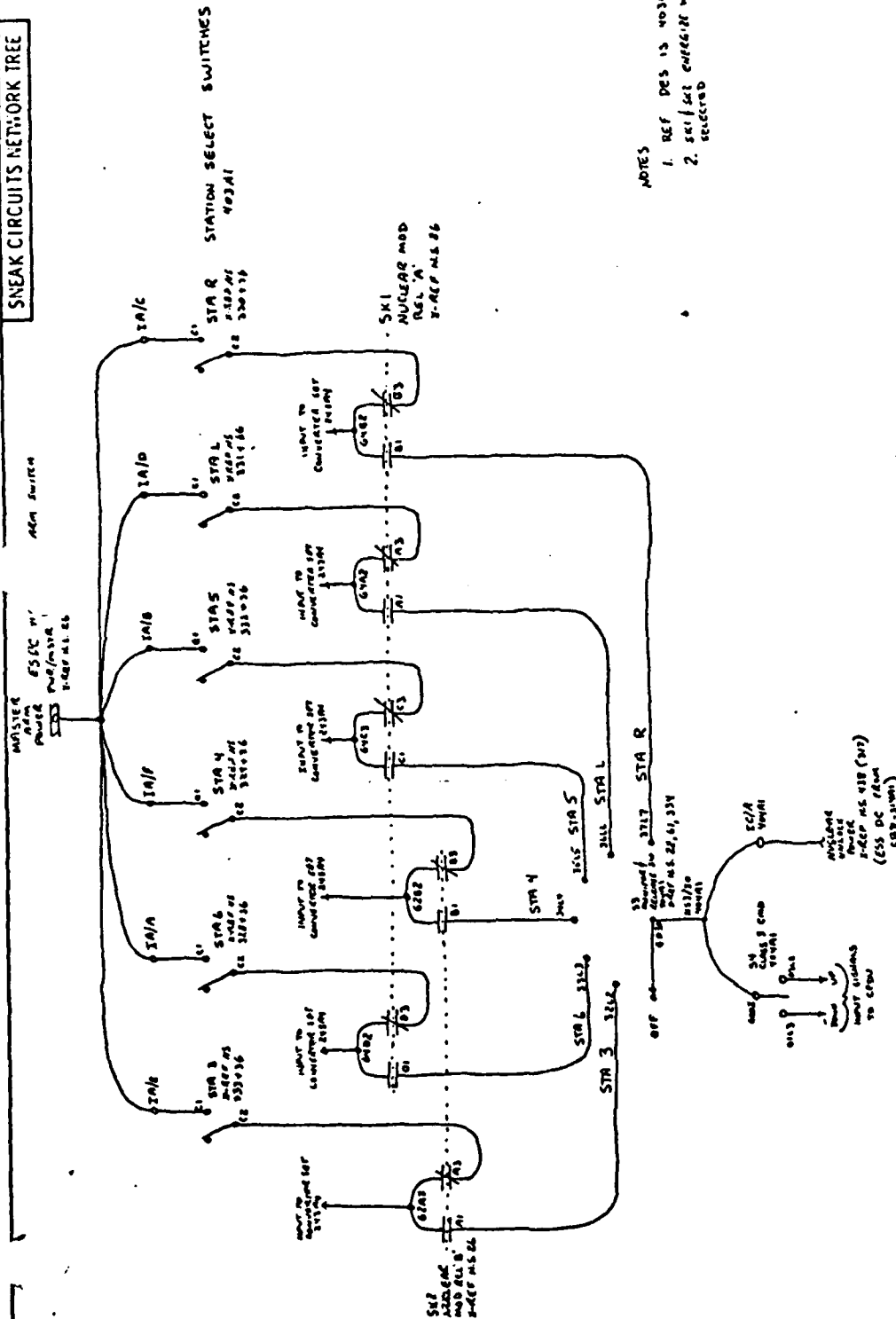
T. Stoker

DATE

9-18-75

NODAL SET

23

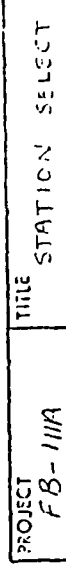


NOTES

1. REF DES IS 403A; UNLESS OTHERWISE SPECIFIED
2. SKI/SKI EQUIPMENT WHEN ALLIED WEAPONS AND

PROJECT FB-111A	TITLE STATION SELECT	ANALYST S. S. S. S.	DATE 9.23.75	NODAL SET 24

THE DOING
ALBROACH COMPANY - HOUSTON, TEXAS



DATE	
TIME	

SNEAK CIRCUITS NETWORK TREE

REV

PWR
CPDU
LDS2
CLASS III UP
404A1

SRAM CIRCUITRY

PROJECT

FB-111A

TITLE

CLASS III UP INDICATOR

QC

DATE

10/2/75

ANALYST

T. Stokes

DATE

9-18-75

NODAL SET

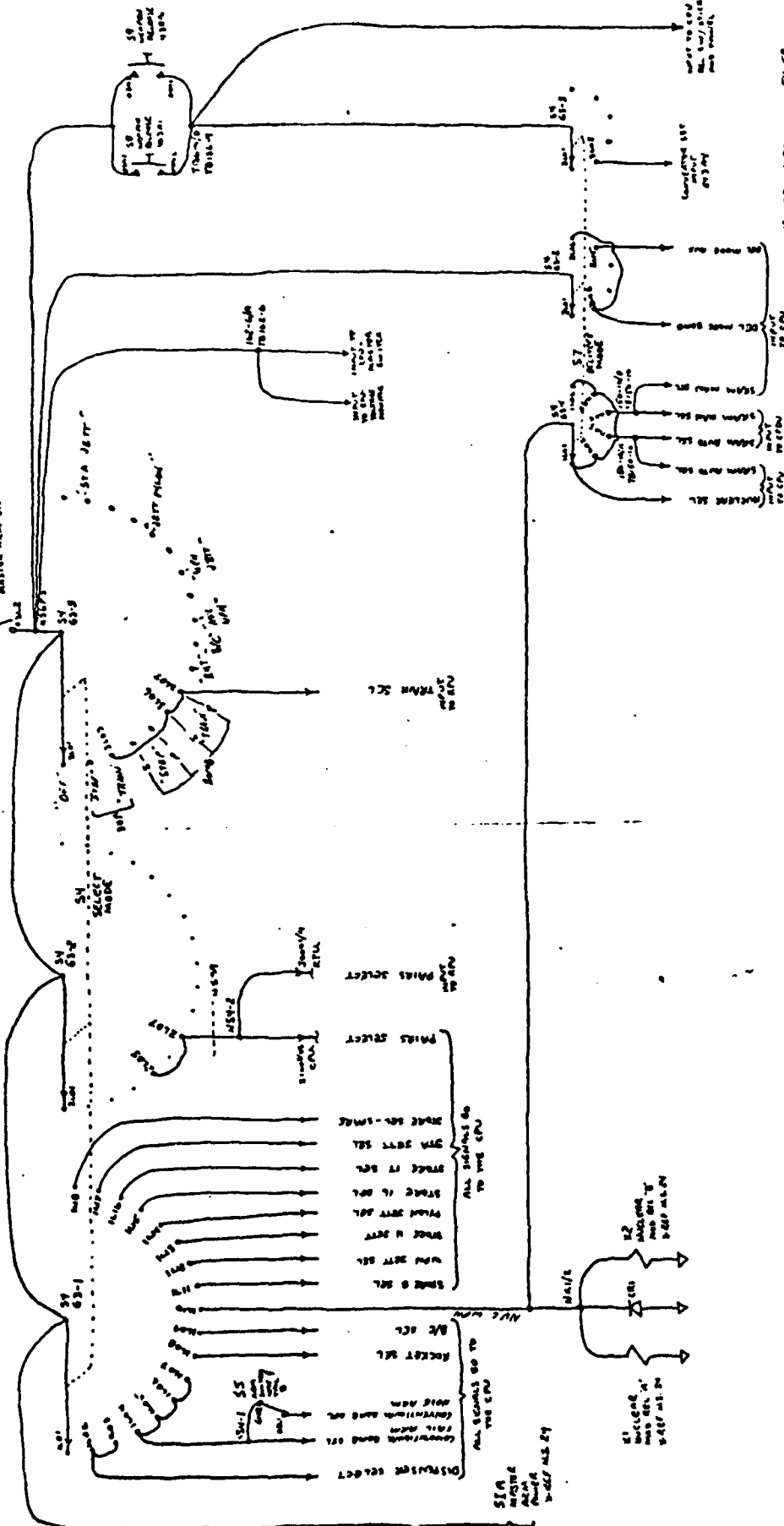
25

SNEAK CIRCUITS NETWORK TREE

REV

28V MISC WIRE CONT #

SKILL (CROSS)
CPU (WIRING) 1/1/72
MLO UP
Relay
24 MISC WIRE CONT #



PROJECT FB-III A

TITLE SELECT / DELIVERY MODE

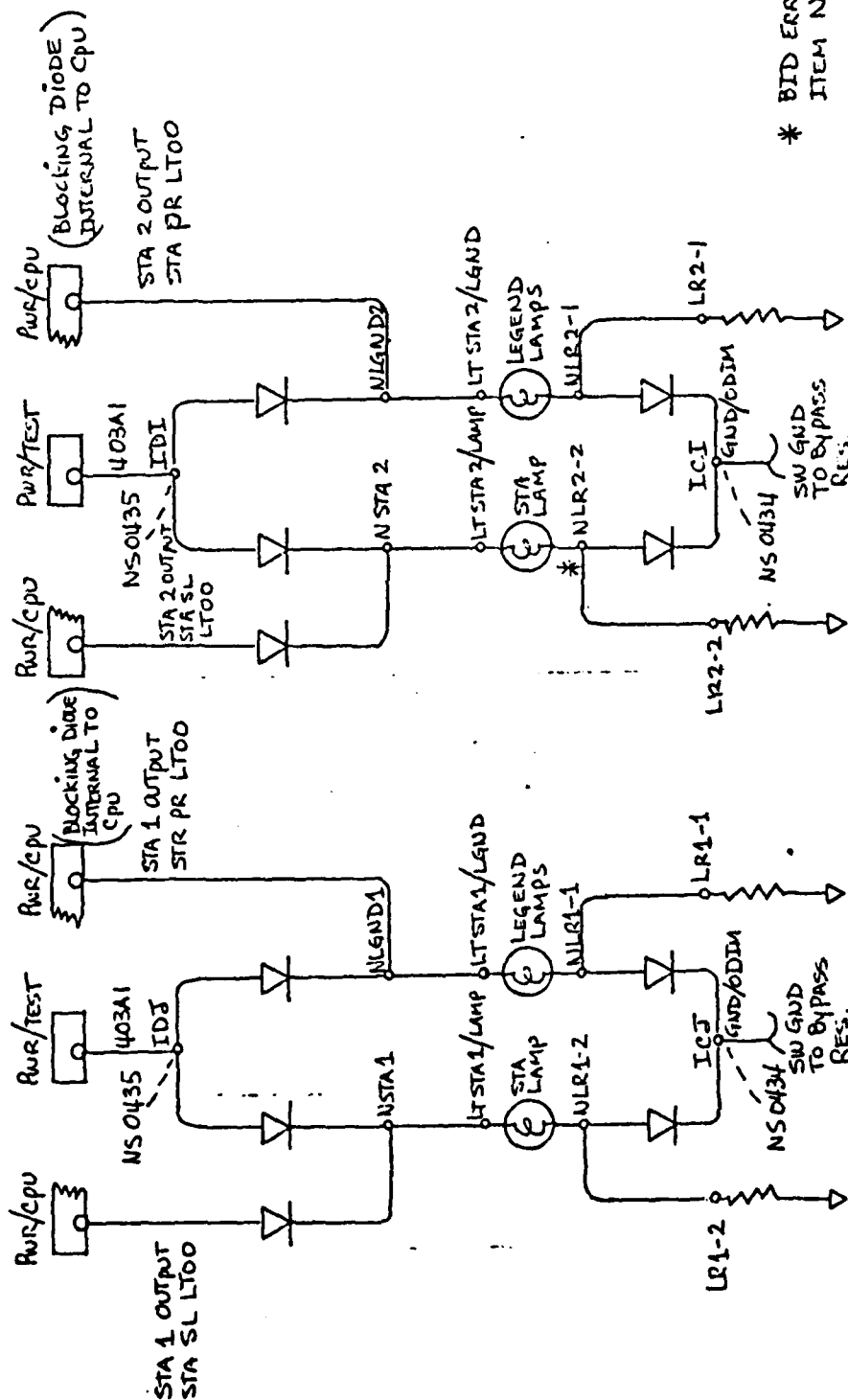
OC 7/1/72 DATE 10/11/72 ANALYST DATE 9-10-75 NODAL SET 26 #

NOTES:
1. 28V MISC WIRE CONT # 28V MISC WIRE CONT #
2. 28V MISC WIRE CONT # 28V MISC WIRE CONT #
3. Skill is controlled by loading Gen.

BOEING

SNEAK CIRCUITS NETWORK TREE

02-118576-3



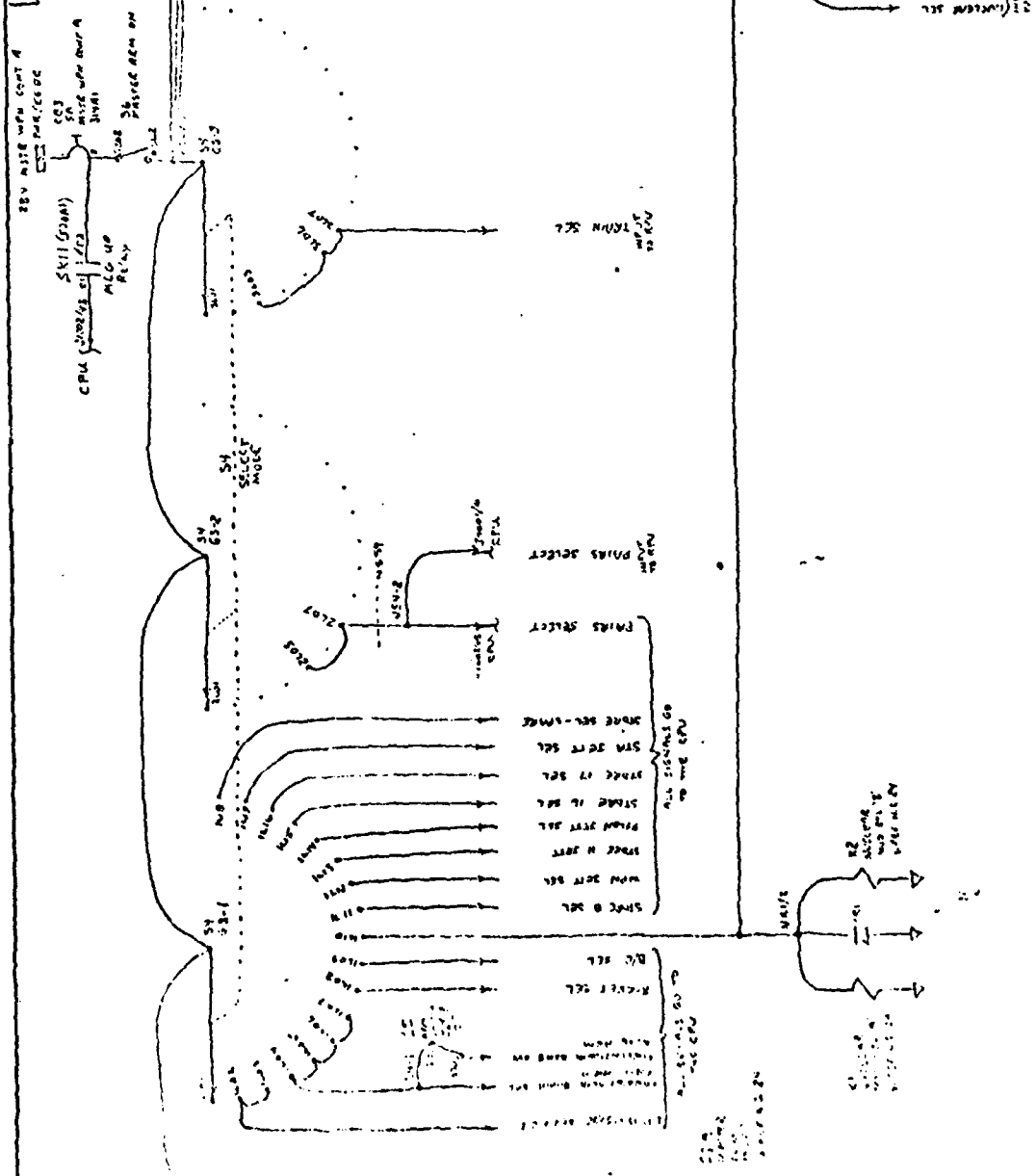
* BID ERROR ON MATRIX REPORT
ITEM NLR2-2.

REF DES IS 90341 UNLESS
STATED OTHERWISE

PROJECT	TITLE	ANALYST	DATE	NOVAL SET
FR111-A	STATION SELECT - STATION 1 & 2	6/16/75	9-25-75	0027

THE BODINE ELECTRONIC COMPANY, HAWAII, HAWAII

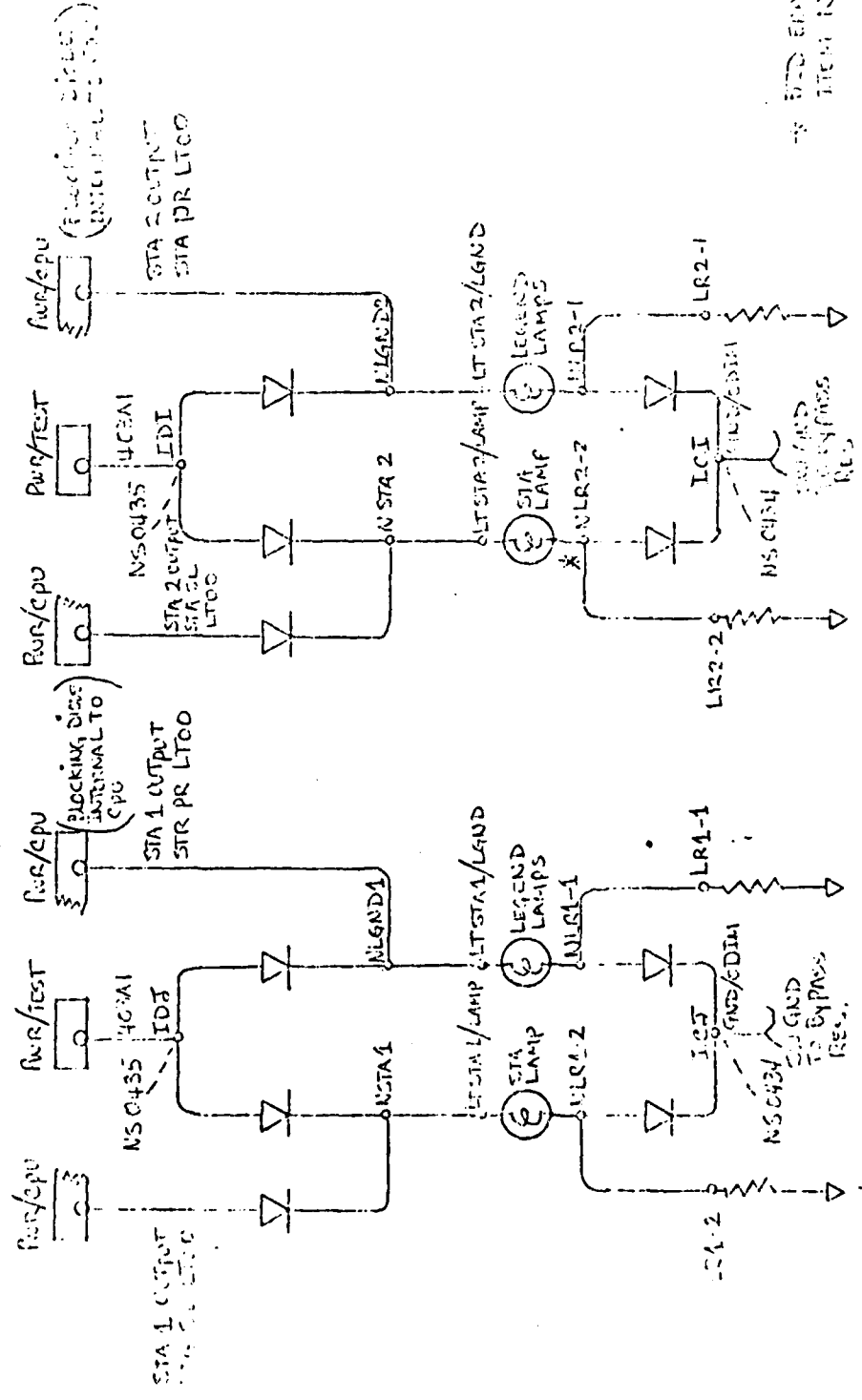
SWEAK CIRCUITS ACTIONX TREE



PROJECT FBI-III A	TITLE SELECT, DELVEYN RODE
GC	DATE
ANALYST W. J. J. J.	DATE 9-12-75
INDEAL 127	INDEAL 127

for 1963 is 4000, which represents more
than 100% increase over the 1962 level.
The 1963 level is 4000, which represents more
than 100% increase over the 1962 level.

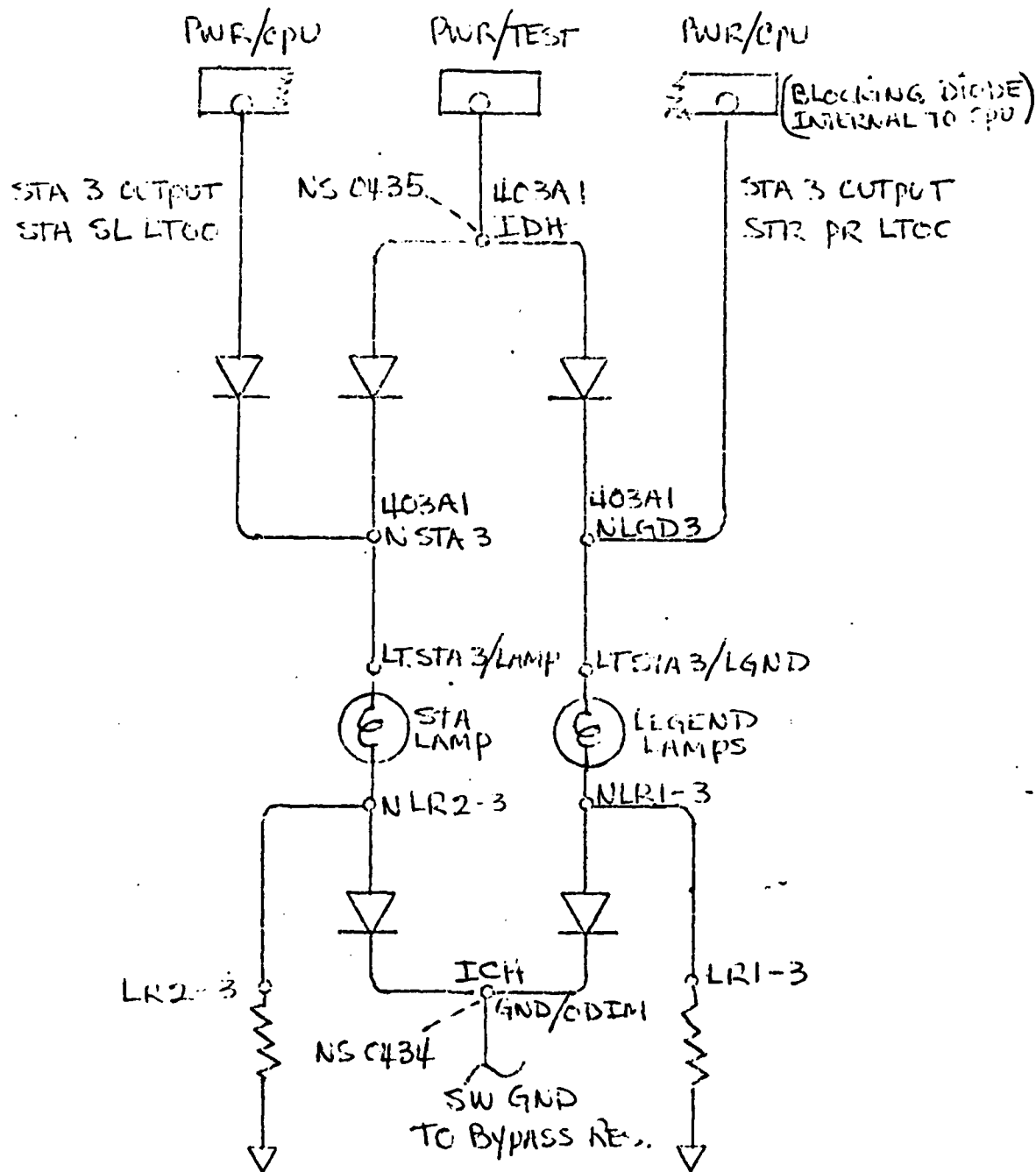
SHOCK CIRCUITS - INTERFACES



REF DES IS VALID UNLESS
OTHERWISE SPECIFIED

PROJECT	TITLE
ER-III-A	STATION SELECT - INTERFACES
QC 8404	DATE 9-25-75
ANALYST	ENGINEER
INCHARGE	

NOT TO SCALE

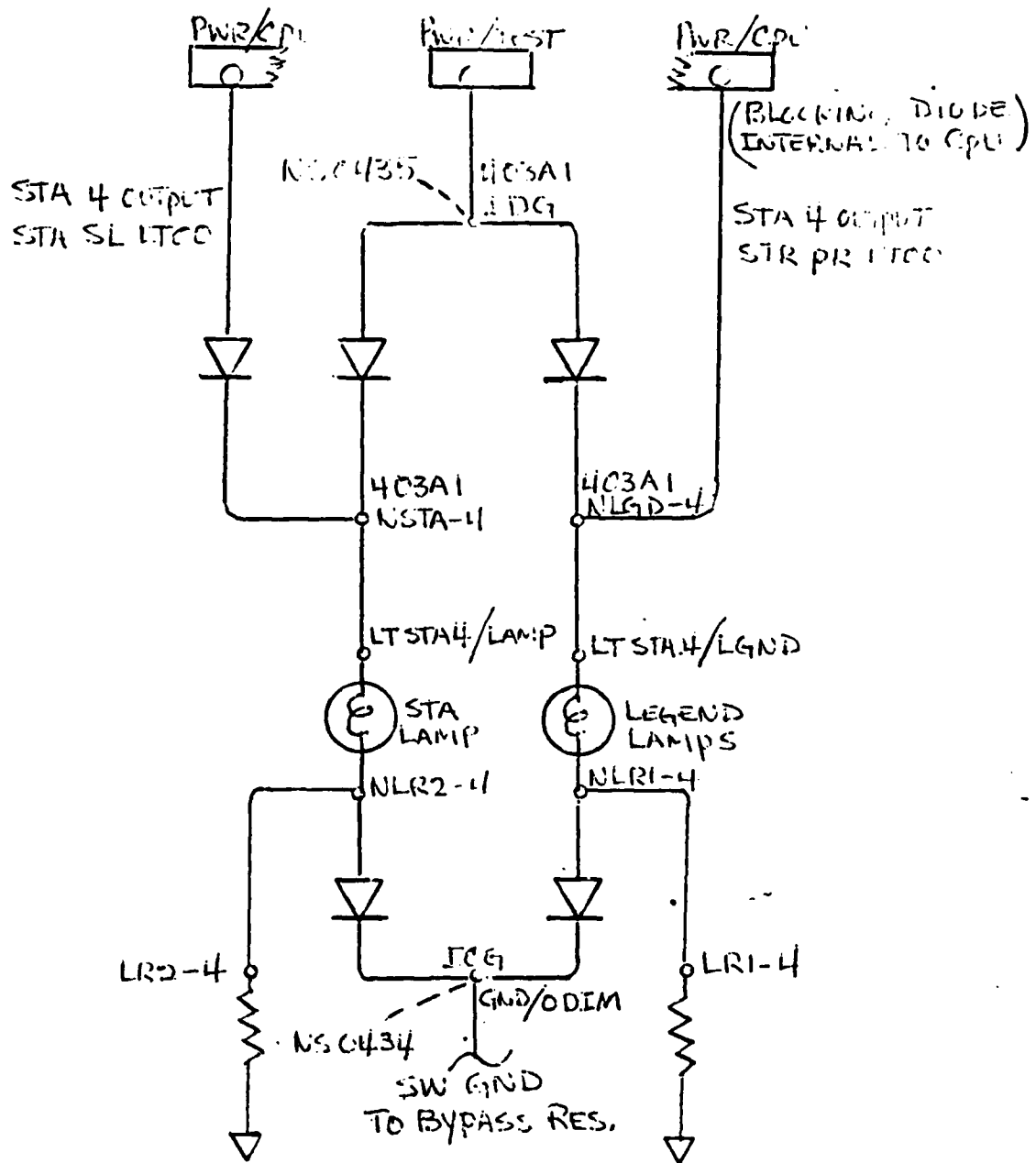


REF DES IS 403A1 UNLESS
SHOWN OTHERWISE

SUBJECT FBIII-A	TITLE STATION SELECT - STATION 3
QC Stokes	DATE 7-25-75
ANALYST P. Val	DATE 9-12-75
NODAL SET 0028	

SNEAK CIRCUITS NETWORK TREE

REV



REF DES IS 403A1 UNLESS
SHOWN OTHERWISE

OBJECT
FB111-A

TITLE
STATION SELECT - STATION 4

QC
Stokes

DATE
9-25-75

ANALYST
P. Valeri

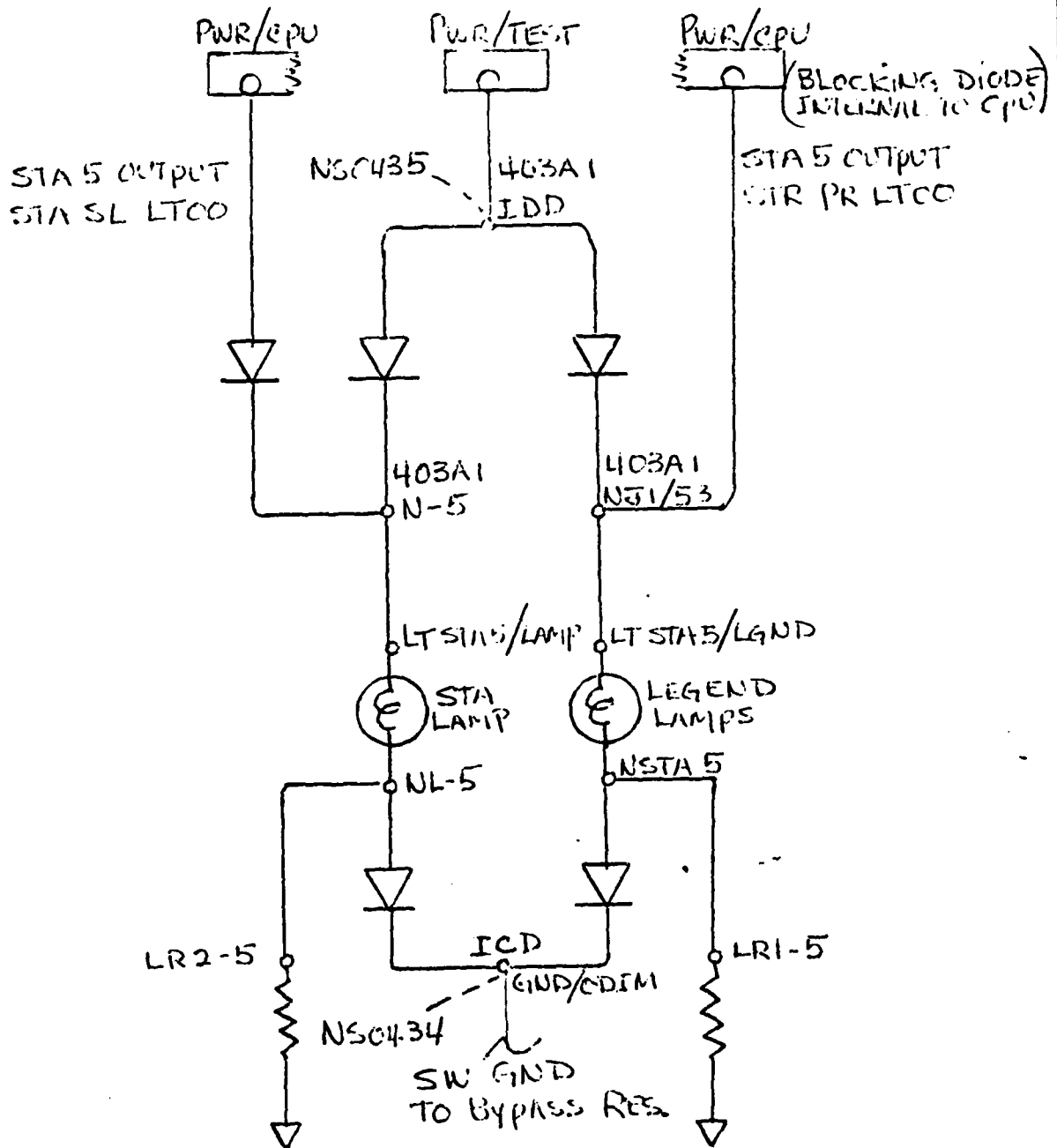
DATE
9-12-75

NODAL SET
C029

D2-118576-3

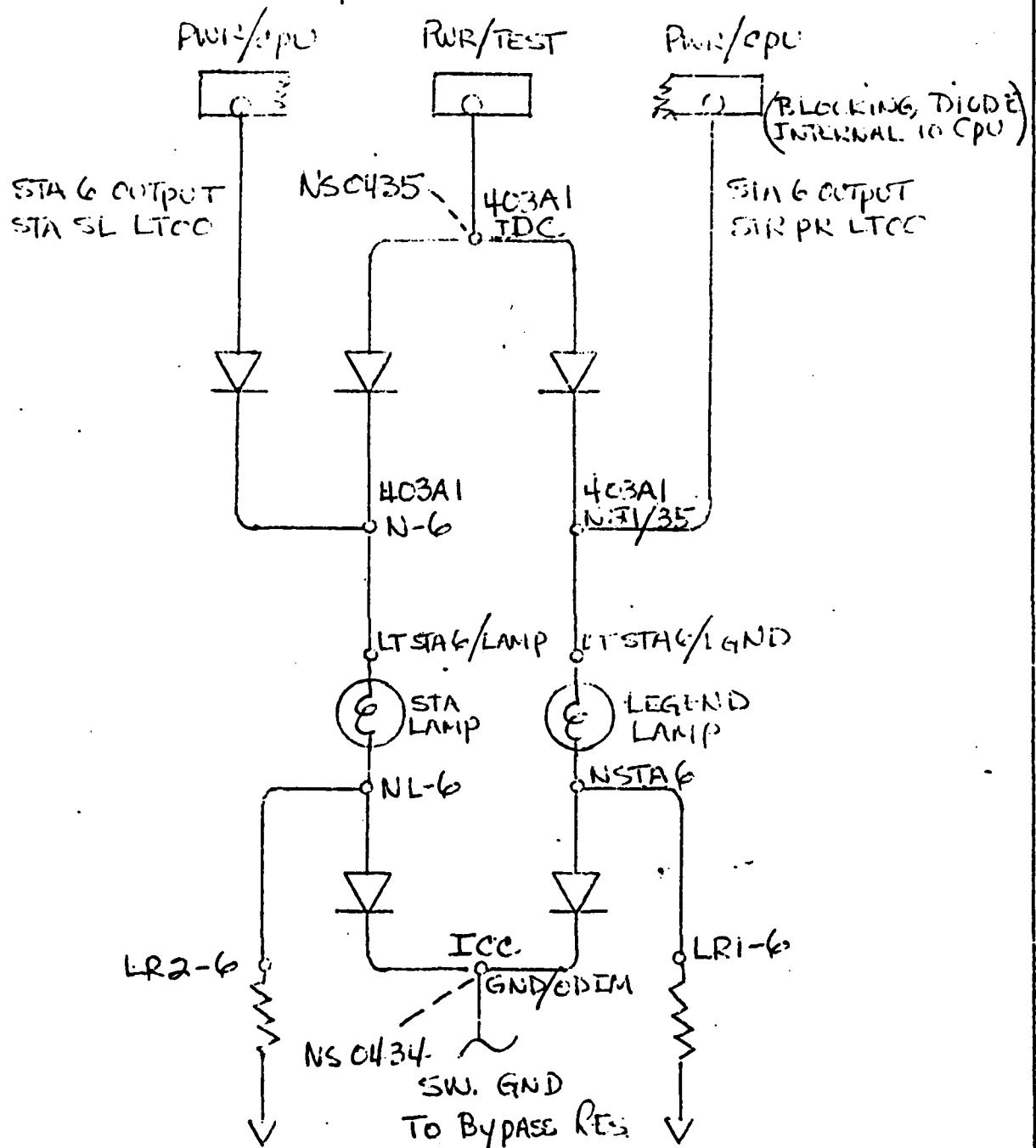
SNEAK CIRCUITS NETWORK TREE

REV



REF DES IS 403A1 UNLESS
SHOWN OTHERWISE.

OBJECT FB III-A		TITLE STATION SELECT-STATION 5	
QC + Stokes	DATE 9-25-75	ANALYST P. Vale	DATE 9-12-75
HOU-205		NODAL SET 0030	



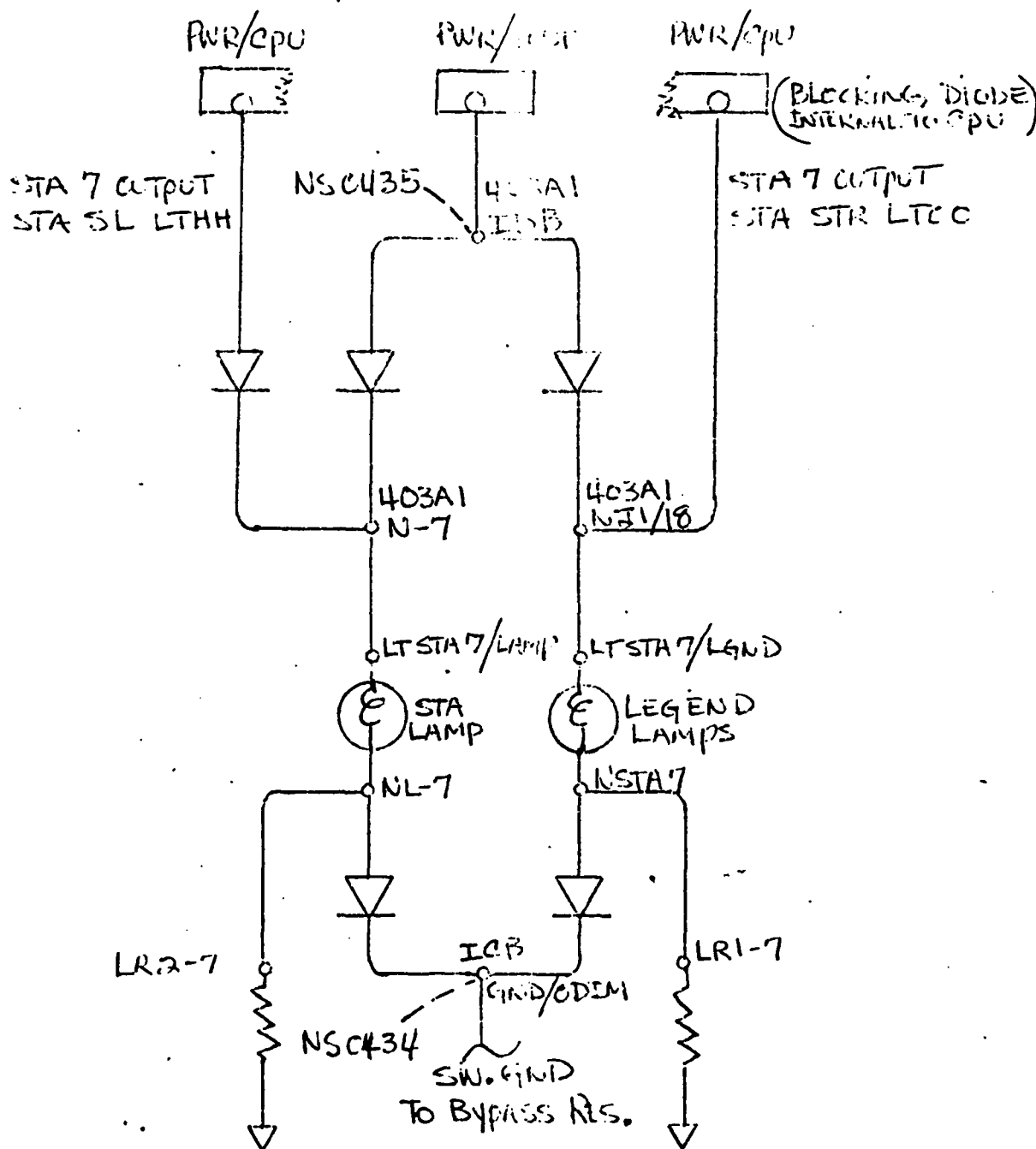
REF DES IS 403A1 UNLESS
SHOWN OTHERWISE

SUBJECT		TITLE	
FB III-A		STATION SELECT-STATION 6	
QC + Stokes	DATE 9-25-75	ANALYST Fovae	DATE 9-12-75
		NODAL SET CC31	

D2-118576-3

SNEAK CIRCUITS NETWORK TEST

REV



REF DES IS 403A1 UNLESS
SHOWN OTHERWISE

JECT
1 B111-A

TITLE
STATION SELECT - STATION 1

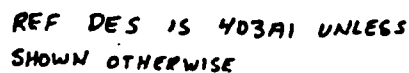
QC
J. Stokes

DATE
9-25-75

ANALYST
P. Valle

DATE
9-12-75

NODAL SET
0032

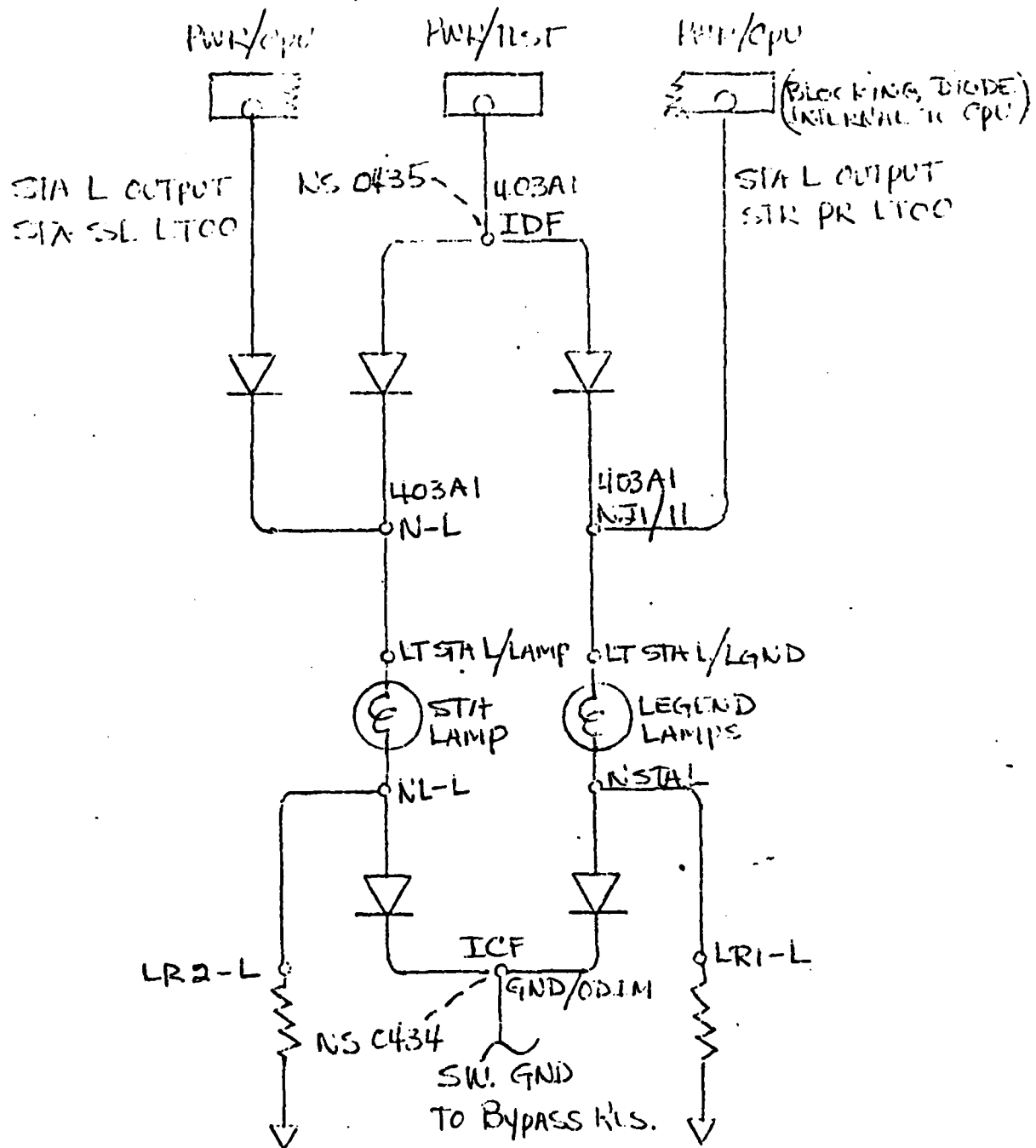


0033

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SNEAK CIRCUITS NETWORK TREE

REV



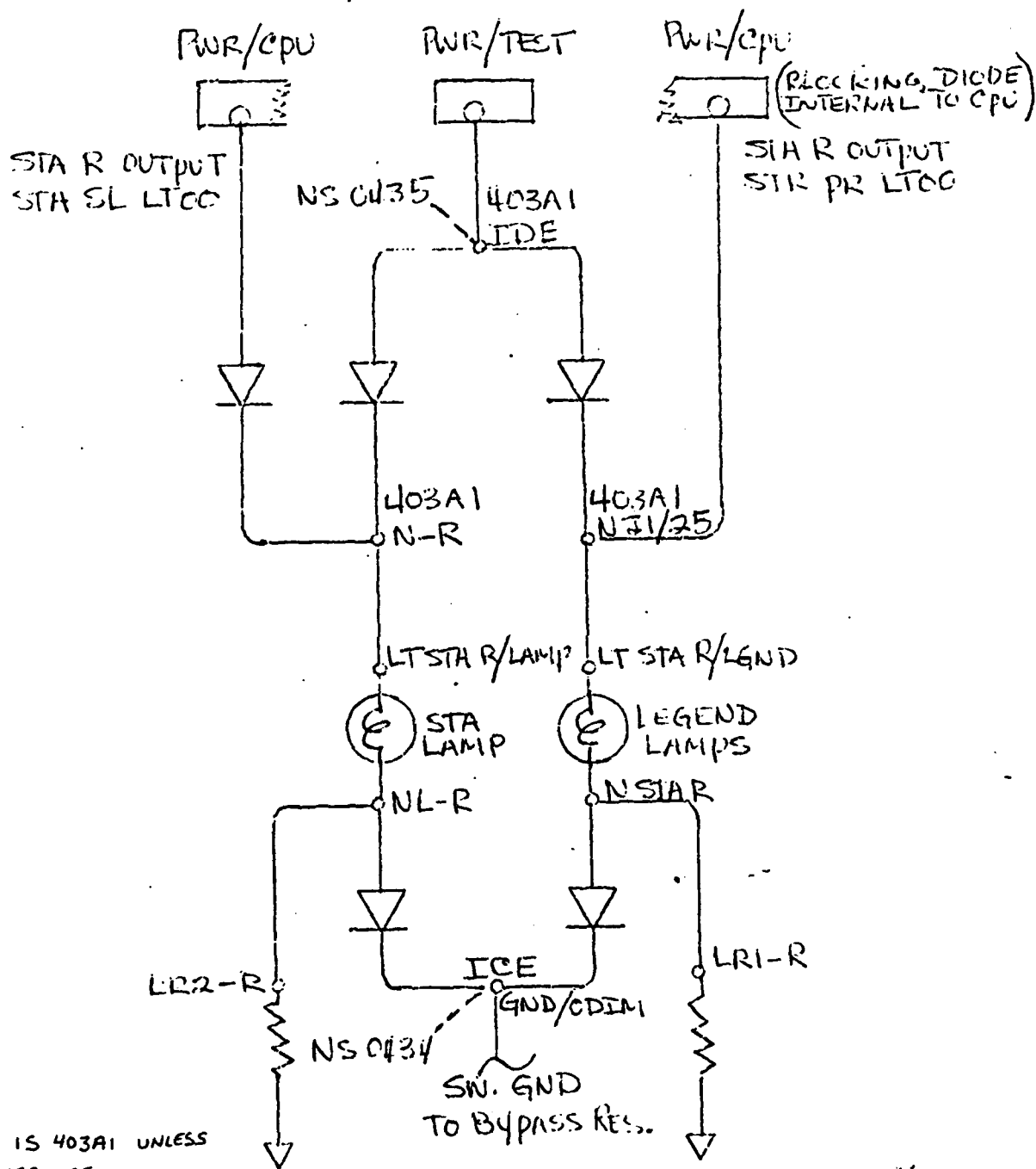
REF DES IS 403A1 UNLESS
SHOWN OTHERWISE

OBJECT		TITLE	
FBIII-A		STATION SELECTION - STATION L	
QC	DATE	ANALYST	DATE
8/2/75	9-25-75	P. Verlo	9-12-75
MODAL SET		CC34	

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

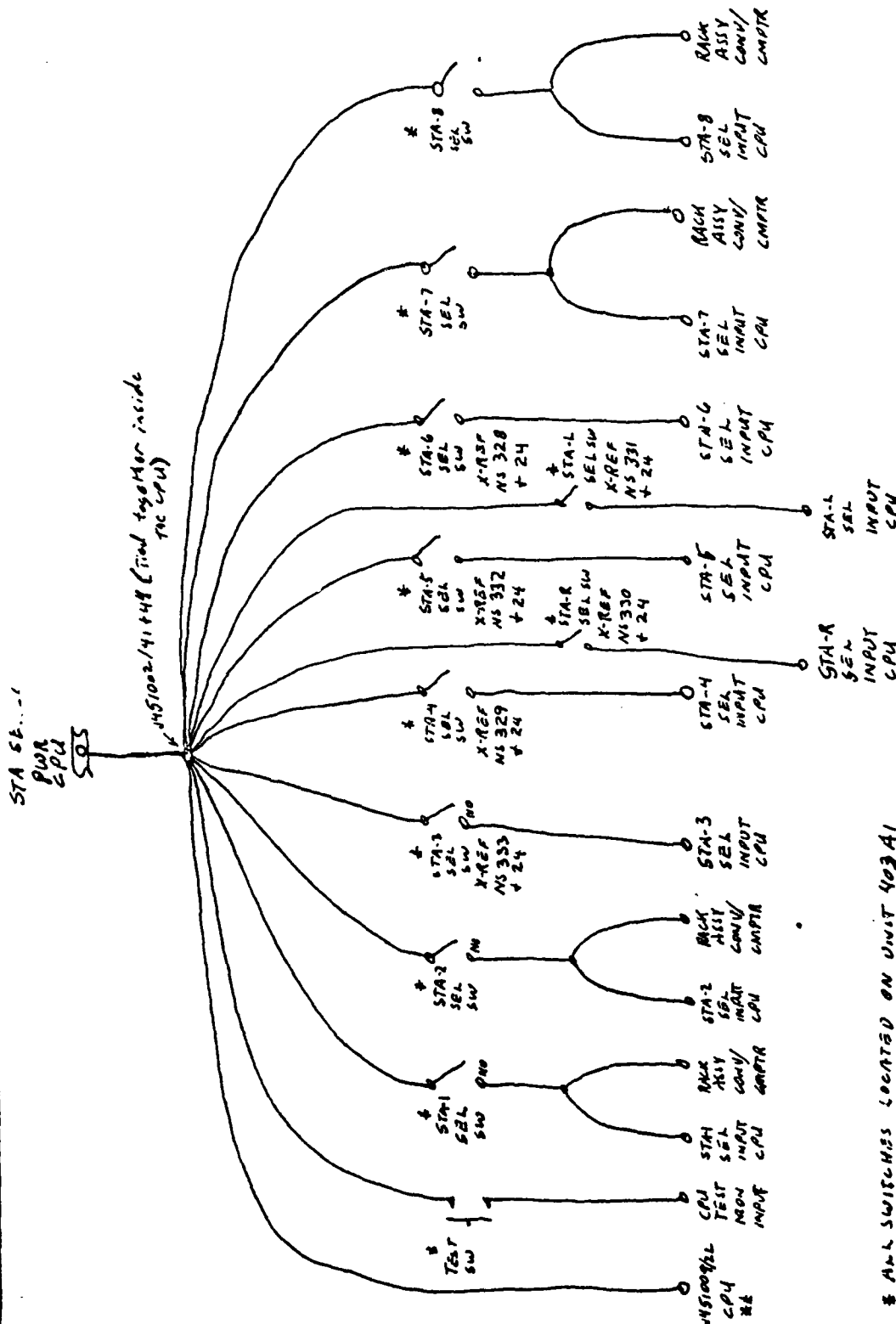


REF DES IS 403A1 UNLESS
SHOWN OTHERWISE

JECT	TITLE		
FBIII-A	STATION SELECTION - STATION R		
QC + Stokes	DATE 9-25-75	ANALYST P. Val 1	DATE 9-12-75
		NODAL SET 0035	

SNEAK CIRCUITS NETWORK TREE

REV



* ALL SWITCHES LOCATED ON UNIT 403A1
STORES CONTROL PANEL

* * JUMPER ADDED WHEN NUCLEAR CONSTANT FUNCTION WAS REROUTED AROUND THE CPU

▷ This network tree includes the following nodes/sets
NS 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 50 & 736

SUBJECT
FB-111A

TITLE
Weapon Station Select

QC

DATE _____

9-25-15

ANALYST

DATE _____

9/25/75

NODAL SET

36 $\triangle$

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

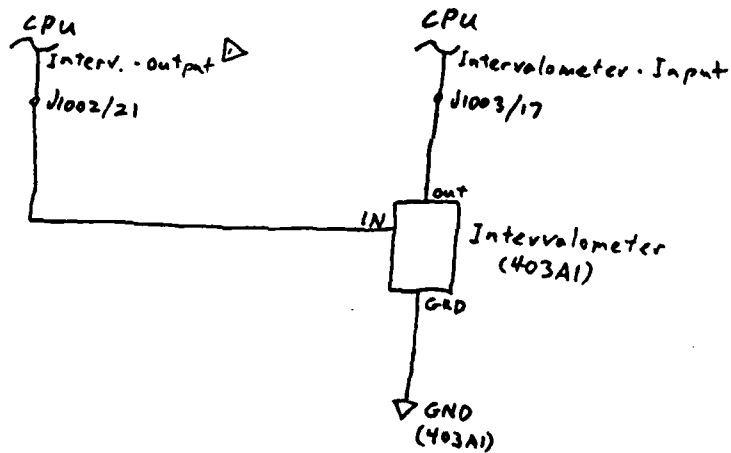
REV

See Nodal set 36

JECT		TITLE		
QC	DATE	ANALYST	DATE	NODAL SET <i>37 thru 46</i>

SNEAK CIRCUITS NETWORK TREE

REV



▷ OUTPUT IS A SERIES OF PULSES (60-40)
WHOSE FREQUENCY IS DETERMINED BY
THE DIAL SETTING OF THE INTERVALOMETER.

* INCLUDES NODAL SET 57

SUBJECT FB111-A		TITLE Intervalometer	
QC P. Stokes	DATE 9-25-75	ANALYST J. Verges	DATE 9-19-75
NODAL SET 47 *			

HOU-705

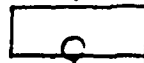
LIDING AEROSPACE COMPANY - HOUSTON, TEXAS C-35

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWIR/CPU



CPU

RELEASE LT-INPUT

J1002/24

265A3

LDS2/1



LDS2

CAUT LT
SET 2/WPN REL

GND

JECT

TITLE

FBIII-A

RELEASE. LT-INPUT, CAUTION LT SET 2/WPN REL.

OF

P. Stokes

DATE

9-25-75

ANALYST

P. V. N. 1. 11-24-75

DATE

11-24-75

NODAL SET

0048

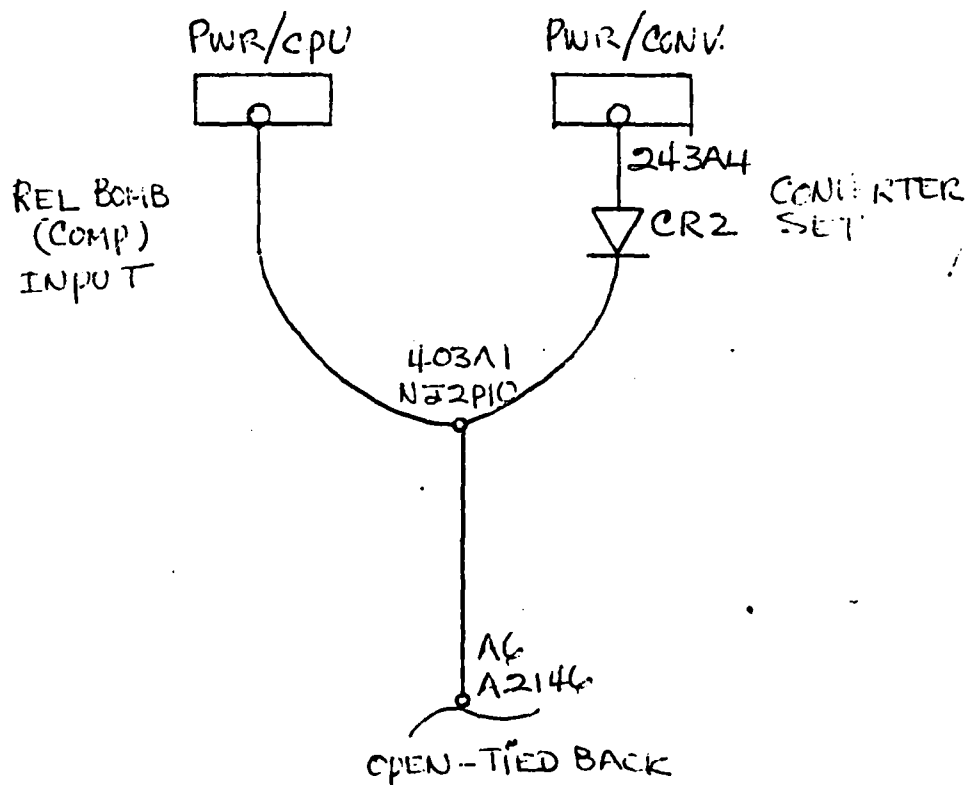
HOU-705

BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS C-36

SNEAK CIRCUITS NETWORK TREE

REV



JECT

TITLE

FBIII-A

REL BOMB COMP INPUT, CONVERTER SET

QC

DATE

ANALYST

DATE

NODAL SET

P. Stokes

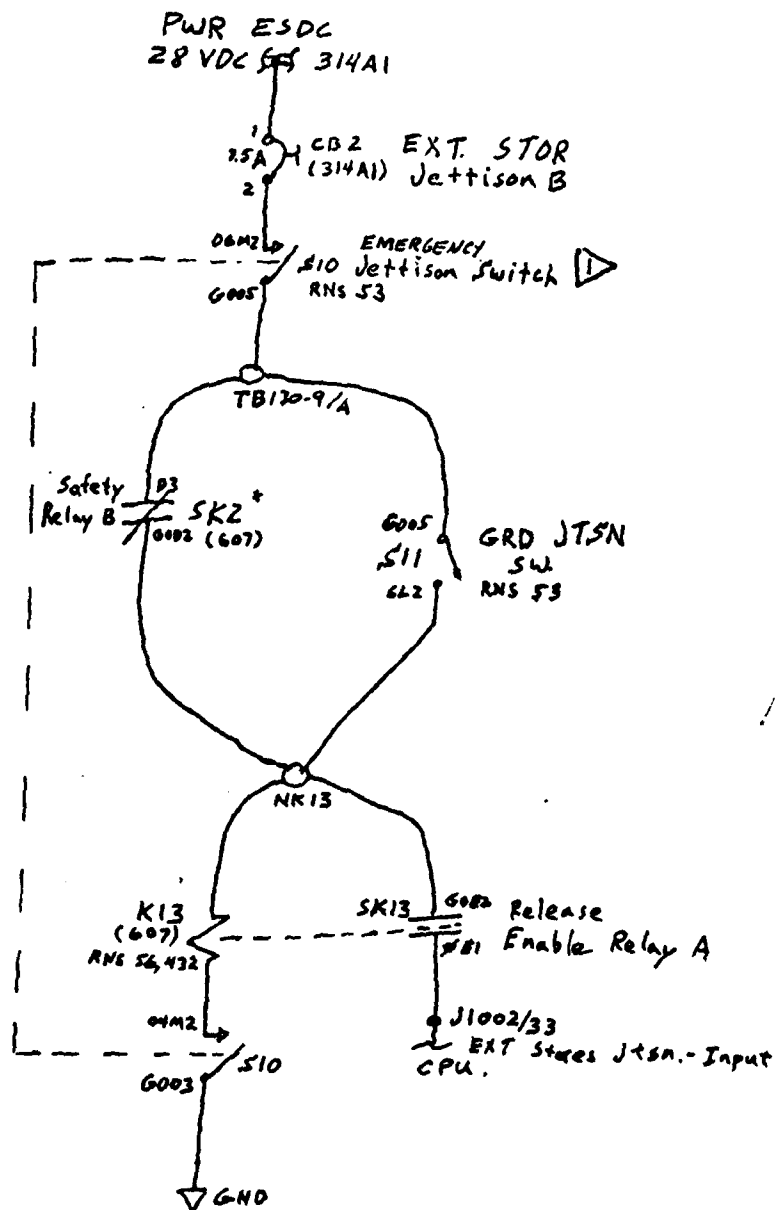
9-25-75

P. Valachi 9-24-75

0049

SNEAK CIRCUITS NETWORK TREE

REV



x Relay Contacts open
when landing gear is out

△ SWITCH NOMENCLATURE DOES
NOT AGREE WITH PANEL
NOMENCLATURE, DER # FB-111A-3

SUBJECT

FB111-A

TITLE

EXT. Stores Jettison B

QC

Stokes

DATE

9-25-75

ANALYST

J. Verges

DATE

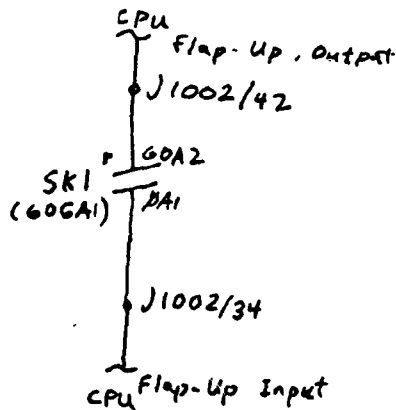
9-16-75

NODAL SET

50

SNEAK CIRCUITS NETWORK TREE

REV



* Relay Contacts close when flaps
are down and sends signal to CPA
to inhibit PYLON Jett. COIL NOT BID.
NO CROSS REFERENCE.

ECT

FB111-A

TITLE

Flap Retract Signal

OF

Paul Stokes

DATE

9.25.75

ANALYST

J. Verges

DATE

9-19-75

NODAL SET

51

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

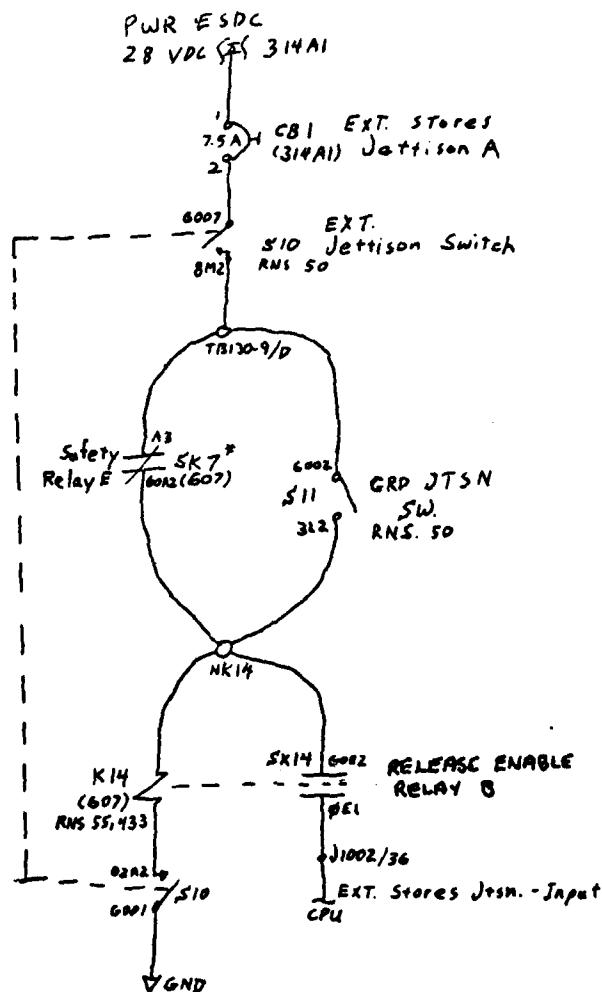
See Nodal Set 60

SUBJECT		TITLE			
FB111-A					
QC	DATE	ANALYST	DATE	NODAL SET	
				52	

D2-118576-3

REV

SNEAK CIRCUITS NETWORK TREE



* Relay Contacts open
when landing Gear is out.

PROJECT

FB111-A

TITLE

EXT. Stores Jettison A

DATE

9-25-75

ANALYST

J. Verges

DATE

9-17-75

NODAL SET

53

HOU-205

AEROSPACE COMPANY - HOUSTON, TEXAS C-41

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 26

PROJECT

FB111-A

TITLE

DATE

ANALYST

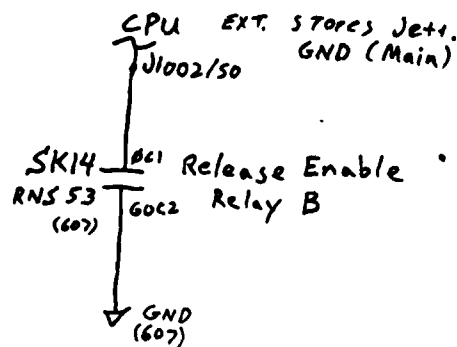
DATE

NODAL SET

54

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

EXT. Stores Jett. GND (Main)

QC

DATE

9-25-75

ANALYST

J. Vergas

DATE

9-19-75

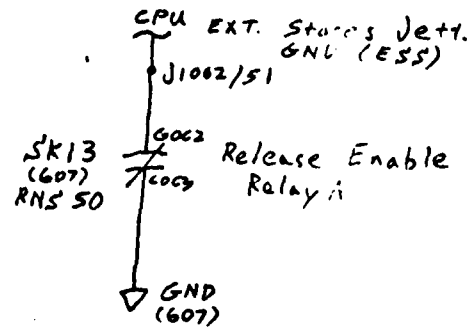
NODAL SET

55

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT	TITLE		
FB111-A	EXT. Stores Jett GND (ESS)		
OC	DATE	ANALYST	DATE
P. Stokes	9-25-75	J. Verjes	9-19-75
NODAL SET			56

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 47.

PROJECT	TITLE		
FB111-A			
OC	DATE	ANALYST	DATE
NODAL SET			57

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 36

PROJECT <i>FB-111A</i>		TITLE		
QC	DATE	ANALYST	DATE	NODAL SET <i>58</i>

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-44

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 26

OBJECT

FB-III A

TITLE

Pairs Selects

QC

DATE

ANALYSIS

m. Smith

DATE

9/17/75

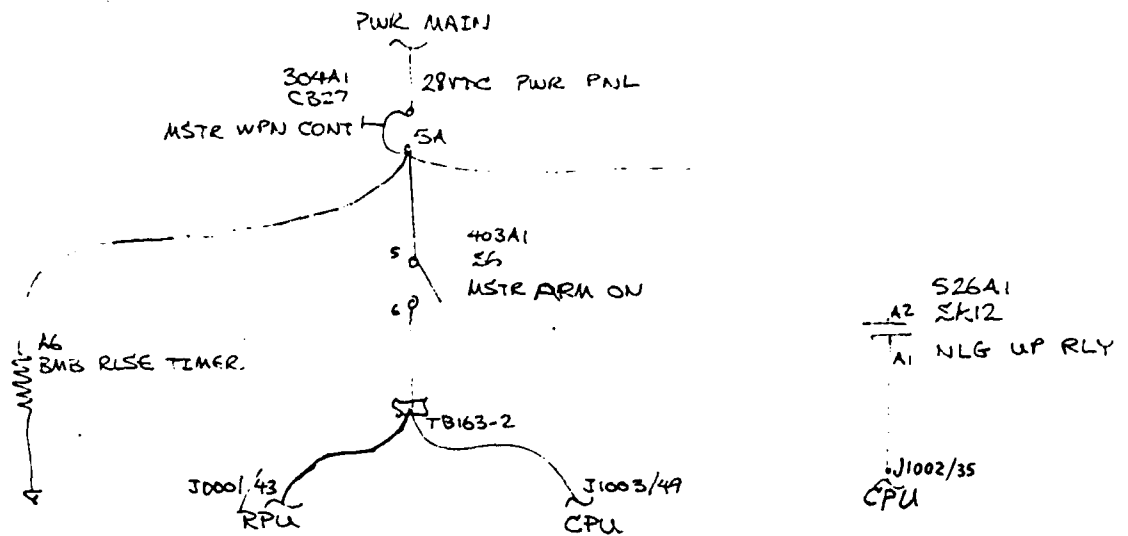
NODAL SET

39

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



NO CROSS REFERENCES

*INCLUDES NODAL SET 52

PROJECT

TITLE

FB-111A

MSTR WPN CONT

DATE

ANALYST

DATE

NODAL SET

P. Stokes

9-25-75

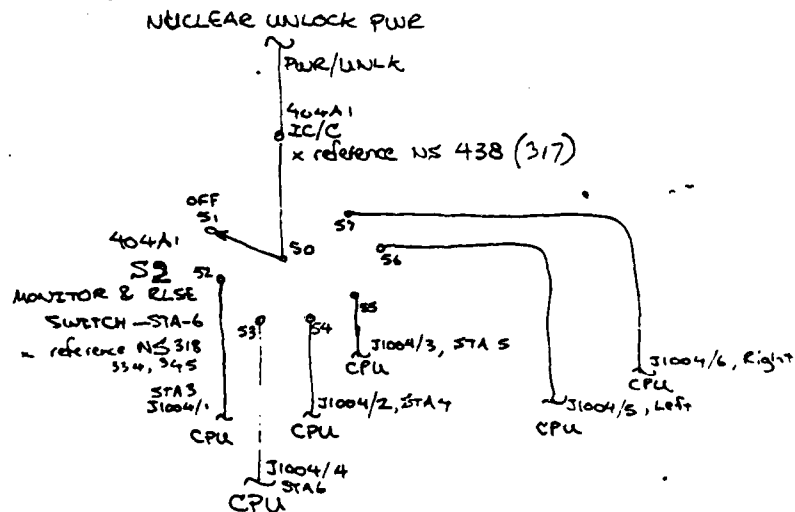
M. Barnett

9/17/75

60 *

SNEAK CIRCUITS NETWORK TREE

REV



*INCLUDES NODAL SETS 62 & 63

PROJECT

TITLE

FB-111A

MONITOR & RLSE SW - PWR. TO CPU

QC

DATE

ANALYST

DATE

NODAL SET

P. Stokes

9-25-75

M. Barnett

9/17/75

61 *

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 61

PROJECT

FB-111A

TITLE

DATE

ANALYST

DATE

NODAL SET

62

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 61

PROJECT

FB-111A

TITLE

GC

DATE

ANALYST

DATE

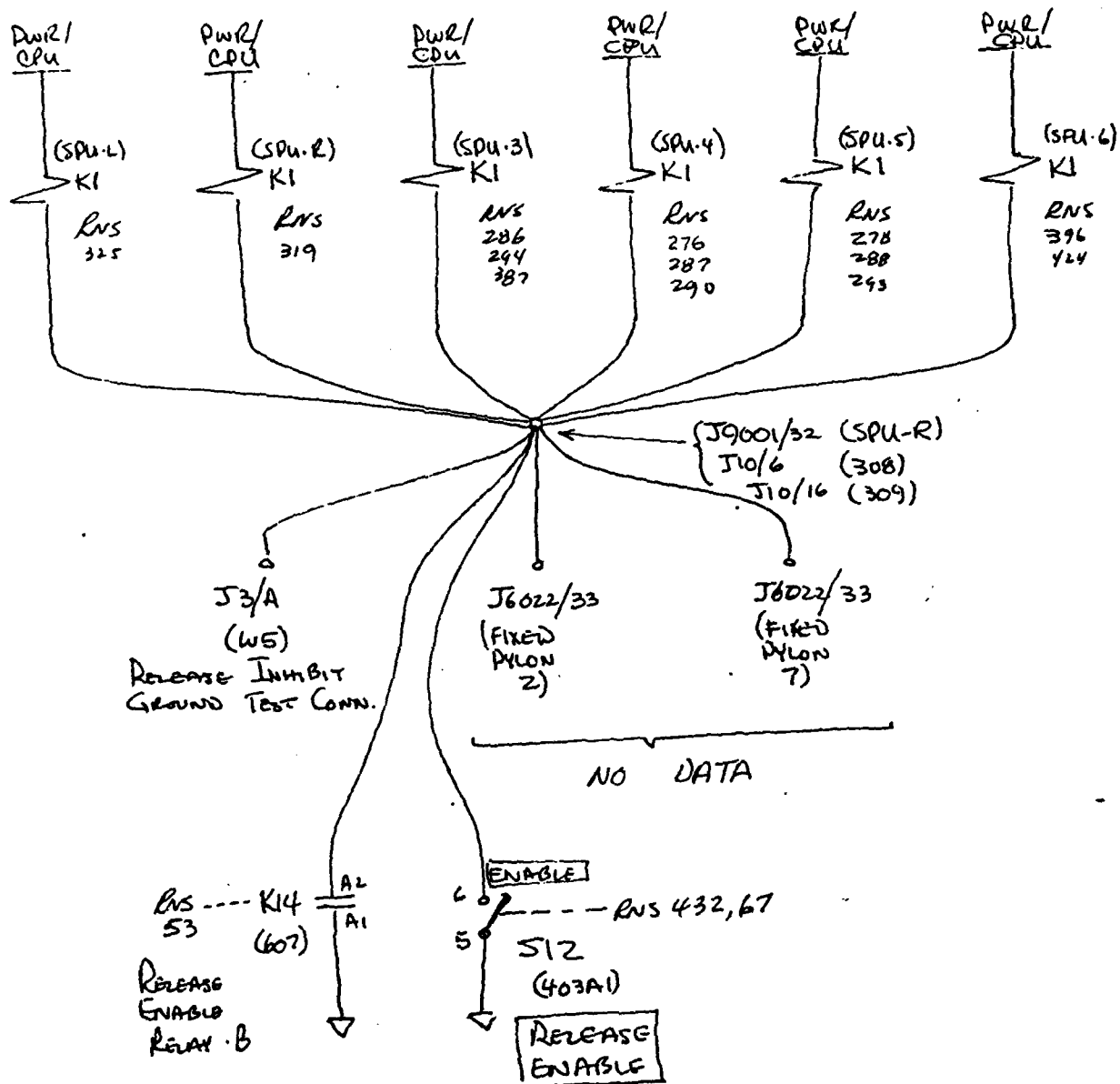
NODAL SET

63

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

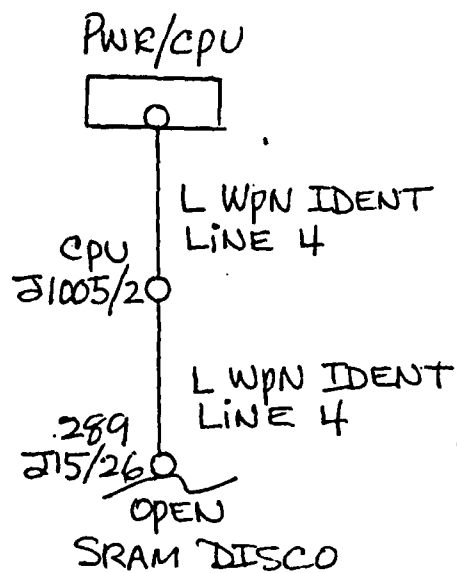
(CENTRAL PROGRAM UNIT)
"OUTPUT STA. SEL. RELAY"

* INCLUDES N.S. 433

PROJECT	TITLE	DATE	ANALYST	DATE	NODAL SET
FB111A	CPU OUTPUT STATION SELECT RELAY CMDS.	9-25-75	Libra	9-17-75	64
CHK	DATE	ANALYST	DATE	NODAL SET	
✓ 8/10/75	9-25-75	Libra	9-17-75	*	64

SNEAK CIRCUITS NETWORK TREE

REV

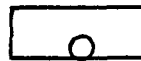


OJECT		TITLE	
FBIII-A		L WPN IDENT LINE 4	
QC	DATE	ANALYST	DATE
R. Stokes	9-25-75	P. Val	9-22-75
		NODAL SET	
		0065	

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU



OUTPUT - STA L SEL

CPU

21005/3

RPU

20001/12

OBJECT

FB111-A

TITLE

OUTPUT - STA L SEL

QC

P. Stokes

DATE

9-25-75

ANALYST

P. Valdeh

DATE

9-22-75

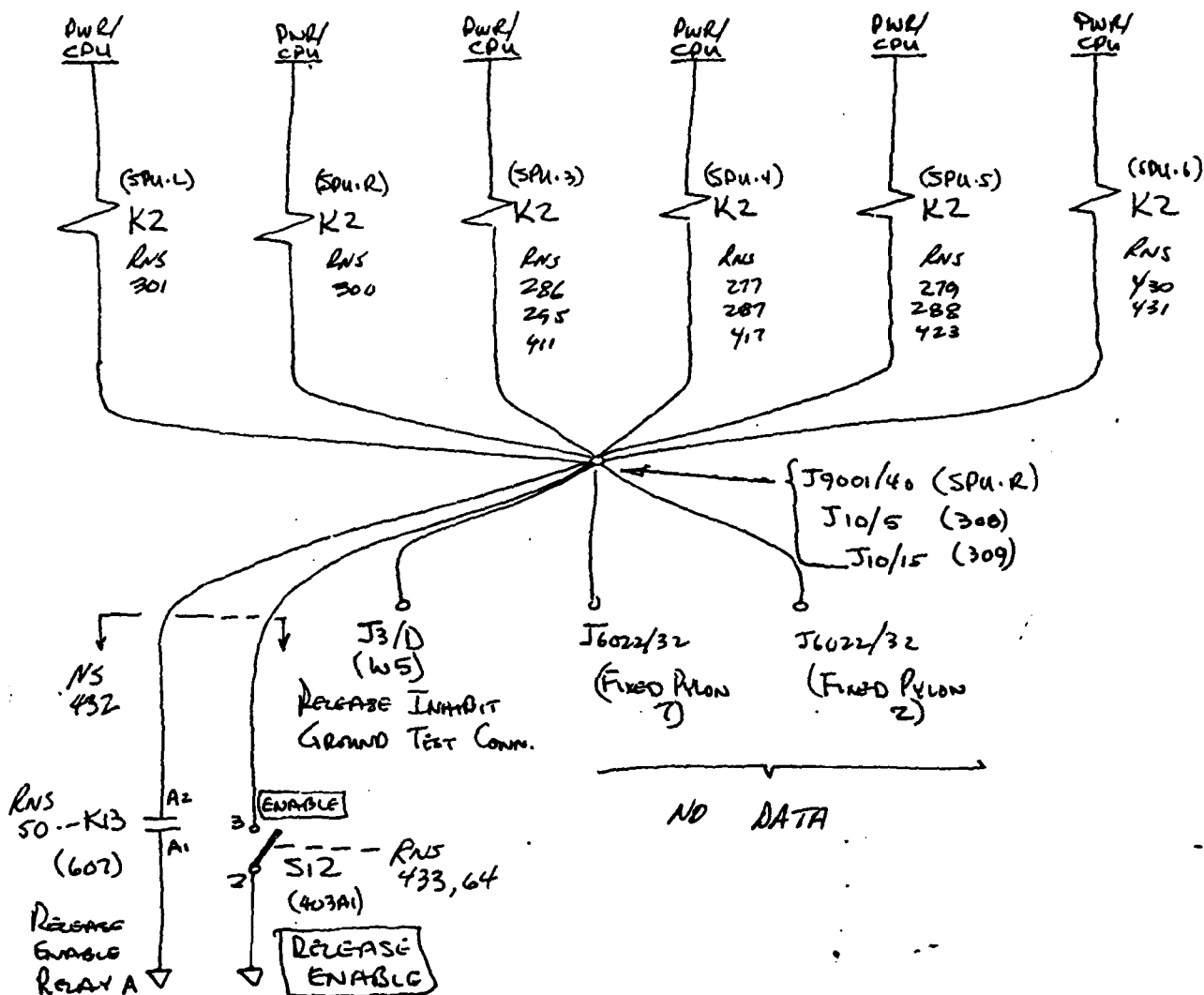
NODAL SET

0066

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

(CENTRAL PROGRAM UNIT)
"OUTPUT STA. SEL. RELAY"

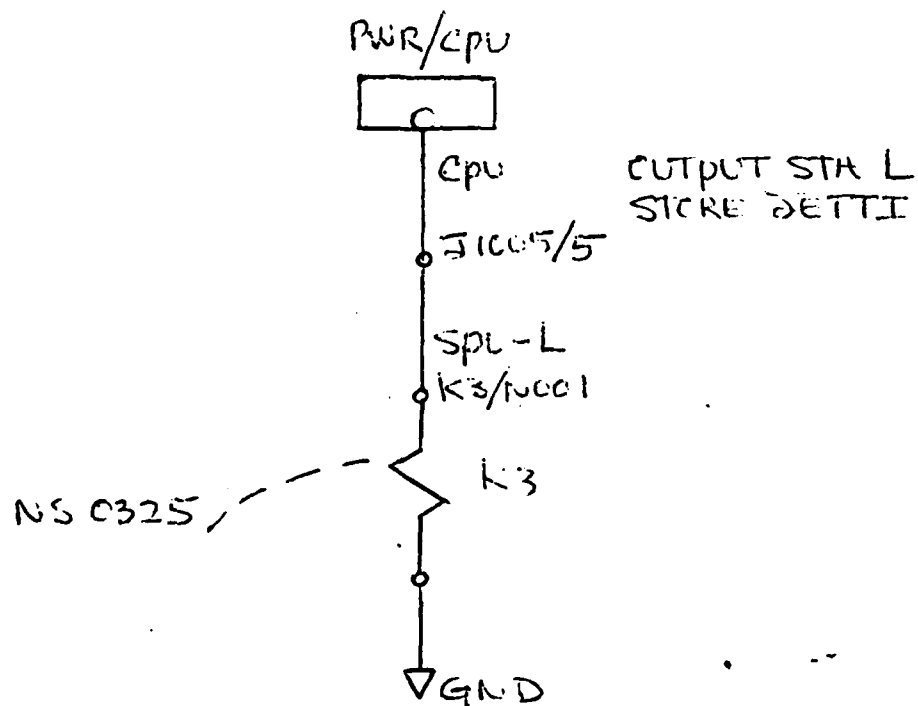
* INCLUDES NS 432

SUBJECT FB111A		TITLE CPU - OUTPUT STATION SELECT COMMANDS			
QC P. Stokes	DATE 9-25-75	ANALYST L. B. [Signature]	DATE 9-17-75	NODAL SET * 67	

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



OBJECT

TITLE

FB III-A

OUTPUT STA L STORE DETTI.

QC

DATE

ANALYST

DATE

NODAL SET

P. Stokes

9-25-75

J. V. ...

9-22-75

0064

HOU-705

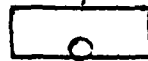
BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS C-52

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU



AMAC-L

STA L WPN
IDENT LINE 5

G205

SK 1
RNS 1

3

GND

JECT

FBIII--A

TITLE

STA L WPN IDENT LINE 5

QC

HOU-705

DATE

9.25.75

ANALYST

P. Vali

DATE

9-22-75

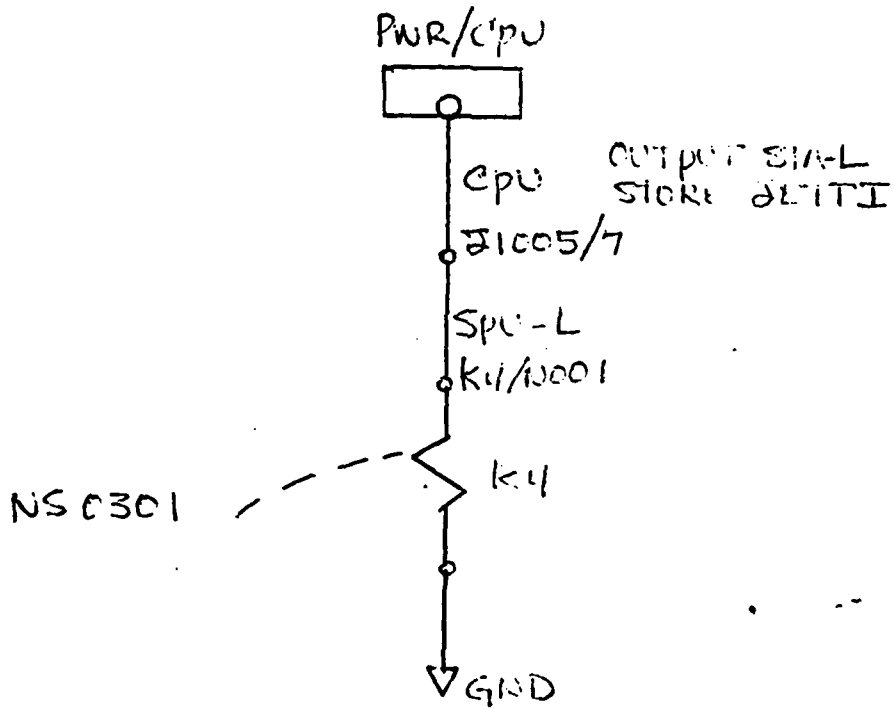
NODAL SET

0069

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB III-A

TITLE

OUTPUT STA L STORE JETTI

QC

R. Stokes

DATE

9-25-75

ANALYST

K. Valdez

DATE

9-22-75

NODAL SET

CC/10

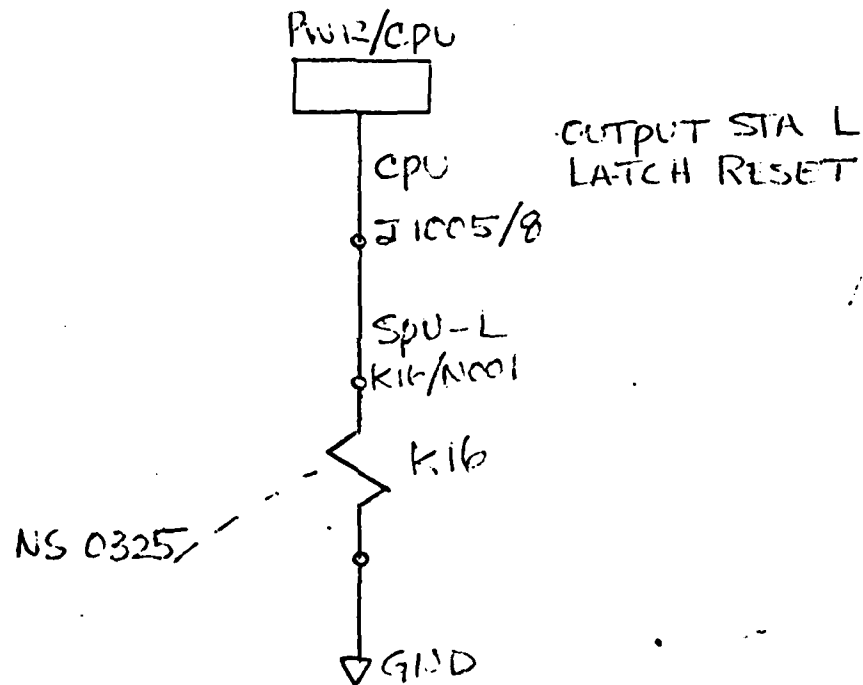
HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-54

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT	TITLE		
FR111-A	OUTPUT STA L LATCH RESET		
QC P. Stokes	DATE 9-25-75	ANALYST P. Valin	DATE 9-22-75
			NODAL SET 0071

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-55

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

L WPN IDENT
LINE 1

CPU

21005/9

L WPN IDENT
LINE 1

289

215/24

OPEN
SRAM DISCO

ECT

TITLE

FBIII-A

L WPN IDENT LINE 1

QC

DATE

Paul Stuber

9-25-75

ANALYST

DATE

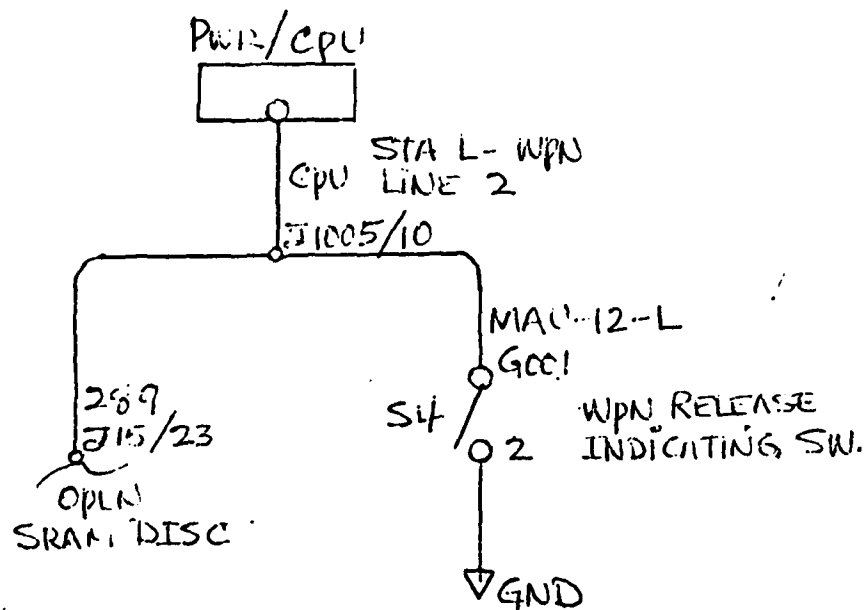
12/06/75

NODAL SET

CC12

SNEAK CIRCUITS NETWORK TREE

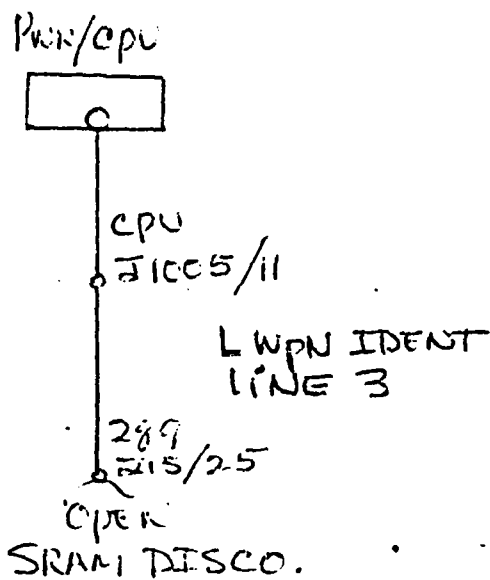
REV



OBJECT		TITLE	
FBIII-A		STA L- WPN LINE 2	
QC	DATE	ANALYST	DATE
+ Stokes	9-25-75	J. V. [unclear]	9-22-75
		NODAL SET	
		0073	

SNEAK CIRCUITS NETWORK TREE

REV

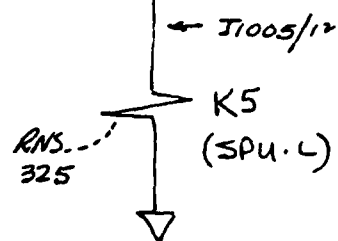


OBJECT		TITLE	
FR111-A		L WPN IDENT LINE 3	
QC	DATE	ANALYST	DATE
R. Stokes	9-25-75	P. Valachi	9-22-75
NODAL SET			
CC 711			

SNEAK CIRCUITS NETWORK TREE

REV

"OUT STA. L OPTION 1" PWR/CPU (CPU)



PROJECT

FB111A

TITLE

"OUT STATION L OPTION 1" CMD.

QC

Stokes

DATE

9-25-75

ANALYST

L. Bon

DATE

9-17-75

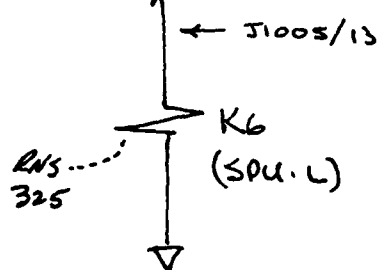
NODAL SET

75

SNEAK CIRCUITS NETWORK TREE

REV

"OUT STA. L OPTION 2" PWR/CPU (CPU)



PROJECT

FB111A

TITLE

"OUT STATION L OPTION 2" CMD.

QC

Stokes

DATE

9-25-75

ANALYST

L. Bon

DATE

9-17-75

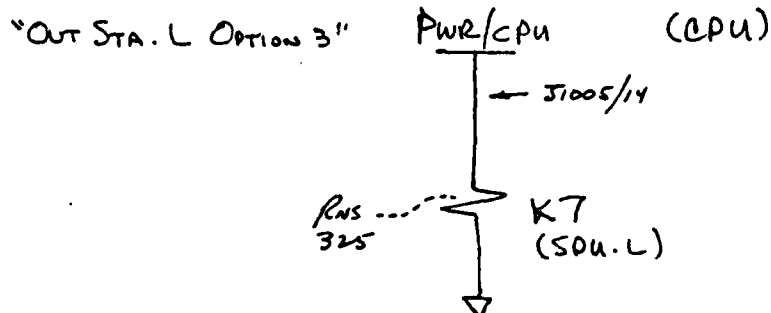
NODAL SET

76

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"Out Station L Option 3" Command

QC

J. Stokes

DATE

9-25-75

ANALYST

J. Brown

DATE

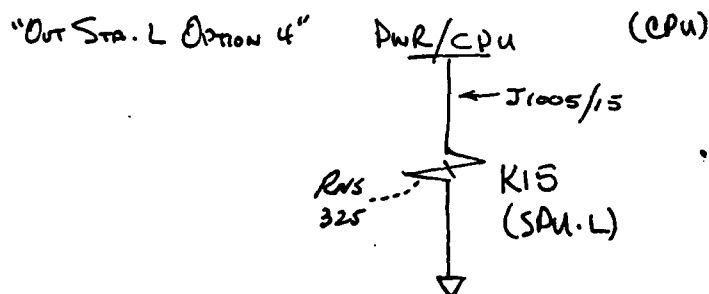
9-17-75

NODAL SET

77

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"Out Station L Option 4" Command

QC

J. Stokes

DATE

9-25-75

ANALYST

J. Brown

DATE

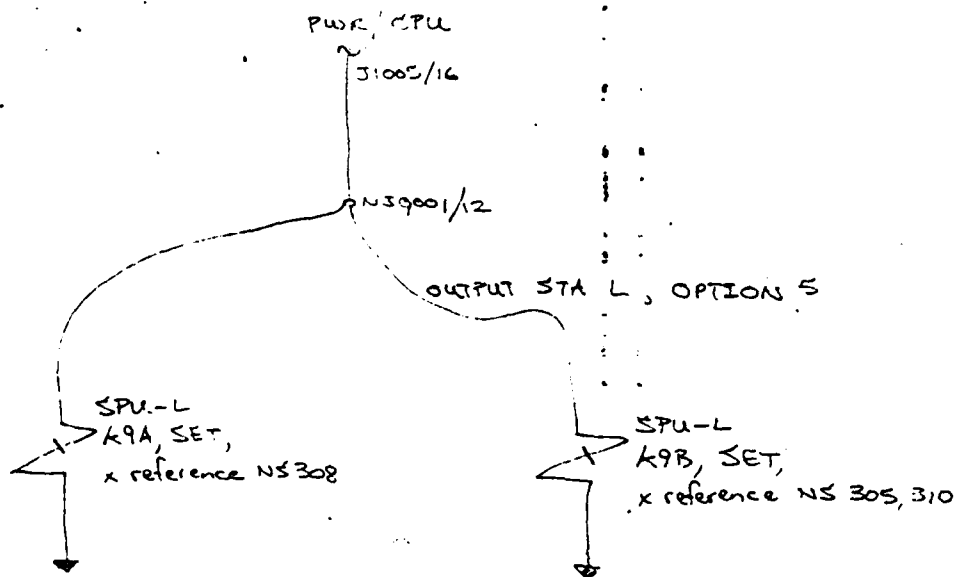
9-17-75

NODAL SET

78

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 5, SPU-L

QC

P. Stokes

DATE

9-25-75

ANALYST

M. Barnett

DATE

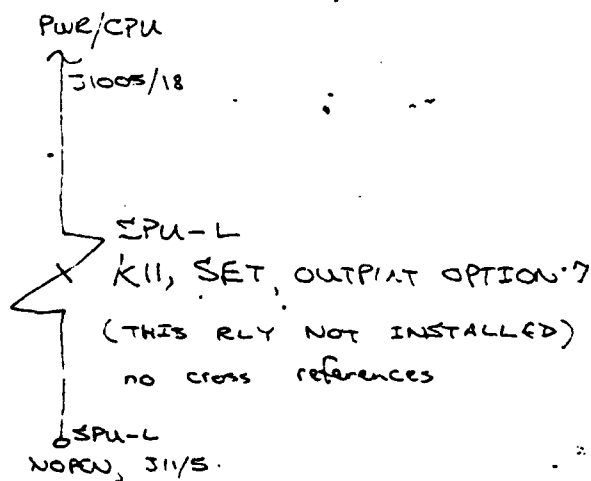
9/22/75

NODAL SET

79

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 7, SPU-L

QC

P. Stokes

DATE

9-25-75

ANALYST

M. Barnett

DATE

9/22/75

NODAL SET

80

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1005/19

SPU-L

K12, SET, OUTPUT OPTION 8

x reference 103 325

PROJECT

FB-111A

TITLE

OUTPUT OPTION 8, SPU-L

QC

Stokes

DATE

9-25-75

ANALYST

M. Barnett

DATE

9/22/75

NODAL SET

81

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1005/20

SPU-L

K13, OUTPUT OPTION 9

x reference 105 325

PROJECT

FB-111A

TITLE

OUTPUT OPTION 9, SPU-L

QC

Stokes

DATE

9-25-75

ANALYST

M. Barnett

DATE

9/22/75

NODAL SET

82

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31005/21

SPU-L

K14, OUTPUT OPTION 10
x reference NS 1, 301

PROJECT

FB-111A

TITLE

OUTPUT OPTION 10, SPU-L

QC

Stokes

DATE

9-25-75

ANALYST

M Barnett

DATE

9/22/75

NODAL SET

83

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31005/23

NO x REFERENCES.

OUTPUT STA-R SEL

RPU

30001/13

PROJECT

FB-111A

TITLE

OUTPUT STA-R SEL

QC

Stokes

DATE

9-25-75

ANALYST

M Barnett

DATE

9/22/75

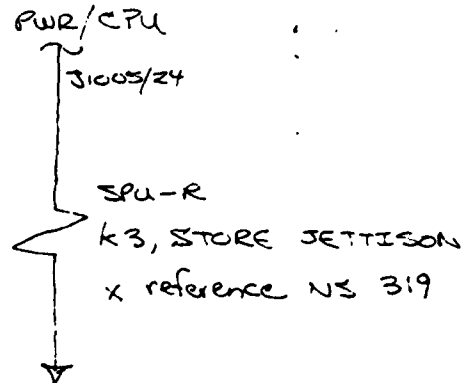
NODAL SET

84

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

STORE JETTISON, SPU-R

QC

J. Stokes

DATE

9-25-75

ANALYST

M. Barnett

DATE

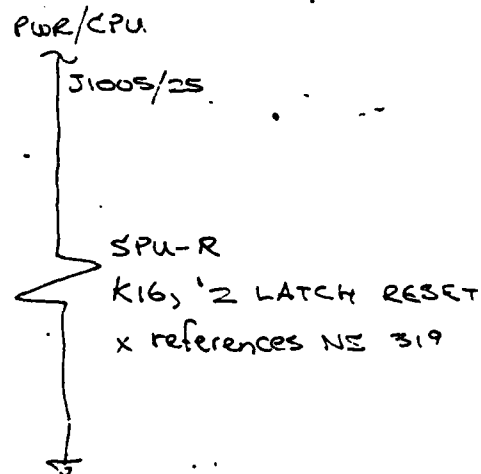
9/22/75

NODAL SET

85

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

2 LATCH RESET, SPU-R

QC

J. Stokes

DATE

9-25-75

ANALYST

M. Barnett

DATE

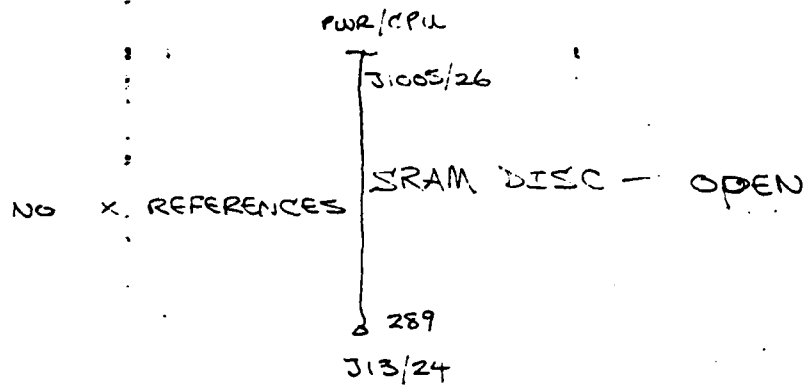
9/22/75

NODAL SET

86

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

SRAM DISCONNECT - OPEN

OC

DATE

9-25-75

ANALYST

M. Morrett

DATE

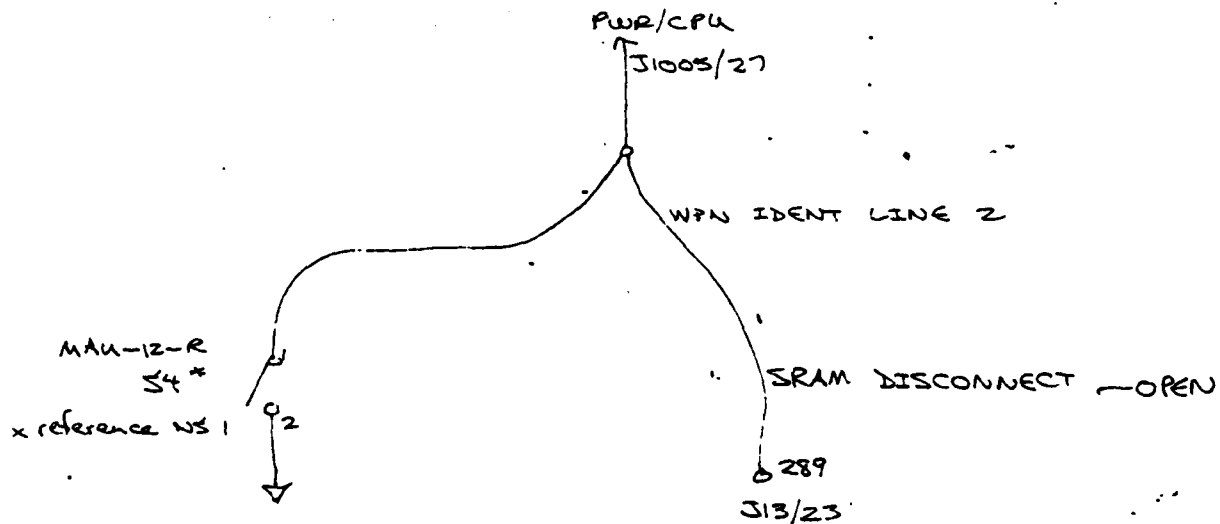
9/22/75

NODAL SET

87

SNEAK CIRCUITS NETWORK TREE

REV



*WPN RLSD INDICATING SW

PROJECT

FB-111A

TITLE

WPN IDENT LINE 2

OC

DATE

9-25-75

ANALYST

M. Morrett

DATE

9/22/75

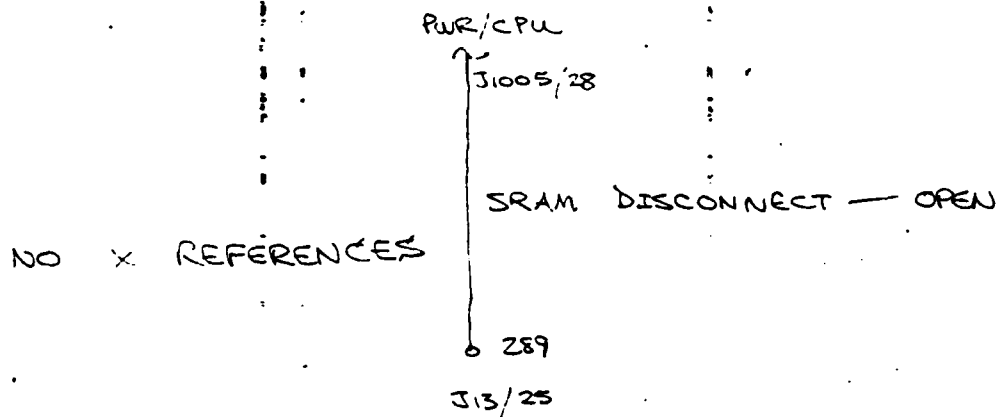
NODAL SET

88

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

SRAM DISCONNECT — OPEN

QC

DATE

9-25-75

ANALYST

DATE

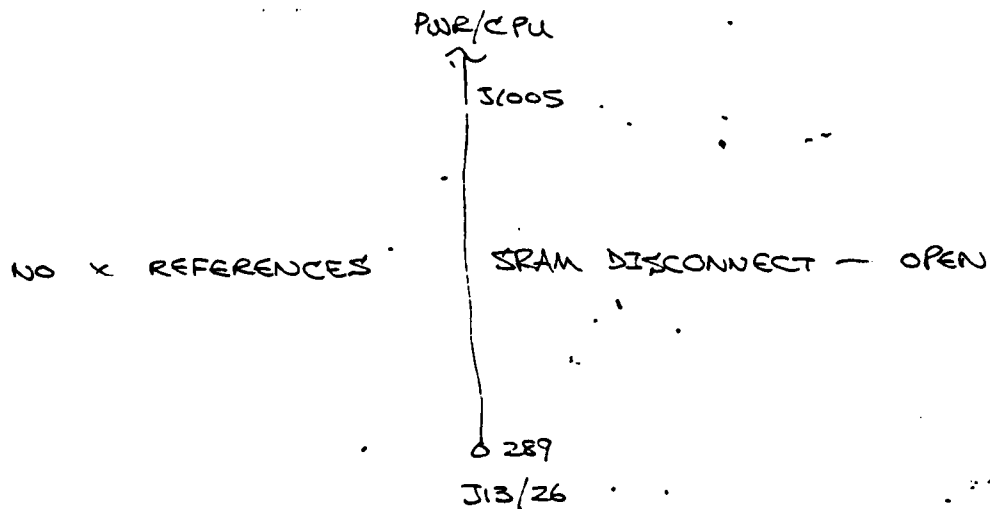
9/22/75

NODAL SET

89

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

SRAM DISCONNECT — OPEN

QC

DATE

9-25-75

ANALYST

DATE

9/22/75

NODAL SET

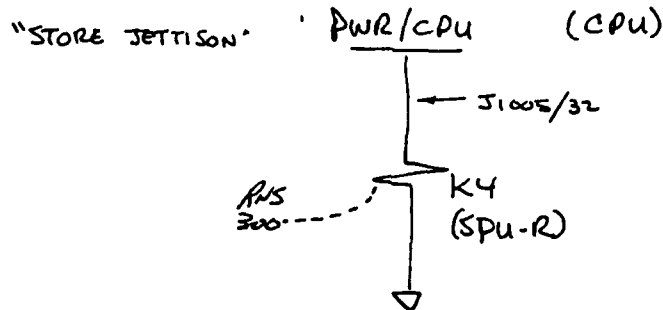
93

HCU-205

THE BOEING AEROSPACE COMPANY • WASHINGTON, D.C. 20546

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"STORE JETTISON" — SPU-R

QC

P. Stokes

DATE

9-25-75

ANALYST

L. Brn

DATE

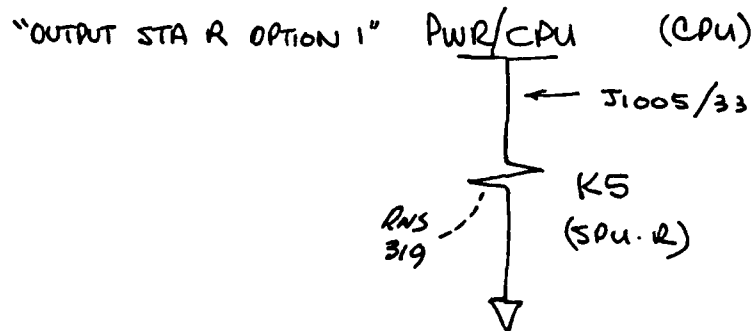
9-17-75

NODAL SET

92

SNEAK CIRCUITS NETWORK TREE

REV



OJECT

FB111A

TITLE

"OUTPUT STATION R OPTION 1" — SPU-R

QC

P. Stokes

DATE

9-25-75

ANALYST

L. Brn

DATE

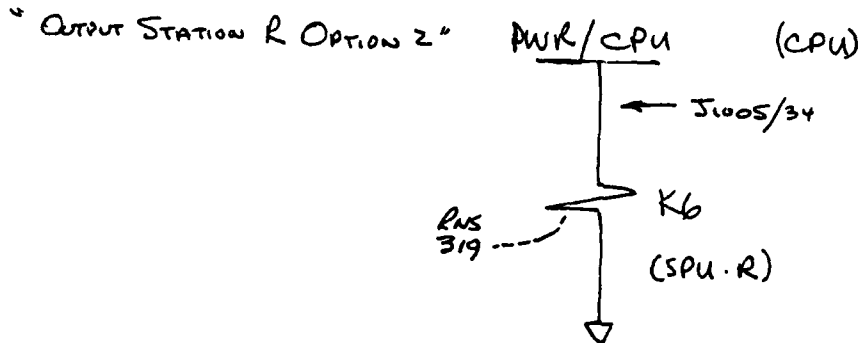
9-17-75

NODAL SET

93

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"OUTPUT STATION R OPTION 2" - SPU.R

QC

Stokes

DATE

9-25-75

ANALYST

L.Bm

DATE

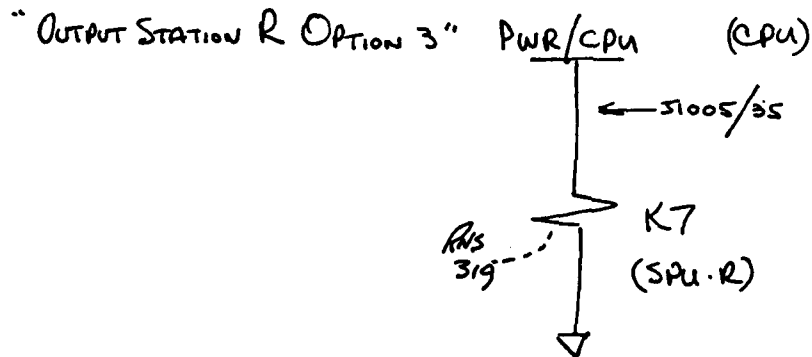
9-17-75

NODAL SET

94

SNEAK CIRCUITS NETWORK TREE

REV



JECT

FB111A

TITLE

"OUTPUT STATION R OPTION 3" - SPU.R

QC

Stokes

DATE

9-25-75

ANALYST

L.Bm

DATE

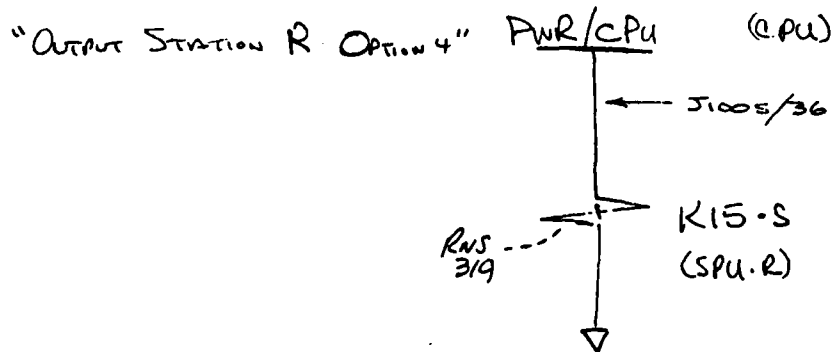
9-17-75

NODAL SET

95

SNEAK CIRCUITS NETWORK TREE

REV



JECT

FB111A

TITLE

"Output Station R Option 4" — SPU.R

QC

DATE

9-25-75

ANALYST

DATE

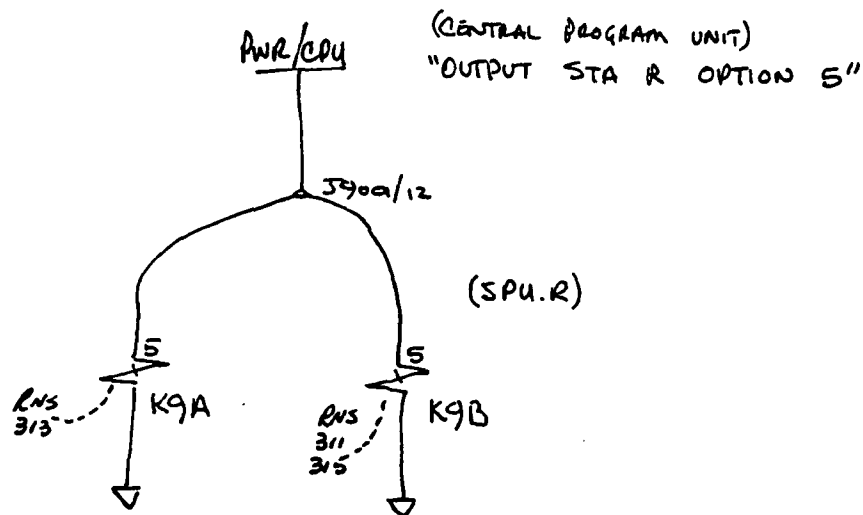
9-17-75

NODAL SET

96

SNEAK CIRCUITS NETWORK TREE

REV

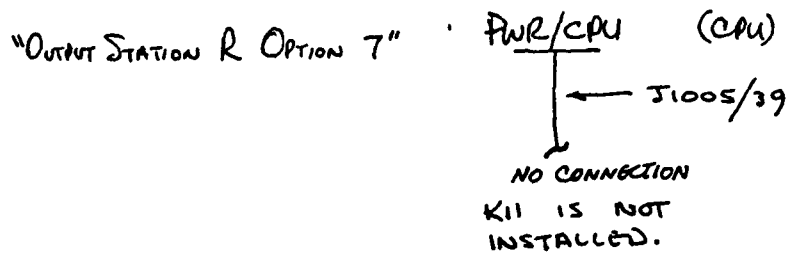


K9A & K9B ARE COILS FOR MAG-LATCH RELAYS.
 THE CONTACTS SWITCH 3 ϕ -115VAC TO SRAM
 DISCONNECT: OUT OF SCOPE.

ST	TITLE		
FB111A	CDU OUTPUT: "STATION K OPTION 5"		
QC	DATE	ANALYST	DATE
P. Stokes	9-25-75	L. Bon	9-22-75
NODAL SET			97

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"OUTPUT STATION R OPTION 7" - NOT USED

QC

P. Stokes

DATE

9-25-75

ANALYST

L. Ben

DATE

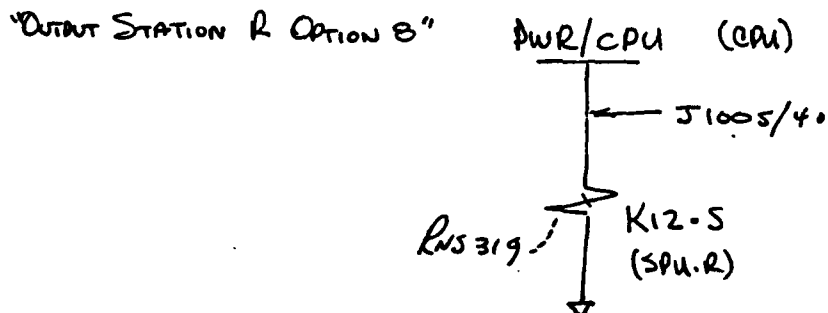
9-17-75

NODAL SET

98

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"OUTPUT STATION R OPTION B" - SPU-R

QC

P. Stokes

DATE

9-25-75

ANALYST

L. Ben

DATE

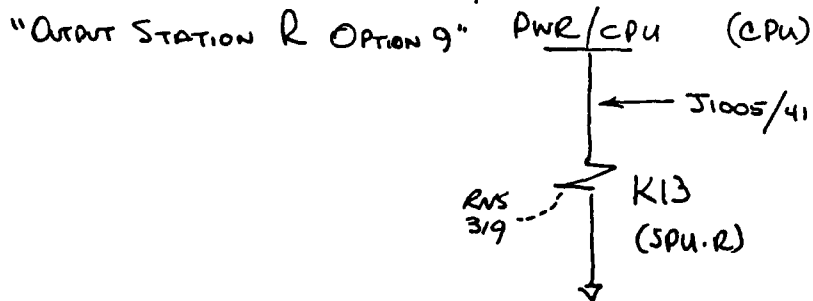
9-17-75

NODAL SET

99

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111A

TITLE

"Output Station R Option 9" - SPU-R

DC

S. Stokes

DATE

9-25-75

ANALYST

L. Ben

DATE

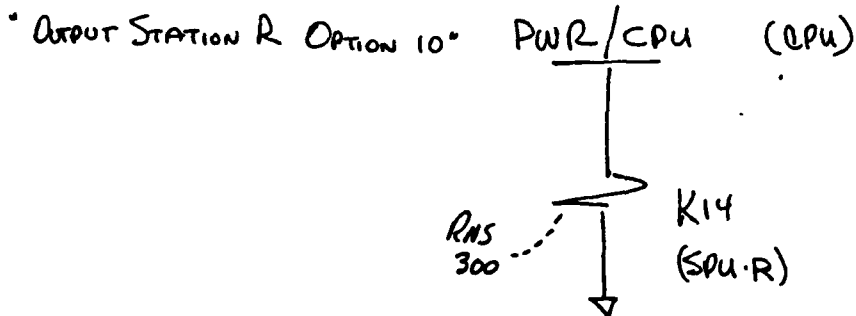
9-17-75

NODAL SET

100

SNEAK CIRCUITS NETWORK TREE

REV



OBJECT

FB111A

TITLE

"Output Station R Option 10" - SPU-R

DC

S. Stokes

DATE

9-25-75

ANALYST

L. Ben

DATE

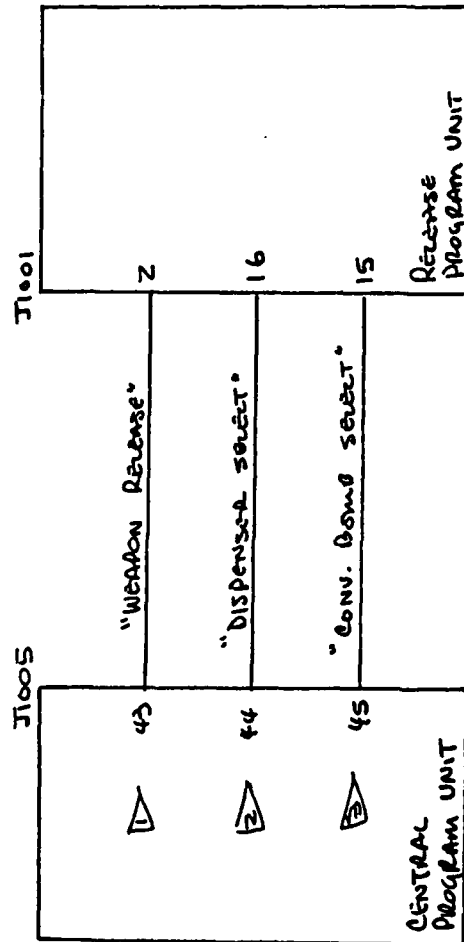
9-17-75

NODAL SET

101

SNEAK CIRCUITS NETWORK TREE

REV



△ NS. 102
 △ NS. 103
 △ NS. 104

(3) NO INFO. ON INTERFACES OF
 CPU & RPU.

(4) Ref. 12D2003-5, FIG. 3-28A.

* Includes N.S. 103, 104

PROJECT FB111A		TITLE CPU / RPU INTERFACE	
QC P Stokes	DATE 9-26-75	ANALYST A. Bm	DATE 9-23-75
		NODAL SET *	102

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 102

SUBJECT		TITLE			
FBIIIA					
QC	DATE	ANALYST	DATE	NODAL SET	
		<i>J.B.</i>	9-23-75	103	

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 102

ECT

FB111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

L.B.

9-23-75

104

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

CPU
J1006

1	OUTPUT STA SEL RELAY	3
2	OUTPUT LATCH RESET	1
4	OUTPUT STORE JTSN	8
6	OUTPUT PYLON JTSN	9
7	INPUT PYLON PRESENT	2
8	OUTPUT STA SEL RELAY	7
9	OUTPUT STORE JTSN	13
10	OUTPUT PYLON JTSN	12
11	WPN IDENT LINE 1	4
12	WPN IDENT LINE 2	5
13	WPN IDENT LINE 3	6
14	WPN IDENT LINE 4	10
16	OUTPUT OPTION 1	14
17	OUTPUT OPTION 2	15
18	OUTPUT OPTION 3	16
19	OUTPUT OPTION 4	17
20	OUTPUT OPTION 8	18
21	OUTPUT OPTION 9	19
3	OUTPUT RPU STA SEL	4
5	EJECT RACK RPU	17

FIXPYL 1
J6022RPU
J0001

JECT

TITLE

FB-111A

CPU TO FIXPYL 1 AND RPU

X

DATE

9-26-75

ANALYST

M. M. M. M.

DATE

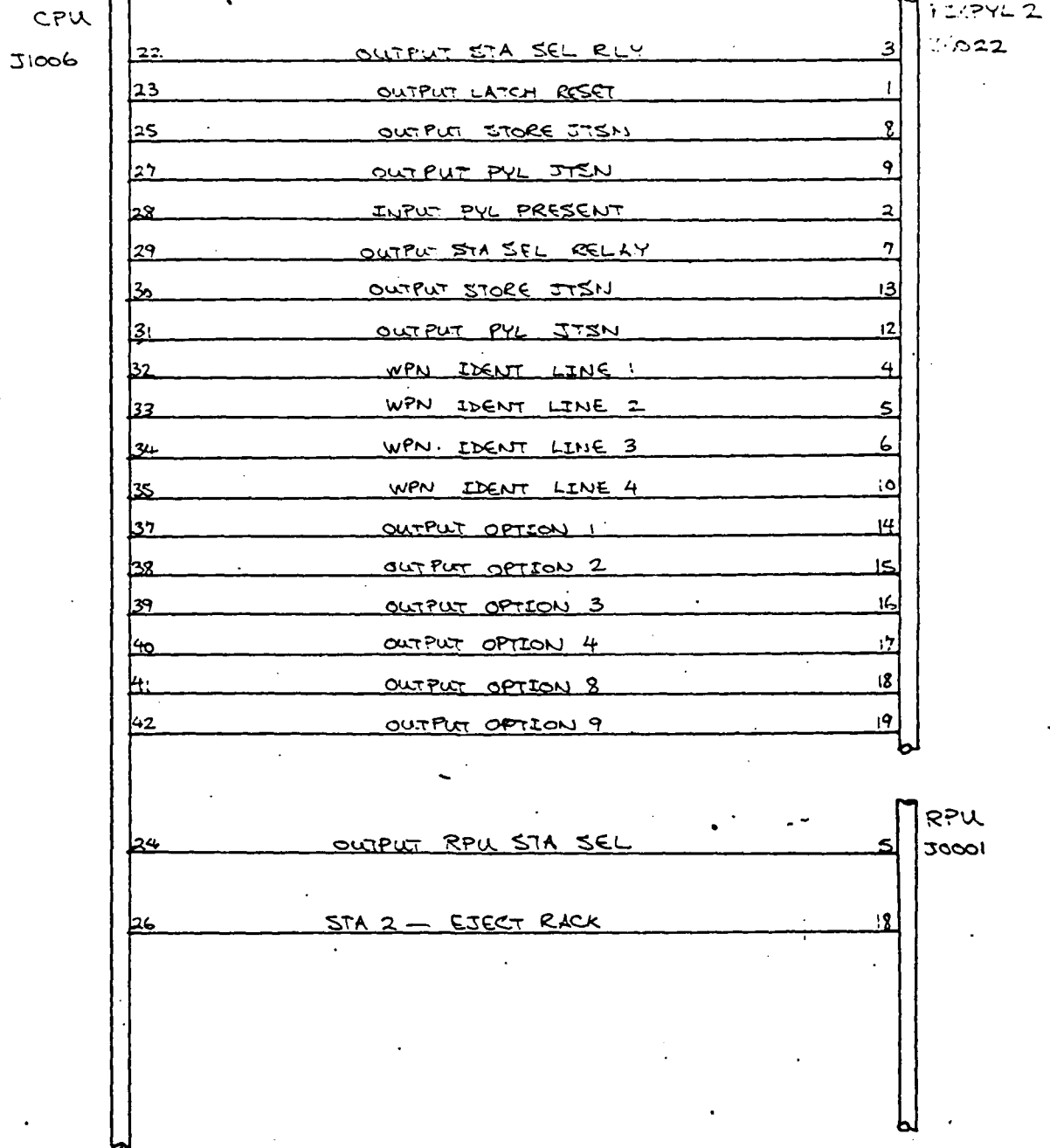
9/17/75

NODAL SET

105-124

SNEAK CIRCUITS NETWORK TREE

REV



JECT

TITLE

FB-111A

CPU TO FIXPYL? AND RPU

QC

DATE

R. Stokes

9-26-75

ANALYST

M. Marshall

DATE

9/17/75

NODAL SET

125-1114

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1006/49

SALVO SEL

ORPU

J0001/44

PROJECT

FB-111A

TITLE

SALVO SEL

QC

DATE

P. Stokes

9-26-75

ANALYST

DATE

M. Barnett

9/19/75

NODAL SET

145

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/2

SPU-3.

K19, OUTPUT LATCH RESET

x reference NS 294

PROJECT

FB-111A

TITLE

OUTPUT LATCH RESET

QC

DATE

P. Stokes

9-26-75

ANALYST

DATE

M. Barnett

9/19/75

NODAL SET

146

DP-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1007/3

OUTPUT RPU STA SEL

ORPU

J0001/6

PROJECT

FB-111A

TITLE

OUTPUT RPU STA SEL

QC

Stokes

DATE

9-26-75

ANALYST

M Barnett

DATE

9/19/75

NODAL SET

147

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1007/4

SPU-3

K3; OUTPUT STORE JTSN

X reference 294

PROJECT

FB-111A

TITLE

OUTPUT STORE JTSN — SPU-3

QC

Stokes

DATE

9-26-75

ANALYST

M Barnett

DATE

9/19/75

NODAL SET

148

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU
J1007/5

EJECT RACK RPU

RPU
J0001/19

PROJECT

FB-111A

TITLE

EJECT RACK RPU

DATE

Stokes

9-26-75

ANALYST

M. Fornetti

DATE

9/19/75

NODAL SET

149

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU
J1007/6

OUTPUT PYLON JETTISON

S
2-6
J51311/6

(NOT WIRED)

PYL JET-3
Sk1, Pylon Jettison Sw
x reference NS387

J3901/10

CPU-3
KS, OUTPUT PYLON JTSN
x reference NS387

* INCLUDES NODAL SET 408

PROJECT

FB-111A

TITLE

OUTPUT PYLON JTSN - CPU-3

QC

Stokes

DATE

9-26-75

ANALYST

M. Fornetti

DATE

9/19/75

NODAL SET

150 *

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31007/7

INPUT PYLON PRESENT
(switched GND)

--- PIVPYL3

J613/83

(Pivot Pylon 2-70)

PROJECT

FB-111A

TITLE

INPUT-PYLON PRESENT

QC

+ Stokes

DATE

9-26-75

ANALYST

m Barnett

DATE

9/19/75

NODAL SET

151

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31007/9

SPU-3

K4, OUTPUT STORE JTSN
X reference NS 295

PROJECT

FB-111A

TITLE

OUTPUT-STORE JTSN --- SPU-3

QC

+ Stokes

DATE

9-26-75

ANALYST

m Barnett

DATE

9/19/75

NODAL SET

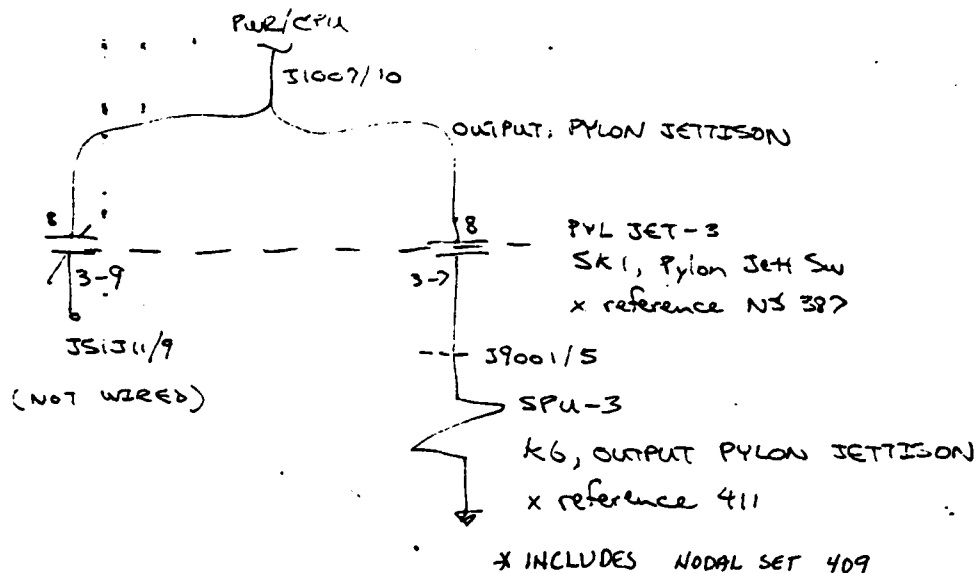
152

HOU-205

THE BOEING CORPORATION - SEEN, TEXAS C-82

D2-118570-3
SNEAK CIRCUITS NETWORK TREE

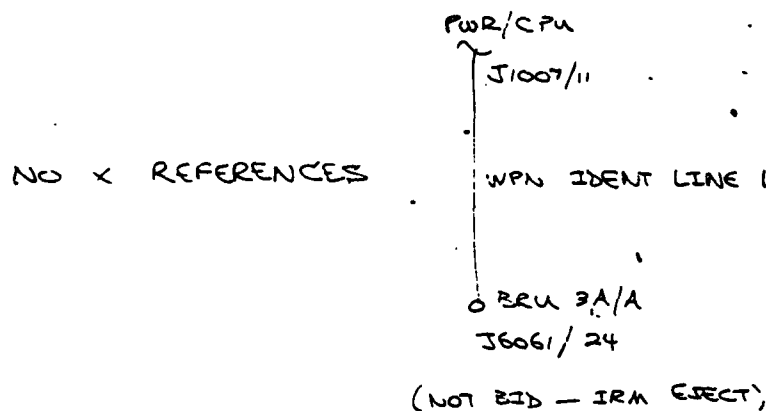
REV



PROJECT	TITLE		
FB-111A	OUTPUT PYLON JETTISON — SPU-3		
QC + Stokes	DATE 9-26-75	ANALYST M Barnett	DATE 9/19/75
			NODAL SET 153 *

SNEAK CIRCUITS NETWORK TREE

REV

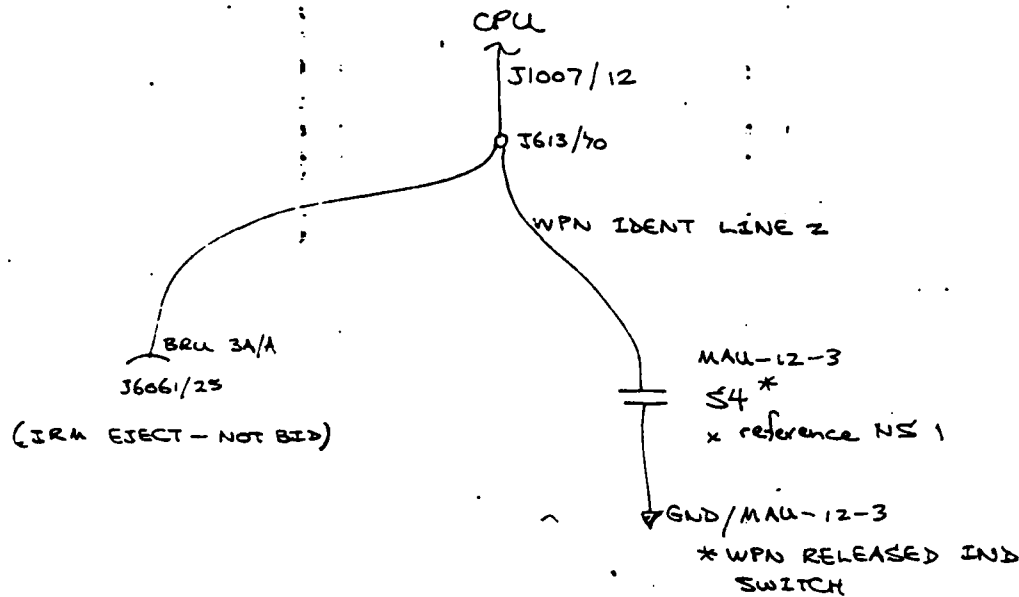


PROJECT	TITLE		
FB-111A	WPN IDENT LINE 1		
QC + Stokes	DATE 9-26-75	ANALYST M Barnett	DATE 9/19/75
			NODAL SET 154

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

WPN IDENT LINE 2

OC

Stokes

DATE

9-29-75

ANALYST

M Barnett

DATE

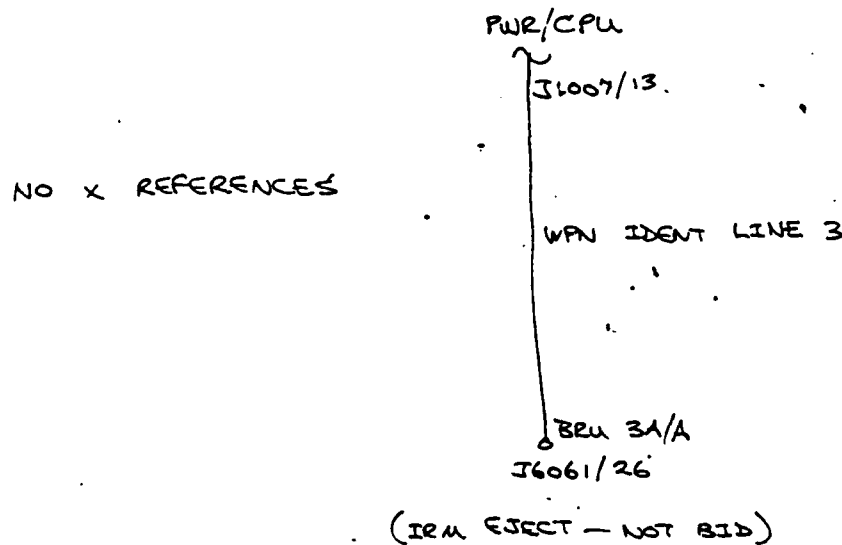
9/19/75

NODAL SET

155

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

WPN IDENT LINE 3

OC

+ Stokes

DATE

9-29-75

ANALYST

M Barnett

DATE

9/19/75

NODAL SET

156

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1007/14

NO X REFERENCES

WPN IDENT LINE 4

BRU 3A/A

J6061/23

(IRM EJECT - NOT BID)

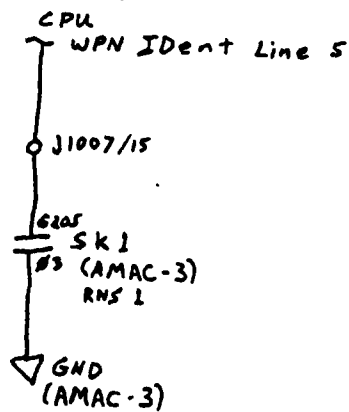
OR CT	TITLE		
FB-111A	WPN IDENT LINE 4		
DATE	ANALYST	DATE	NODAL SET
9-29-75	m Barnett	9/19/75	157

IOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-85

SNEAK CIRCUITS NETWORK TREE

REV



SUBJECT

FB111-A

TITLE

Weapon Ident. Line 5. AMAC-3

QC

J. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

9-16-75

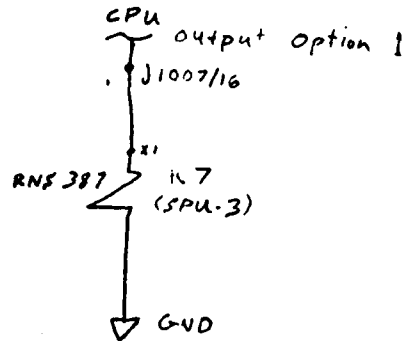
NODAL SET

158

D2-118570-3

SNEAK CIRCUITS NETWORK TREE

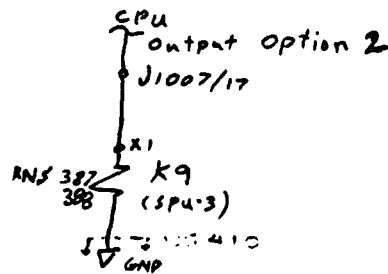
REV



PROJECT	TITLE		
FB111-A	Output Option 1 - SPU-3		
QC <i>J. Stokes</i>	DATE 9-29-75	ANALYST Jim Veges	DATE 9-18-75
			NODAL SET 159

SNEAK CIRCUITS NETWORK TREE

REV



* INCLUDES NODAL SET 410

PROJECT	TITLE		
FB111-A	Output Option 2 - SPU-3		
QC <i>J. Stokes</i>	DATE 9-29-75	ANALYST Jim Veges	DATE 9-18-75
			NODAL SET 160 *

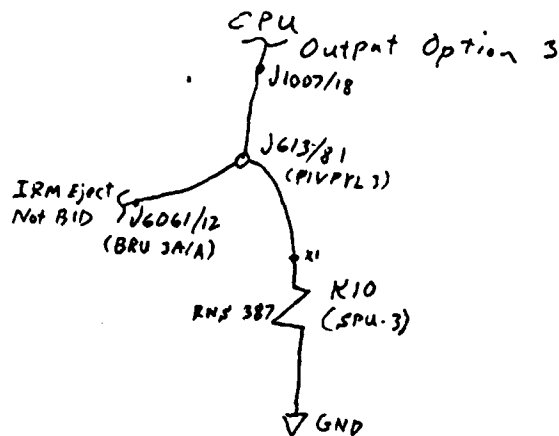
HCU-205

THE ENGINEER'S REPORT ON THE SNEAK CIRCUITS NETWORK TREE C-87

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 3 - SPU-3

DATE

9-29-75

ANALYST

J. Verges

DATE

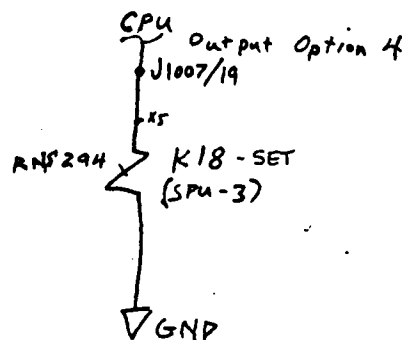
9-18-75

NODAL SET

161

SNEAK CIRCUITS NETWORK TREE

REV



JECT

FB111-A

TITLE

Output Option 4 - spu-3

QC

DATE

9-29-75

ANALYST

J. Verges

DATE

9-18-75

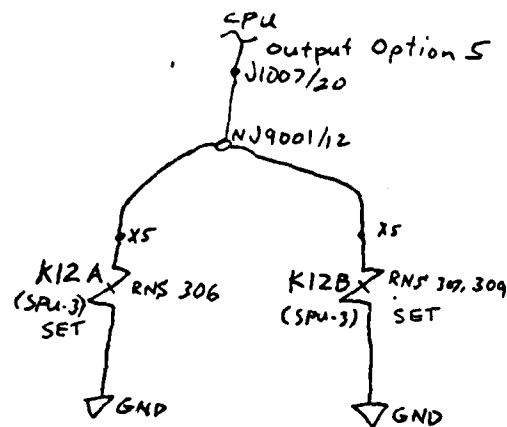
NODAL SET

162

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 5, SPU-3

Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

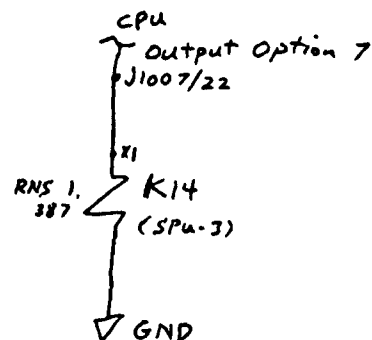
9-18-75

NODAL SET

163

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 7, SPU-3

QC

Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

9-18-75

NODAL SET

164

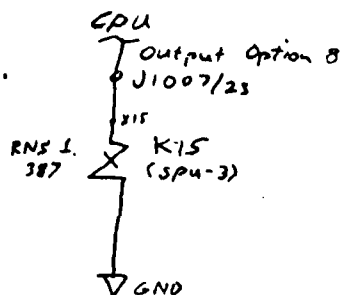
HCU-204

THE AIRCRAFT COVERED BY THIS REPORT, TEXAS C-89

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 8, SPU-3

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Veges

DATE

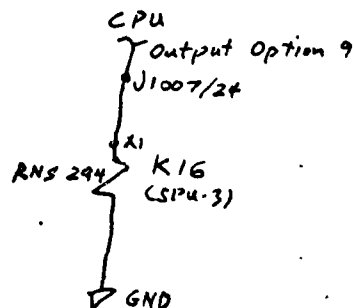
9-18-75

NODAL SET

165

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 9, SPU-3

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Veges

DATE

9-18-75

NODAL SET

166

AD-A103 953

BOEING AEROSPACE CO HOUSTON TX

F/G 15/6

ELECTRICAL ANALYSIS OF B-82/FB-111 AMAC AND RELEASE CIRCUITRY U--ETC(U)

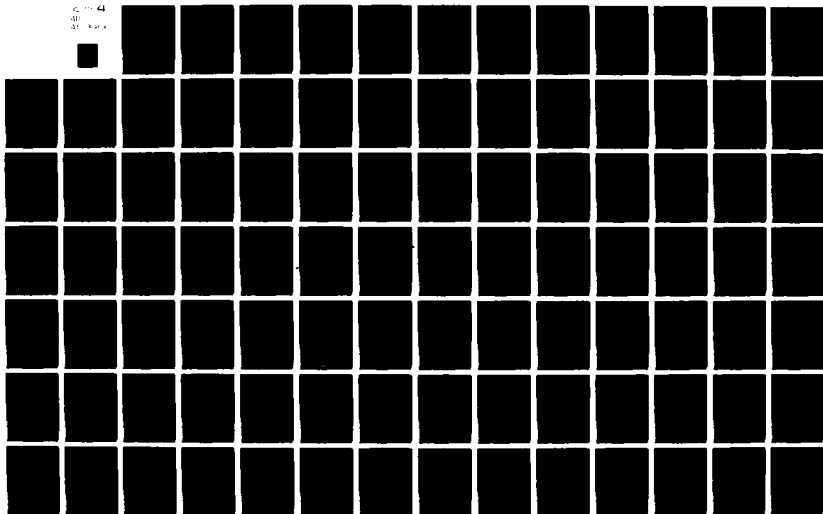
OCT 75

F29601-76-C-0017

UNCLASSIFIED D2-118576-3

NL

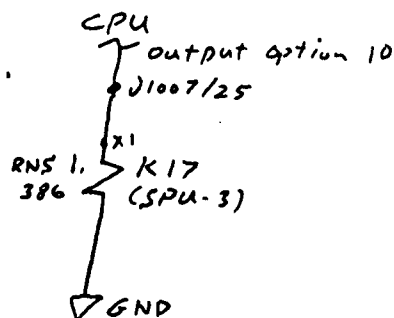
CLASS 4
AD 103 953



D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB 111-A

Output Option 10, SPU-3

PC
Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

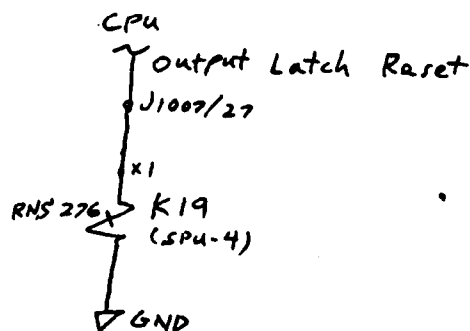
9-18-75

NODAL SET

167

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB 111-A

Output Latch Reset

PC
Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

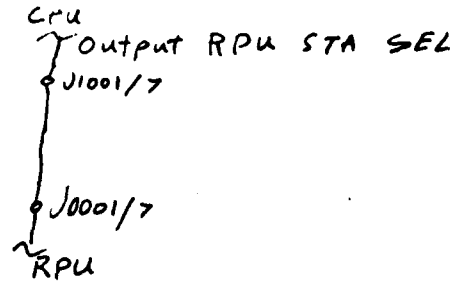
9-18-75

NODAL SET

168

SNEAK CIRCUITS NETWORK TREE

REV [



1715

Output RPU STA SEL

۵۰

L.A.:

ANALYSIS

6. 10

PRODAL 327

+ Stokes

9-29-75

J. Verge

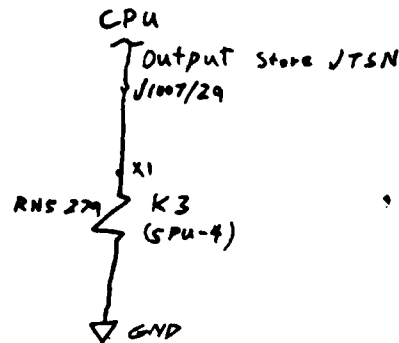
9-18-75

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973).

169

SLEAK CIRCUIT: NETWORK TREE

REV:



TITLE	DATE	TIME	LOCATION	STATUS
1. [Illegible]	10/10/1964	10:00	Room 101	Completed
2. [Illegible]	10/10/1964	11:00	Room 101	Completed
3. [Illegible]	10/10/1964	12:00	Room 101	Completed
4. [Illegible]	10/10/1964	13:00	Room 101	Completed
5. [Illegible]	10/10/1964	14:00	Room 101	Completed
6. [Illegible]	10/10/1964	15:00	Room 101	Completed
7. [Illegible]	10/10/1964	16:00	Room 101	Completed
8. [Illegible]	10/10/1964	17:00	Room 101	Completed
9. [Illegible]	10/10/1964	18:00	Room 101	Completed
10. [Illegible]	10/10/1964	19:00	Room 101	Completed
11. [Illegible]	10/10/1964	20:00	Room 101	Completed
12. [Illegible]	10/10/1964	21:00	Room 101	Completed
13. [Illegible]	10/10/1964	22:00	Room 101	Completed
14. [Illegible]	10/10/1964	23:00	Room 101	Completed
15. [Illegible]	10/10/1964	24:00	Room 101	Completed

Output Store JTSN, SPU-4

QC

DATE:

ANALYST

DATE _____

NODAL SET

+ 2 strokes

9-29-75

J. Vergas

9-18-75

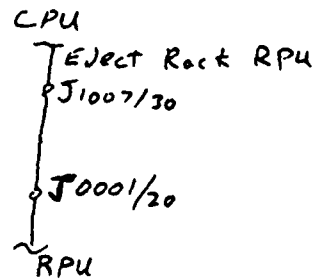
Page 10 of 10

170

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Eject Rack RPU

P. Stokes

DATE

9-29-75

ANALYST

J. Veiges

DATE

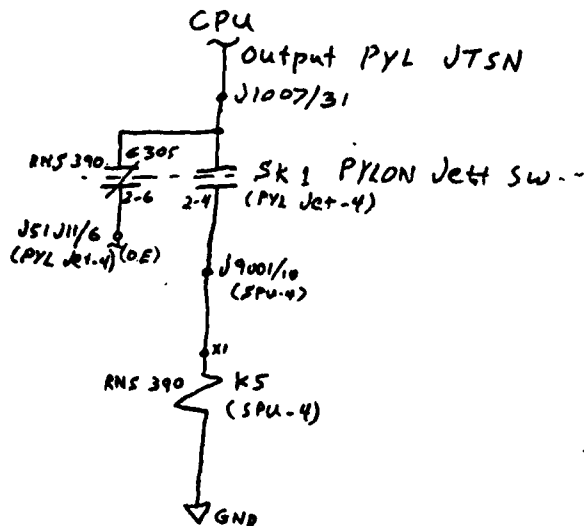
9-18-75

NODAL SET

171

SNEAK CIRCUITS NETWORK TREE

REV



* INCLUDES NODAL SET 414

PROJECT

FB111-A

TITLE

Output Pyl JTSN

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Veiges

DATE

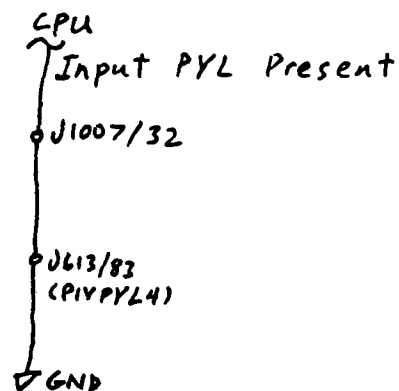
9-18-75

NODAL SET

172*

SNEAK CIRCUITS NETWORK TREE

REV



Note: When PYLON is present a ground signal is sent to CPU.

SUBJECT FB111-A		TITLE Input PYLON Present		
QC P. Stokas	DATE 9-29-75	ANALYST J. Verges	DATE 9-19-75	NODAL SET 173

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

CPU
WPN IDENT LINE 1
J1007/36
J613/76
(BRU 3A/4)
J6061/24
IRM EJECT
(Not Bid)

PROJECT

FBIII-A

TITLE

WPN IDENT LINE 1

DATE

9-29-75

ANALYST

J. Verges

DATE

9-19-75

NODAL SET

176

SNEAK CIRCUITS NETWORK TREE

REV

CPU
WPN IDENT LINE 2
J1007/37
J613/70
(PIVPL4)
J6061/25
(BRU 3A/4)
IRM Eject
(Not Bid)
RMS 1
54 WPN Released
(MAN-12-4) Indicating Switch.
GND

PROJECT

FBIII-A

TITLE

WPN IDENT Line 2

DATE

9-29-75

ANALYST

J. Verges

DATE

9-19-75

NODAL SET

177

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

CPU
WPN IDENT. Line 3
J1007/38
J613/78
(BRU 3A/4)
J6061/26
IRM Eject
Not Bid

PROJECT

FB111-A

TITLE

WPN IDENT. Line 3

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

9-19-75

NODAL SET

178

SNEAK CIRCUITS NETWORK TREE

REV

CPU
WPN IDENT. Line 4
J1007/39
J613/77
(BRU 3A/4)
J6061/23
IRM Eject
Not Bid

PROJECT

FB111-A

TITLE

WPN IDENT. Line 4

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

9-19-75

NODAL SET

179

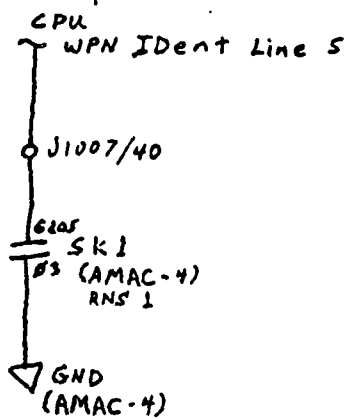
MOU-205

THE LOMA LARSEN RESEARCH CENTER, LOMA LARSEN, TEXAS C-97

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

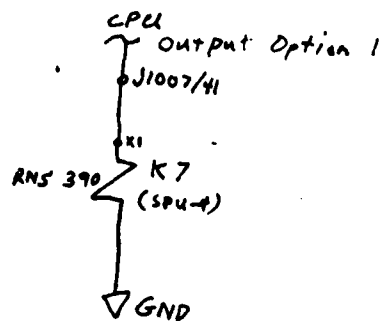


PROJECT FB111-A		TITLE Weapon Ident. Line 5 - AMAC-4			
QC R. Stokes	DATE 9-29-75	ANALYST J. Verges	DATE 9-16-75	NODAL SET 180	

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FBIII-A

TITLE

Output Option 1 SPU-4

DATE

P. Stokes

9-29-75

ANALYST

J. Verge

DATE

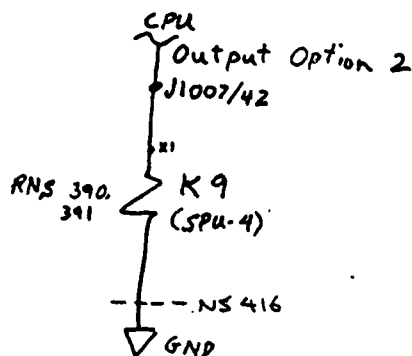
9-22-75

NODAL SET

181

SNEAK CIRCUITS NETWORK TREE

REV



* INCLUDES NODAL SET 416

PROJECT

FBIII-A

TITLE

Output Option 2 SPU-4

DATE

P. Stokes

9-29-75

ANALYST

J. Verge

DATE

9-22-75

NODAL SET

182 *

SNEAK CIRCUITS NETWORK TREE

Hand-drawn schematic diagram of a CPU output connection. The diagram shows a vertical line representing a bus. At the top, it is labeled "CPU". Below it, a point is labeled "Output Option 3" and "J1007/43". Further down, a circle is labeled "J613/81 (PIVPLY4)". A curved line branches off to the left, ending at a point labeled "J6061/12". Below this point, the text "IRM Eject (BRU 3A/4K)" and "NOT BID" is written. The main vertical line continues down to a point labeled "K10 (SPU-4)". A zigzag line labeled "RHS 390" connects this point to a triangle labeled "GND".

Output Option 3. SPU-4

183

SNEAK CIRCUITS NETWORK FILE

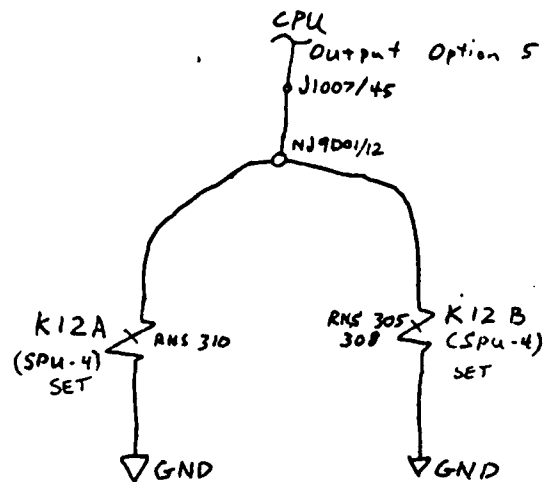
Output Option 4, SPu-4

184

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 5 SPU-4

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

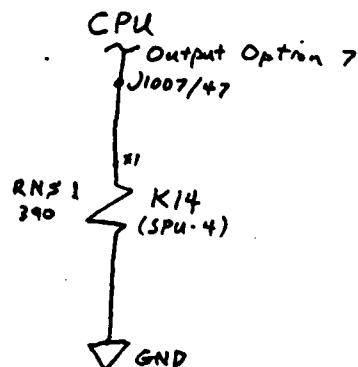
9-22-75

NODAL SET

185

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 7, SPU-4

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

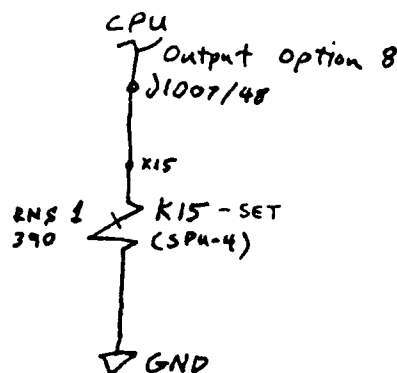
9-22-75

NODAL SET

186

D2-118576-3
SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 8, SPU-4

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

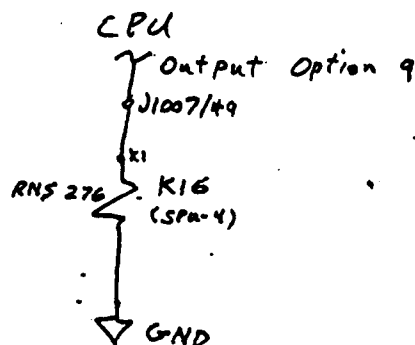
9-22-75

NODAL SET

187

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Output Option 9, SPU-4

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Verges

DATE

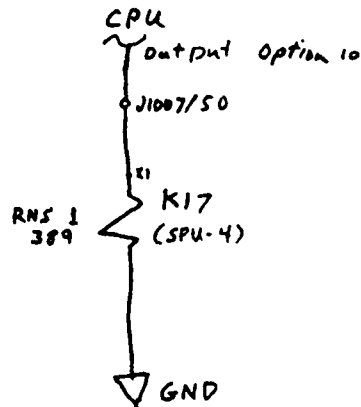
9-22-75

NODAL SET

188

SNEAK CIRCUITS NETWORK TREE

REV



JECT

FB 111-A

TITLE

Output Option 10, SPU-4

QC

P. Stokes

DATE

9-29-75

ANALYST

J. Vergeles

DATE

9-22-75

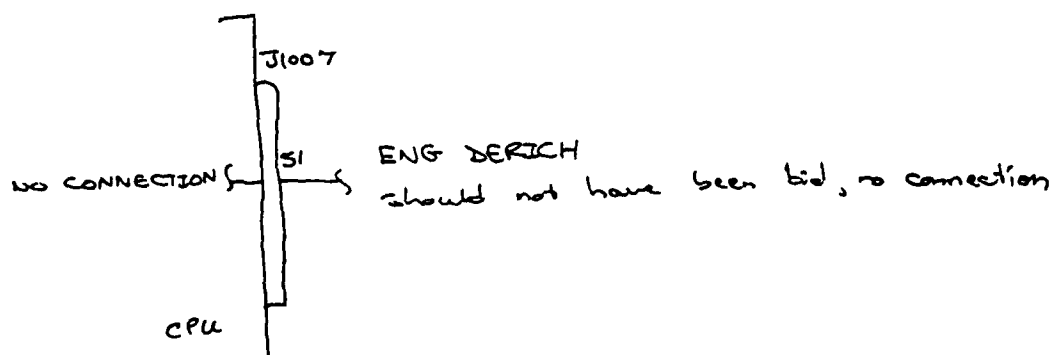
NODAL SET

189

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



OJECT

FB-111A

TITLE

ENG DERICH — NO BID

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

190

HOU-205

BOEING

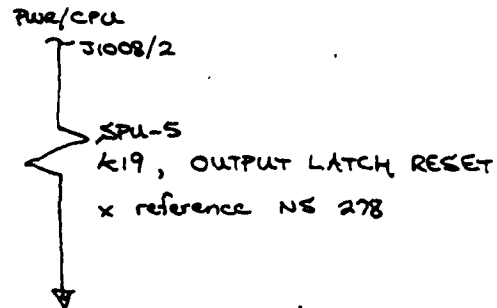
AEROSPACE COMPANY - HOUSTON, TEXAS

C-104

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB-111A

SPU-5 OUTPUT LATCH RESET

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

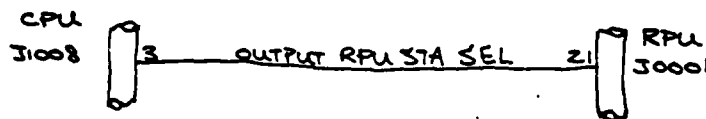
9/18/75

NODAL SET

191

SNEAK CIRCUITS NETWORK TREE

REV



NO X REFERENCES

PROJECT

TITLE

FB-111A

OUTPUT RPU STA SEL

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

192

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

51008/4

SPU-5

K3, OUTPUT STORE JTSN

x reference NS 278

PROJECT

FB-111A

TITLE

SPU-5 OUTPUT STORE JTSN

QC

Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

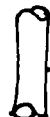
NODAL SET

193

SNEAK CIRCUITS NETWORK TREE

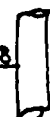
REV

CPU
31008



EJECT RACK RPU

RPU
30001



NO X REFERENCES

PROJECT

FB-111A

TITLE

EJECT RACK RPU

QC

Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

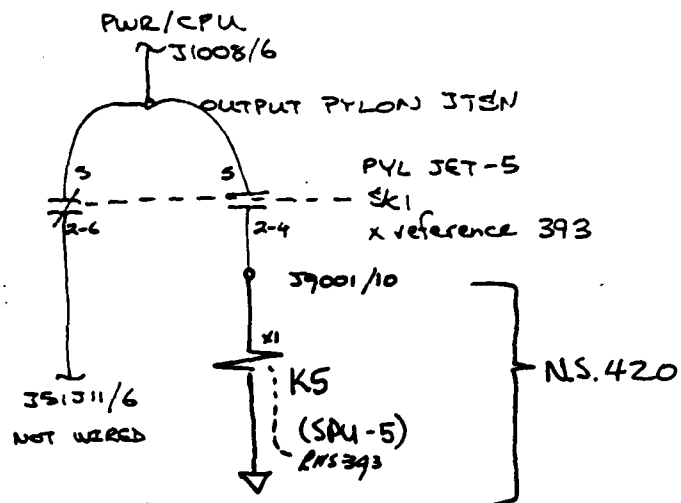
NODAL SET

194

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



INCLUDES N.S. 420

PROJECT

FB-111A

TITLE

OUTPUT PYLON JTSN

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

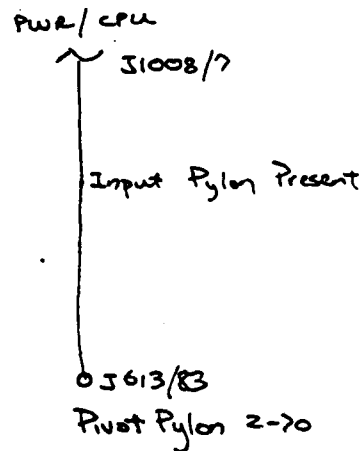
*

195

SNEAK CIRCUITS NETWORK TREE

REV

NO X REFERENCES



PROJECT

FB-111A

TITLE

Input Pylon Present

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

196

H011-205

THE BOEING AEROSPACE COMPANY, SEATTLE, WASHINGTON, U.S.A. C-107

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31008/9

SPU-5

K4, OUTPUT STORE JTSN

x reference NS 279

PROJECT

FB-111A

TITLE

OUTPUT STORE JTSN, SPU-5

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

197

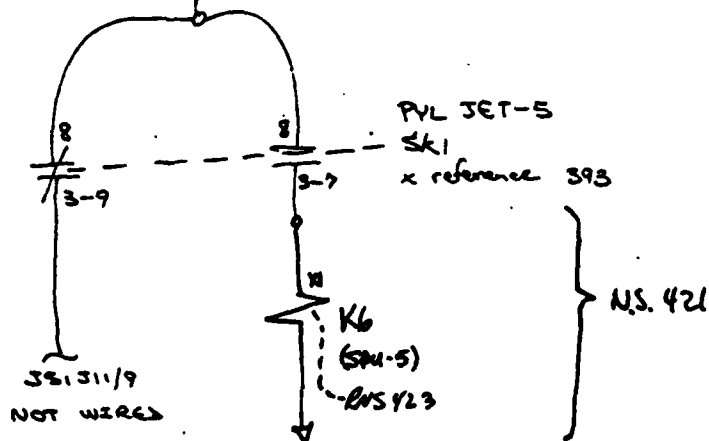
SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31008/10

Output Pyl JTSN



*INCLUDES N.S. 421

PROJECT

FB-111A

TITLE

OUTPUT PVL JTSN,

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

*

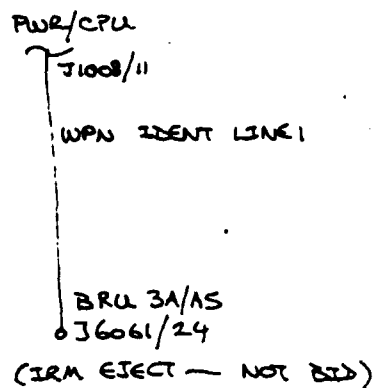
198

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

NO X REFERENCES



PROJECT

TITLE

FB-111A

WPN IDENT LINE 1 TO IRM EJECT

PC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

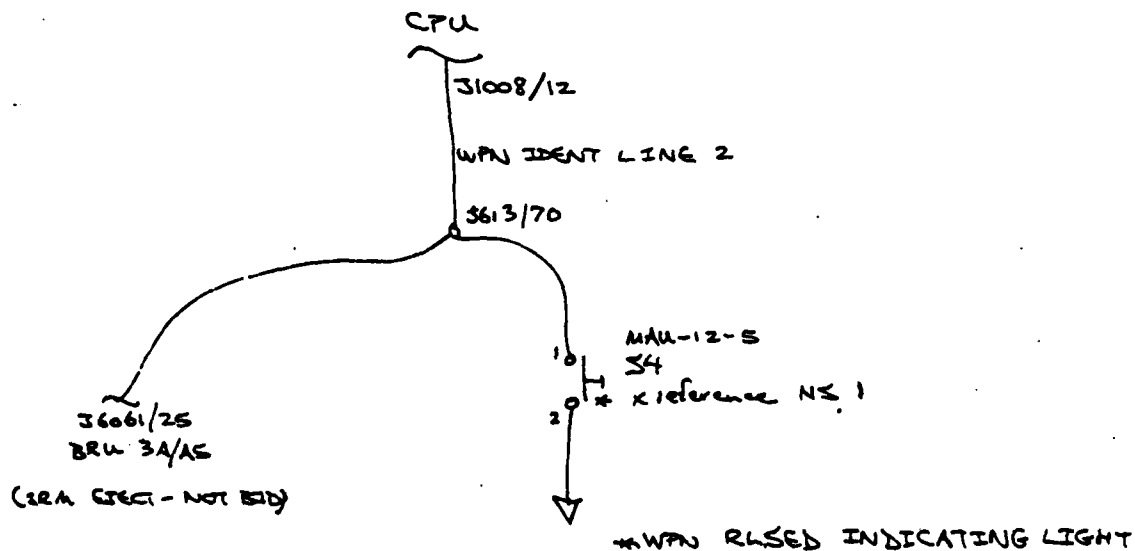
9/18/75

NODAL SET

199

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB-111A

WPN IDENT LINE 2

PC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

200

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

NO X REFERENCES

PWR/CPU

J1008/13

WPN IDENT LINE 3

BRU 3A/AS

J6061/26

(NOT BID - IRM EJECT)

PROJECT

FB-111A

TITLE

WPN IDENT LINE 3

QC

+ Stokes

DATE

9-29-75

ANALYST

M. Horvath

DATE

9/18/75

NODAL SET

201

SNEAK CIRCUITS NETWORK TREE

REV

NO X REFERENCES

PWR/CPU

J1008/14

WPN IDENT LINE 4

BRU 3A/AS

J6061/23

(NOT BID - IRM EJECT)

PROJECT

FB-111A

TITLE

WPN IDENT LINE 4

QC

+ Stokes

DATE

9-29-75

ANALYST

M. Horvath

DATE

9/18/75

NODAL SET

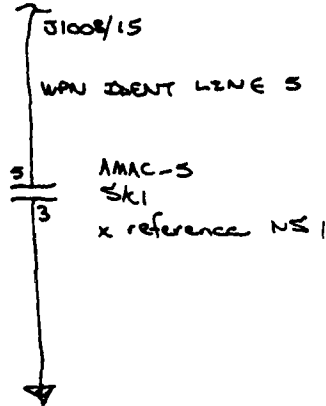
202

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

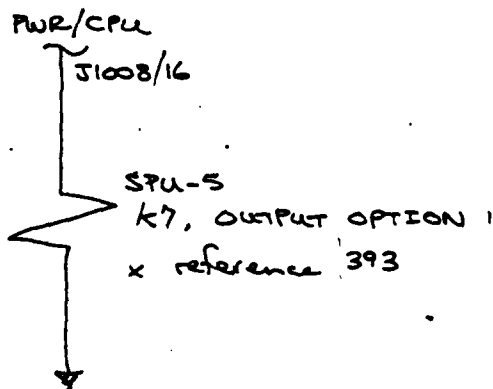
PWR/CPU (NOT REAL PWR - ALL CPU PINS BID TO PWR)



PROJECT	TITLE				
FB-111A	WPN IDENT LINE 5				
DATE	ANALYST	DATE	NODAL SET		
P. Stokes 9-29-75	M. Barnett	9/18/75	203		

SNEAK CIRCUITS NETWORK TREE

REV

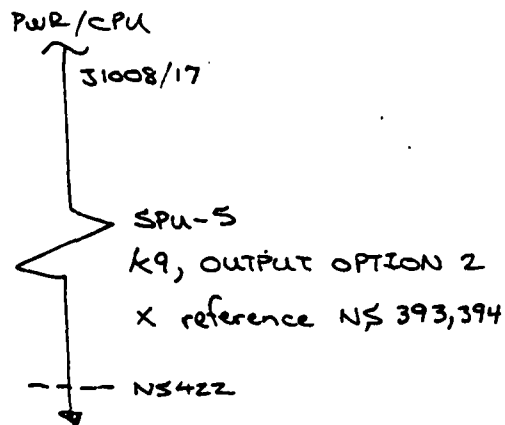


PROJECT	TITLE				
FB-111A	OUTPUT OPTION 1, SPU-5				
DATE	ANALYST	DATE	NODAL SET		
P. Stokes 9-29-75	M. Barnett	9/18/75	204		

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



* INCLUDES NODAL SET 422

PROJECT

FB-111A

TITLE

OUTPUT OPTION 2, SPU-5

QC
+ Stokes

DATE

9-29-75

ANALYST

m Barnett

DATE

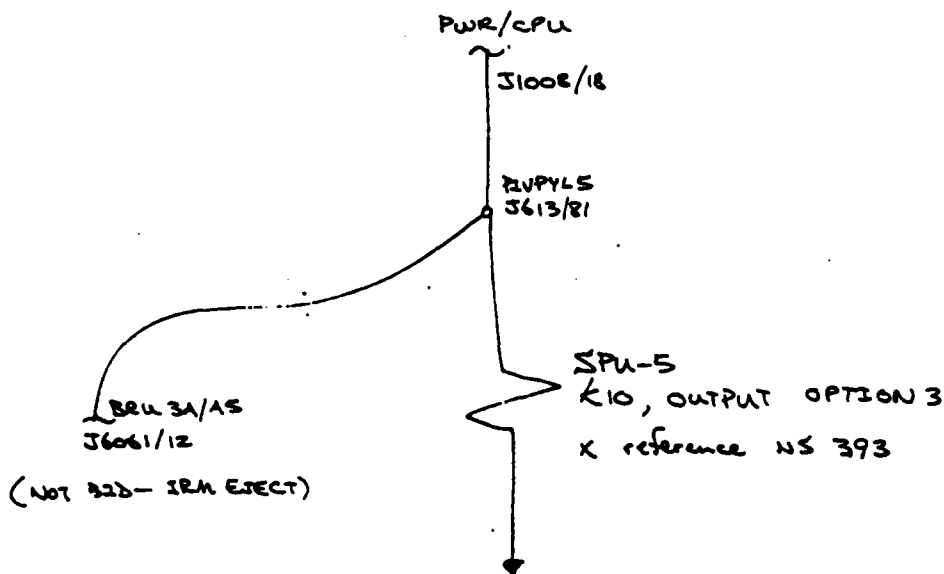
9/18/75

NODAL SET

205*

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 3, SPU-5

QC
+ Stokes

DATE

9-29-75

ANALYST

m Barnett

DATE

9/18/75

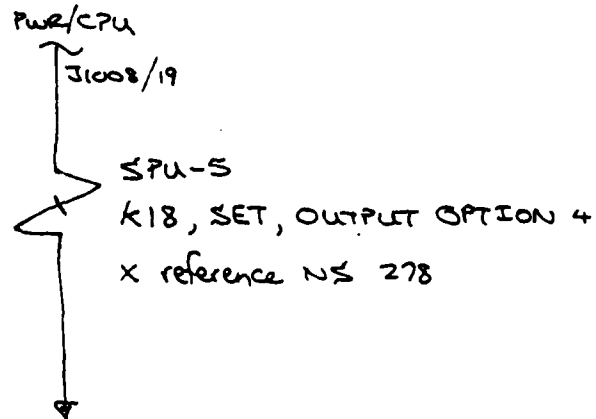
NODAL SET

206

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 4, SPU-5

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

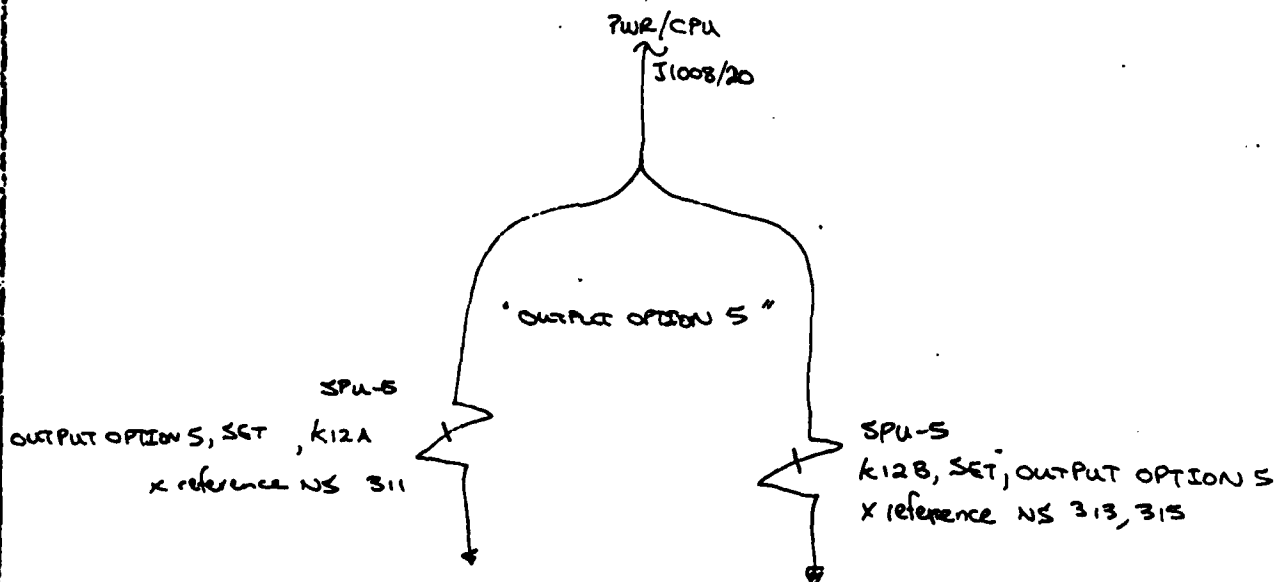
9/18/75

NODAL SET

207

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 5, SPU-5

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

208

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/22

SPU-5

K14, OUTPUT OPTION 7

X reference NS 1, 393

PROJECT

FB-111A

TITLE

OUTPUT OPTION 7, SPU-5

BY

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

209

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/23

SPU-5

K15, SET, OUTPUT OPTION 8

X reference NS 1, 393

PROJECT

FB-111A

TITLE

OUTPUT OPTION 8, SPU-5

BY

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/18/75

NODAL SET

210

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31008/24

SPU-5

K16, OUTPUT OPTION 9

X reference NS 278

PROJECT

FB-111A

TITLE

OUTPUT OPTION 9 - SPU-5

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

211

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31008/25

SPU-5

K17, OUTPUT OPTION 10

X reference 1, 392

PROJECT

FB-111A

TITLE

OUTPUT OPTION 10, SPU-5

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

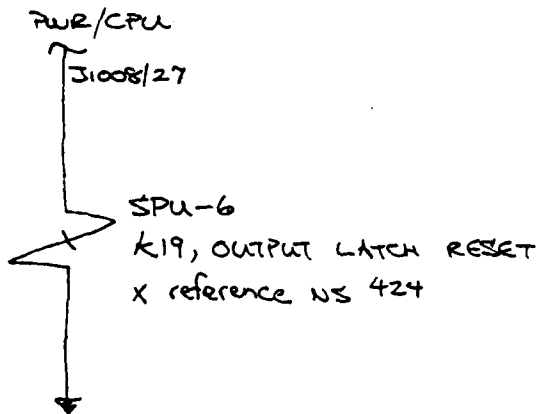
9/19/75

NODAL SET

212

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB-111A

OUTPUT LATCH RESET — SPU-6

QC

DATE

9-29-75

ANALYST

DATE

9/19/75

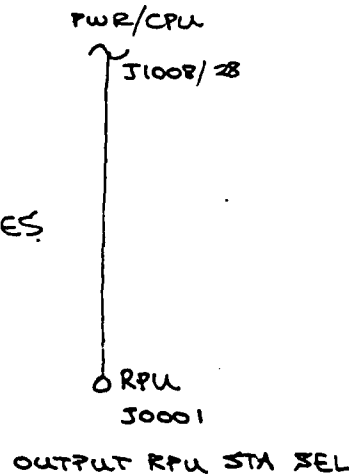
NODAL SET

213

SNEAK CIRCUITS NETWORK TREE

REV

NO X REFERENCES



PROJECT

TITLE

FB-111A

OUTPUT RPU STA SEL

QC

DATE

9-29-75

ANALYST

DATE

9/19/75

NODAL SET

214

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

51008/29

SPU-6

K3, OUTPUT STORE JTSN
x reference NS 424

PROJECT

FB-111A

TITLE

OUTPUT STORE JTSN — SPU-6

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Bennett

DATE

9/19/75

NODAL SET

215

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

51008/30

NO X REFERENCES

EJECT RACK RPU

O RPU

30001/22

PROJECT

FB-111A

TITLE

EJECT RACK RPU

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Bennett

DATE

9/19/75

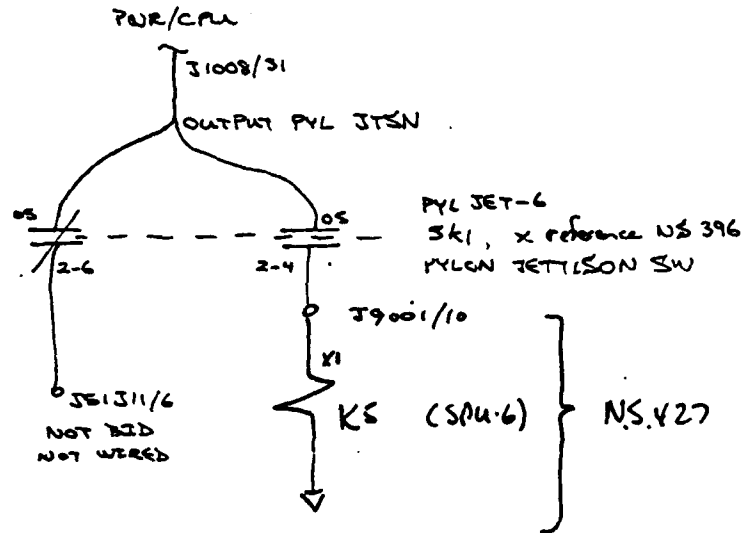
NODAL SET

216

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



* Includes N.S. 427

PROJECT

FB-111A

TITLE

OUTPUT PYLON JTSN

ANALYST

DATE

9-29-75

ANALYST

DATE

9/19/75

NODAL SET

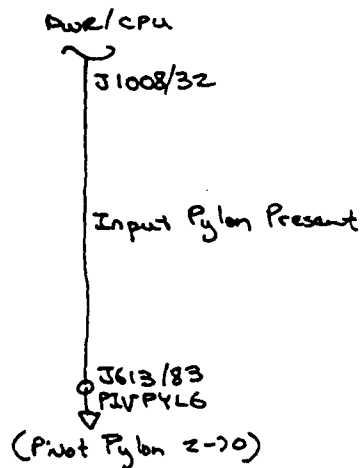
*

217

SNEAK CIRCUITS NETWORK TREE

REV

NO X REFERENCE



PROJECT

FB-111A

TITLE

Input Pylon Present

ANALYST

DATE

9-29-75

ANALYST

DATE

9/19/75

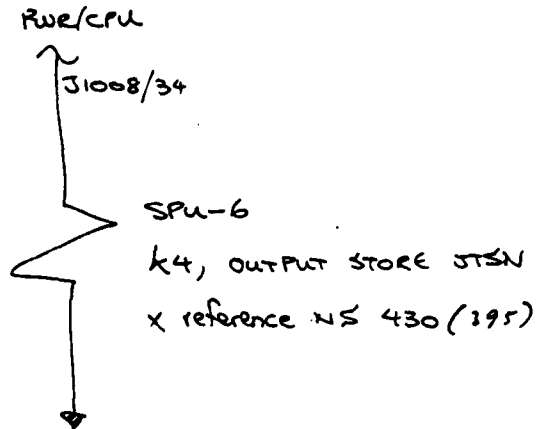
NODAL SET

218

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT STORE JTSN — SPU-6

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

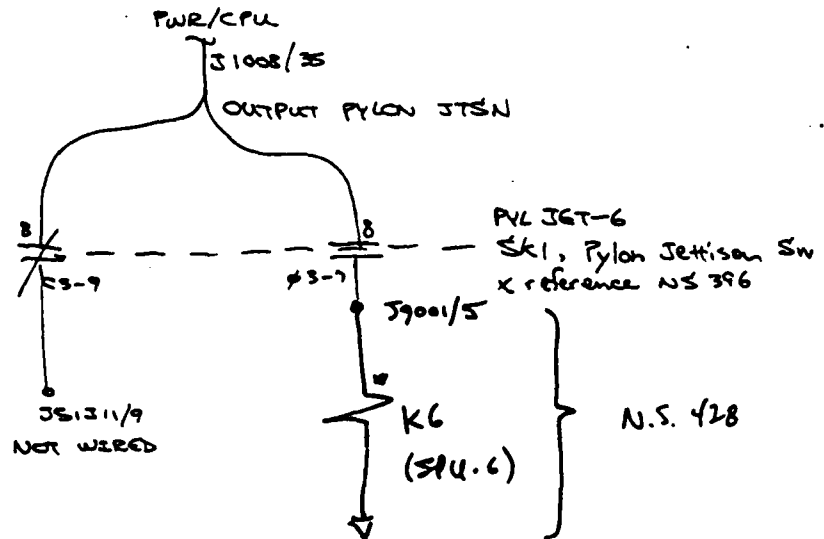
9/19/75

NODAL SET

219

SNEAK CIRCUITS NETWORK TREE

REV



* Includes N.S. 428

PROJECT

FB-111A

TITLE

OUTPUT PYLON JTSN

QC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

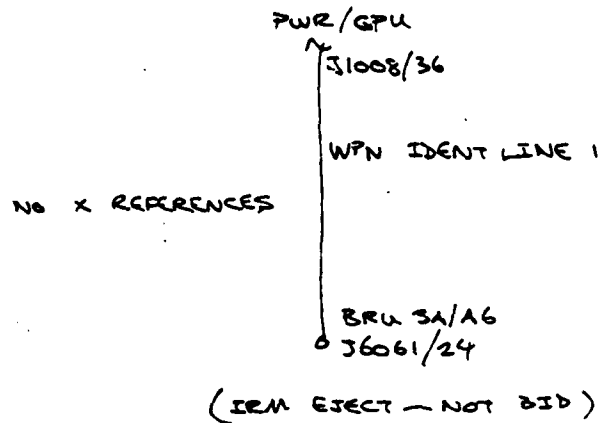
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220

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB-111A

WPN IDENT LINE 1

QC

DATE

9-29-75

ANALYST

DATE

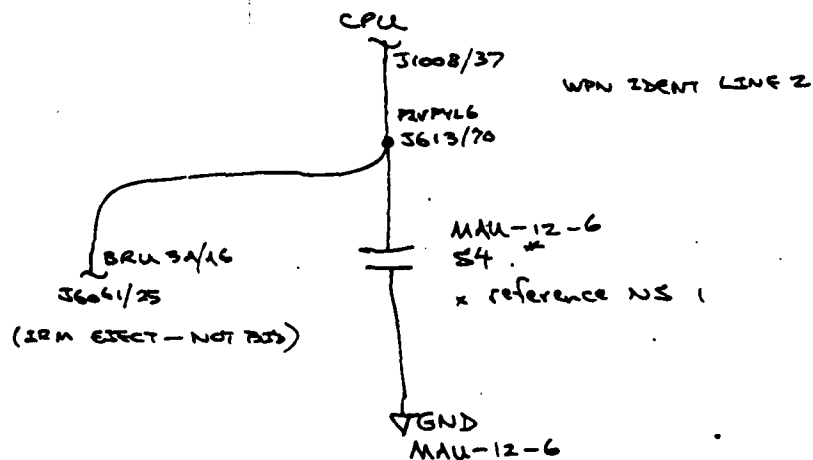
9/19/75

NODAL SET

221

SNEAK CIRCUITS NETWORK TREE

REV



* WPN RELEASED INDICATING SN

PROJECT

TITLE

FB-111A

WPN IDENT LINE 2

QC

DATE

9-29-75

ANALYST

DATE

9/19/75

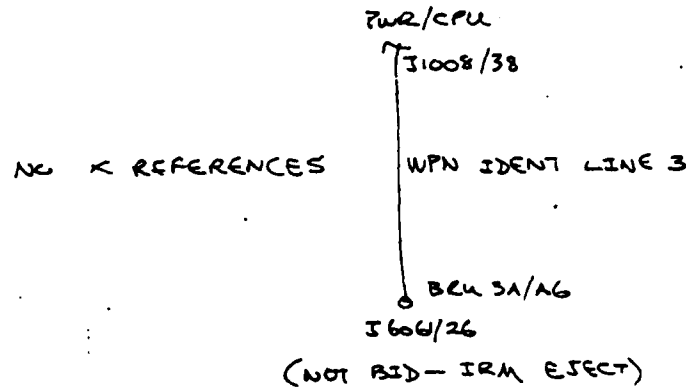
NODAL SET

222

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB-111A

WPN IDENT LINE 3

DATE

DATE

9-29-75

ANALYST

DATE

9/19/75

NODAL SET

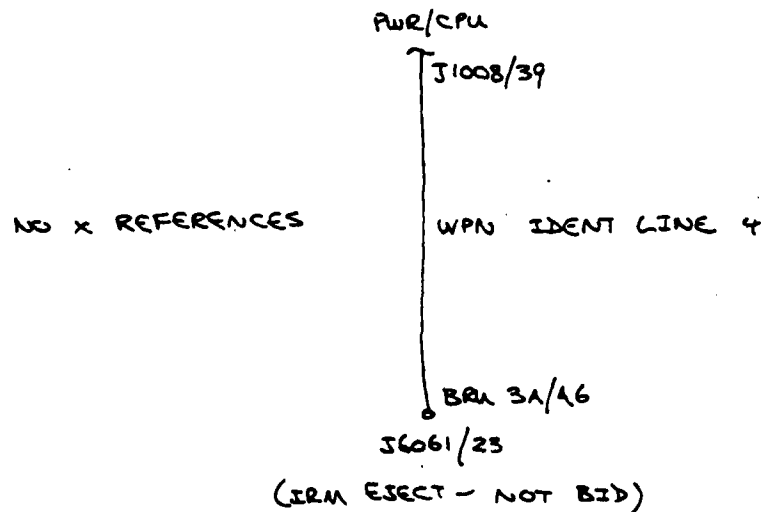
223

P. Stokes

M. Barnett

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB-111A

WPN IDENT LINE 4

DATE

DATE

9-29-75

ANALYST

DATE

9/19/75

NODAL SET

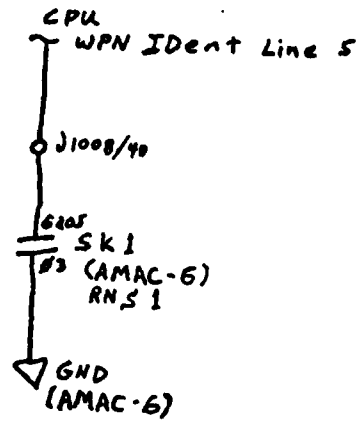
224

P. Stokes

M. Barnett

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Weapon Ident. Line 5 . AMAC-6

PC

J.L.B.

DATE

20-75

ANALYST

DATE

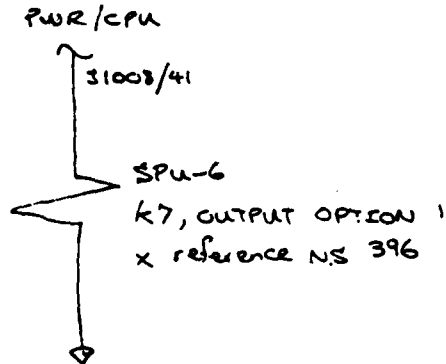
NODAL SET

225

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 1 — SPU-6

QC

+ Stokes

DATE

9-29-75

ANALYST

m Barnett

DATE

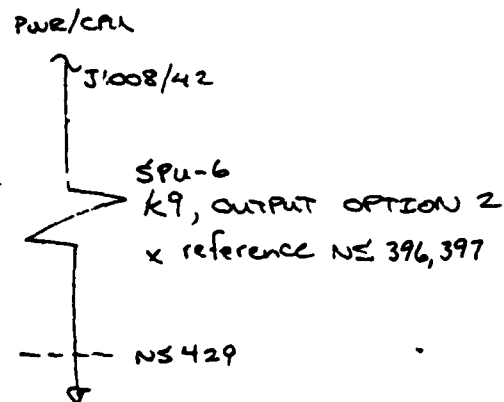
9/19/75

NODAL SET

226

SNEAK CIRCUITS NETWORK TREE

REV



* INCLUDES NODAL SET 429

PROJECT

FB-111A

TITLE

OUTPUT OPTION 2 — SPU-6

QC

+ Stokes

DATE

9-29-75

ANALYST

m Barnett

DATE

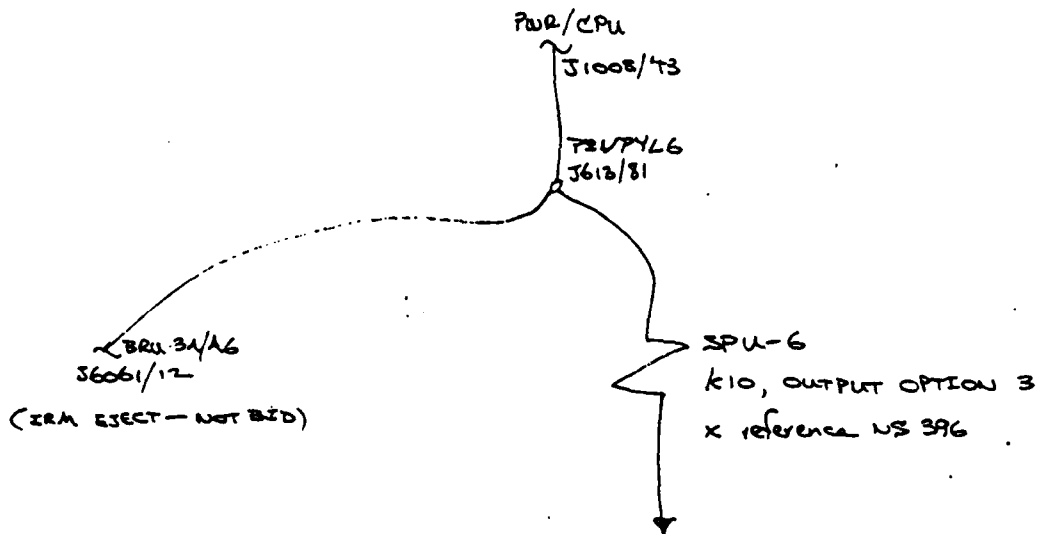
9/19/75

NODAL SET

227*

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 3 — SPU-6

DATE

9-29-75

ANALYST

M Barnett

DATE

9/19/75

NODAL SET

228

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/44

SPU-6

K18, SET, OUTPUT OPTION 4

X reference NS 424

PROJECT

FB-111A

TITLE

OUTPUT OPTION 4 — SPU-6

PC

Stokes

DATE

9-29-75

ANALYST

M Barnett

DATE

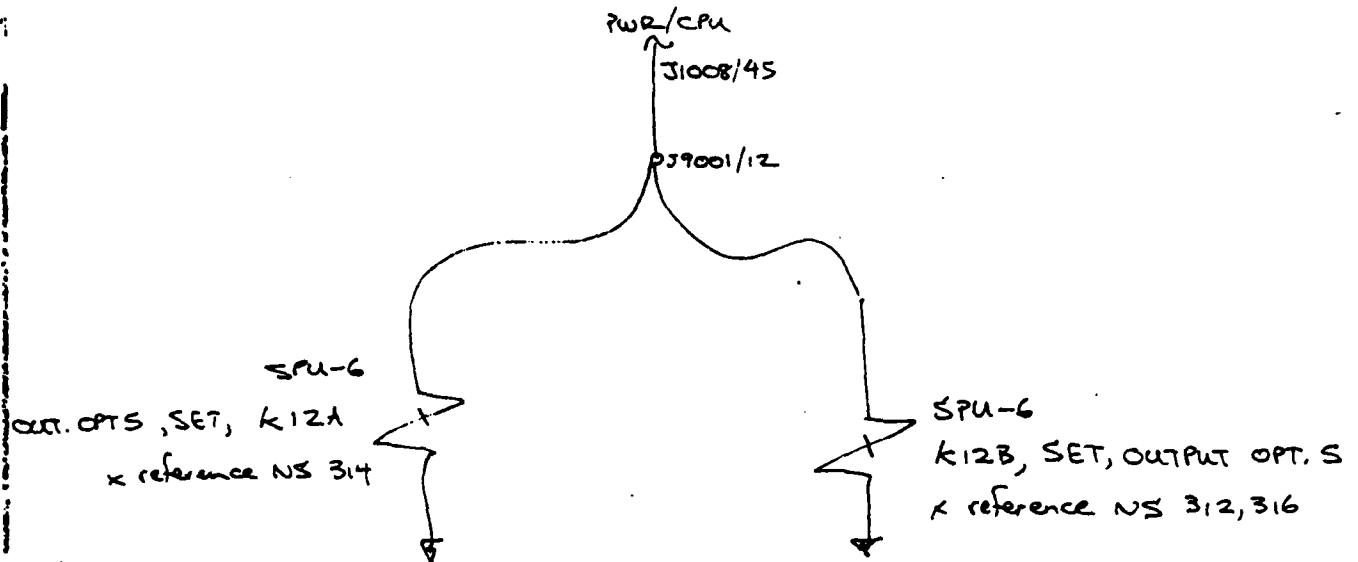
9/19/75

NODAL SET

229

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

OUTPUT OPTION 5 — SPU-6

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

230

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/47

SPU-6

K14, OUTPUT OPTION 7
x reference NS 1,396

PROJECT

FB-111A

TITLE

OUTPUT OPTION 7 — SPU-6

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

231

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31008/48

SPU-6

K15, SET, OUTPUT OPTION 8
x reference NS 1,396

PROJECT

FB-111A

TITLE

OUTPUT OPTION 8 — SPU-6

PC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

232

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

31008/49

SPU-6

K16, OUTPUT OPTION 9
x reference NS 424

PROJECT

FB-111A

TITLE

OUTPUT OPTION 9 — SPU-6

PC

P. Stokes

DATE

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

233

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/50

SPU-6

K17, OUTPUT OPTION 10

x reference NS 1,395

PROJECT

FB-111A

TITLE

OUTPUT OPTION 10 — SPU-6

PC

DATE

P. Stokes

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

234

SNEAK CIRCUITS NETWORK TREE

REV

PWR/CPU

J1008/51

NO x REFERENCES

ENG DERICH

OPEN END

(NOT BID)

PROJECT

FB-111A

TITLE

ENG DERICH — NOT BID

PC

DATE

P. Stokes

9-29-75

ANALYST

M. Barnett

DATE

9/19/75

NODAL SET

235

SNEAK CIRCUITS NETWORK TREE

REV

CPU
J1009FIXPYL 7
J6022

1	OUTPUT STA SEL RELAY	3
2	OUTPUT LATCH RESET	1
4	OUTPUT STORE JTSN	8
6	OUTPUT PYL JTSN	9
7	INPUT PYL PRESENT	2
8	OUTPUT STA SEL RELAY	7
9	OUTPUT STORE JTSN	13
10	OUTPUT PYL JTSN	12
11	WPN IDENT LINE 1	4
12	WPN IDENT LINE 2	5
13	WPN IDENT LINE 3	6
14	WPN IDENT LINE 4	10
16	OUTPUT OPTION 1	14
17	OUTPUT OPTION 2	15
18	OUTPUT OPTION 3	16
19	OUTPUT OPTION 4	17
20	OUTPUT OPTION 5	18
21	OUTPUT OPTION 6	19
3	OUTPUT RPU STA SEL	10
5	EJECT RACK RPU	23

RPU
J0001

PROJECT

FB-111A

TITLE

CPU TO FIXPYL 7 AND RPU

QC

DATE

ANALYST

DATE 9/17/66

NODAL SET

SNEAK CIRCUITS NETWORK TREE

REV

CPU
J1009

22	OUTPUT STA SEL RELAY	3
23	OUTPUT LATCH RESET	1
25	OUTPUT STORE JTSN	8
27	OUTPUT PYL JTSN	9
28	INPUT PYL PRESENT	2
29	OUTPUT STA SEL RLY	7
30	OUTPUT STORE JTSN	13
31	OUTPUT PYL JTSN	12
32	WPN IDENT LINE 1	4
33	WPN IDENT LINE 2	5
34	WPN IDENT LINE 3	6
35	WPN IDENT LINE 4	10
37	OUTPUT OPTION 1	14
38	OUTPUT OPTION 2	15
39	OUTPUT OPTION 3	16
40	OUTPUT OPTION 4	17
41	OUTPUT OPTION 8	18
42	OUTPUT OPTION 9	19

FIXPYLB
36022

24	OUTPUT RPU STA SEL	11
26	EJECT RACK RPU	24

RPU
J0001

SUBJECT

FB-111A

TITLE

CPU TO FIXPYLB AND RPU

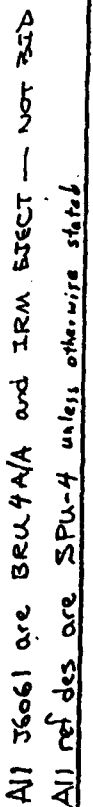
DATE

ANALYST

DATE

NODAL SET

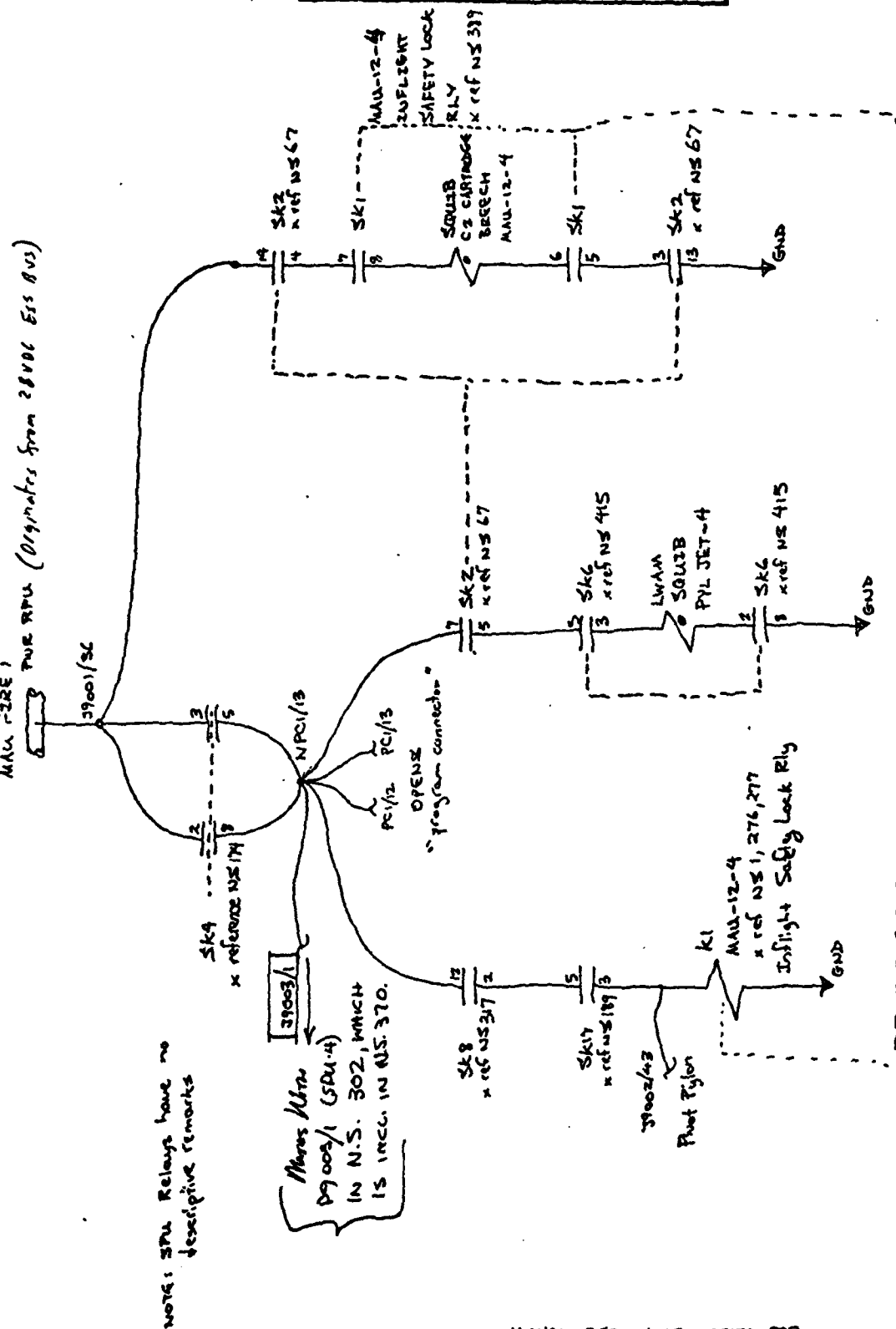
REV



276 *

SNEAK CIRCUITS NETWORK TREE

REV



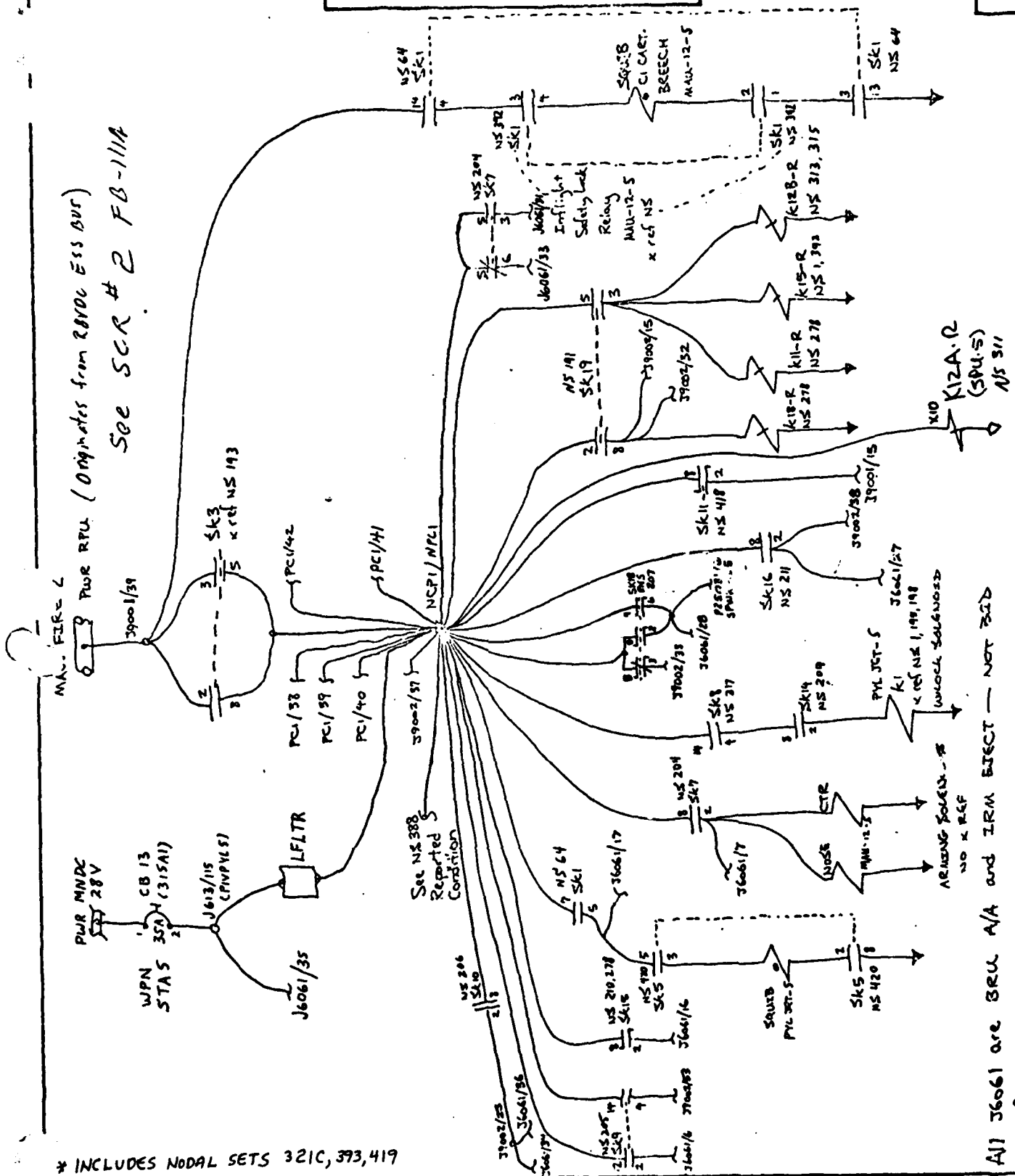
Reference Designator is SPU-4 unless otherwise noted
All relay contacts shown have an NC set that is not connected — they have been deleted for clarity.

* INCLUDES NODAL SETS 389,417

SUBJECT FB-111A		TITLE PYLON JET & C2 CARTRIDGE BREECH SQUIBS	
QC + [Signature]	DATE 9-30-75	ANALYST [Signature]	DATE 9/16/75
		NODAL SET 277*	

SNEAK CIRCUITS NETWORK TREE

REV



All 36061 are BRU A/A and IRM EJECT — NOT 360

All ref des are SPU-5 unless otherwise stated

* INCLUDES NODAL SETS 321C, 393, 419

PROJECT
FB-111A

TITLE

ARMING SOLENOIDS & SQUIBS

RE
T. Stokes

DATE _____

9-30-75

ANALYST

DATE _____

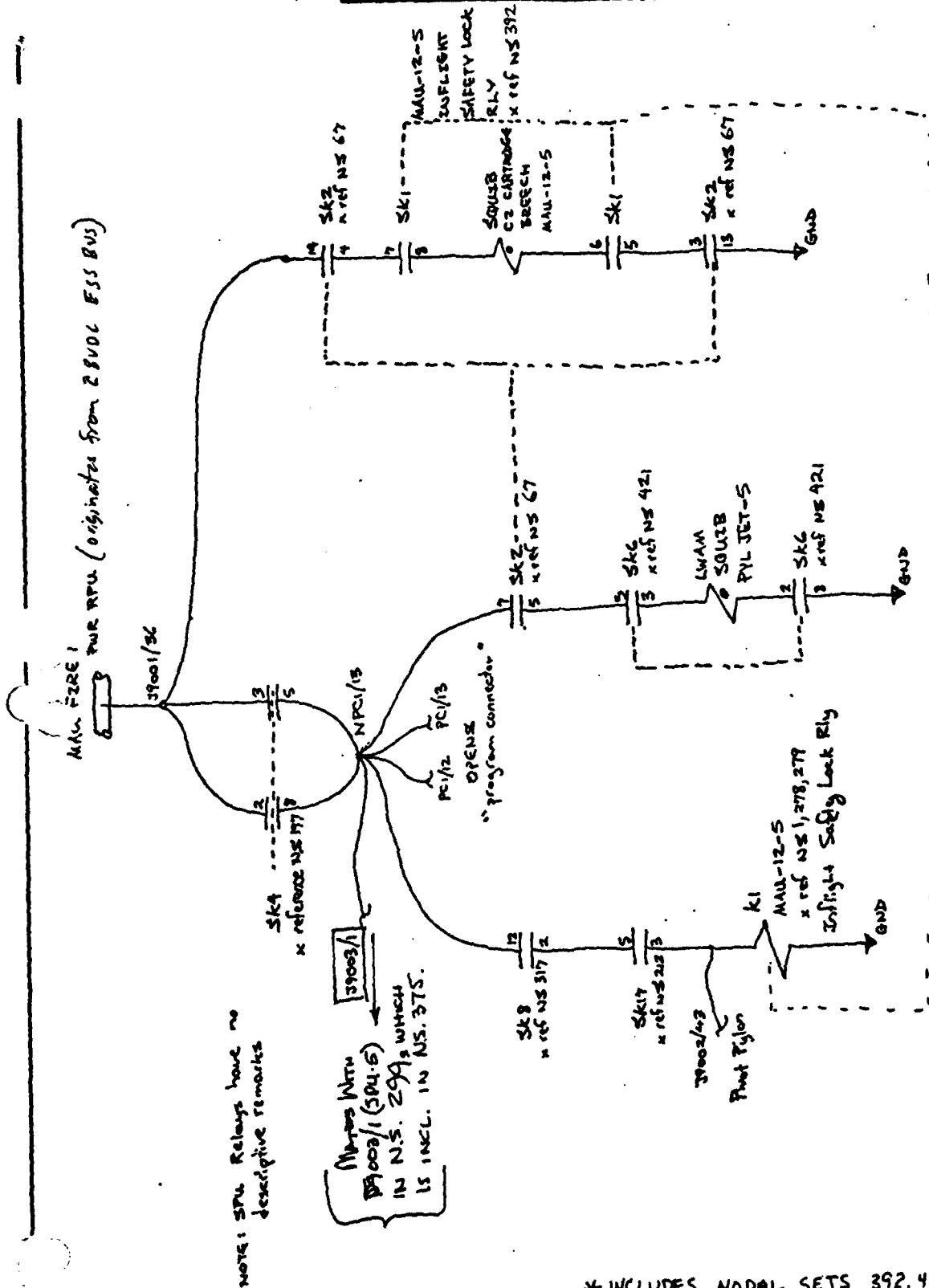
9/16/75

NODAL SET

278 *

SNEAK CIRCUITS NETWORK TREE

REV



Reference Designator is SPU-5 unless otherwise noted

All relay contacts shown have an NC set that is not connected — they have been deleted for clarity.

* INCLUDES NODAL SETS 392, 423

SUBJECT		TITLE	
FB-111A		PYLON JET & C2 CARTRIDGE BREECH SQUIBS	
QC	DATE	ANALYST	DATE
9-20-75	9-20-75	9/16/75	279*

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR

"MAU FIRE 2"

J2/5 (RPU)

J6/5 (308)

J6006/11 (Fixed Pyl. 6)

NO DATA

PROJECT

FB111A

TITLE

"MAU FIRE 2" - Fixed Pylon 6

QC

J. Stokes

DATE

9-30-75

ANALYST

L. Bone

DATE

9-17-75

NODAL SET

280

SNEAK CIRCUITS NETWORK TREE

REV

PWR

"MAU FIRE 1"

J2/6 (RPU)

J6/6 (308)

J6006/14 (Fixed Pyl. 6)

NO DATA

PROJECT

FB111A

TITLE

"MAU FIRE 1" - Fixed Pylon 6

QC

J. Stokes

DATE

9-30-75

ANALYST

L. Bone

DATE

9-17-75

NODAL SET

281

SNEAK CIRCUITS NETWORK TREE

REV

PWR

"MAU FIRE 2"

J2/7 (RPU)

J10/15 (300)

J6022/29 (FIXED PYL 7)

PROJECT

FB111A

TITLE

"MAU FIRE 2" - Fixed Pylon 7

QC

P. Stokes

DATE

9-30-75

ANALYST

L. Brown

DATE

9-17-75

NODAL SET

282

SNEAK CIRCUITS NETWORK TREE

REV

PWR

"MAU FIRE 1"

J2/8 (RPU)

J10/16 (300)

J6022/36 (FIXED PYL 7)

PROJECT

FB111A

TITLE

"MAU FIRE 1" - Fixed Pylon 7

QC

P. Stokes

DATE

9-30-75

ANALYST

L. Brown

DATE

9-17-75

NODAL SET

283

SNEAK CIRCUITS NETWORK TREE

REV

PWR

"RACK FIRE"

J3/1 (RPU)

J10/17 (309)

J6022/31 (FIXED PYL. 1)

PROJECT

FB111A

TITLE

"RACK FIRE" - Fixed Pylon 1

OF

DATE

9-30-75

ANALYST

DATE

9-17-75

NODAL SET

284

SNEAK CIRCUITS NETWORK TREE

REV

PWR

"RACK FIRE"

J3/2 (RPU)

J10/14 (309)

J6022/31 (FIXED PYL. 2)

PROJECT

FB111A

TITLE

"RACK FIRE" - Fixed Pylon 2

OF

DATE

9-30-75

ANALYST

DATE

9-17-75

NODAL SET

285

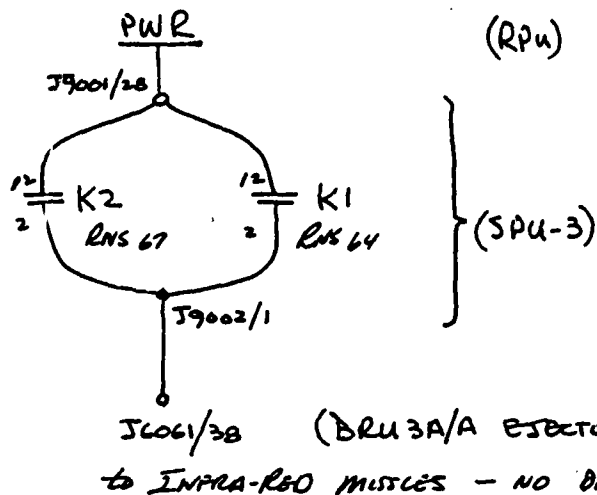
D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

▷ "RACK FIRE"

▷ ASSUMED TO BE
COMMAND FROM
Reverse Program UNIT



PROJECT

FB111A

TITLE

"Rack Fire" - SPU-3

QC

J. Stokes

DATE

9-30-75

ANALYST

L. Bon

DATE

9-17-75

NODAL SET

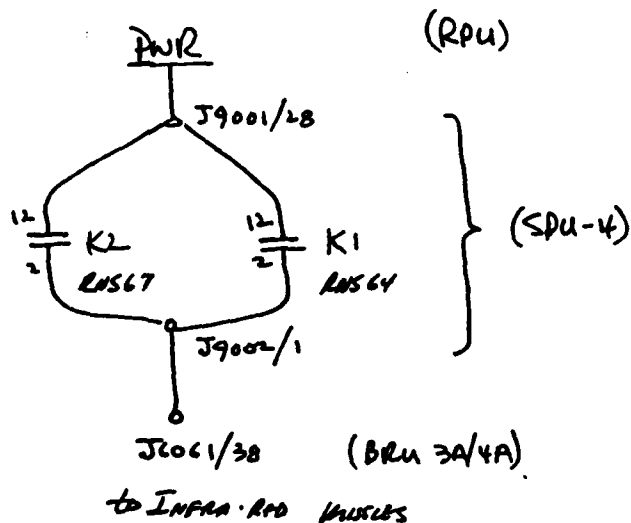
286

SNEAK CIRCUITS NETWORK TREE

REV

"Rack Fire"

(1) SEE NOTE, N.S. 286.



PROJECT

FB111A

TITLE

"Rack Fire" - SPU-4

QC

J. Stokes

DATE

9-30-75

ANALYST

L. Bon

DATE

9-17-75

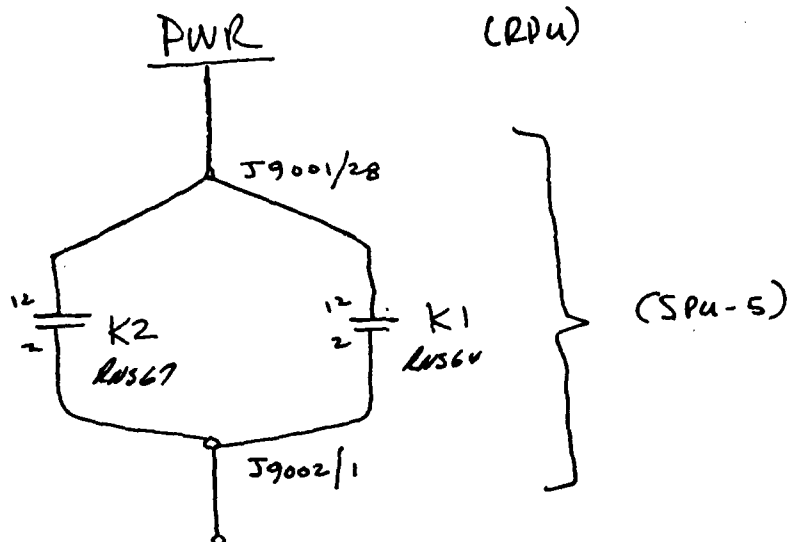
NODAL SET

287

SNEAK CIRCUITS NETWORK TREE

REV

"Rack Fire"



J6061/38 (BRU 3A/A5
to INTRA-ROD MISSILES

(1) SEE NOTE  ON N.S. 286

OBJECT FB111A		TITLE "Rack Fire — SPU-5"	
QC + Stakos	DATE 9-30-75	ANALYST L. H.	DATE 9-17-75
NODAL SET			288

SNEAK CIRCUITS NETWORK TREE

REV

PWR/RPU



RACK FIRE

RPU

J0003/6

308

J26/14

FIX PYL 6

J6006/13

FIX PYLON
NOT ANALYZED

PROJECT

FB III-A

TITLE

FIX PYLON 6, RACK FIRE

QC

T. Stokes

DATE

9-30-75

ANALYST

P. Vale Jr.

DATE

9-23-75

NODAL SET

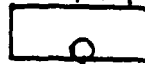
0289

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/RPU



RPU

RACK FIRE

30003/7

308

310/17

FIX PYL 7

36022/31

FIX PYLON
NOT ANALYZED

PROJECT

FBIII-A

TITLE

FIX PYLON 7, RACK FIRE

QC

P. Stokes

DATE

9-30-75

ANALYST

P. Vale

DATE

9-23-75

NODAL SET

0290

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/RPU



RACK FIRE

RPU

20003/8

308

210/14

FIX PYL 8

26022/31

FIX PYLON
NOT ANALYZED

PROJECT

FBIII-A

TITLE

FIX PYLON 8, RACK FIRE

QC

P. Stokes

DATE

9-30-75

ANALYST

P. Valen

DATE

9-23-75

NODAL SET

0291

HOU-205

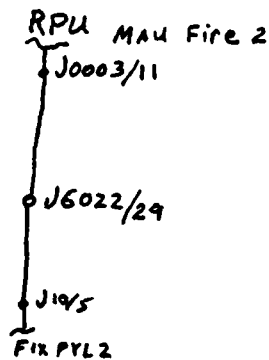
BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS

C-141

D2-118576-3
SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Manual Fire 2

QC

J. Stokes

DATE

9-30-75

ANALYST

J. Verges

DATE

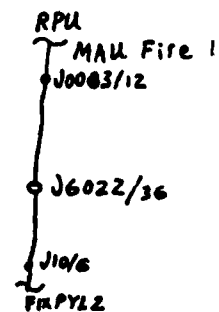
9-23-75

NODAL SET

292

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

Manual Fire 1

QC

J. Stokes

DATE

9-30-75

ANALYST

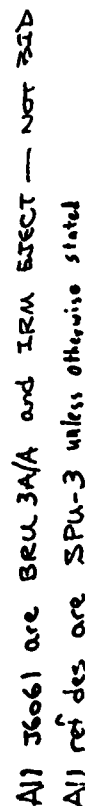
J. Verges

DATE

9-23-75

NODAL SET

293



PROJECT FB-111A		TITLE ARMING SOLENOIDS & SQUIBS			
QC + 8 taken	DATE 9-30-75	ANALYST Mick Hill	DATE 9/16/75	NODAL SET 294 #	

D2-118576-2
SNEAK CIRCUITS NETWORK TREE

REV

MAU FIRE 1
PWR RPU (originates from 28VDC SSC BUS)

39001/5C

NOTE: SPU Relays have no descriptive remarks

SK4
x ref NS 152

NPIC/13

SEEN N.S.
365: 39003/1
PARTS WITH 39003/1
(SP4.3) IN N.S. 303
WHICH IS INCL.
IN N.S. 365

PC/12 PC/13
OPENZ
"program connector"

SK2
x ref NS 67

SKC
x ref NS 409

LWAM
SQUIB
PYL JET-3

SKC
x ref NS 409

MAU-12-3
x ref NS 1, 294, 295
Inflight Safety Lock Rly

SK17
x ref NS 67

39003/43
Pylon

MAU-12-3
x ref NS 67

SK2
x ref NS 67

SK1
x ref NS 386

SQUIB
C2 CARTRIDGE
BREECH
MAU-12-3

MAU-12-3
INFLIGHT
SAFETY LOCK
RLY
x ref NS 386

SK2
x ref NS 67

SK1
x ref NS 67

SK2
x ref NS 67

SKC
x ref NS 409

SKC
x ref NS 409

* INCLUDES NODAL SETS 386, 411

Reference Designator is SPU-3 unless otherwise noted
[All relay contacts shown have an NC set that is not connected—they have been deleted for clarity.]

PROJECT	FB-111A	TITLE	PYLON JET & C2 CARTRIDGE BREECH SQUIBS
DATE	9-30-75	ANALYST	M. Bennett
DATE	9/16/75	NODAL SET	295*

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-144

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

ESS +28VDC

PWR/ESDC
304A1
CBS
20 A
PRDG REL B
304A1

NRPU
RPU

J0004/1
ESS BUS

J0004/2
MAIN BUS 1

J0004/3
MAIN BUS 1

J0004/4
MAIN BUS 1

1 DOES NOT AGREE WITH
POWER SOURCE.
SEE DER # FB-111A-1

PROJECT

FB-111A

TITLE

PRDG REL 'B'

QC

DATE

H. H. H. H.

10/2/75

ANALYST

DATE

T. Stokes

9-22-75

NODAL SET

296

SNEAK CIRCUITS NETWORK TREE

REV

ESS +28VDC

PWR/ESDC
304A1
CBS
2.5 A
304A1
WS 1,2,7,8

J10/19
309

J6022/28
FIXPYL1

J6022/28
FIXPYL2

J10/19
308

J6022/28
FIXPYL7

J6022/28
FIXPYL8

PROJECT

FB-111A

TITLE

WS 1, 2, 7, 8

QC

DATE

H. H. H. H.

10/2/75

ANALYST

DATE

T. Stokes

9-22-75

NODAL SET

297

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 381

PROJECT

FB-111A

TITLE

AMAC-6

QC

DATE

ANALYST

P. Stokes

DATE

8-28-75

NODAL SET

298

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-746

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 375

PROJECT

FB-111A

TITLE

AMAC-5

QC

DATE

ANALYST

A. J. Stokes

DATE

8-28-75

NODAL SET

299

HOU-205

BOEING

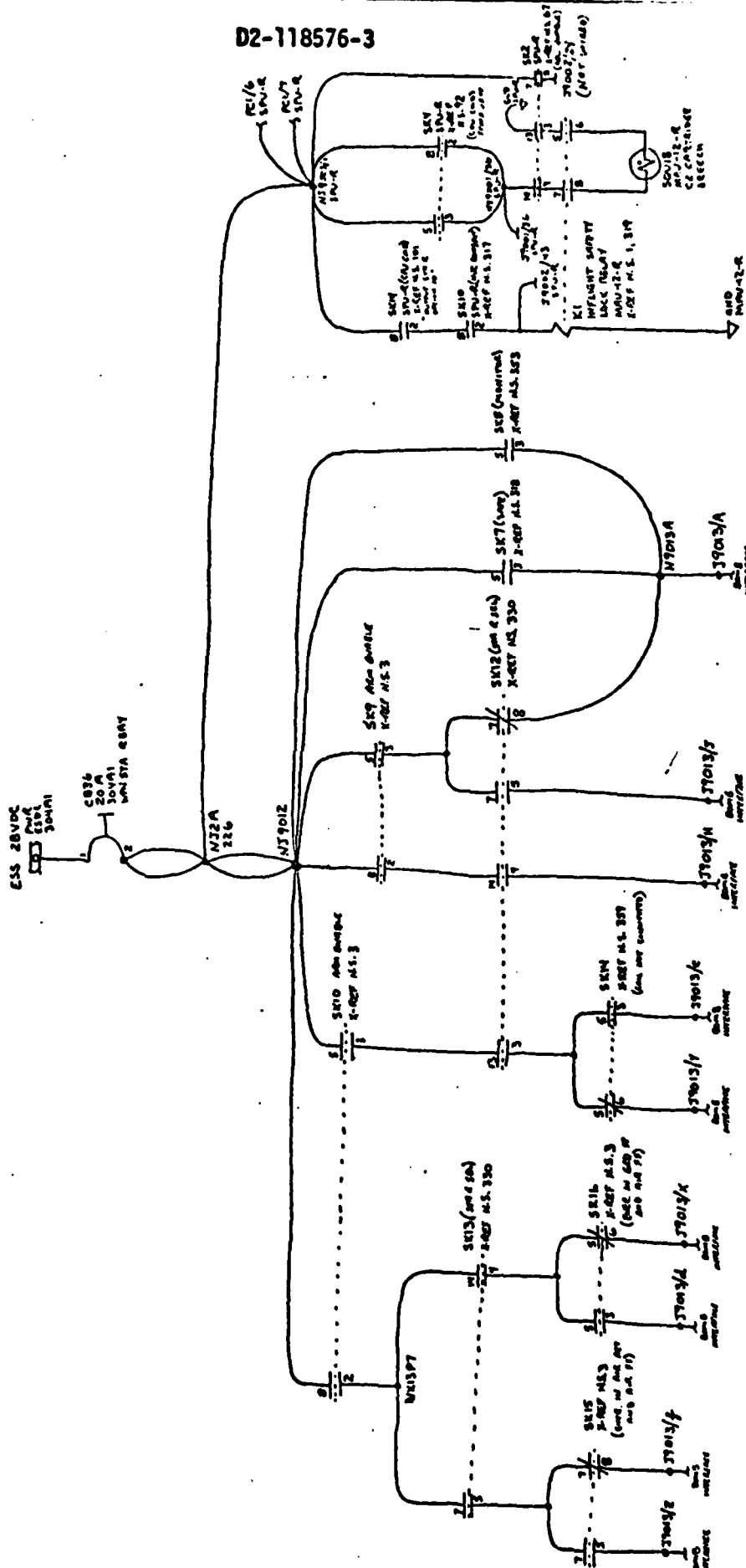
AEROSPACE COMPANY - HOUSTON, TEXAS

C-147

SNEAK CIRCUITS NETWORK TREE

REV

D2-118576-3



NOTES:
 1. REP DCS IS AMAC-R UNLESS OTHERWISE SHOWN
 2. SK19 / SK20 CASE AT THE SAME TIME
 3. SK12 / SK13 CASE AT THE SAME TIME

PROJECT FB-111A TITLE AMAC-R

DATE 9/20/75 ANALYST DATE 9-23-75

NODAL SET 300

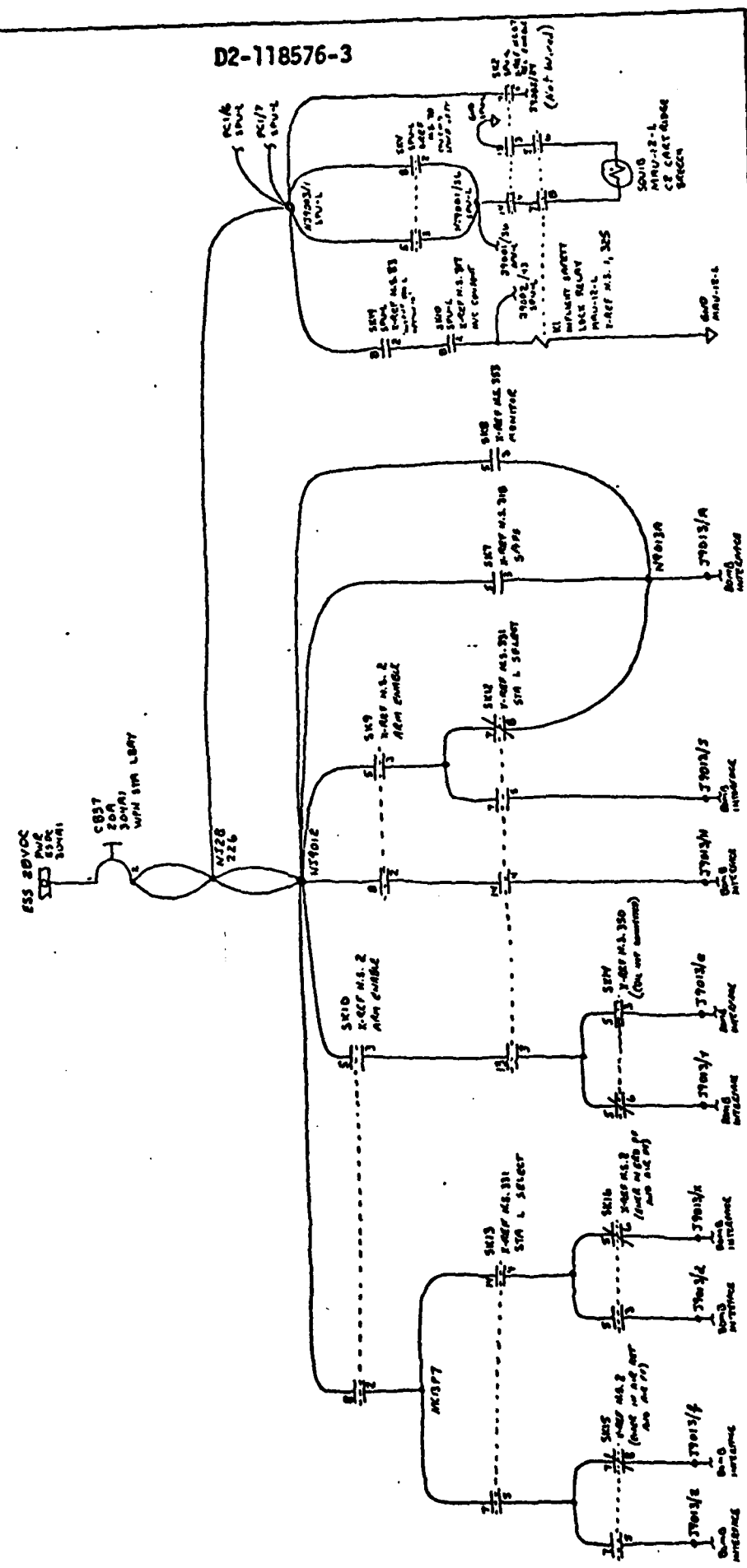
POW-78-2

THE BOEING AIRCRAFT COMPANY - BOEING, WASH.

SNEAK CIRCUITS NETWORK TREE

REV

D2-118576-3



PROJECT	FB-111A	TITLE	AMAC-L
DATE	9/2/57	ANALYST	DATE
OC	4/11/57	DATE	9-23-75
		MODAL SET	301

NOTES:
 1. REF DES IS AMAC-L UNDER SYSCHEMATIC SPAN
 2. SW/SCN CLOSE AT THE SAME TIME
 3. SW/SCN CLOSE AT THE SAME TIME

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 370

PROJECT

FB-111A

TITLE

AMAC-4

QC

DATE

ANALYST

DATE

NODAL SET

302

8-28-75

HOU-705

BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS

C-150

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 365

PROJECT

FB-111A

TITLE

AMAC-3

QC

DATE

ANALYST

DATE

NOL... SET

303

8-28-75

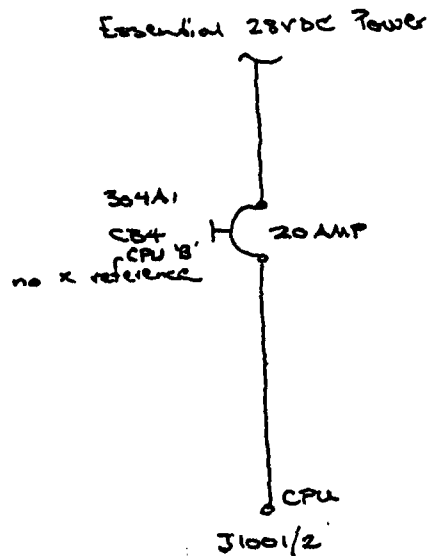
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-151

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

ESS 28VDC TO CPU

QC

DATE

9-30-75

ANALYST

M. M. Mowatt

DATE

9/22/75

NODAL SET

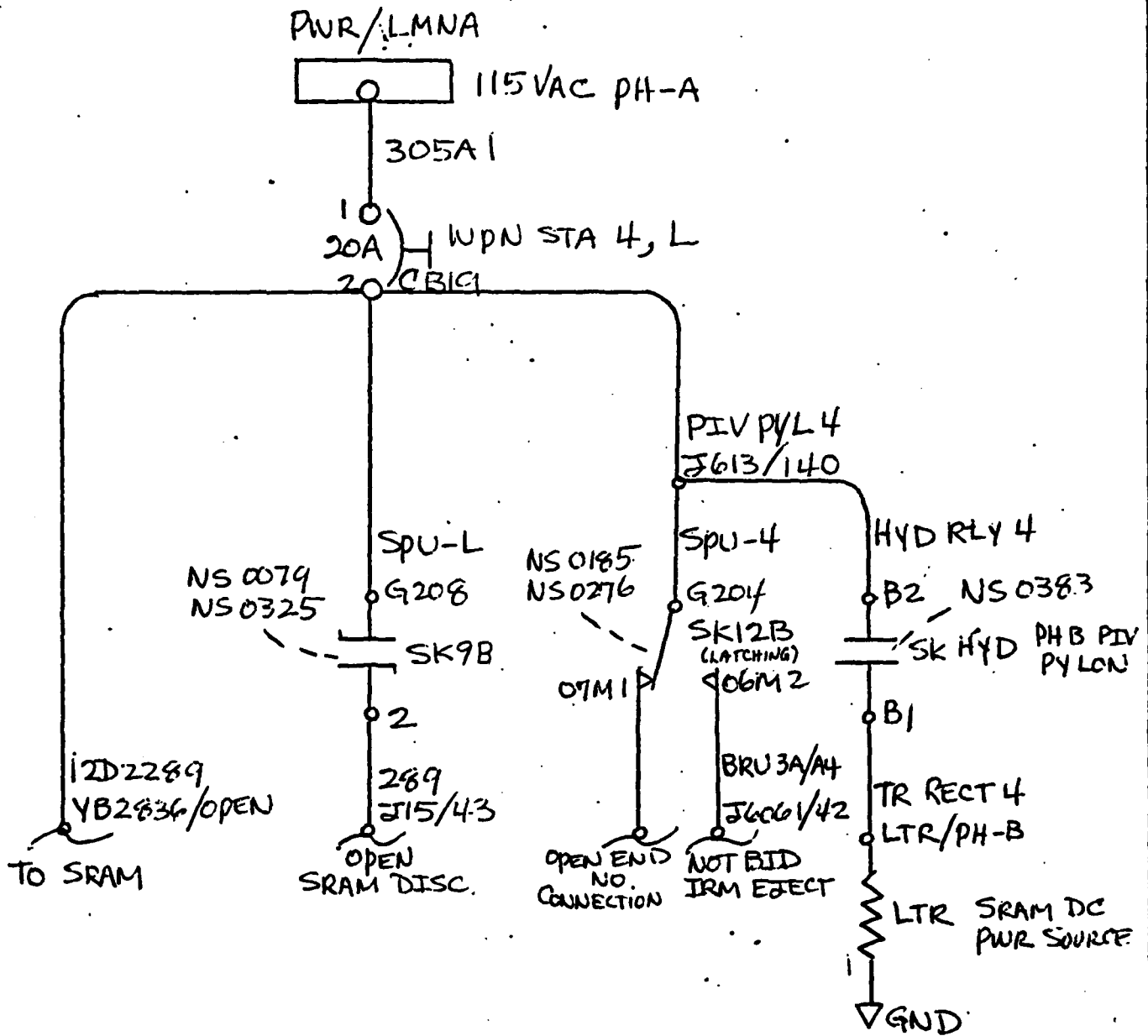
304

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-152

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FBIII-A

TITLE

POWER DISTRIBUTION STA 4 $\frac{1}{2}$ L

QC

DATE:

10/2/75

ANALYST

DATE _____

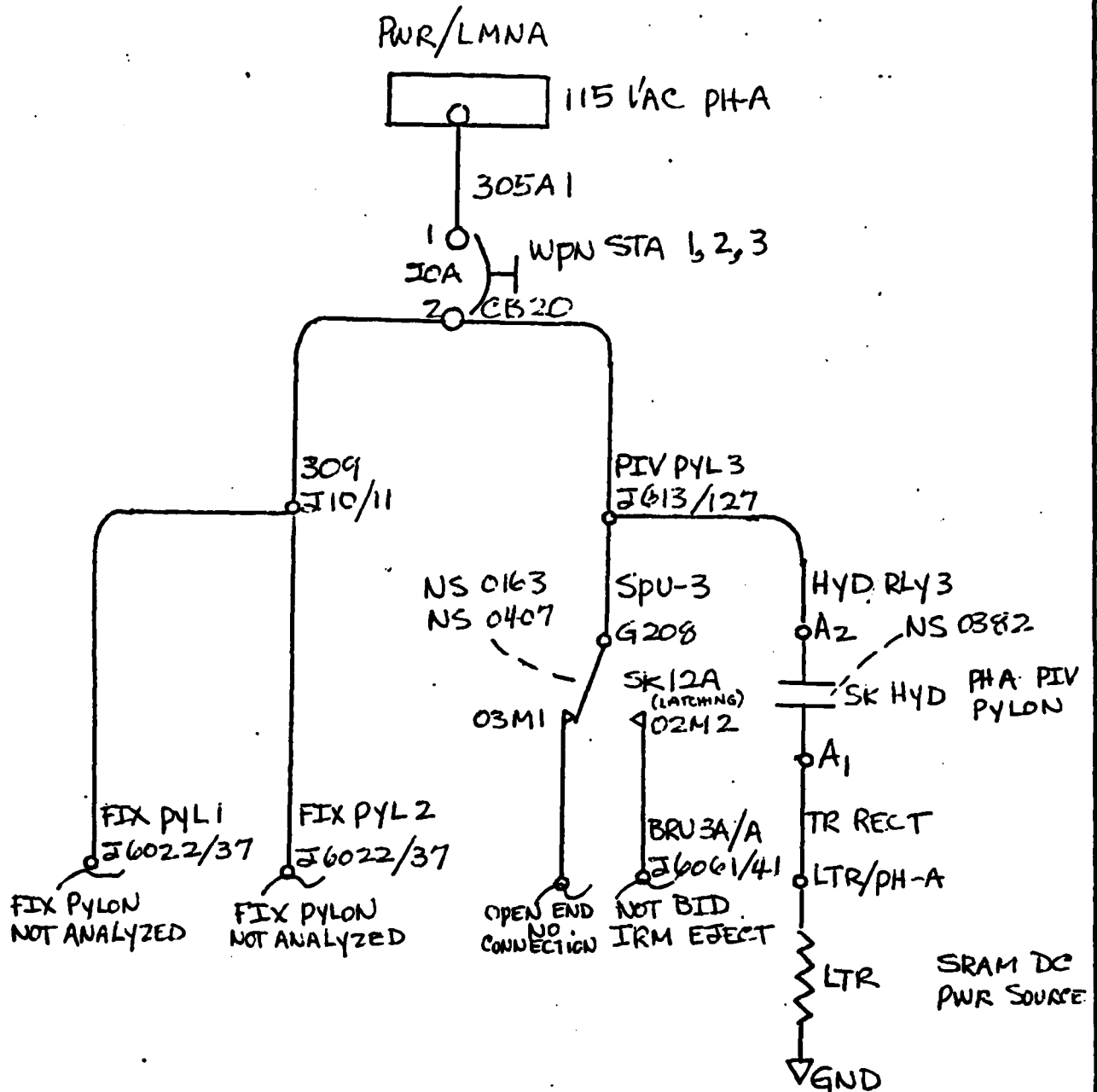
ANALYST P. Val. Jr. DATE 9-17-75

NODAL SET

0305

SNEAK CIRCUITS NETWORK TREE

REV



OJECT

FB111-A

TITLE

POWER DISTRIBUTION STA 1, 2, & 3

QC

DATE

10/21/75

ANALYST

DATE

P. V. R. 9-17-75

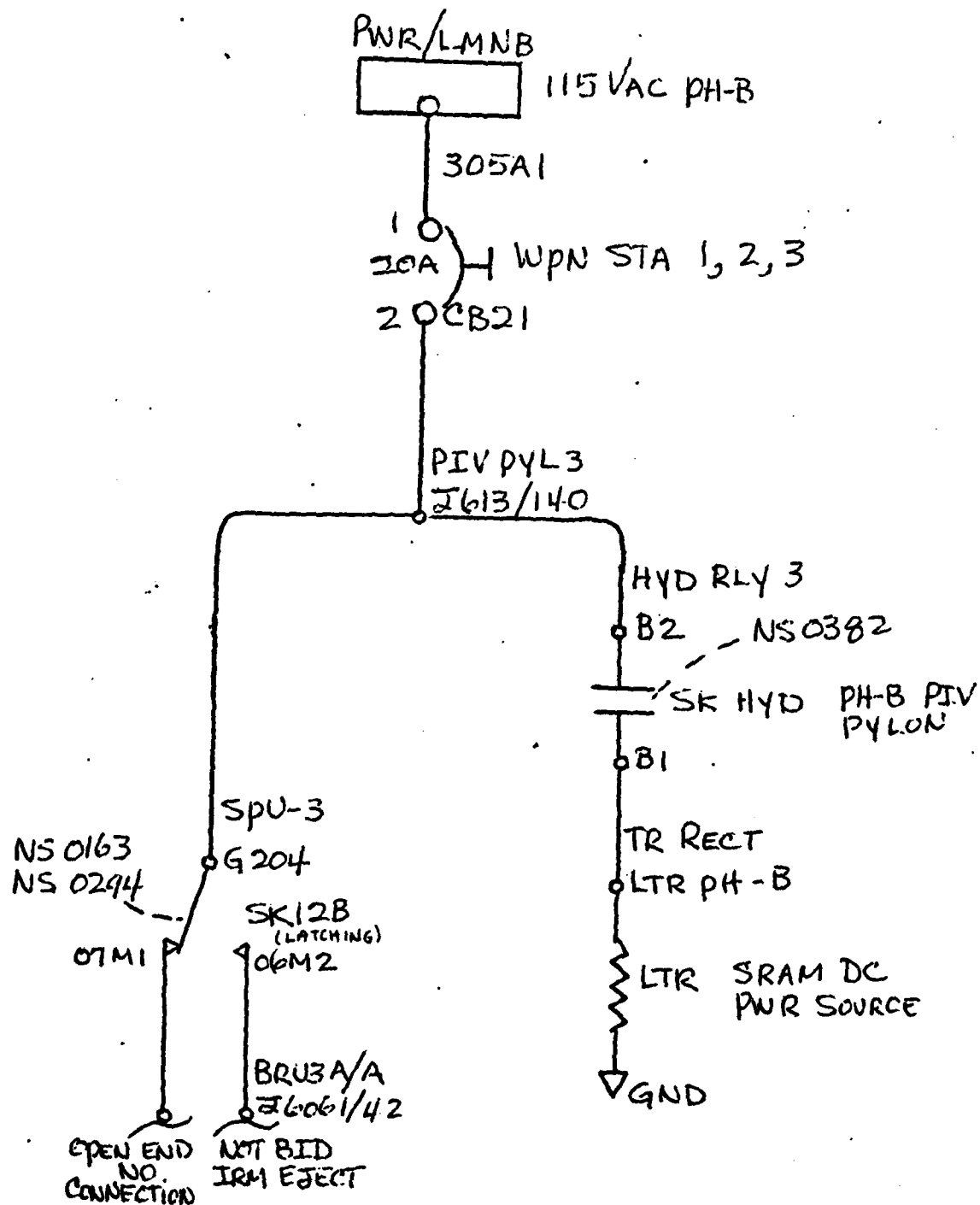
NODAL SET

0306

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



OBJECT

TITLE

FR111-A

POWER DISTRIBUTION STA 1, 2 & 3

QC

DATE

ANALYST

DATE

NODAL SET

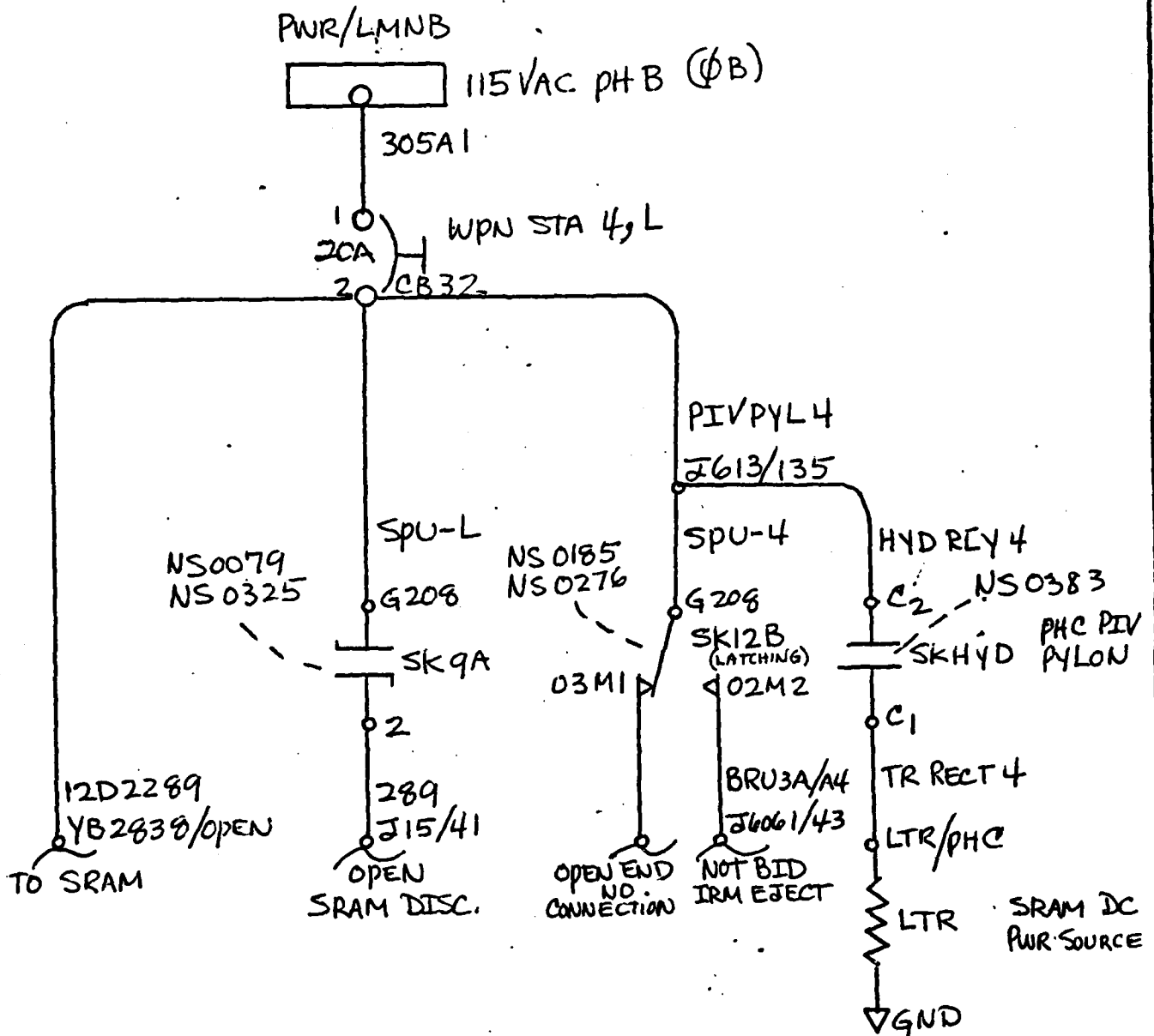
MOU-205

REFINE

C-155

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT
FBIII-A

TITLE
POWER DISTRIBUTION STA 4 & L

QC

DATE

10/2/75

ANALYST

P. Valz Jr.

DATE

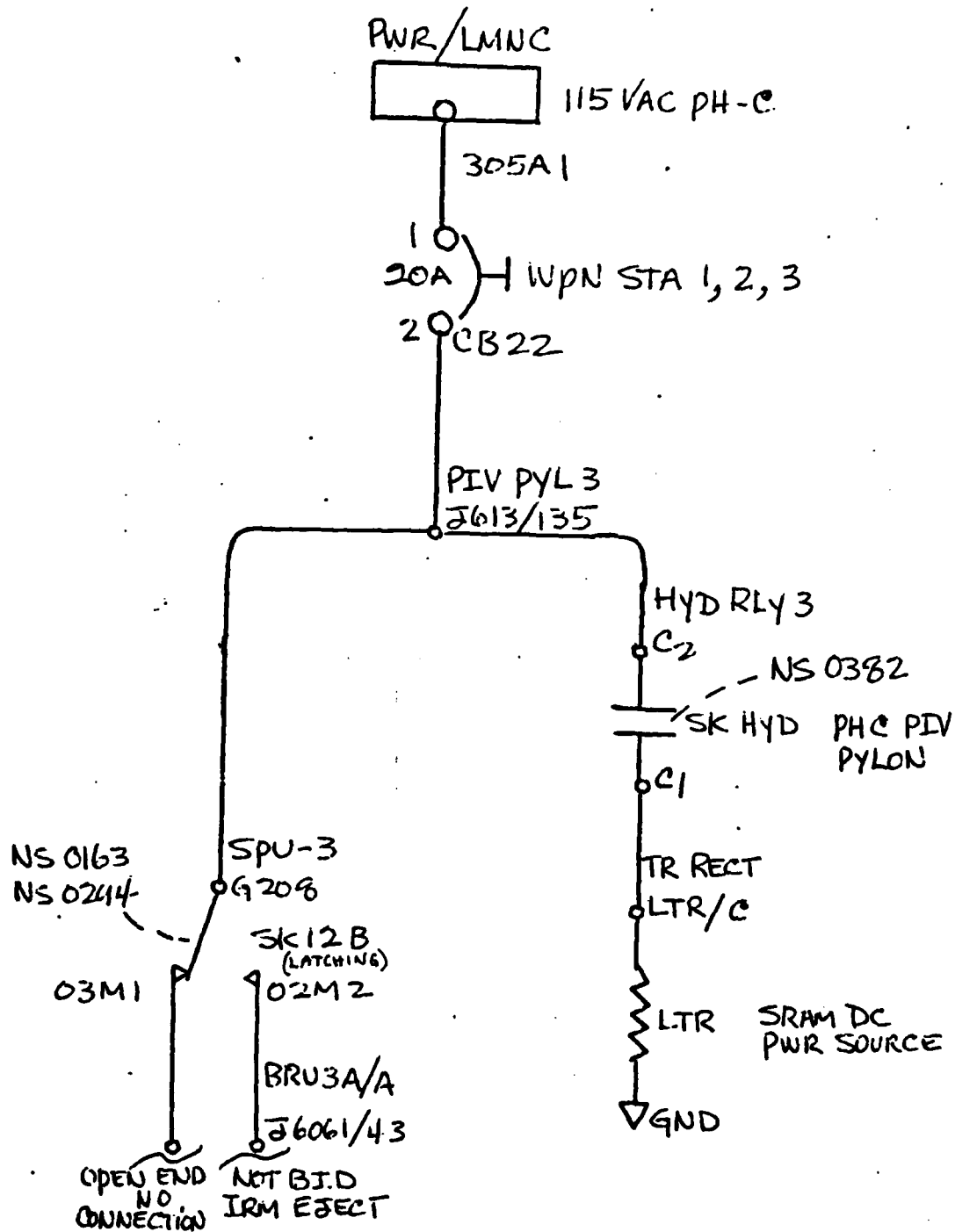
9-17-75

NODAL SET

0309

SNEAK CIRCUITS NETWORK TREE

REV



OBJECT

FB111-A

TITLE

POWER DISTRIBUTION STA. 1, 2, & 3

QC

DATE

10/2/75

ANALYST

DATE

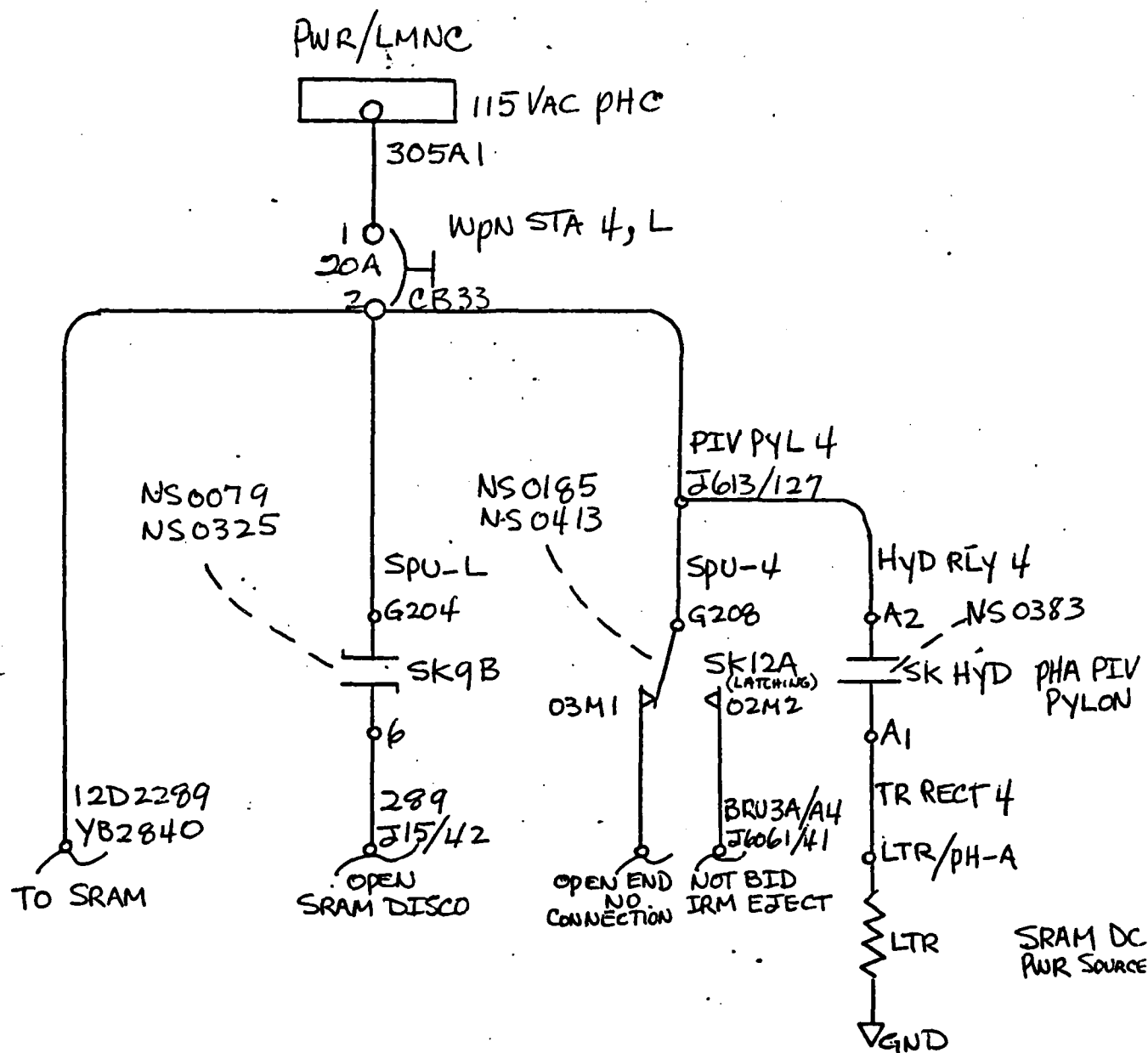
P. Val 9-17-75

NODAL SET

0309

SNEAK CIRCUITS NETWORK TREE

REV

PROJECT
FB111-ATITLE
POWER DISTRIBUTION STA 4 & L

QC

DATE

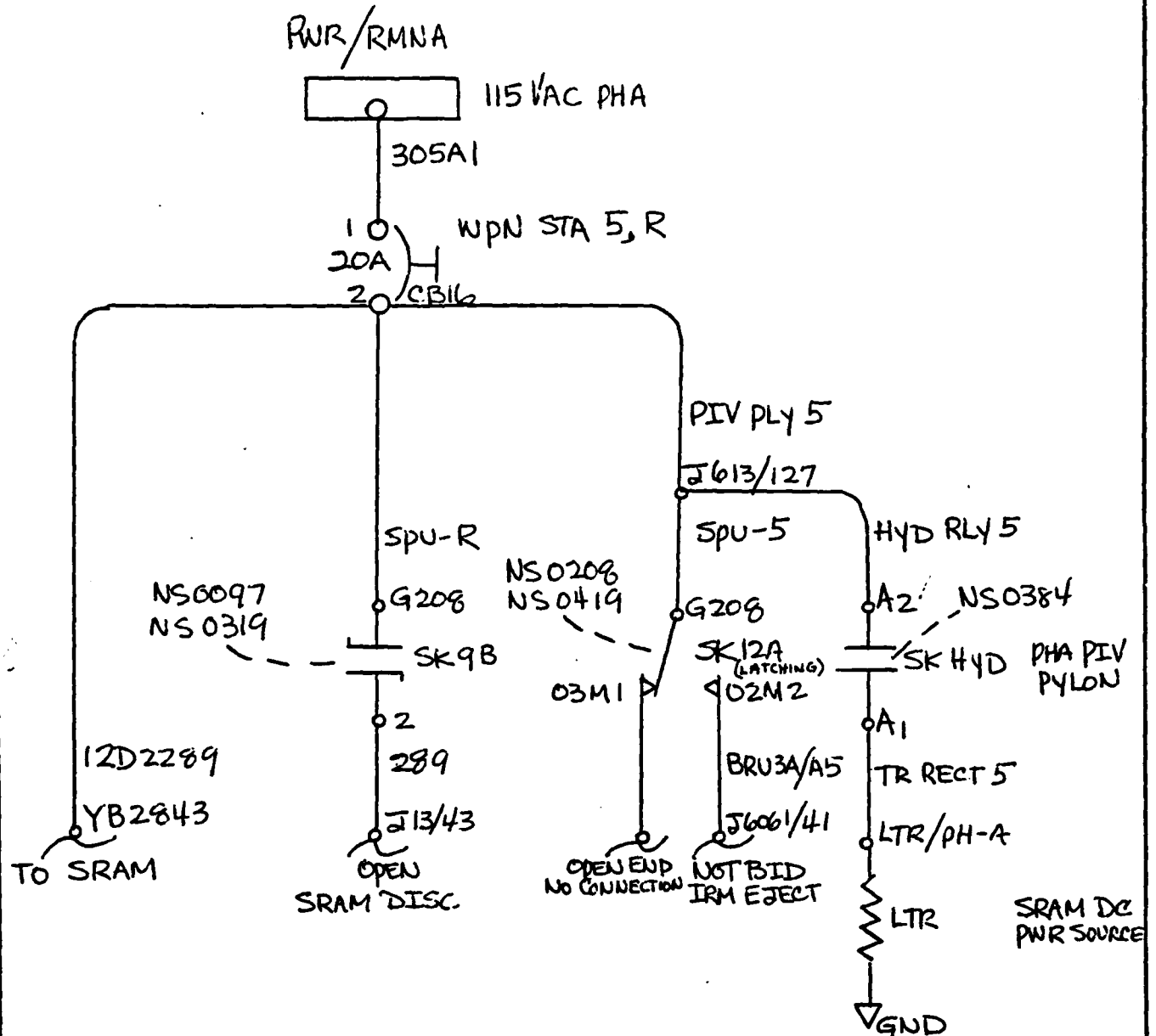
ANALYST

DATE

NODAL SET

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

POWER DISTRIBUTION STA 5 & R

QC

DATE

2/1/75 10/2/75

ANALYST

DATE

P. Vade Jr. 9-16-75

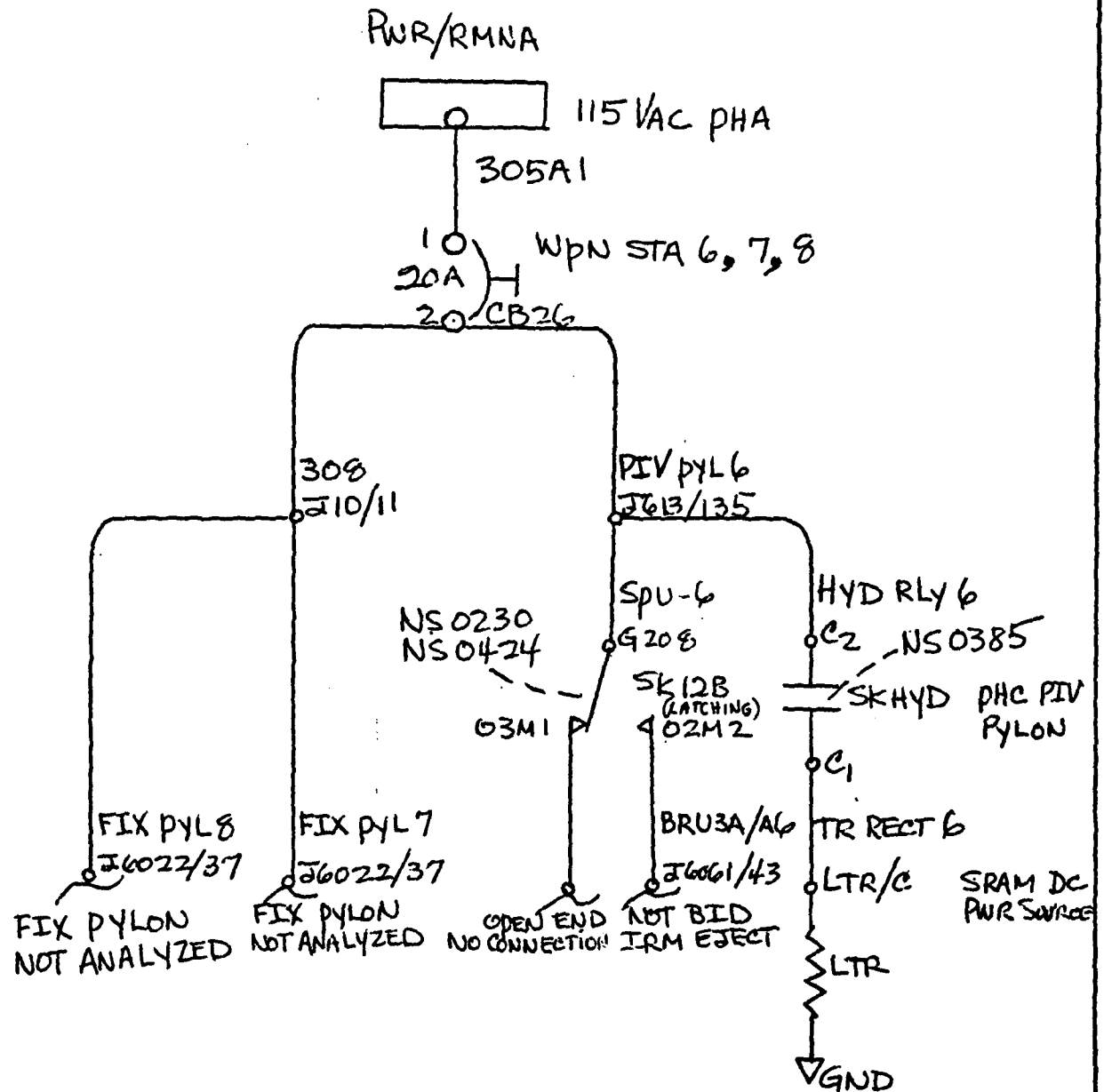
NODAL SET

0311

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

POWER DISTRIBUTION STA 6, 7, & 8

QC

DATE

7/16/75 10/2/75

ANALYST

DATE

P. Vade Jr. 9-16-75

NODAL SET

0312

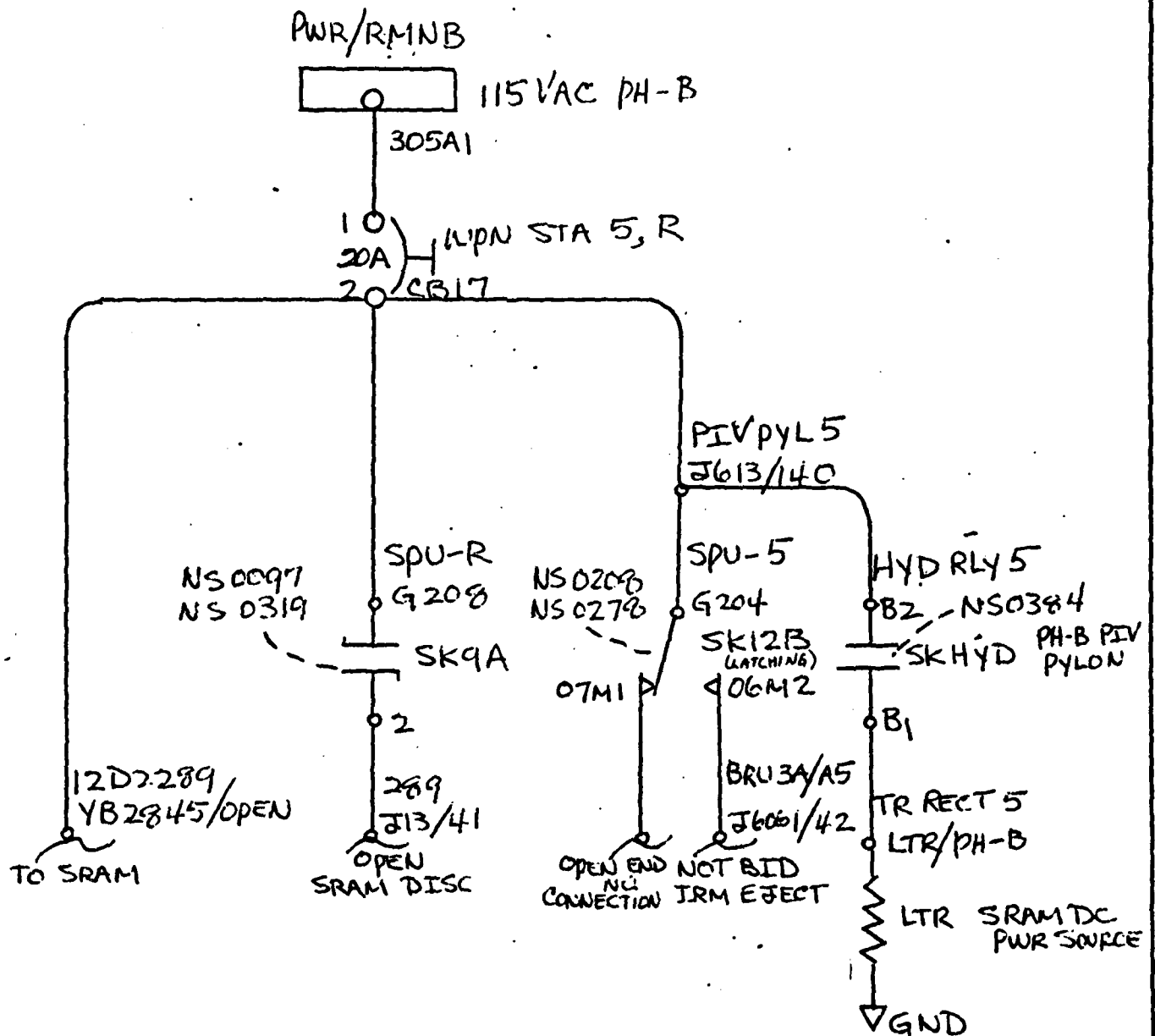
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-160

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

TITLE

FB111-A

POWER DISTRIBUTION STA 5, R

QC

DATE

ANALYST

DATE

NODAL SET

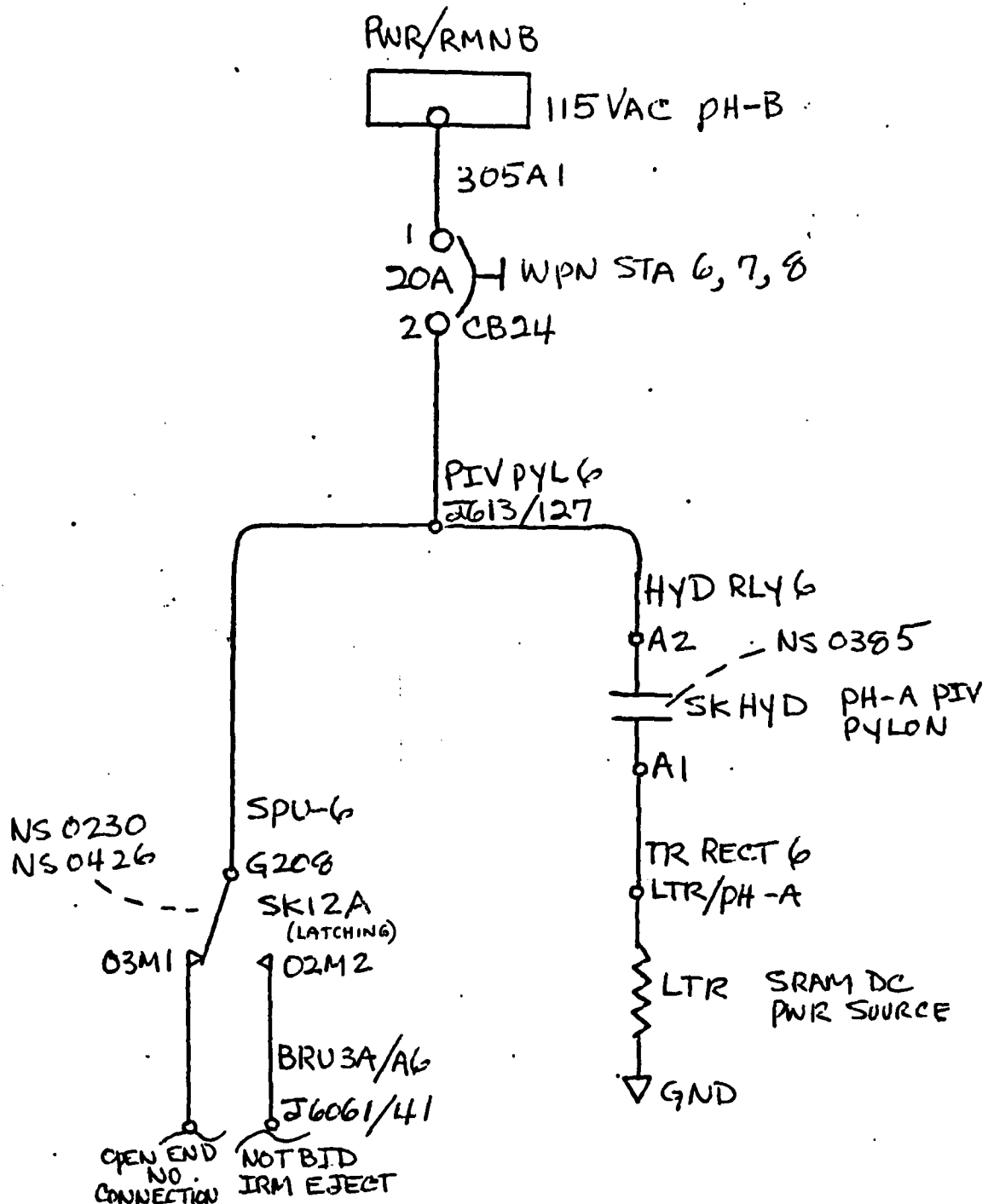
HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-161

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

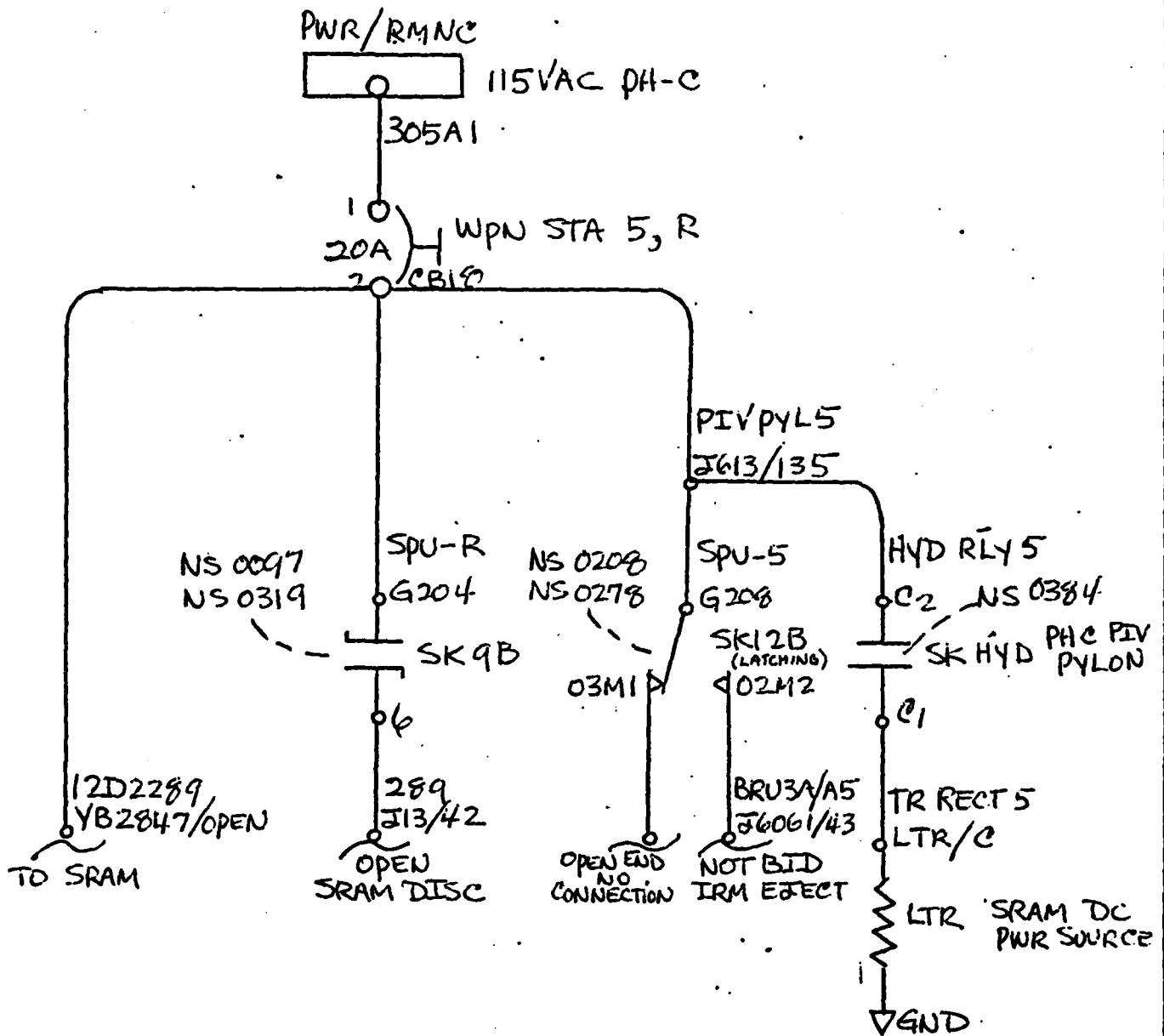
REV



SUBJECT		TITLE	
FB111-A		POWER DISTRIBUTION STA 6, 7, 8	
QC	DATE	ANALYST	DATE
2/1/75	10/2/75	P. Vale Jr.	9-18-75
		NODAL SET	
		0314	

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

POWER DISTRIBUTION STA 5, R

QC

H. H. H.

DATE

10/2/75

ANALYST

P. Vale Jr.

DATE

9-18-75

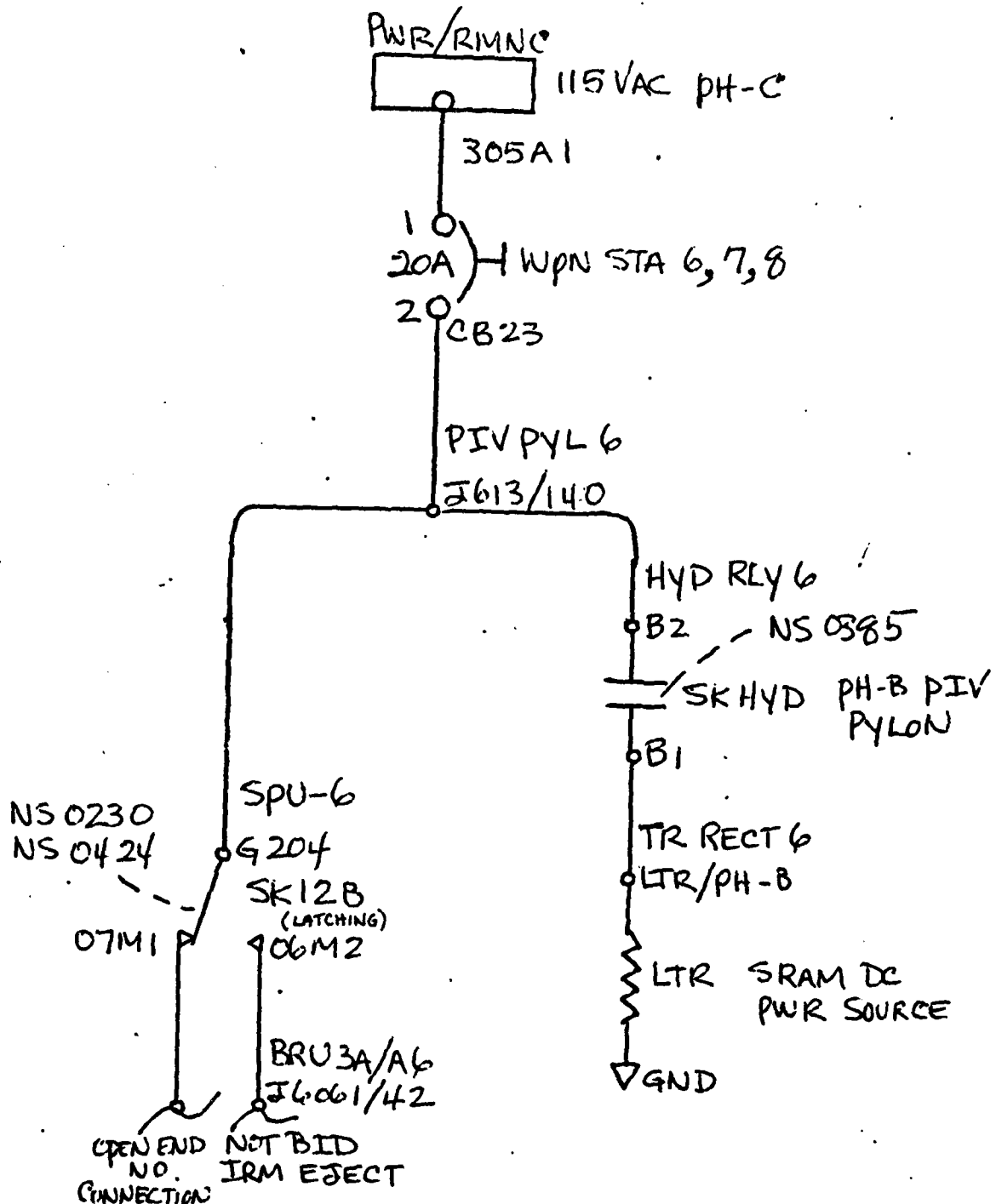
NODAL SET

0315

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



OBJECT

FBIII-A

TITLE

POWER DISTRIBUTION STA 6, 7 & 8

QC

DATE

10/2/75

ANALYST

P. Val

DATE

9-18-75

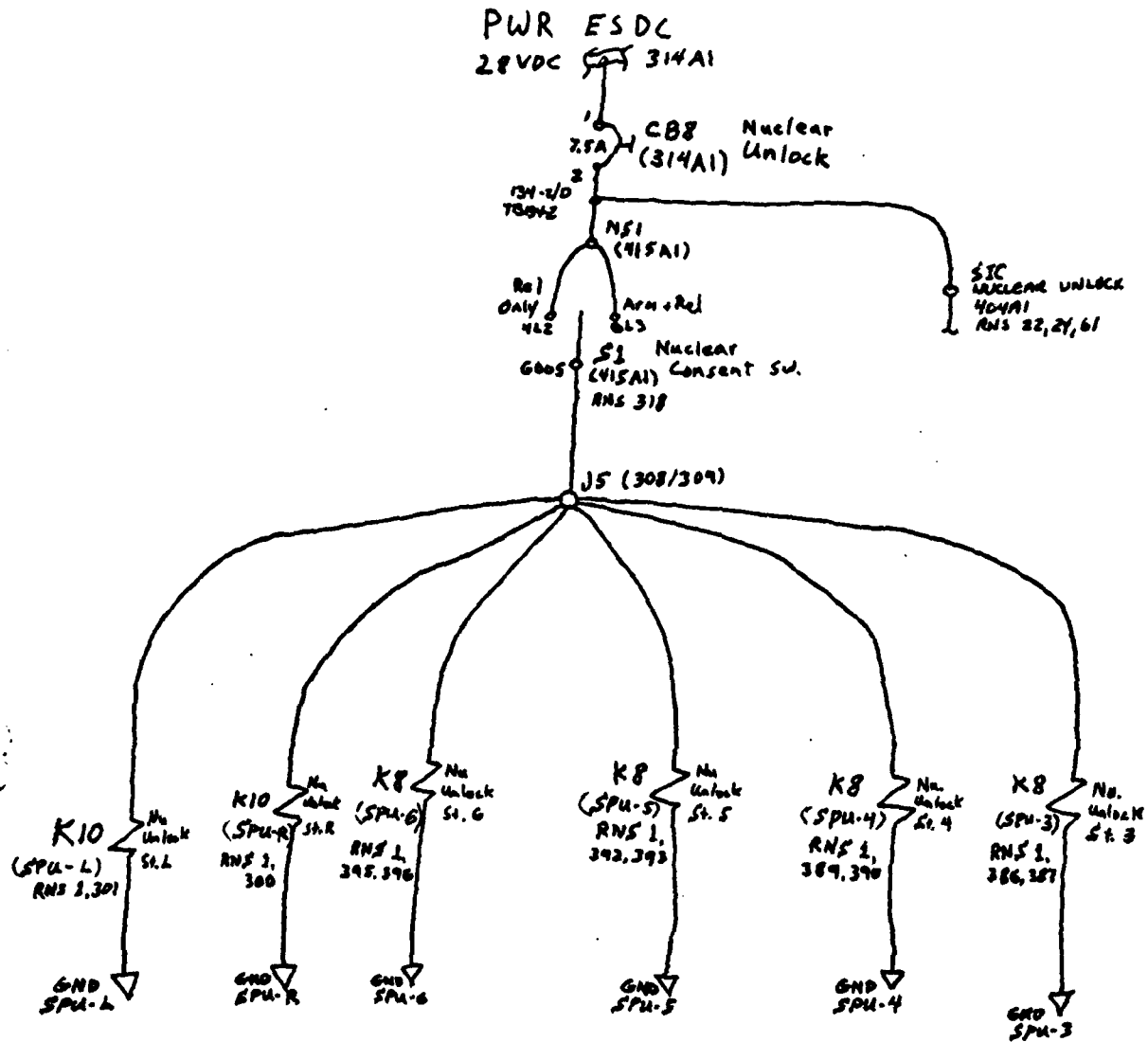
NODAL SET

0316

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



INCLUDES N.S. 438

PROJECT

FB111-A

TITLE

Nuclear Unlock

QC

HOU-705

DATE

10/2/75

ANALYST

Jia Vargas

DATE

9-16-75

NODAL SET

317

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-165

人

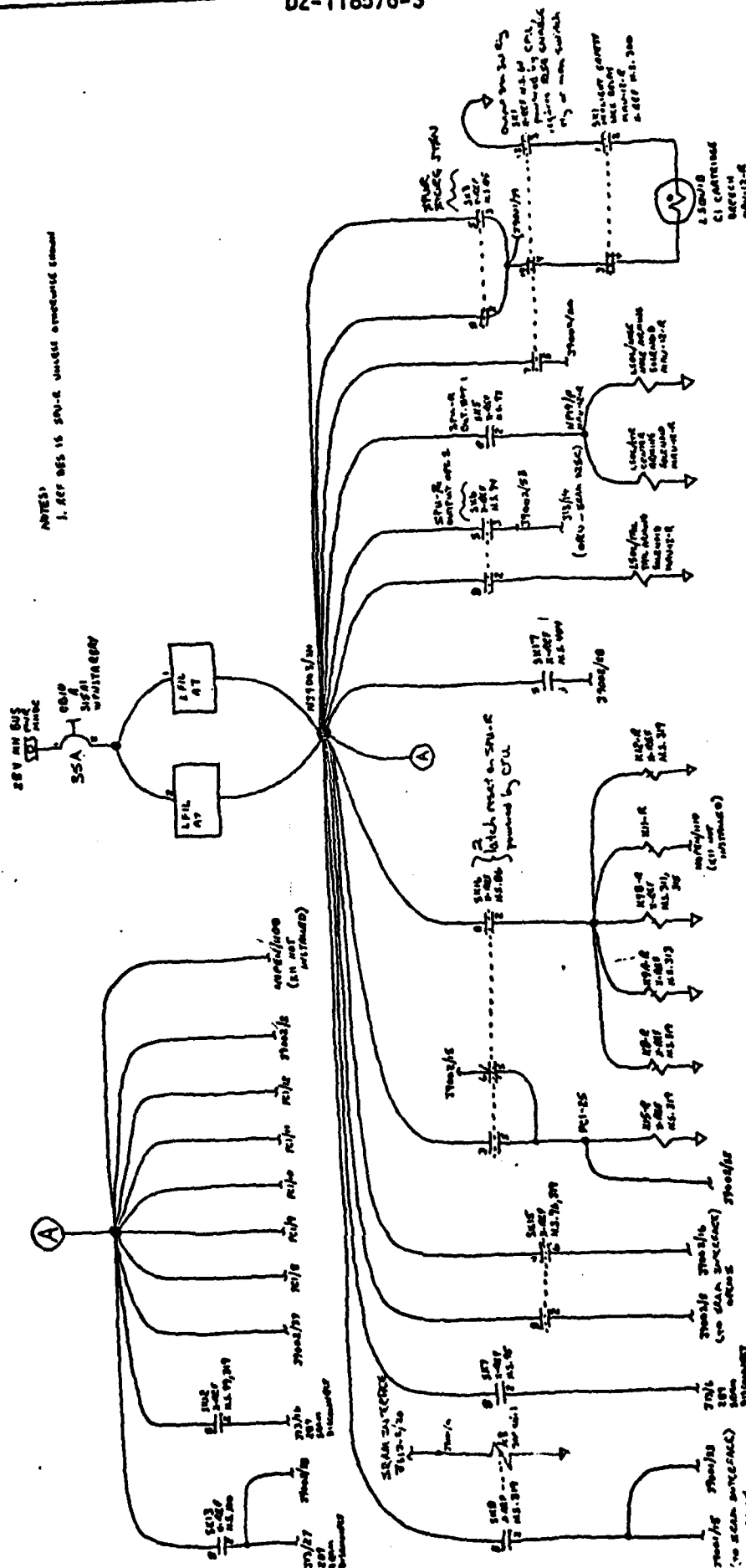


QC 4	DATE 10/19/75	ANALYST J. E. BOWEN	DATE 9-15-75	NODAL SET 318 ED

— BEING

SNEAK CIRCUITS NETWORK TREE

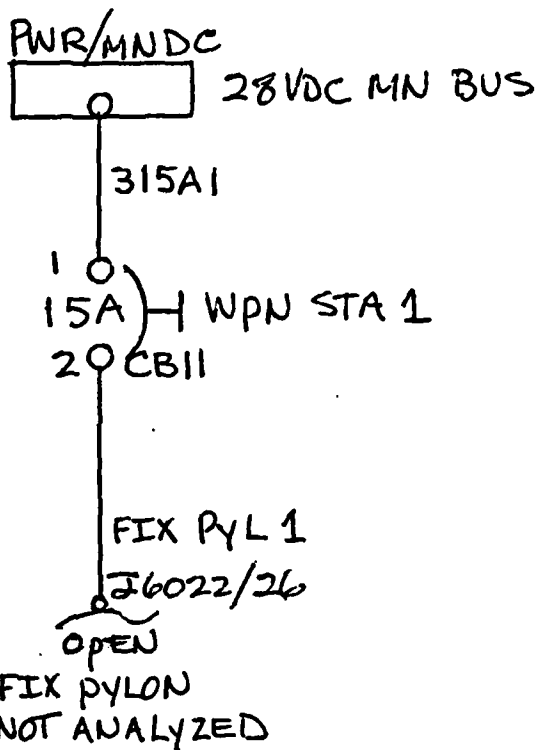
1. REF DES IS 501-2. VUEZ LE 03/04/2003



PROJECT FB-111A	TITLE SPU-R MAIN BUS	ANALYST JH	DATE 12/23/75	NODAL SET 319

SNEAK CIRCUITS NETWORK TREE

REV



C-168

PROJECT

FBIII-A

TITLE

POWER DISTRIBUTION STA 1

QC

DATE

HAT 10/2/75

ANALYST

P.V.

DATE

9-18-75

NODAL SET

0320

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 294

PROJECT

TITLE

DATE

ANALYST

DATE

NODAL SET

321A

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 276

PROJECT

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

321B

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 278

PROJECT

TITLE

QC

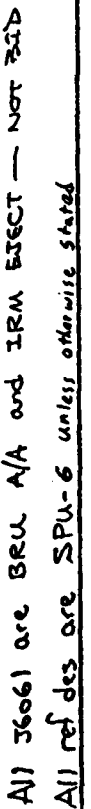
DATE

ANALYST

DATE

NODAL SET

321C



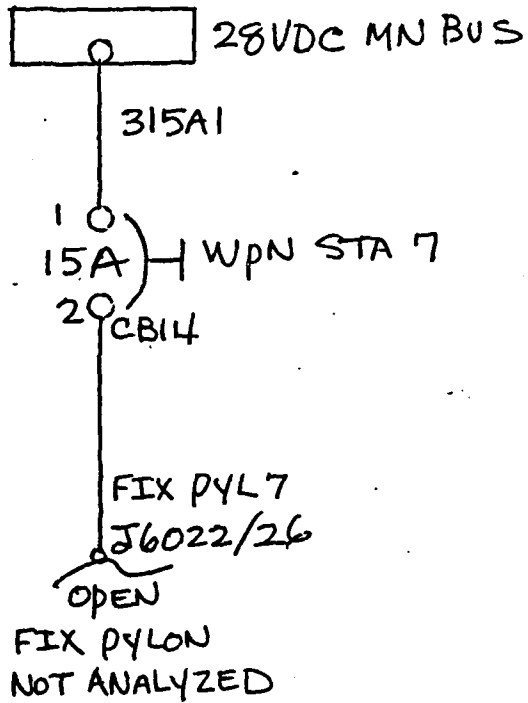
321 D *

11011.205

SNEAK CIRCUITS NETWORK TREE

REV

PWR/MNDC


28VDC MN BUS

315A1

1 15A) WPN STA 7
2 CB14

FIX PYL 7

J6022/26

OPEN

FIX PYLON
NOT ANALYZED

PROJECT

FBIII-A

TITLE

POWER DISTRIBUTION STA 7

QC

DATE

10/2/75

ANALYST

P. Val. Jr. 9-18-75

DATE

NODAL SET

0322

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/MNDC



28VDC MN BUS

315A1

10

15A

20

WPN STA 2

CB28

FIX PYL 2

J6022/26

FIX PYLON
NOT ANALYZED

PROJECT

FB111-A

TITLE

POWER DISTRIBUTION STA 2

QC

H/H

DATE

10/2/75

ANALYST

P. Vale Jr. 9-18-75

DATE

NODAL SET

0323

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PWR/MNDC

28VDC MN BUS

315A1

10

15A

20

WPN STA 8

CB31

FIX PYL 8

J6022/26

FIX PYLON
NOT ANALYZED

PROJECT

FBIII-A

TITLE

POWER DISTRIBUTION STA. 8.

QC

11/11/75

DATE

10/2/75

ANALYST

P. Vale Jr.

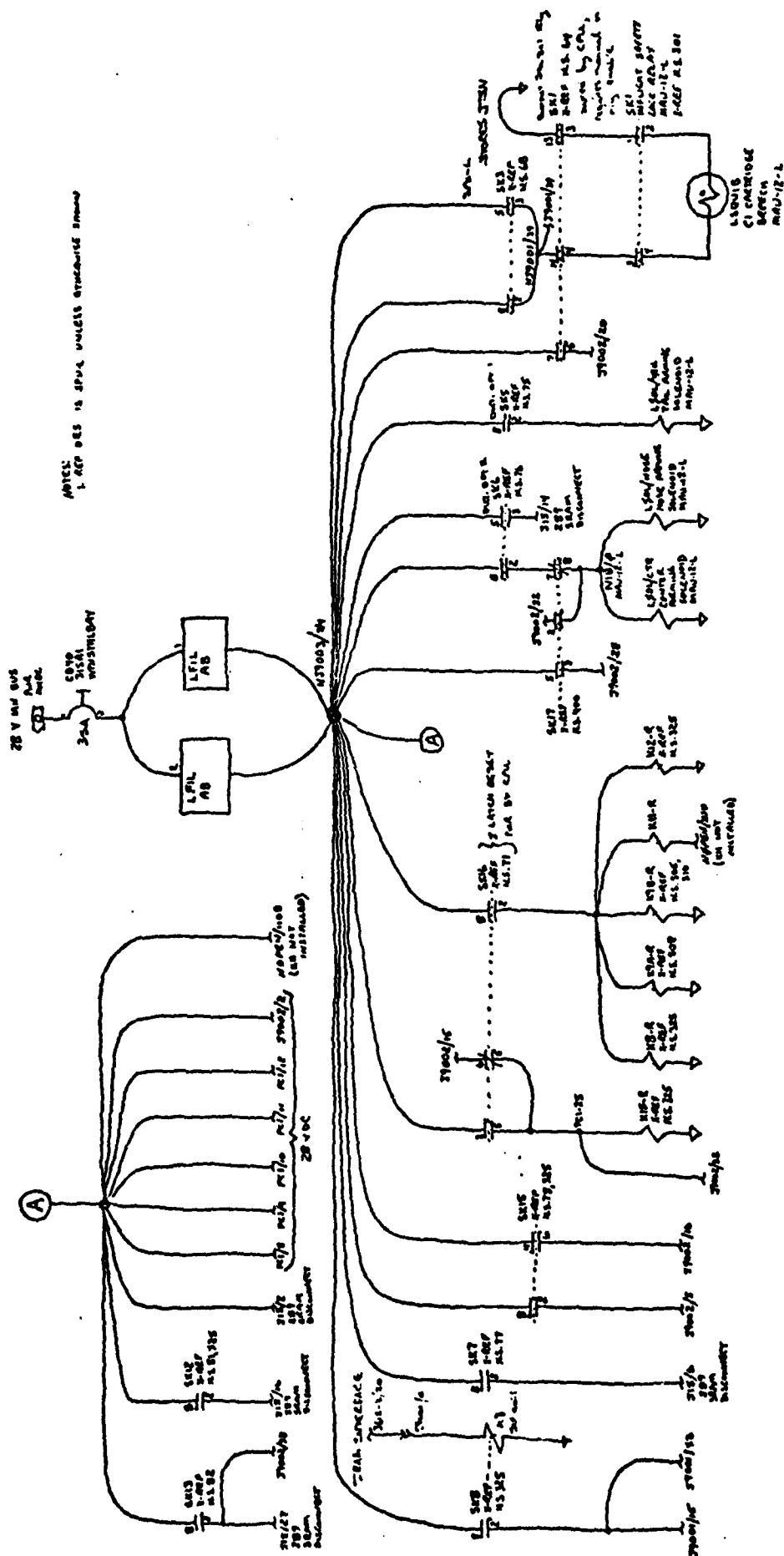
DATE

9-19-75

NODAL SET

0324

DATE: 12/10/54
TO: SAC, NEW YORK
FROM: SAC, NEW YORK
SUBJECT: [REDACTED]



PROJECT	TITLE
FB-111A	SPU-L MAIN BUS

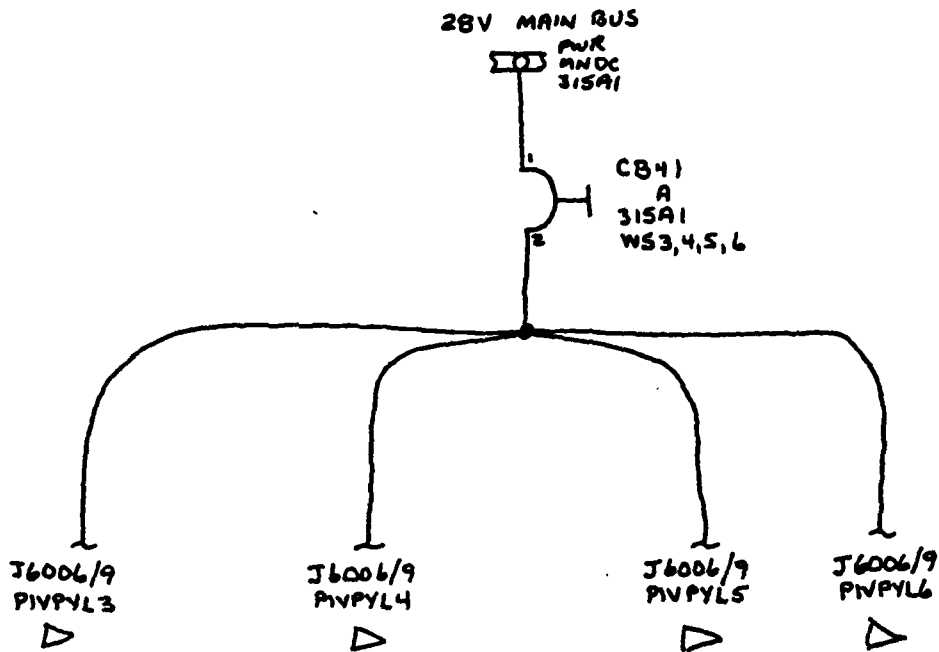
QC	DATE	ANALYST RE	DATE	NODAL SET
	10/15/75	J. J. J.	9/20/75	325

BEING

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ Not wired within the pylons

PROJECT
FB-111A

TITLE
PYLON MAIN POWER

QC
H/16/75

DATE
10/2/75

ANALYST P.S. DATE
+Stohr 9-23-75

NODAL SET
326

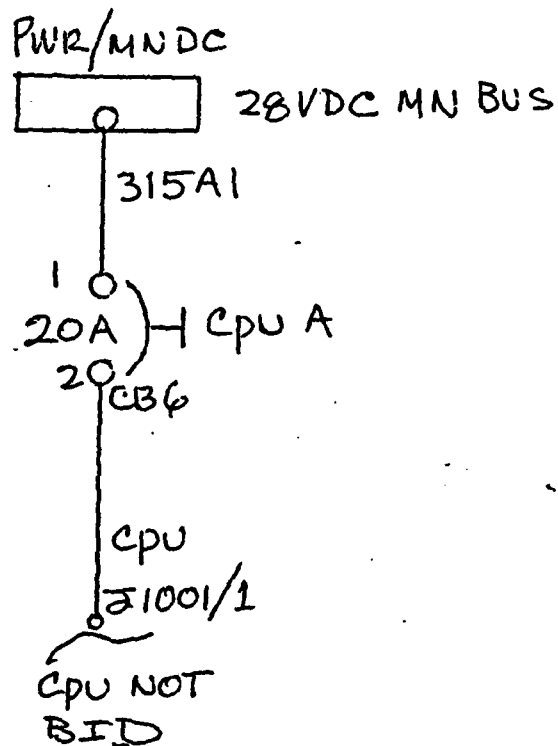
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-177

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

POWER DISTRIBUTION CPU STA A

QC

DATE

110U-205

ANALYST

DATE

NODAL SET

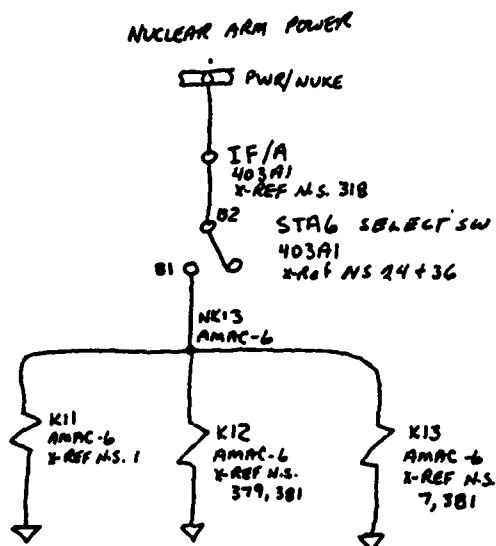
0327

MOLENE AEROSPACE COMPANY - HOUSTON, TEXAS C-178

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

STATION 6 SELECT

QC

H.H.H.

DATE

10/2/75

ANALYST

T. Storer

DATE

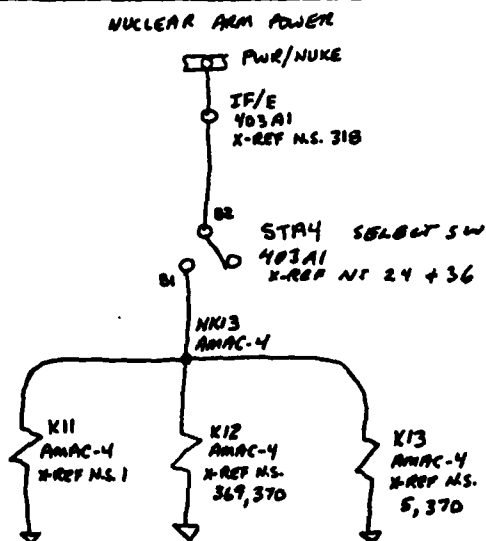
9-15-75

NODAL SET

328

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

STATION 4 SELECT

QC

H.H.H.

DATE

10/2/75

ANALYST

T. Storer

DATE

9-15-75

NODAL SET

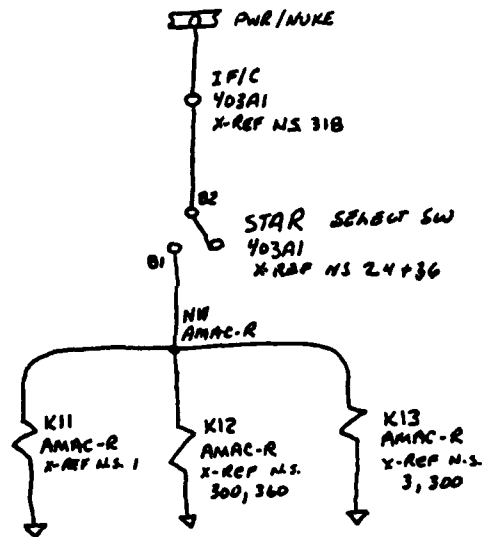
329

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

NUCLEAR ARM POWER



PROJECT

FB-111A

TITLE

STATION R SELECT

QC

H Holt

DATE

10/2/75

ANALYST

Paul Stokes

DATE

9-15-75

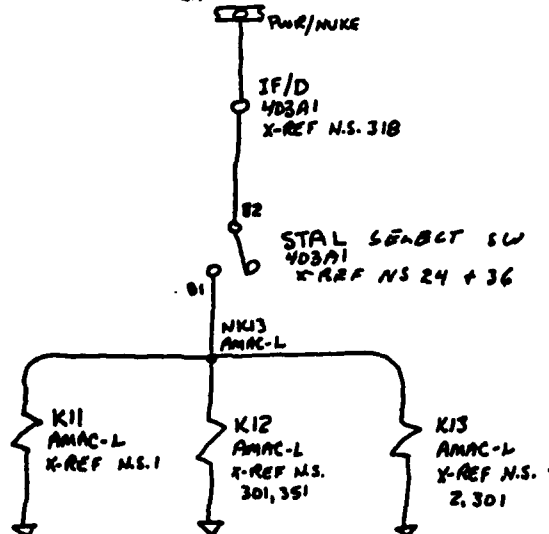
NODAL SET

330

SNEAK CIRCUITS NETWORK TREE

REV

NUCLEAR ARM POWER



PROJECT

FB-111A

TITLE

STATION L SELECT

QC

H Holt

DATE

10/2/75

ANALYST

Paul Stokes

DATE

9-15-75

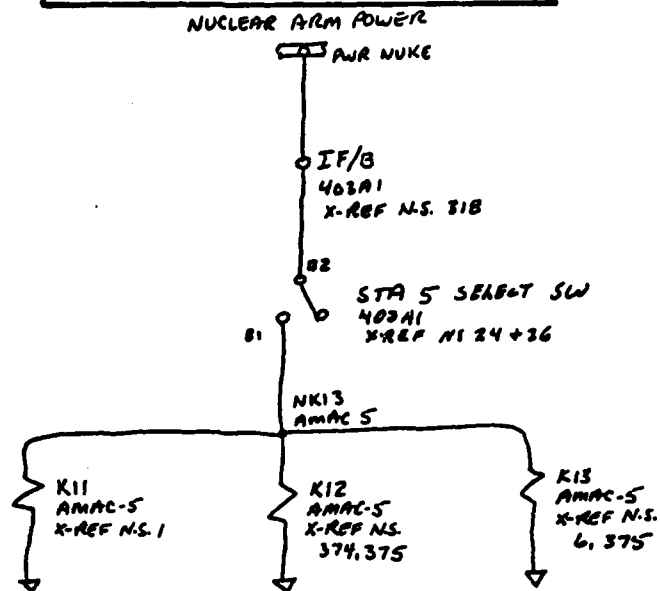
NODAL SET

331

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

STATION 5 SELECT

QC

H. Holt

DATE

10/2/75

ANALYST

P. Stiles

DATE

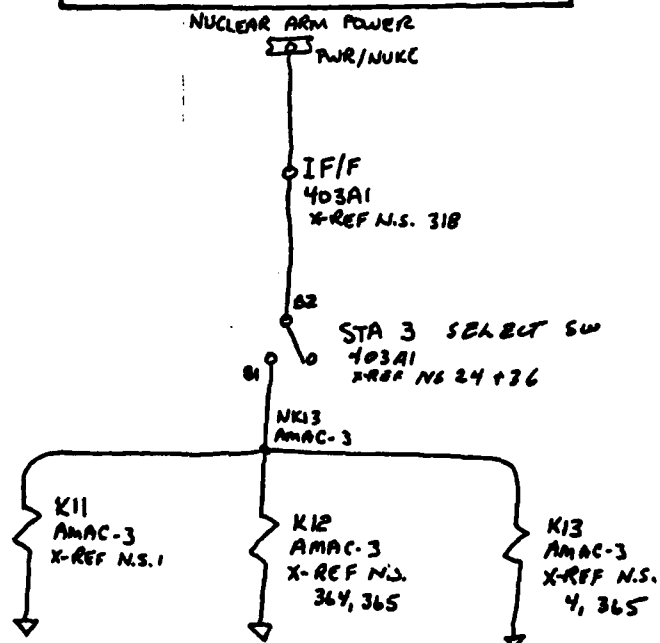
9-15-75

NODAL SET

332

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

STATION 3 SELECT

QC

H. Holt

DATE

10/2/75

ANALYST

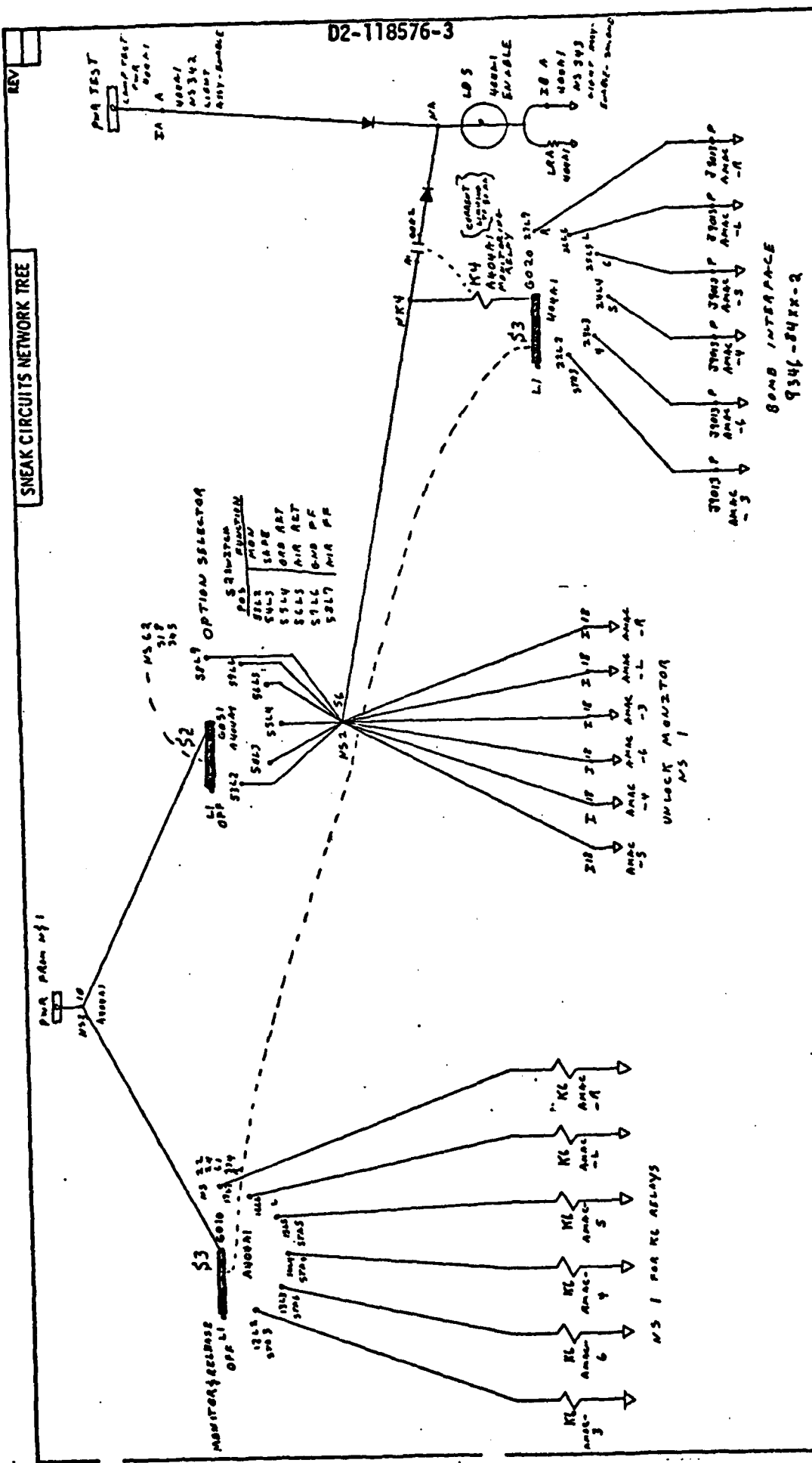
P. Stiles

DATE

9-15-75

NODAL SET

333



PROJECT	FB-111A		
DATE	10/11/75	ANALYST	DATE
10/11/75	10/11/75	10/11/75	10/11/75
TITLE		MONITOR 3 RELEASE PLUS OPTION SELECTOR	
MONITOR		MONITOR	
NODAL SET		334	

BOEING

SNEAK CIRCUITS NETWORK TREE

FB-111A

LIGHT - SAFE

QC	DATE
H Hunt	10/2/75

Horacio B. Buchlin 9-29-75

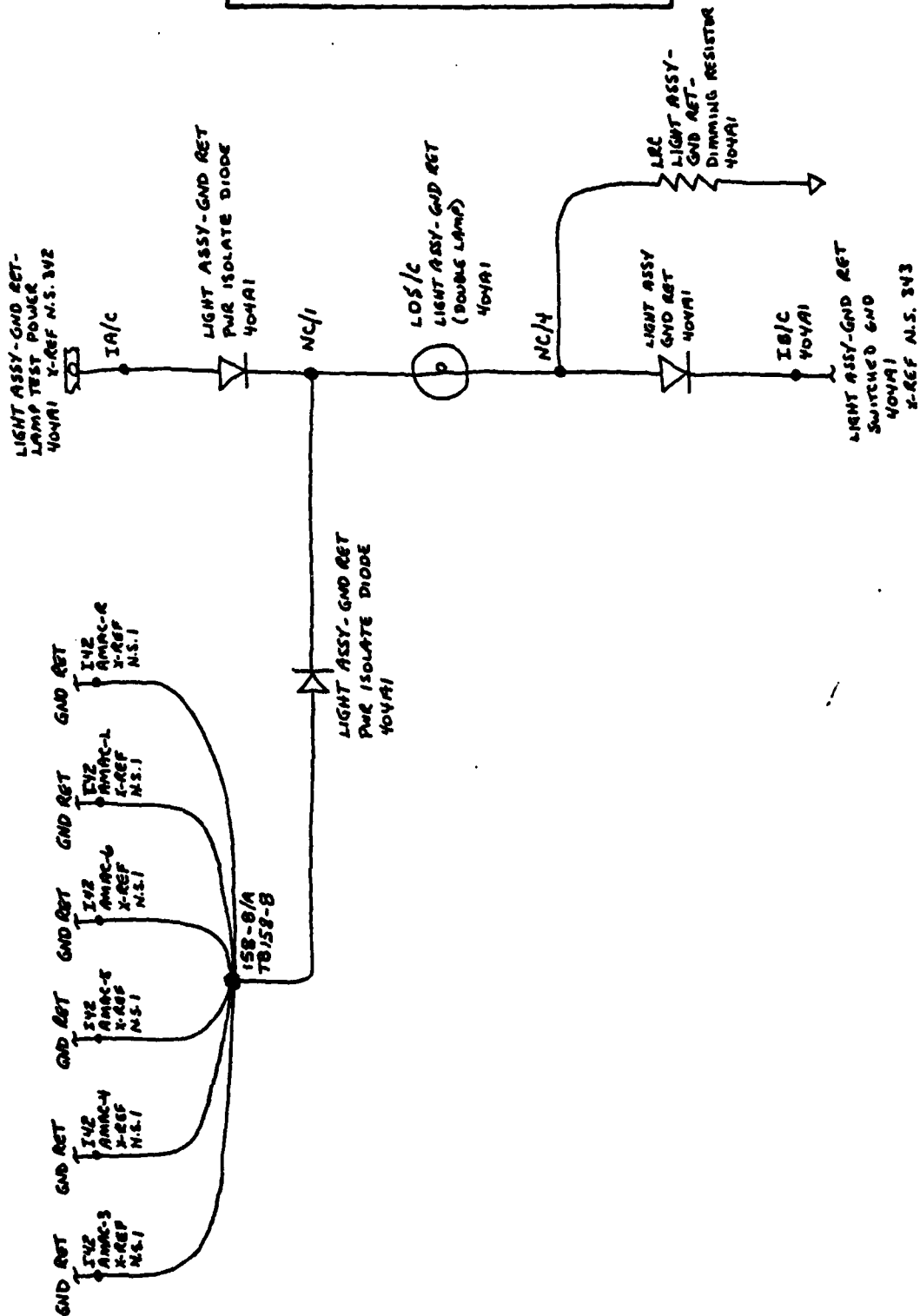
335

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-183

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

LIGHT - GND RET

QC

DATE

10/2/75

ANALYST P.S. DATE

Gordon B. Buckley 9-29-75

NODAL SET

336

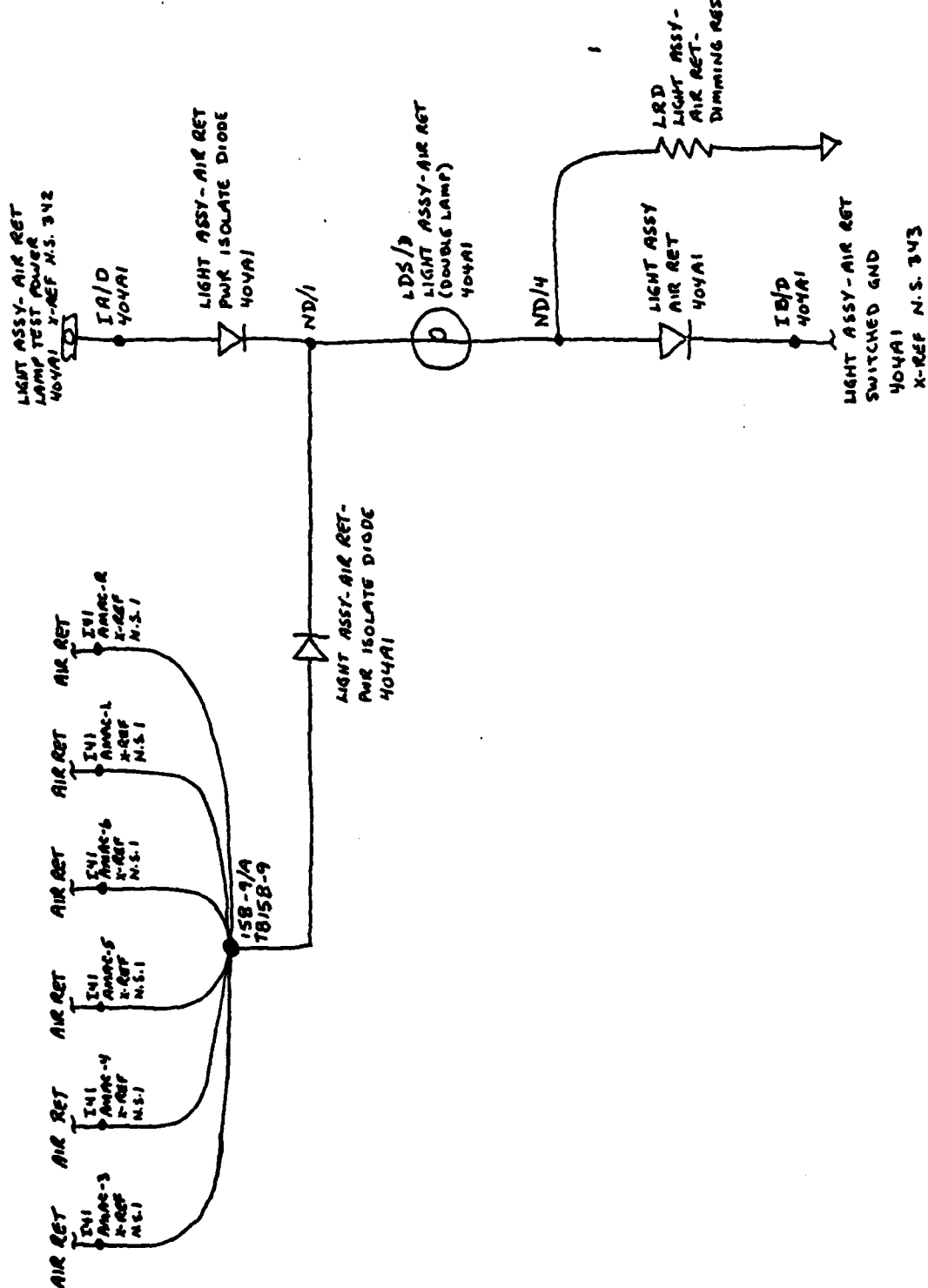
HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-184

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

LIGHT - AIR RET

QC

DATE

H. H. H. 10/2/75

ANALYST P.S. DATE

London B. Buckley 9-29-75

NODAL SET

337

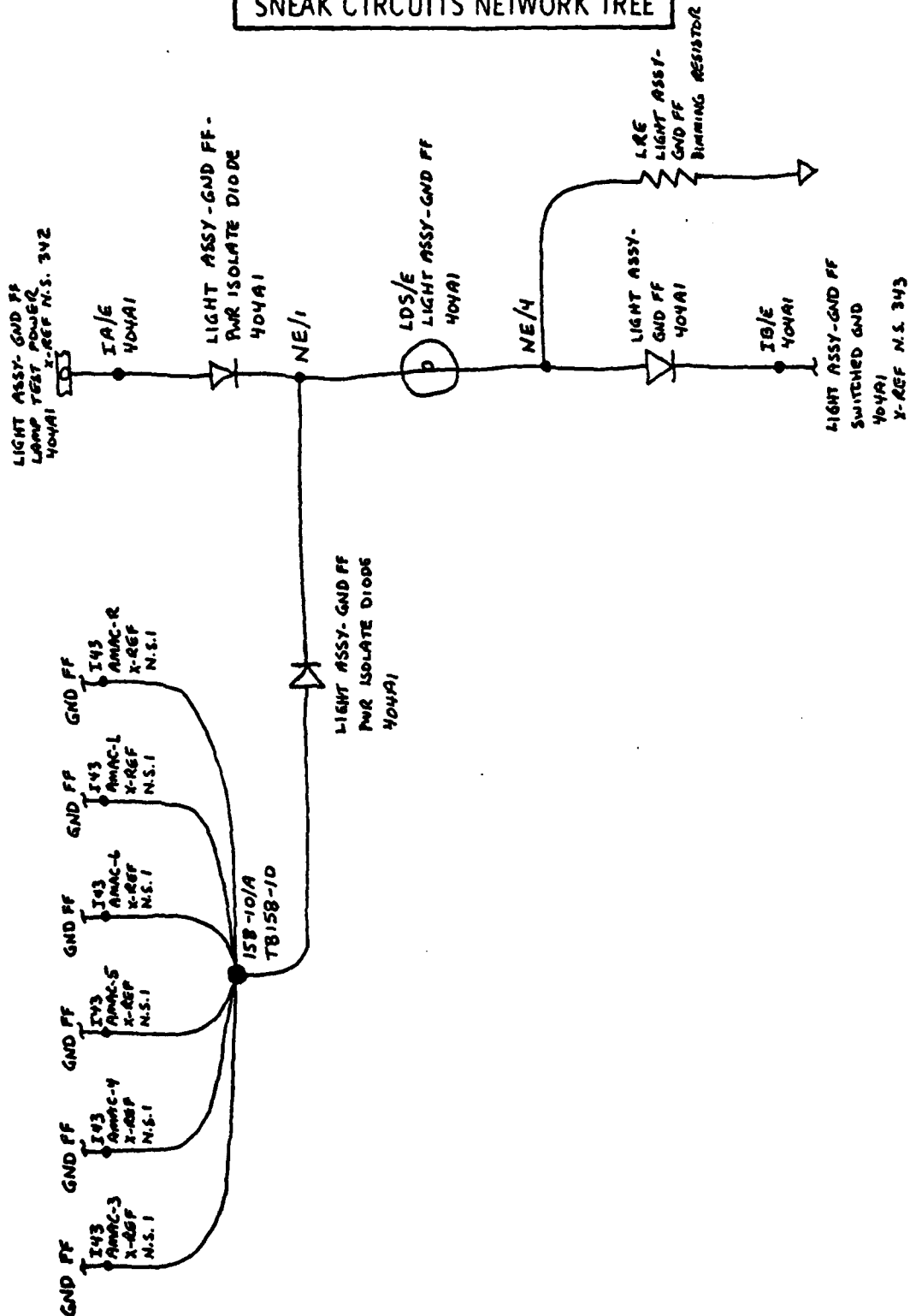
HOU-705

BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS C-185

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

LIGHT - GND FF

QC

DATE

H. Hott 10/2/75

ANALYST R.S. DATE

Andon B. Buckley 9-29-75

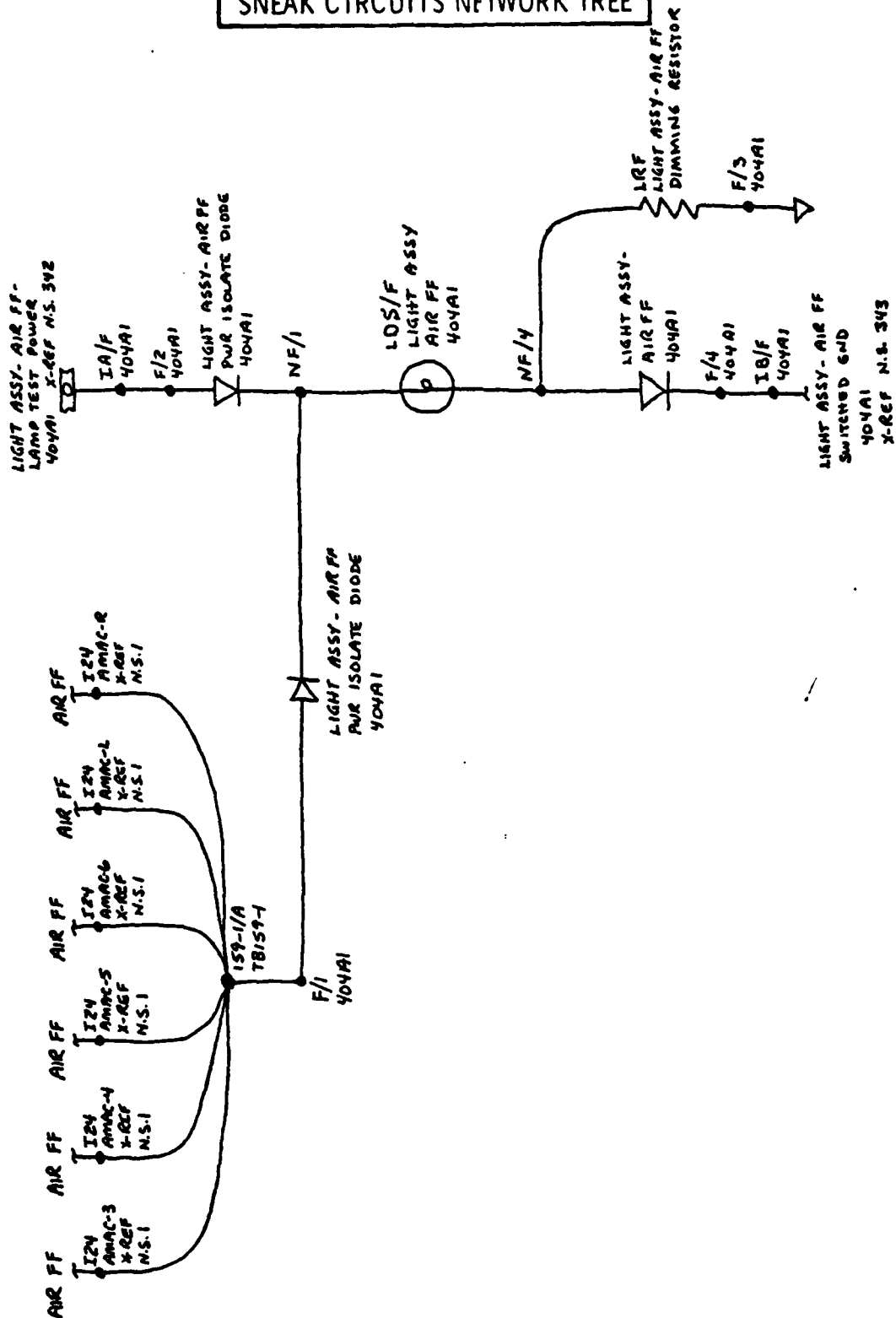
NODAL SET

338

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

LIGHT - AIR FF

QC

DATE

10/2/75

ANALYST P.S. DATE

Anderson B. Buckley 9-29-75

NODAL SET

339

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-187

AD-A103 953

BOEING AEROSPACE CO HOUSTON TX

F/6 15/6

ELECTRICAL ANALYSIS OF B-82/FB-111 AMAC AND RELEASE CIRCUITRY U--ETC(U)

OCT 75

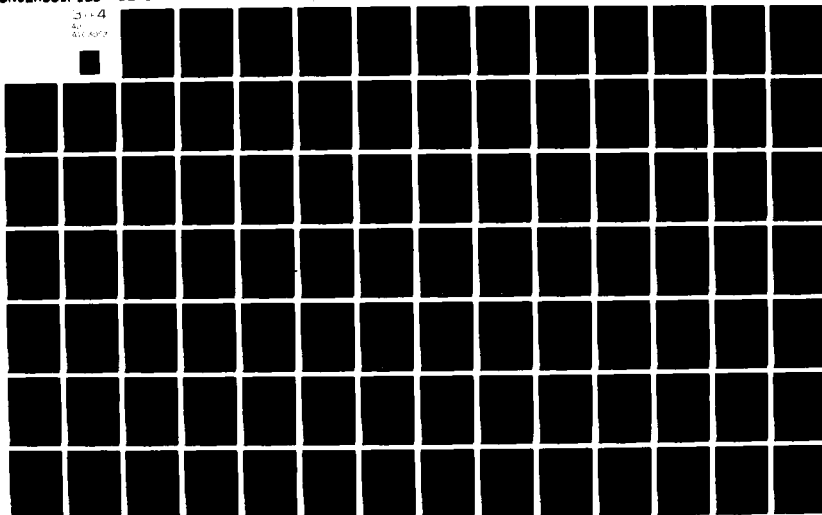
F29601-76-C-0017

D2-118576-3

NL

UNCLASSIFIED

3-1-4
47
500 1072



PROJECT
FB-111A

TITLE
LIGHT - ARM

QC H/16A DATE 10/2/75

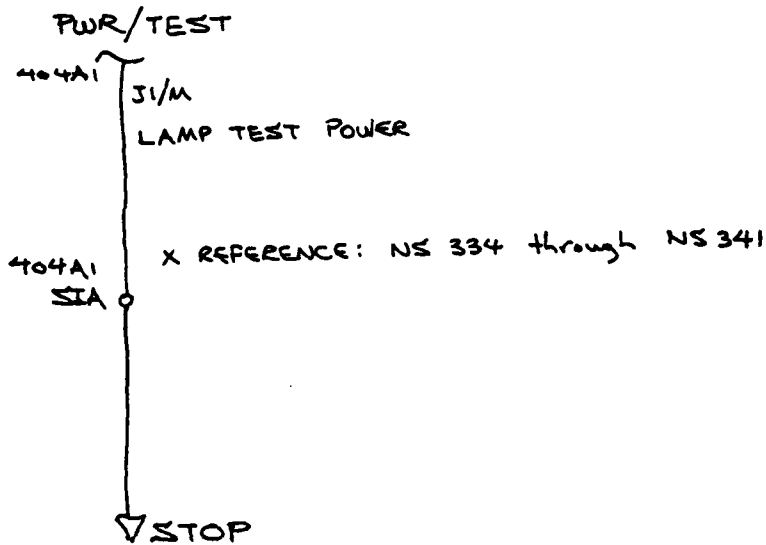
ANALYST RS. DATE
Gordon B. Buckley 9-29-75

NODAL SET 341

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

LAMP TEST POWER

QC

H. Holt

DATE

12/2/75

ANALYST

M. Barnett

DATE

9/22/75

NODAL SET

342

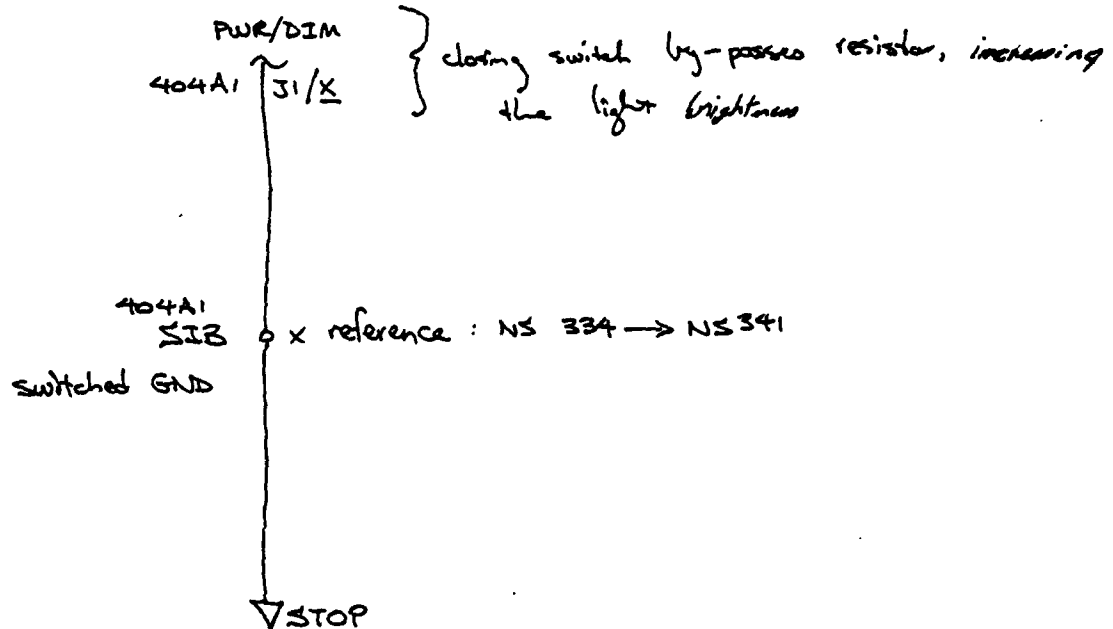
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-190

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

SW GND, LAMP DIMMER

QC

DATE

ANALYST

M. Bennett

DATE

9/22/75

NODAL SET

343

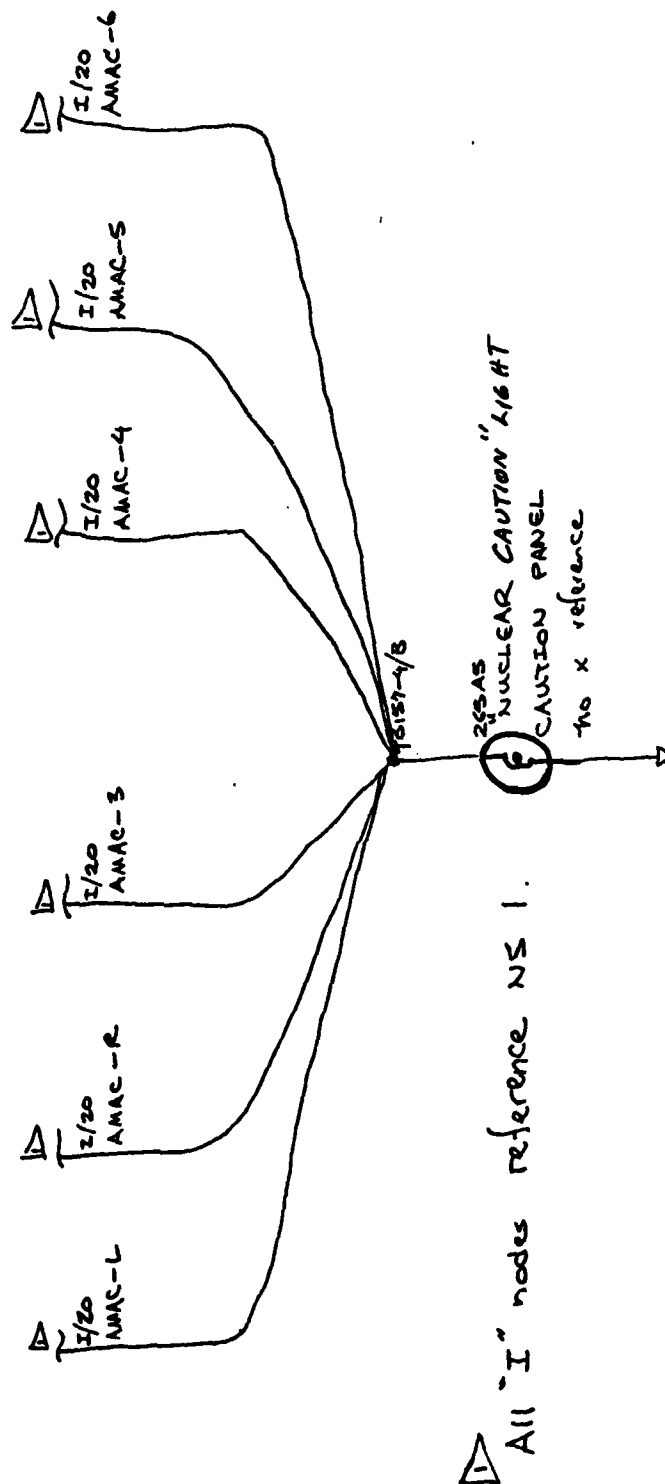
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-191

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

NUCLEAR CAUTION PANEL

QC

H. Holt

DATE

10/2/75

ANALYST

M. Morrett

DATE

9/22/75

NODAL SET

344

HOU-705

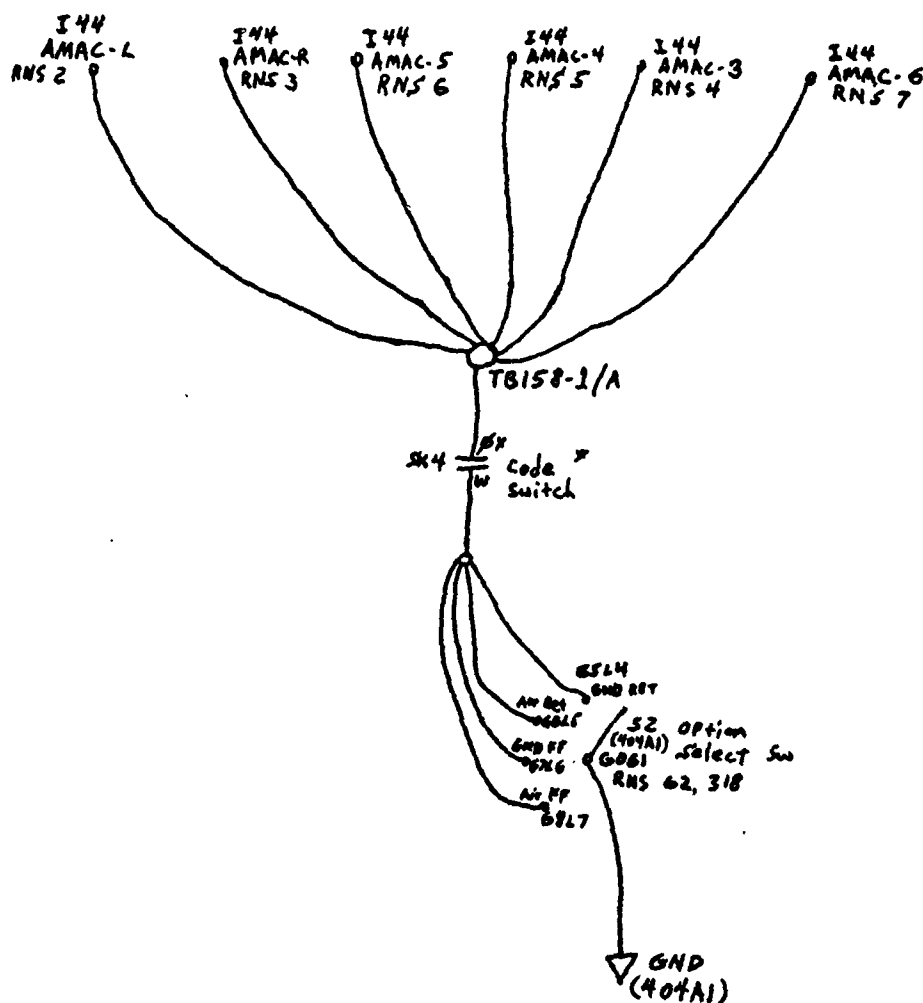
BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS C-192

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



* Code Enabling Switch
to ARM Nuclear Weapon.

PROJECT	TITLE		
FB111-A	OPTION Select		
QC	DATE	ANALYST	DATE
2/1/75	10/9/75	D. Vesper	9-15-75
NODAL SET			345

MOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-193

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 318

SUBJECT

FBIII-A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

346

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 318

SUBJECT

FB111-A

TITLE

QC

DATE

ANALYST

DATE

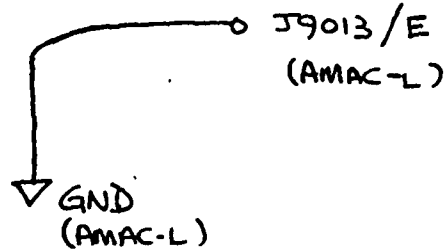
NODAL SET

347

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC to WEAPON INTERFACE.

PROJECT FBIIIA		TITLE AMAC-L GROUND TO WEAPON	
QC H. Holt	DATE 10/2/75	ANALYST L. Holt	DATE 9-18-75
NODAL SET			348

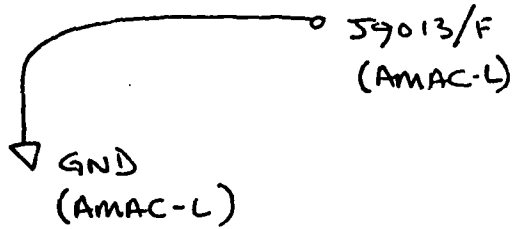
HOU-705

BOEING AEROSPACE COMPANY - MOCKING TEXAS C-106

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC TO WEAPON INTERFACE.

PROJECT FBIIIA		TITLE AMAC-L GROUND TO WEAPON	
QC H. Hall	DATE 10/2/75	ANALYST A. Bon	DATE 9-18-75
		NODAL SET 349	

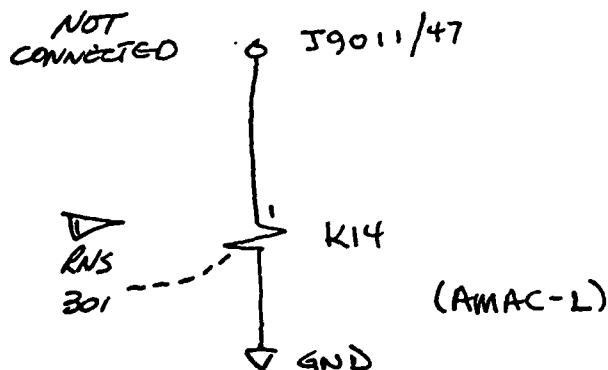
HOU-705

REF ID: A66666

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ This coil is NOT USED: REF. NODAL SETS
CONTAIN CONTACTS THAT WILL NOT BE SWITCHED.

PROJECT

FB111A

TITLE

UNUSED K14 - AMAC - L

QC

+ Stokes

DATE

9-23-75

ANALYST

L. Br

DATE

9-18-75

NODAL SET

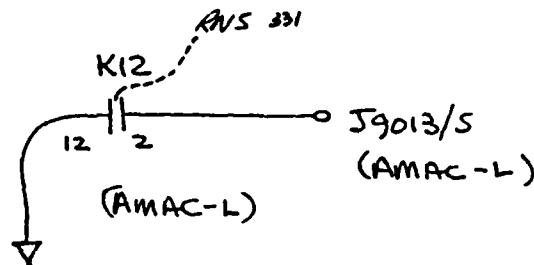
350

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-198

SNEAK CIRCUITS NETWORK TREE

REV



"AMAC-L SPU STATION SELECT" PICKS UP K12 AND SWITCHES GND INTO WEAPON WHEN "OPTION SELECT" SWX. IS IN AN "ARM" POSITION AND "NUCLEAR CONSENT" SWX. IS IN "ARM & RELEASE" POSITION.

PROJECT

FBIIIA

TITLE

AMAC-L "STATION L SELECT"

QC

J. H. H.

DATE

9/29/75

ANALYST

L. B. B.

DATE

9-18-75

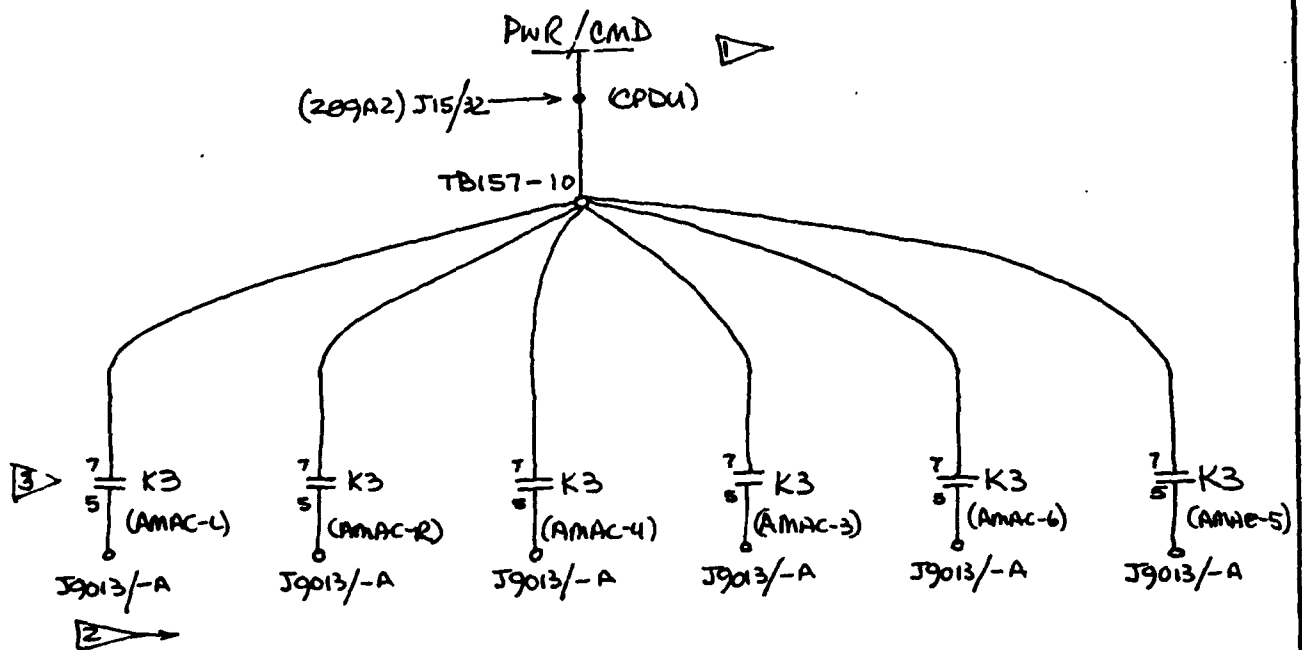
NODAL SET

351

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



1 Command from Central Processor & Distributor Unit:
"SAF Class III Cmd - UP".

2 J9013's ARE AT SRAM INTERFACE

3 FOR ALL K3's, EFF. NS.1

PROJECT

FB111A

TITLE

SAF CLASS III CMD. - UP

QC

DATE

9/29/75

ANALYST

DATE

9-16-75

NODAL SET

352

HOU-703

THE BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-200

02-118576-3

SNEAK CIRCUITS NETWORK TREE

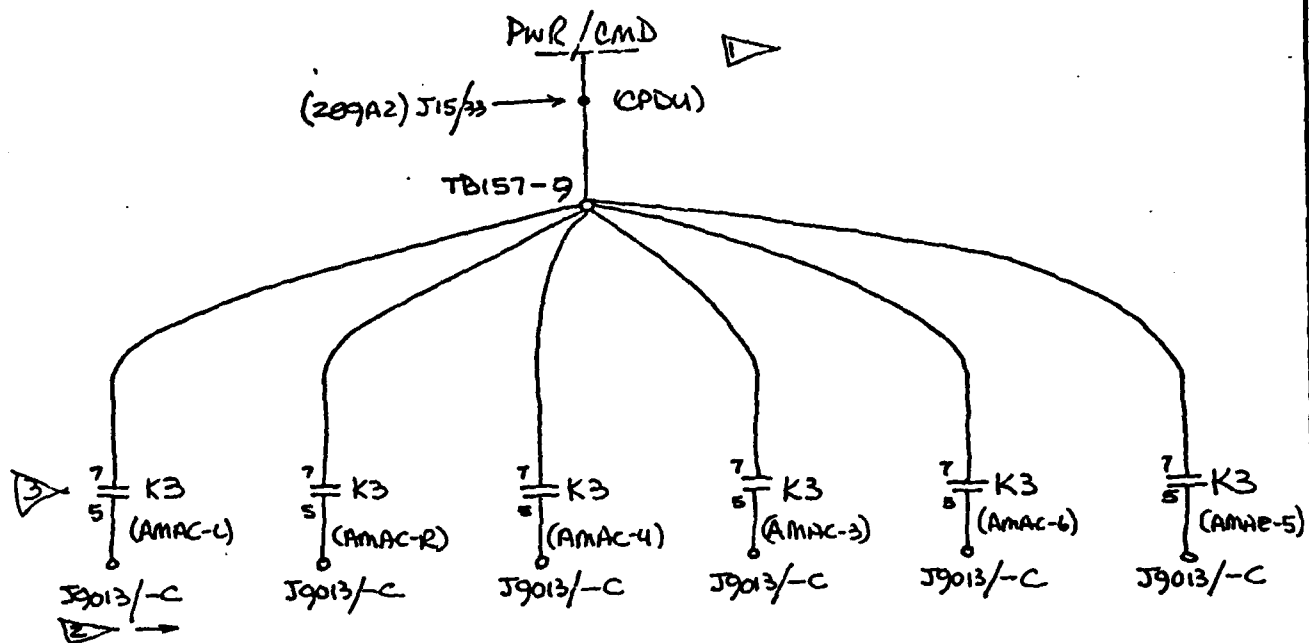
REV

See Nodal Set 318

SUBJECT		TITLE		
FBIII-A				
QC	DATE	ANALYST	DATE	NODAL SET
				353

SNEAK CIRCUITS NETWORK TREE

REV



▷ Command from Central Processor & Distributor Unit:
"SAF Class III Cmd - Dn".

▷ J9013's ARE AT SRAM INTERFACE

▷ For All K3's, Ref. N.S. 1.

JECT

FB111A

TITLE

SAF CLASS III Cmd. - Down

QC

DATE

9/29/75

ANALYST

DATE

9-16-75

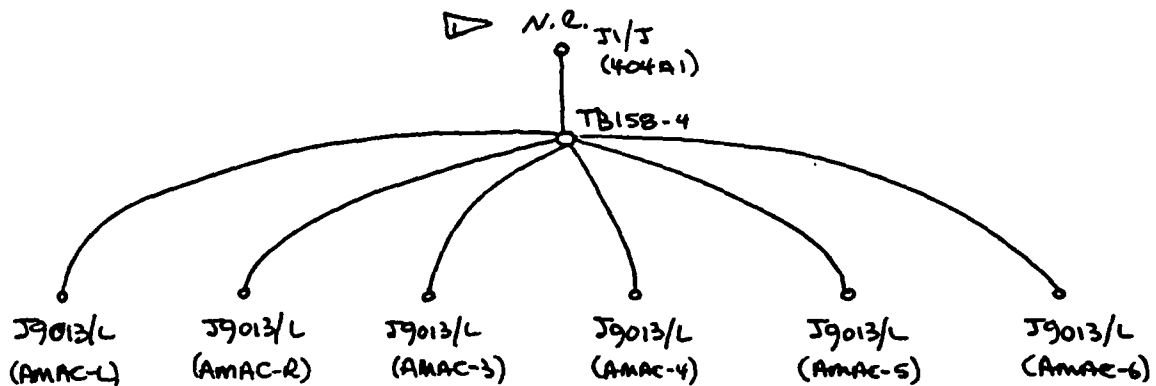
NODAL SET

354

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ NOT CONNECTED IN 404A1, Nuclear Weapon Control Panel

PROJECT

FB111A

TITLE

Open End - NO FUNCTION

QC

H. H. H.

DATE

9/29/75

ANALYST

L. B. B.

DATE

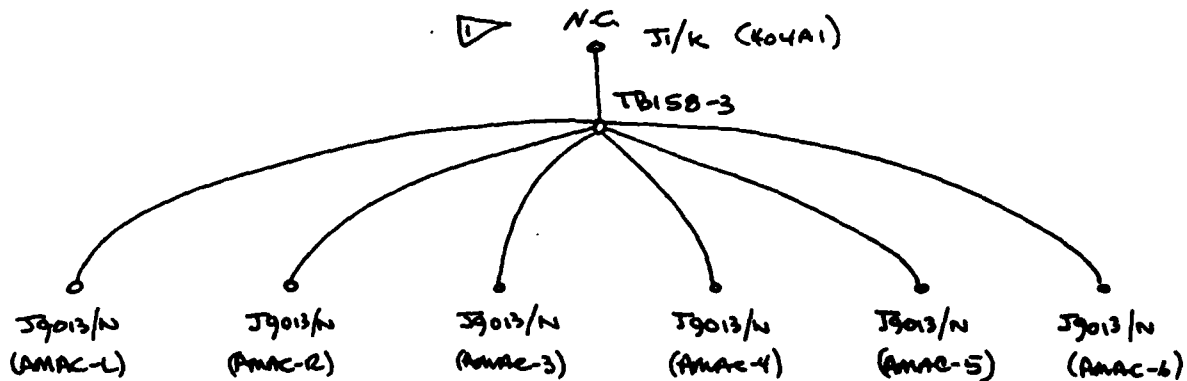
9-16-75

NODAL SET

355

SNEAK CIRCUITS NETWORK TREE

REV



▷ NOT CONNECTED IN 404A1, Nuclear Weapon Control Panel

PROJECT

FB111A

TITLE

Open End - NO FUNCTION

QC

H. H. H.

DATE

9/29/75

ANALYST

L. B. B.

DATE

9-16-75

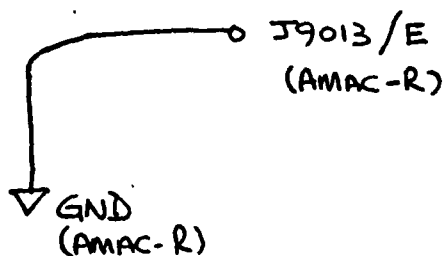
NODAL SET

356

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC to WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-R Ground to WEAPON

QC

H. H. H.

DATE

9/27/75

ANALYST

L. B. B.

DATE

9-18-75

NODAL SET

357

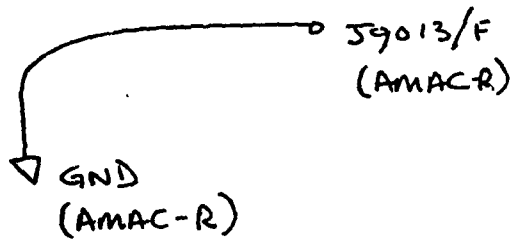
HOU-701

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-204

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC TO WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-R GROUND TO WEAPON

QC

DATE

9/29/75

ANALYST

A. Brown

DATE

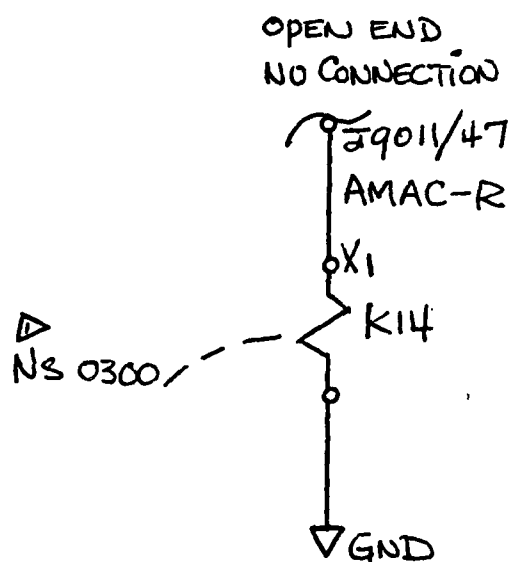
9-18-75

NODAL SET

358

SNEAK CIRCUITS NETWORK TREE

REV



▷ This coil is not used. Ref nodal set
contains contacts that will not be switched

PROJECT
FB111-A

TITLE
AMAC-R

QC

DATE

H 16/4

9/29/75

ANALYST

DATE

P. Vale Jr.

9-26-75

NODAL SET

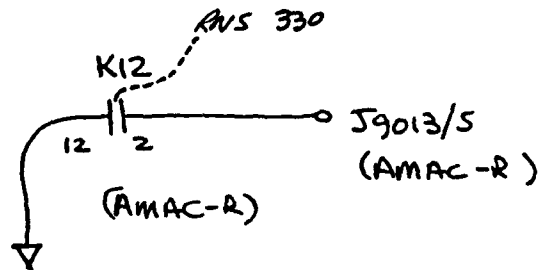
0359

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-206

SNEAK CIRCUITS NETWORK TREE

REV

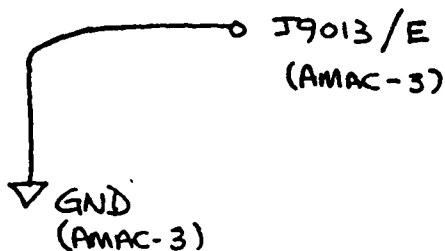


"AMAC-R SPU STATION SELECT" PICKS UP K12 AND SWITCHES AND INTO WEAPON WHEN "OPTION SELECT" SWX. IS IN AN "ARM" POSITION AND "NUCLEAR CONSENT" SWX. IS IN "ARM & RELEASE" POSITION.

PROJECT FB111A		TITLE AMAC-R "STATION R SELECT"		
QC <i>H. Holt</i>	DATE 9/29/75	ANALYST <i>L. B...</i>	DATE 4-18-75	NODAL SET 360

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC TO WEAPON INTERFACE.

PROJECT

FB111A

TITLE

AMAC-3 GROUND TO WEAPON.

QC

H. Holt

DATE

9/29/75

ANALYST

L. Brown

DATE

9-18-75

NODAL SET

361

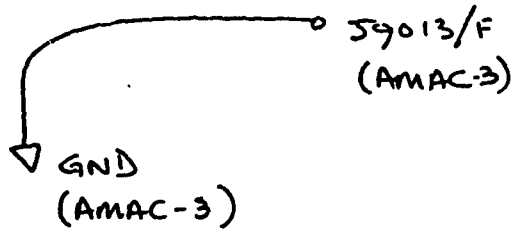
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-208

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC TO WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-3 GROUND TO WEAPON

QC

DATE

9/29/75

ANALYST

A. B.

DATE

9-18-75

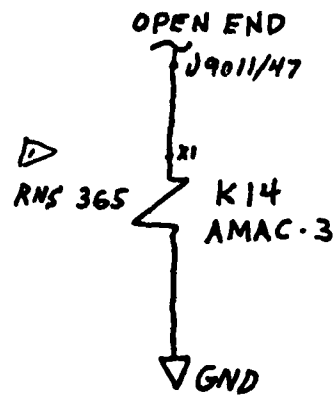
NODAL SET

362

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



! This coil is not used. Ref nodal set contains contacts that will not be switched.

PROJECT

FB111-A

TITLE

AMAC-3

QC

DATE

4/29/75

ANALYST

J. Vergas

DATE

9-25-75

NODAL SET

363

HOU-203

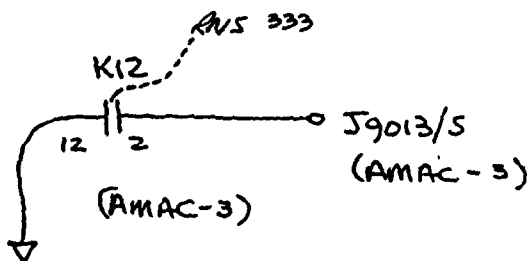
BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS

C-210

SNEAK CIRCUITS NETWORK TREE

REV



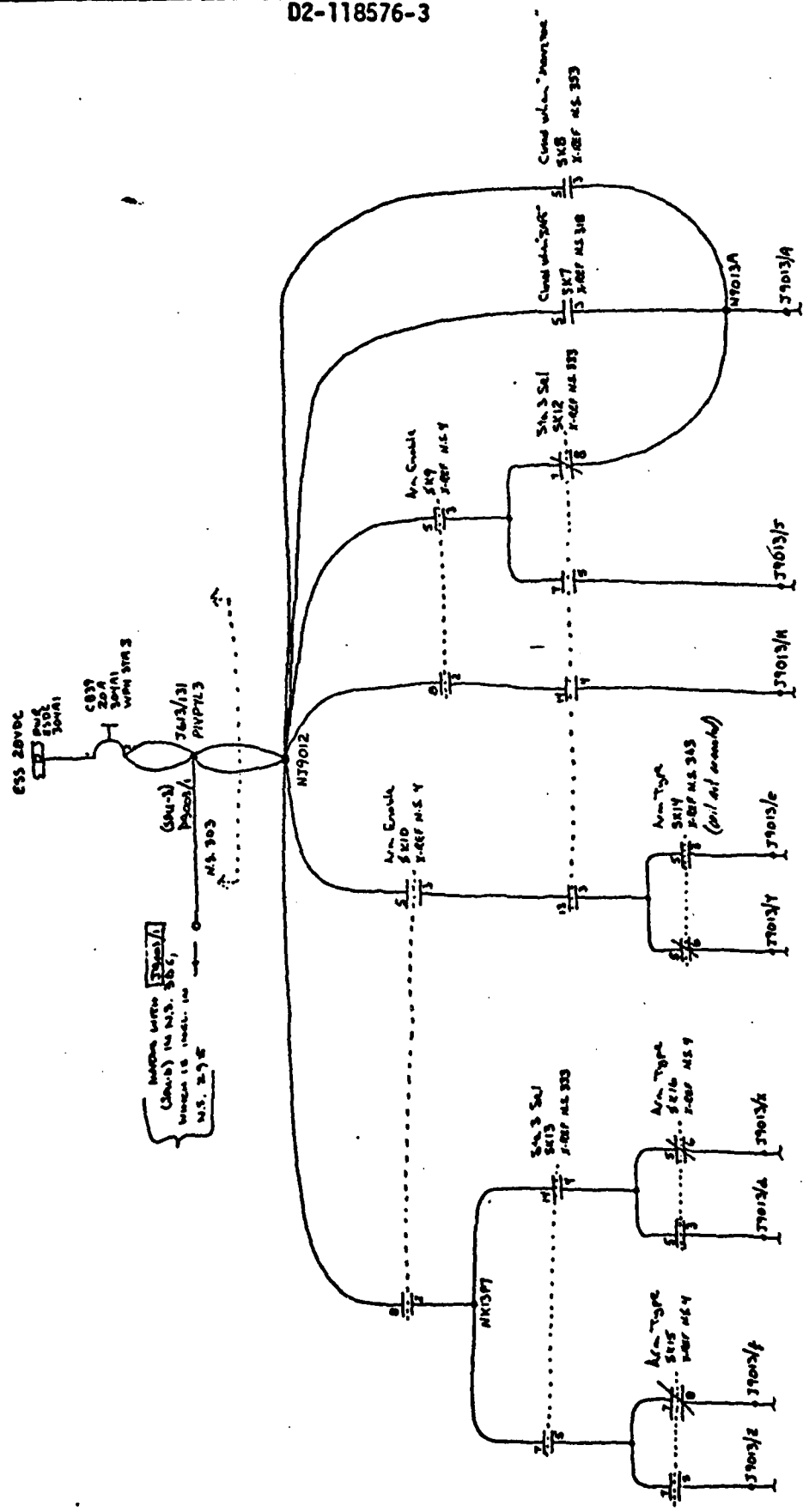
"AMAC-3 SPU STATION SELECT" PICKS UP K12
AND SWITCHES GND INTO WEAPON WHEN
"OPTION SELECT" SWX. IS IN AN "ARM" POSITION
AND "NUCLEAR CONSENT" SWX. IS IN "ARM &
RELEASE" POSITION.

PROJECT FB111A		TITLE AMAC-3 "STATION 3 SELECT"		
QC H. Holt	DATE 9/29/75	ANALYST L. B. [Signature]	DATE 4-18-75	NODAL SET 364
NOU-705		REF ID: A67111		

SNEAK CIRCUITS NETWORK TREE

D2-118576-3

REV



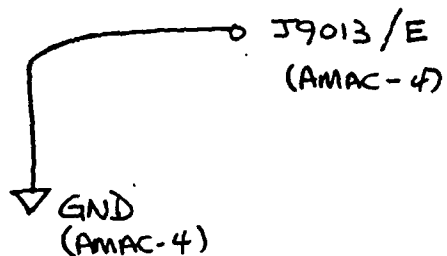
- NOTES:
1. REF DES IS AMAC-3 UNLESS OTHERWISE SHOWN
 2. INCLUDES MODAL SET 303
 3. J7513 MATES WITH BOMB INTERFACE

PROJECT	FB-111A	TITLE	AMAC-3
QC	1/14/44	DATE	9/25/75
ANALYST	Tr. J. J. J.	DATE	9/25/75
NODAL SET	365D		

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC TO WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-4 GROUND TO WEAPON

QC

DATE

7/29/75

ANALYST

L. B. Brown

DATE

9-18-75

NODAL SET

366

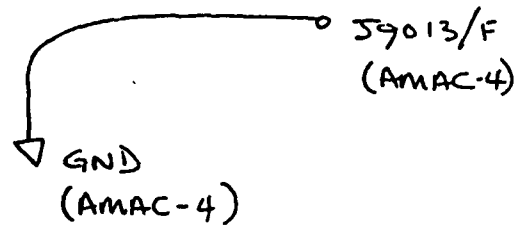
HOU-705

BOEING AIRCRAFT COMPANY - HOUSTON, TEXAS C-213

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC TO WEAPON INTERFACE.

PROJECT FBIIIA		TITLE AMAC-4 GROUND TO WEAPON			
QC J/H	DATE 9/26/75	ANALYST A/B	DATE 9-18-75	NODAL SET 367	

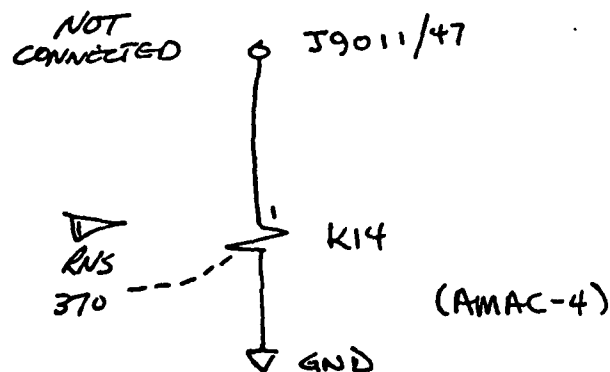
HOU-703

RECEIVED

P-21A

SNEAK CIRCUITS NETWORK TREE

REV



▷ THIS COIL IS NOT USED: REF. NODAL SETS
CONTAIN COILS THAT WILL NOT BE SWITCHED.

PROJECT

FB111A

TITLE

UNUSED K14 - AMAC - 4

QC

DATE

9/29/75

ANALYST

DATE

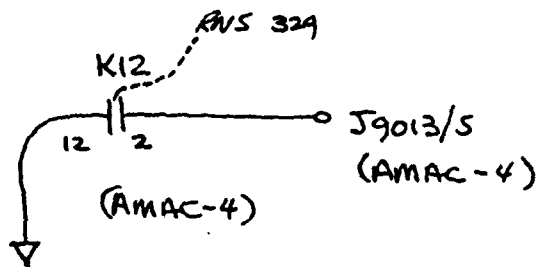
9-18-75

NODAL SET

368

SNEAK CIRCUITS NETWORK TREE

REV



"AMAC-4 SPU STATION SELECT" PICKS UP K12 AND SWITCHES GND INTO WEAPON. WHEN "OPTION SELECT" SWX. IS IN AN "ARM" POSITION AND "NUCLEAR CONSENT" SWX. IS IN "ARM & RELEASE" POSITION.

PROJECT

FB111A

TITLE

AMAC-4 "STATION 4 SELECT"

QC

H. Holt

DATE

9/29/75

ANALYST

L. B. 12

DATE

9-18-75

NODAL SET

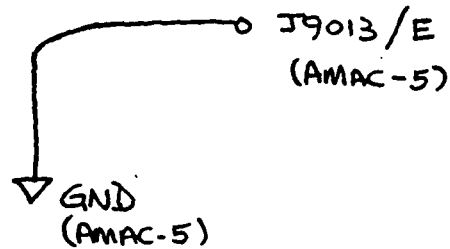
369

HOU-705

BOEING AEROSPACE COMPANY • HOUSTON, TEXAS C-216

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC TO WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-5 GROUND TO WEAPON

QC

H. Holt

DATE

9/29/75

ANALYST

L. Brown

DATE

9-18-75

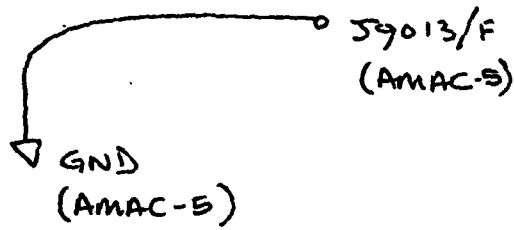
NODAL SET

371

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC TO WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-5 GROUND TO WEAPON

QC

DATE

9/29/75

ANALYST

A. Brown

DATE

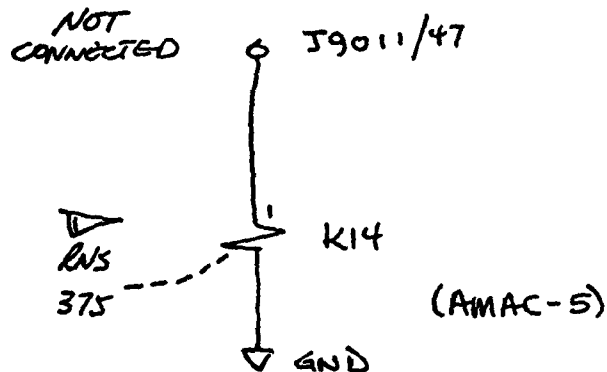
9-18-75

NODAL SET

372

D2-118576-3
SNEAK CIRCUITS NETWORK TREE

REV



▷ This coil is NOT USED: REF. NODAL SETS
CONTAIN COILS THAT WILL NOT BE SWITCHED.

PROJECT

FB111A

TITLE

UNUSED K14 - AMAC-5

QC

H.16/14

DATE

9/29/75

ANALYST

L. Ben

DATE

9-18-75

NODAL SET

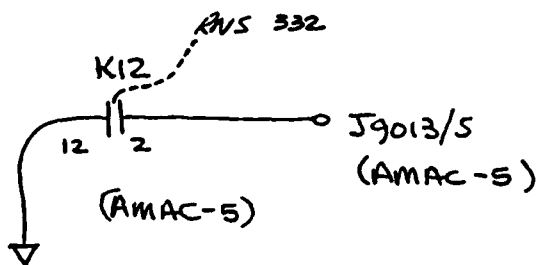
373

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-220

SNEAK CIRCUITS NETWORK TREE

REV



"AMAC-5 SPU STATION SELECT" PICKS UP K12 AND SWITCHES GND INTO WEAPON WHEN "OPTION SELECT" SWX. IS IN AN "ARM" POSITION AND "NUCLEAR CONSENT" SWX. IS IN "ARM & RELEASE" POSITION.

PROJECT
FBIIIA

TITLE

AMAC-5 "STATION 5 SELECT"

QC

DATE

11/16/74

9/29/75

ANALYST

DATE

L. Brown

9-18-75

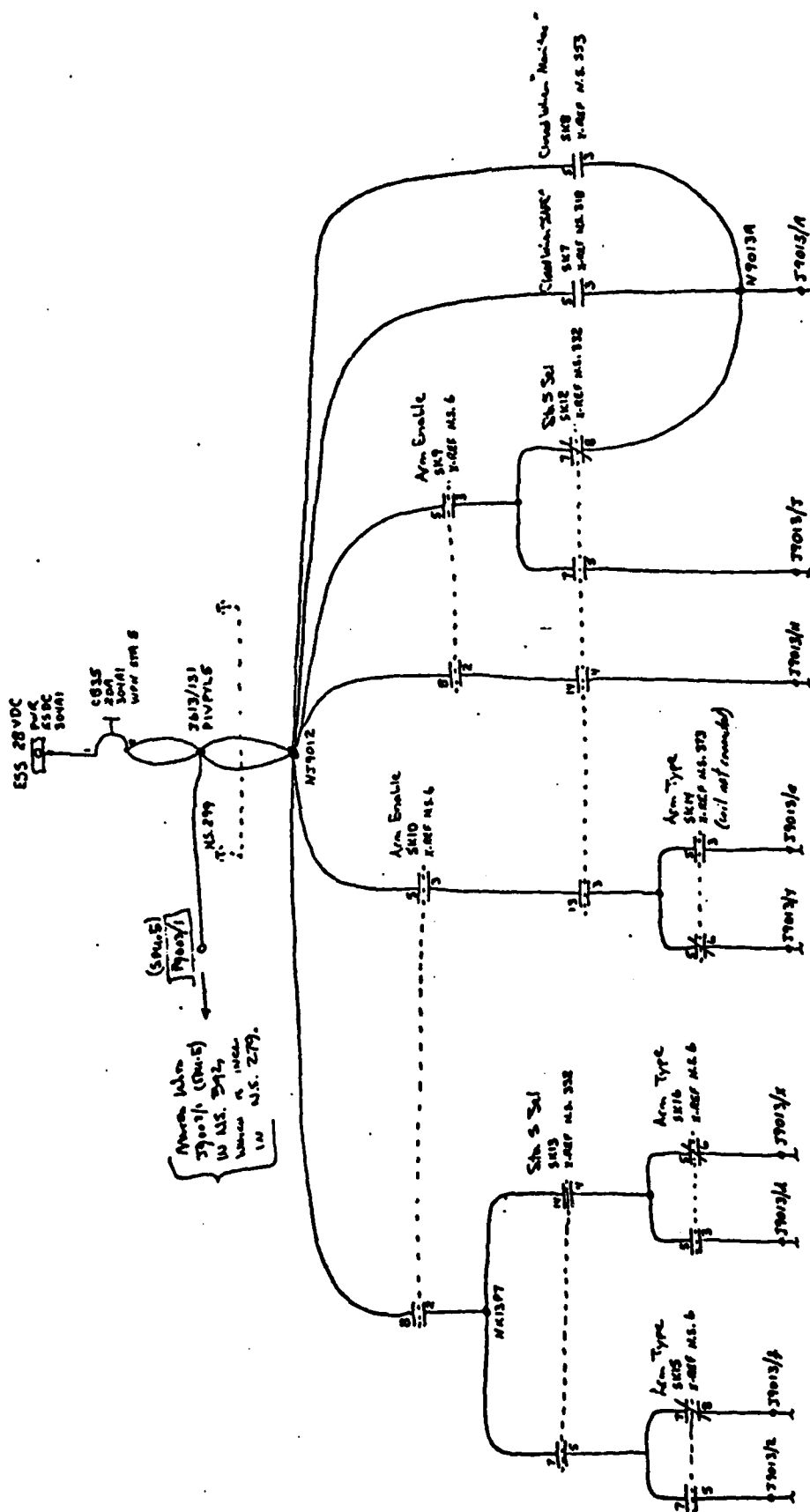
NODAL SET

374

HOU-705

REF ID: A66666

SNEAK CIRCUITS NETWORK TREE



NOTES:

1. REF DES IS ANALYSIS ADDRESS OPERATIONS SHOWN
2. INCLUDES MODAL SET 299
3. IT IS MIXED WITH BOMB INTERFACE

PROJECT	TITLE

AMAC-5

QC. DATE

ANALYST'S DATE

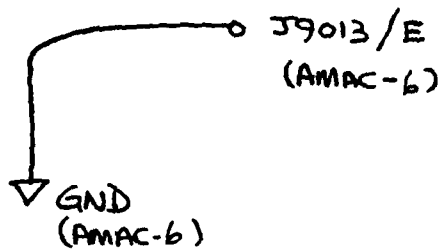
1

MODAL SET 37520

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



Ground from AMAC to WEAPON INTERFACE.

PROJECT		TITLE			
FBIIIA		AMAC-6 GROUND TO WEAPON			
QC	DATE	ANALYST	DATE	NODAL SET	
H. 11-14	9/29/75	<i>L. Brown</i>	8-18-75	376	

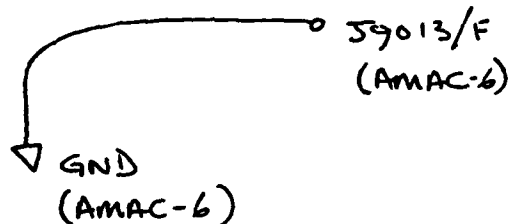
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-223

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC TO WEAPON INTERFACE.

PROJECT

FBIIIA

TITLE

AMAC-6 GROUND TO WEAPON

QC

DATE

H/14 9/29/75

ANALYST

DATE

J. Ben 9-18-75

NODAL SET

377

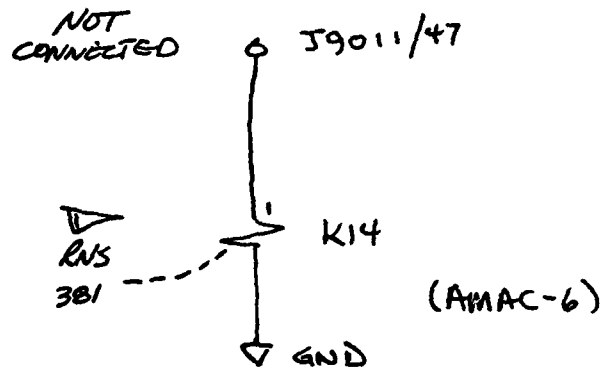
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-224

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ THIS COIL IS NOT USED: REF. NODAL SETS
CONTAIN COILS THAT WILL NOT BE SWITCHED.

PROJECT

FB111A

TITLE

UNUSED K14 - AMAC-6

QC

DATE

H. H. 11 9/29/75

ANALYST

DATE

L. B. 9-18-75

NODAL SET

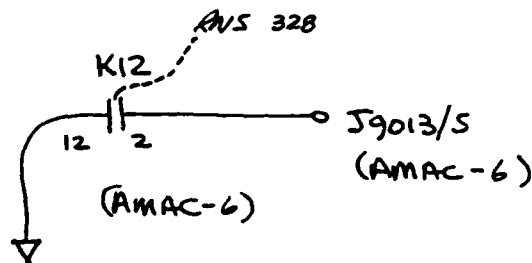
378

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-225

SNEAK CIRCUITS NETWORK TREE

REV



"AMAC-6 SPAU STATION SELECT" PICKS UP K12
AND SWITCHES GND INTO WEAPON WHEN
"OPTION SELECT" SWX IS IN AN "ARM" POSITION
AND "NUCLEAR CONSENT" SWX IS IN
"ARM & RELEASE" POSITION.

PROJECT FB111A		TITLE AMAC-6 "STATION 6 Select"	
QC H/LH	DATE 9/29/75	ANALYST L. B. [Signature]	DATE 4-18-75
		NODAL SET 379	

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 318

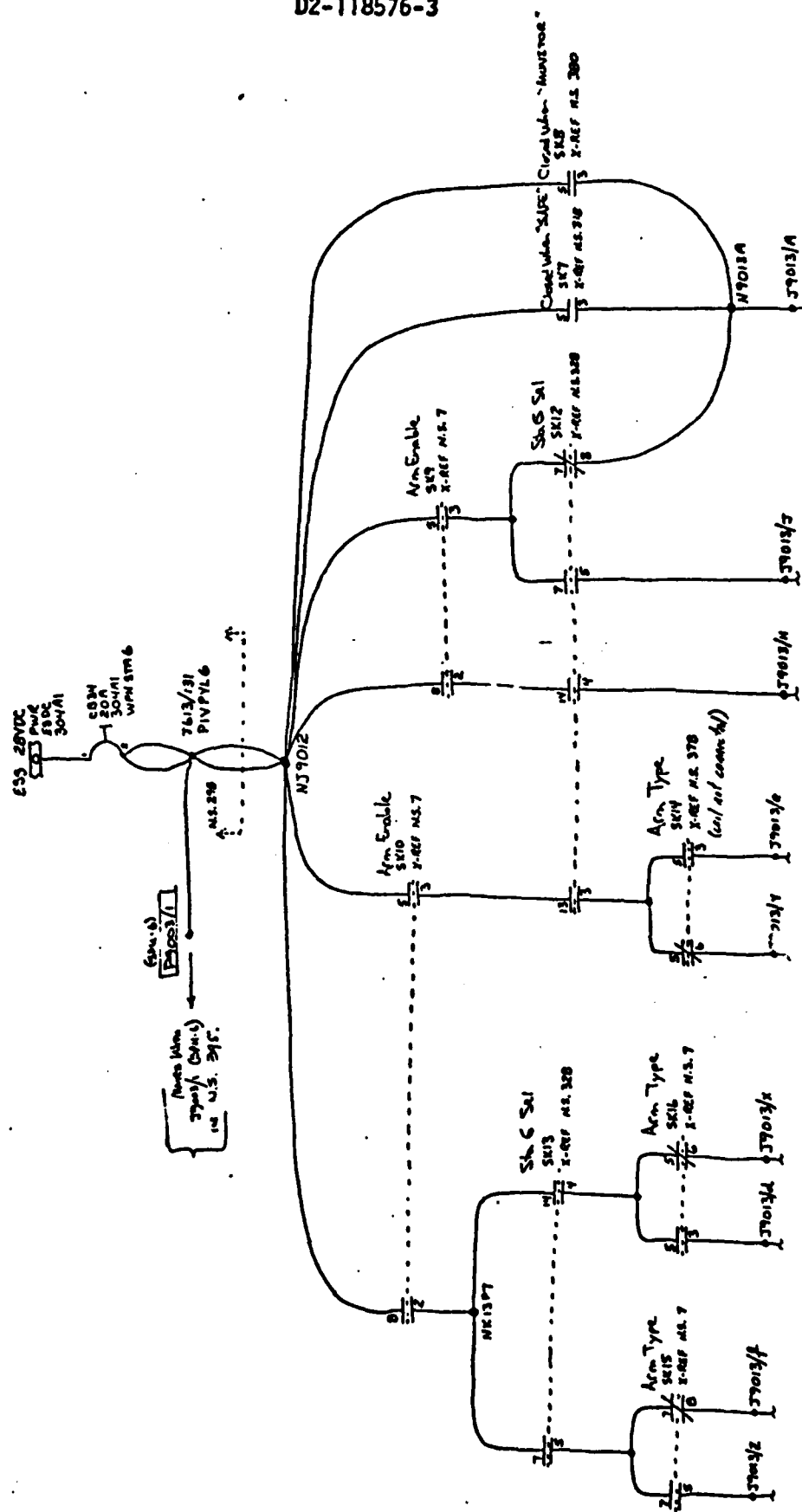
SUBJECT		TITLE		
FBIII-A				
QC	DATE	ANALYST	DATE	NODAL SET
				380

HOM-205

BRIERLY AEROSPACE COMPANY - HOUSTON, TEXAS C-227

As

SNEAK CIRCUITS NETWORK TREE



wpf:

2. INCLUDES NORMAL SET 298

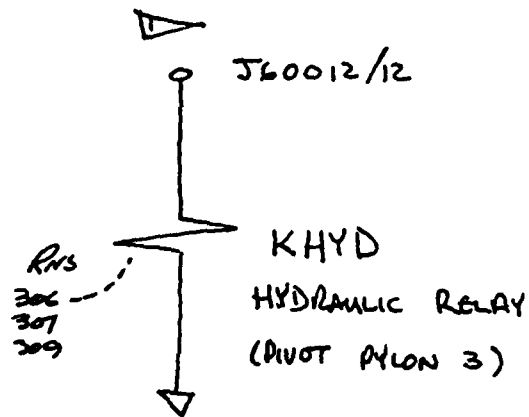
3. 290.3 MATES WITH LMB 207605ACE

1. INTRODUCTION

PROJECT FB-111A	TITLE AMAC-6	ANALYST M. F. J. M.	DATE 9/23/75	MODAL SET 3810

SNEAK CIRCUITS NETWORK TREE

REV



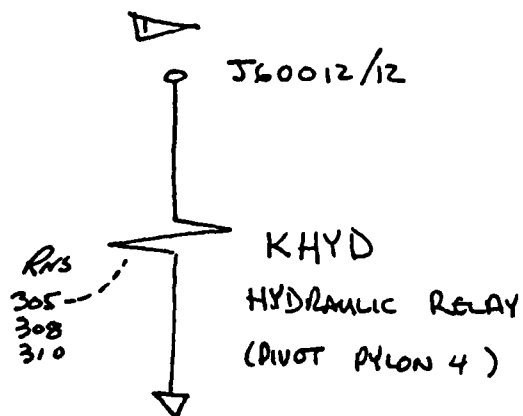
▷ Command for this coil originates in SRAM, in CPDU: "HYDRAULIC POWER ON CMD". OUT OF SCOPE.

PROJECT		TITLE	
FB111A		HYDRAULIC RELAY - PIVOT PYLON 3	
QC	DATE	ANALYST	DATE
H. H. H.	9/29/75	<i>[Signature]</i>	9-18-75
NODAL SET			382

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ Command for this coil originates in SRAM, in CPDU: "HYDRAULIC POWER ON CMD". OUT OF SCOPE.

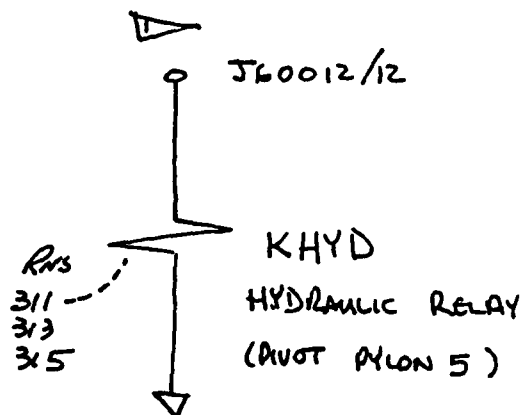
PROJECT FB111A		TITLE HYDRAULIC RELAY - PIVOT PYLON 4		
QC 11/6/14	DATE 7/29/75	ANALYST L/B	DATE 9-18-75	NODAL SET 383

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-230

SNEAK CIRCUITS NETWORK TREE

REV



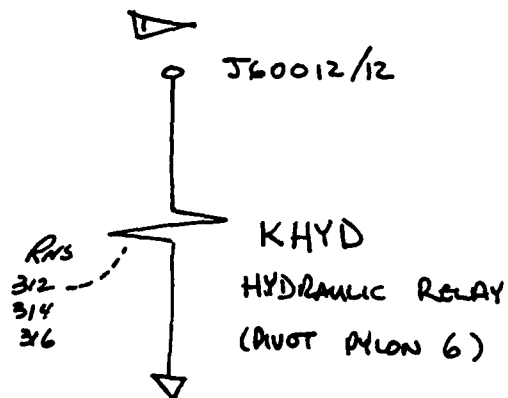
Command for this coil originates in SRAM, in CPDU: "HYDRAULIC POWER ON CMD". OUT OF SCOPE.

PROJECT FB111A		TITLE HYDRAULIC RELAY - PIVOT PYLON 5	
QC H. H. 11	DATE 9/29/75	ANALYST L. B. M.	DATE 9-18-75
NODAL SET 384			

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ COMMAND FOR THIS COIL ORIGINATES IN SRAM, IN
 CDDU: "HYDRAULIC POWER ON CMD". OUT OF SCOPE.

PROJECT FBIIIA		TITLE HYDRAULIC RELAY - PIVOT PYLON 6			
QC 11/16/74	DATE 9/29/75	ANALYST L. H. M.	DATE 9-18-75	NODAL SET 385	

HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-232

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 295

PROJECT		TITLE	
FB-111A		PYLON JET 8 CZ CARTRIDGE BREECH SQUIBS	
QC	DATE	ANALYST	DATE
		M. E. Brown	9/16/75
		NODAL SET	386

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 294

PROJECT

FB-111A

TITLE

ARMING SOLENOIDS & SQUIBS

QC

DATE

ANALYST

M. B. Bane

DATE

9/17/75

NODAL SET

387

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-234

SNEAK CIRCUITS NETWORK TREE

REV

OPEN, NO CONNECTION

13
3SPU-3
SK9no X reference
160, 182, 205, 227} NC contacts are open and have
been deleted here

MAU-12-3

TAIL ARMING SOLENOID

NO X REFERENCE

GND

Typical for MAU-12-4, 5 + 6 Tail Arming Solenoid
connected to SPU-4, 5 and 6 SK9 respectively

* INCLUDES NODAL SETS 391, 394, 397

PROJECT

FB-111 A

TITLE

Tail Arming Solenoid — No Connection

QC

H/164

DATE

9/30/75

ANALYST

McLarnett

DATE

9/16/75

NODAL SET

388*

HOU-205

BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS C-235

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 277

PROJECT

FB-111A

TITLE

PYLON JET & CZ CARTRIDGE BREECH SQUIBS

QC

DATE

ANALYST

DATE

NODAL SET

M. Barnett

9/16/75

389

HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-236

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 276

PROJECT

FB-111A

TITLE

ARMING SOLENOIDS & SQUIBS

QC

DATE

ANALYST

DATE

M. H. H. H.

9/17/75

NODAL SET

390

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-237

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 388

PROJECT

FB-111A

TITLE

Tail Arming Solenoid — No Connection

QC

DATE

ANALYST

m. Marrett

DATE

9/16/75

NODAL SET

391

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 279

PROJECT		TITLE	
FB-111A		PYLON JET & CZ CARTRIDGE BREECH SQUIBS	
QC	DATE	ANALYST	DATE
		m. H. H. H.	9/16/75
		NODAL SET	392

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-239

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 278

PROJECT

FB111A

TITLE

ARMING SOLENOIDS & EQUIBS

QC

DATE

ANALYST

DATE

9/17/75

NODAL SET

393

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-240

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

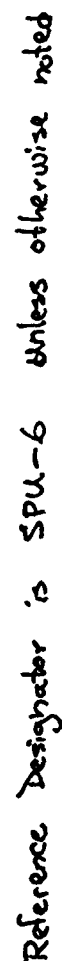
See NS 388

PROJECT		TITLE	
FB-111A		Tail Arming Solenoid - No Connection	
QC	DATE	ANALYST	DATE
		M. Barnett	9/16/75
		NODAL SET	394

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-241

REV



All relay contacts shown have an NC set that is not connected — they have been deleted for clarity.

* INCLUDES NODAL SETS 430/431

SUBJECT		TITLE			
FB-111A		PYLON JET & C2 CARTRIDGE BREECH SQUIBS			
QC	DATE	ANALYST	DATE	NODAL SET	
2/1/75	9/30/75	M. J. HENNETT	9/16/75	395 *	

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 321D

PROJECT

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

396

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-243

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 388

PROJECT		TITLE	
FB-111A		Tail Arming Solenoid — No Connection	
QC	DATE	ANALYST	DATE
		McHarrett	9/16/75
		NODAL SET	397

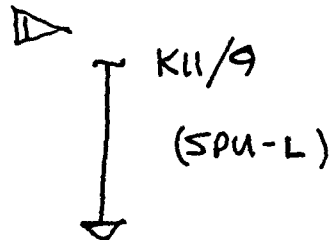
MOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-244

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ K11 NOT USED: EMPTY SOCKET WITH
HARDWIRED GROUND.

PROJECT

FB111A

TITLE

UNUSED RELAY GROUND CONNECTION

QC

Holt

DATE

9/29/95

ANALYST

L. Brown

DATE

9-18-75

NODAL SET

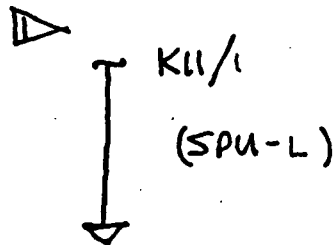
398

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-245

SNEAK CIRCUITS NETWORK TREE

REV



△ K11 NOT USED: EMPTY SOCKET WITH
HARDWIRED GROUND.

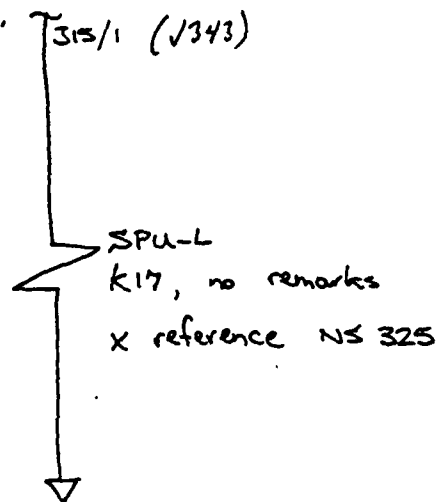
PROJECT		TITLE	
FB111A		UNUSED RELAY GROUND CONNECTION	
QC	DATE	ANALYST	DATE
H. 1614	9/29/75	LB	9-18-75
NODAL SET			399

SNEAK CIRCUITS NETWORK TREE

REV

OPEN - SRAM DISC

'289' J315/1 (J343)



PROJECT

FB-111A

TITLE

K17, SPU-L; NO CONNECTION

QC

H/111A

DATE

9/30/75

ANALYST

M. Marnett

DATE

9/22/75

NODAL SET

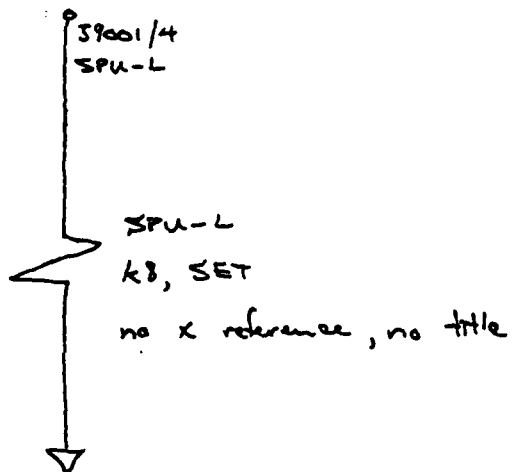
400

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-247

SNEAK CIRCUITS NETWORK TREE

REV

OPEN
SRAM INTERFACE

PROJECT

FB-111A

TITLE

K8, Set coil, SPU-L

QC

H. Holt

DATE

9/30/75

ANALYST

M. Marnett

DATE

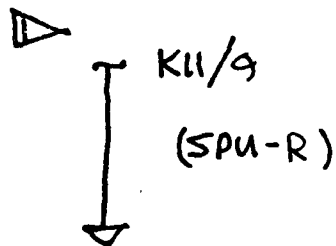
9/22/75

NODAL SET

401

SNEAK CIRCUITS NETWORK TREE

REV



▷ K11 NOT USED: EMPTY SOCKET WITH
HARDWIRED GROUND.

PROJECT

FB111A

TITLE

UNUSED RELAY GROUND CONNECTION

QC

DATE

9/30/75

ANALYST

DATE

9-18-75

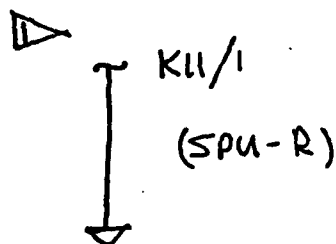
NODAL SET

402

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV.



△ K11 NOT USED: EMPTY SOCKET WITH
HARDWIRED GROUND.

PROJECT
FB111A

TITLE
UNUSED RELAY GROUND CONNECTION

QC

DATE

9/30/75

ANALYST

L. Bon

DATE

9-18-75

NODAL SET

403

HOU-705

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-250

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

OPEN

J9001/5
SPU-R

SPU-R

K17, no remarks

x. reference NS 319

PROJECT

FB-111A

TITLE

K17, SPU-R; NO CONNECTION

QC

DATE

H. Holt 9/30/75

ANALYST

DATE

M. Harvett 9/22/75

NODAL SET

404

HOU-705

BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS

C-257

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

OPEN, SRAM INTERFACE

39001/4
SPU-R

SPU-R

k8, set

no x reference, no title

PROJECT

FB-111A

TITLE

k8, set coil, SPU-R

QC

11/1/77

DATE

9/30/76

ANALYST

m. Harwell

DATE

9/22/75

NODAL SET

405

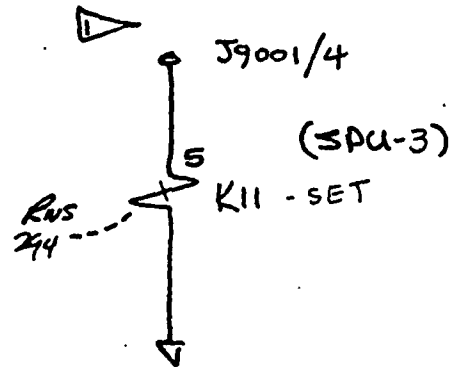
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-252

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ To STATION 23 SRAM DISCONNECT - NOT IN SCOPE.

PROJECT FBI111A		TITLE K11-SPU-3, SRAM CONTROLLED.	
QC H. Holt	DATE 9/30/75	ANALYST L. Brown	DATE 9-19-75
		NODAL SET 406	

HOU-705

BOEING AEROSPACE COMPANY • HOUSTON, TEXAS C-253

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 294

OBJECT

FB111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

LB.

9-19-75

407

02-118576-2

SNEAK CIRCUITS NETWORK TREE

REV

See NS 150

PROJECT

FB-111A

TITLE

OUTPUT PYL JTSN — SPU-3

QC

DATE

ANALYST

DATE

M. Barnett

9/19/75

NODAL SET

408

SNEAK CIRCUITS NETWORK TREE

REV

See NS 153

PROJECT

FB-111A

TITLE

OUTPUT PYLON JTSN — SPU-3

QC

DATE

ANALYST

DATE

M. Barnett

9/19/75

NODAL SET

409

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 160

PROJECT FB-111A		TITLE OUTPUT OPTION 2 — SPU-3	
QC	DATE	ANALYST <i>M. Barnett</i>	DATE 9/22/75
		NODAL SET 410	

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-256

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 295

PROJECT

FB-111 A

TITLE

PYLON JET & C2 CARTRIDGE BREECH SQUIBS

QC

DATE

ANALYST

m. Harwood

DATE

9/16/75

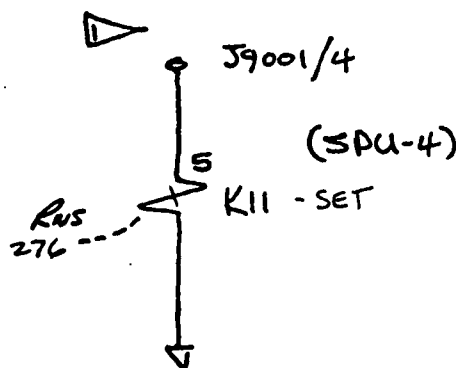
NODAL SET

411

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ To STATION 23 SRAM DISCONNECT - NOT IN SCOPE.

PROJECT FB111A		TITLE K11-SPU-4, SRAM CONTROLLED.		
QC H/Holt	DATE 9/30/75	ANALYST L.Bm	DATE 9-19-75	NODAL SET 412

HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-25R

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 276

SUBJECT

FBI/IA

TITLE

QC

DATE

ANALYST

L.B.

DATE

9-19-75

NODAL SET

413

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 172

PROJECT FB111-A		TITLE		
QC	DATE	ANALYST	DATE	NODAL SET 414

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 175

PROJECT FB111-A		TITLE		
QC	DATE	ANALYST	DATE	NODAL SET 415

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Net 182

PROJECT

FB-111A

TITLE

OUTPUT OPTION 2 — SPU-4

QC

DATE

ANALYST

M. Garnett

DATE

9/22/75

NODAL SET

416

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 277

PROJECT

FB-111A

TITLE

PYLON JET & C2 CARTRIDGE BREECH SQUIBS

QC

DATE

ANALYST

DATE

9/16/75

NODAL SET

417

HOU-205

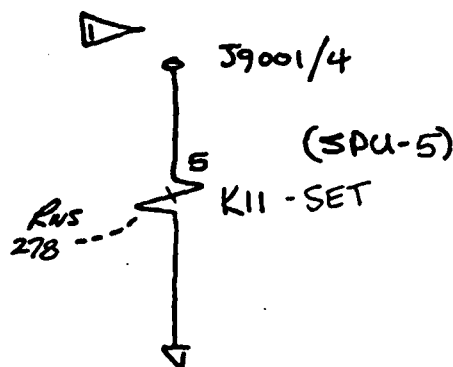
BOEING

AEROSPACE COMPANY - HOUSTON, TEXAS C-262

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ To STATION 23 SRAM DISCONNECT - NOT IN SCOPE.

PROJECT		TITLE			
FBI/IIA		K11-SPU-5, SRAM Controls.			
QC	DATE	ANALYST	DATE	NODAL SET	
H. H. H.	9/30/75	L. B. M.	9-19-75	418	

MOU-703

REFINE (SNEAK CIRCUITS NETWORK TREE) C-263

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 278

OBJECT		TITLE		
FBIIIA				
QC	DATE	ANALYST	DATE	NODAL SET
		LB.	7-19-75	419

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE NS 195

SUBJECT

FB111A

TITLE

QC

DATE

ANALYST

DATE

9-19-75

NODAL SET

420

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See N.S. 198

JECT		TITLE		
FBIIIA				
QC	DATE	ANALYST	DATE	NODAL SET
		<i>Lib</i>	9-19-75	421

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 205

PROJECT

FB-111A

TITLE

OUTPUT OPTION 2 ----- SPU-5

QC

DATE

ANALYST

DATE

M. Barnett

9/22/75

NODAL SET

422

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-267

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 279

PROJECT

FB-111A

TITLE

PYLON JET & CZ CARTRIDGE BREECH SQUIBS

QC

DATE

ANALYST

DATE

NODAL SET

M. Barnett

9/16/75

423

HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-268

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 321D

PROJECT

FB-111A

TITLE

ARMING SOLENOIDS & SQUIBS

QC

DATE

ANALYST

M. Darnell

DATE

9/17/75

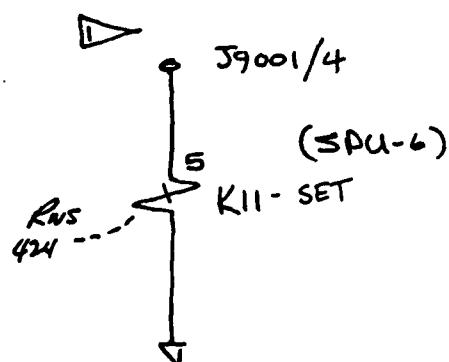
NODAL SET

424

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



▷ To STATION 23 SRAM DISCONNECT - NOT IN SCOPE.

PROJECT

F13111A

TITLE

K11-SPU-6, SRAM CONTROLLED.

DATE

9/30/75

ANALYST

L. Brown

DATE

9-19-75

NODAL SET

425

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 321 D

SUBJECT

FBIIIA

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

9-19-75

426

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See N.S. 217

PROJECT

FB111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

L.B.

9-19-75

427

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 220

PROJECT

FB111A

TITLE

QC

DATE

ANALYST

LB

DATE

1-19-75

NODAL SET

428

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See NS 227

PROJECT

FB-111A

TITLE

OUTPUT OPTION 2 ——— SPU-6

QC

DATE

ANALYST

DATE

9/22/75

NODAL SET

429

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-274

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 395

PROJECT

FB-111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

430

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 395

PROJECT

FB-111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

431

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 67

PROJECT

FB111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

L.B.

9-19-75

432

SNEAK CIRCUITS NETWORK TREE

REV

SEE N.S. 64

PROJECT

FB111A

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

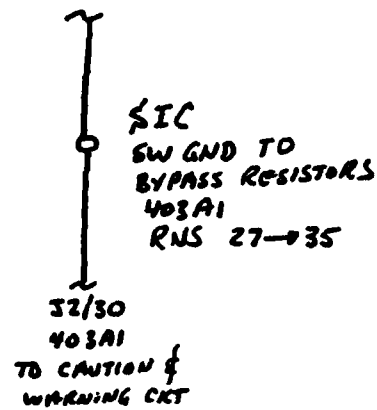
L.B.

9-19-75

433

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

BRIGHT/DIM CKT

QC

H/H/t

DATE

9/30/75

ANALYST

P. Stoker

DATE

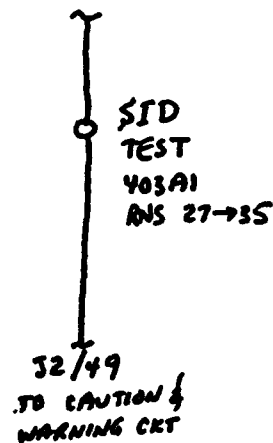
9-19-75

NODAL SET

434

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

TEST

QC

H/H/t

DATE

9/30/75

ANALYST

P. Stoker

DATE

9-19-75

NODAL SET

435

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

See Nodal Set 36

PROJECT		TITLE		
FB111-A				
QC	DATE	ANALYST	DATE	NODAL SET
				436

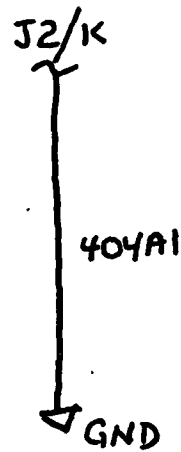
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-278

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB-111A

TITLE

GROUND

QC

DATE

9/30/75

ANALYST

R. Stokes

DATE

9-22-75

NODAL SET

437

NOU-705

THE **BOEING** AEROSPACE COMPANY - HOUSTON, TEXAS C-279

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

SEE NODAL SET 317

PROJECT

FB-111A

TITLE

NUCLEAR UNLOCK

QC

DATE

ANALYST

DATE

NODAL SET

T. Stokes

9-19-75

438

SNEAK CIRCUITS NETWORK TREE

REV

51001/3
CPUGRD/2406
CPU

PROJECT

FB-111A

TITLE

GROUND

QC

DATE

ANALYST

DATE

NODAL SET

H/Int

9/30/75

T. Stokes

9-19-75

439

02-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

J1001/4

CPU

GRD/2407

PROJECT

FB-111A

TITLE

GROUND

QC

DATE

9/30/75

ANALYST

F. Stokes

DATE

9-22-75

NODAL SET

440

HOU-705

THE **BOEING** AEROSPACE COMPANY - HOUSTON, TEXAS C-281

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

NODAL SETS 441 — 459 ARE GROUND
WIRES ONLY AND WERE BID IN ERROR.

PROJECT

FB-111A

TITLE

GROUND WIRES

QC

DATE

ANALYST

DATE

NODAL SET

T. Stokes

9-19-75

441 → 459

SNEAK CIRCUITS NETWORK TREE

REV

PIYPYL6
J613

103

PIVOT PYLON 2-70

4

J60011

OPEN, GRD/2505

105

PIVOT PYLON 3-70

5

OPEN, GRD/2506

107

PIVOT PYLON 2-70

6

OPEN, GRD/2507

123

PIVOT PYLON 2-70

6

J60010

OPEN, GRD/2040

124

PIVOT PYLON 2-70

7

OPEN, GRD/2041

NO CROSS REFERENCES

PROJECT

FB-111A

TITLE

PIVOT PYLON 2-70 GNDS

QC

H/lat

DATE

9/30/75

ANALYST

M Barnett

DATE

9/22/75

NODAL SET

460-464

AD-A103 953

BOEING AEROSPACE CO HOUSTON TX

F/G 15/6

ELECTRICAL ANALYSIS OF B-82/FB-111 AMAC AND RELEASE CIRCUITRY U--ETC(U)

OCT 75

F29601-76-C-0017

UNCLASSIFIED

D2-118576-3

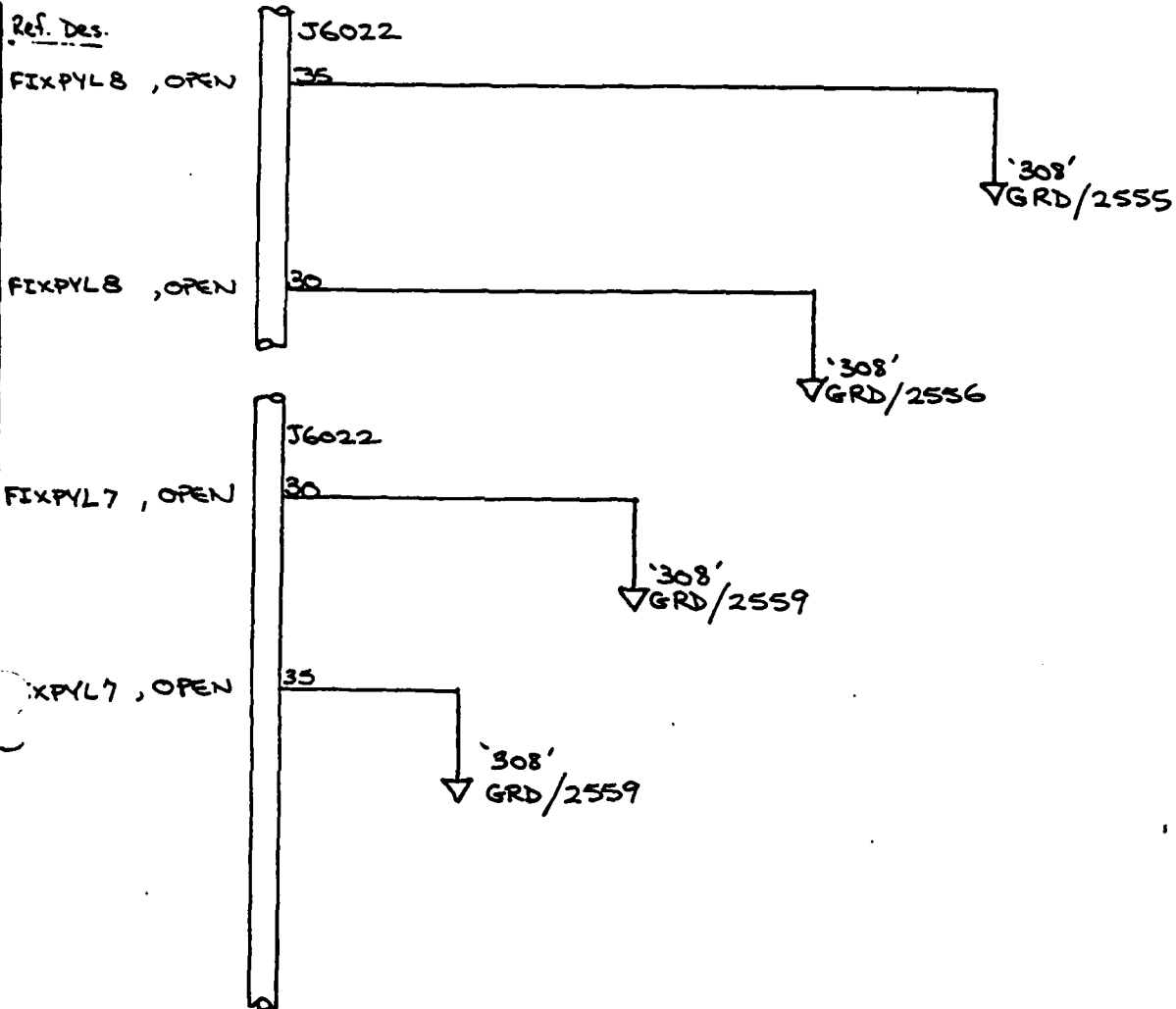
NL

1-4
a
b



END
DATE
FILMED
0-8
DTIC

SNEAK CIRCUITS NETWORK TREE

REV 

NO X REFERENCES

PROJECT

FB-111A

TITLE

GRDS TO FIXPYL 7 & 8

QC

H. Hall

DATE

9/30/75

ANALYST

M. Barnett

DATE

9/22/75

NODAL SET

465-468

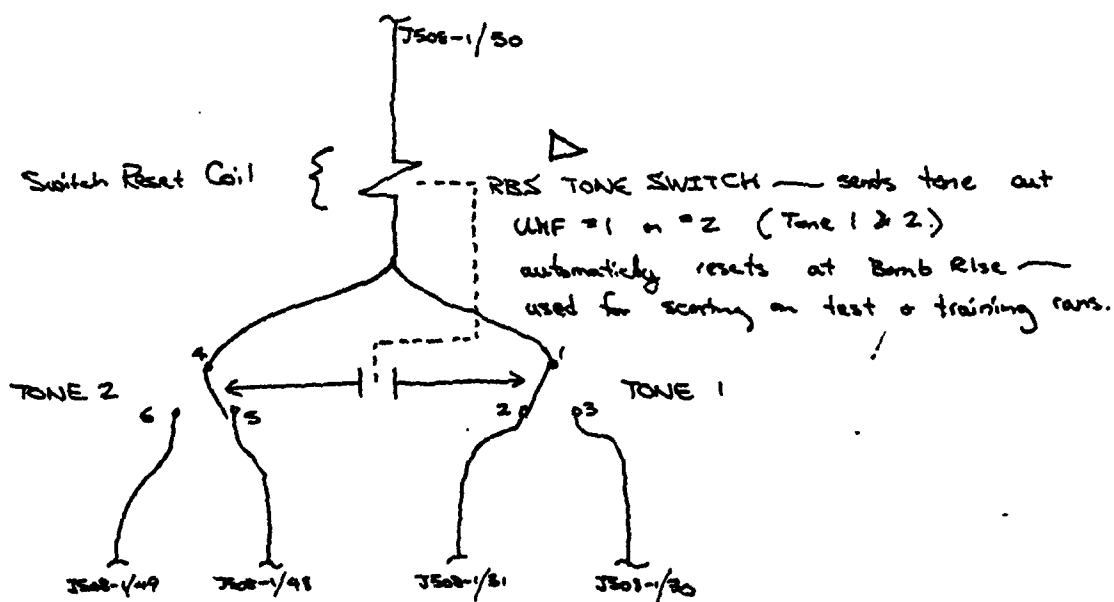
HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-284

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



All ref des : 403A1

No Cross References

▷ Not used in Nuclear Gravity Bomb circuitry

PROJECT

FB-111A

TITLE

RBS TONE SWITCH

QC

H. Holt

DATE

9/30/75

ANALYST

M. Barnett

DATE

9/25/75

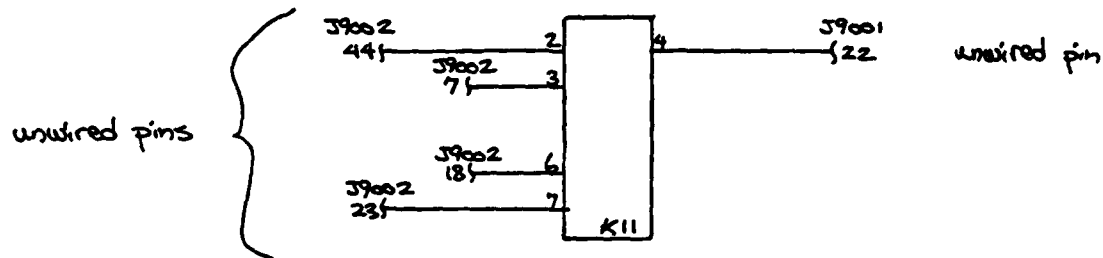
NODAL SET UNUSED DATA

HOU-203

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-285

SNEAK CIRCUITS NETWORK TREE

REV



K11 exists as a wired socket with no relay installed.

This circuit is identical for SPU-L and SPU-R.

PROJECT

FB-111A

TITLE

SPU-L & SPU-R K11 Contacts

QC

H/1/1/1

DATE

9/30/75

ANALYST

M. Barnett

DATE

9/23/75

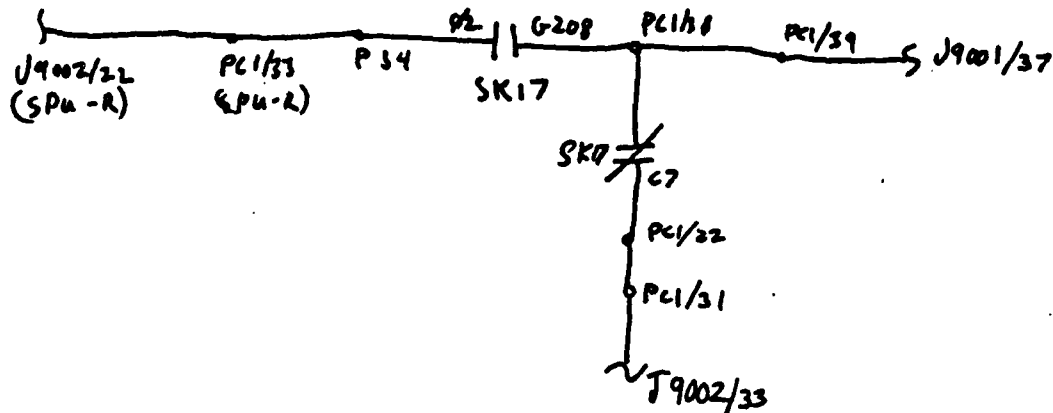
NODAL SET

UNUSED DATA

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



Ref Doc is SPU-R

No connecting wiring to these wires

PROJECT

FBIII-A

TITLE

SPU-R Unused Data

QC

H. H. H.

DATE

10/2/75

ANALYST

J. Verge

DATE

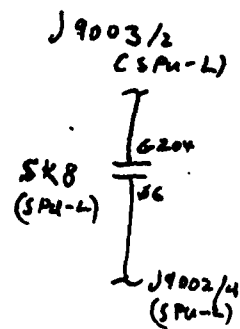
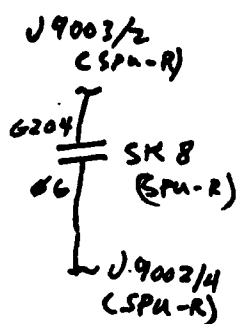
9-26-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



SRAAM Wiring - not analyzed

PROJECT

FBIII-A

TITLE

SPU-R Unused Data

QC

H. H. H.

DATE

10/2/75

ANALYST

J. Verge

DATE

9-26-75

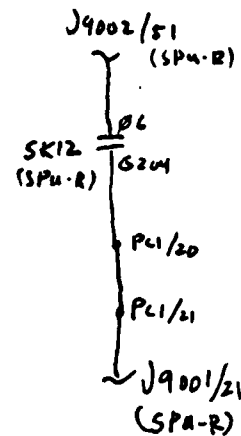
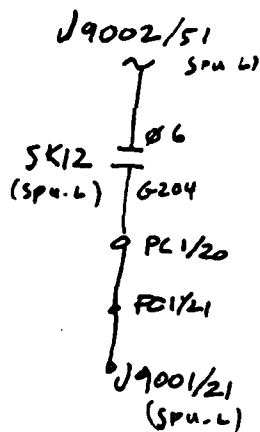
NODAL SET

Unused Data

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FB III-A

TITLE

Unused Data

QC

H Holt

DATE

10/2/75

ANALYST

J. Verges

DATE

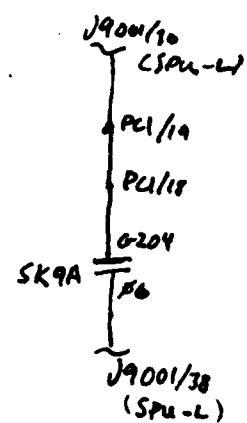
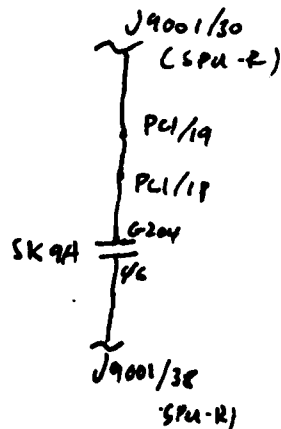
9-26-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FB III-A

TITLE

Unused Data

QC

H Holt

DATE

10/2/75

ANALYST

J. Verges

DATE

9-26-75

NODAL SET

Unused Data

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

J9002/26
(SPU-L)

PCI/41
(SPU-L)

J9002/26
(SPU-R)

PCI/41
(SPU-L)

No connecting wiring to these wire segments

PROJECT

FB III-A

TITLE

Unused Data

QC

Holt

DATE

10/2/75

ANALYST

J. Verges

DATE

9-29-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV

J9001/30
(SPU-3)

PCI/3

PCI/15

6204

SK12A
SPU-3

J9001/28
SPU-3

J9001/30
(SPU-4)

PCI/3

PCI/15

6204

SK12A
SPU-4

J9001/30
(SPU-4)

J9001/30
SPU-5

PCI/3

PCI/15

6204

SK12A
SPU-5

J9001/30
(SPU-5)

J9001/30
(SPU-6)

PCI/3

PCI/15

6204

SK12A
(SPU-6)

J9001/30
(SPU-6)

Unused switch contacts

PROJECT

FB III-A

TITLE

Unused Data

QC

Holt

DATE

10/2/75

ANALYST

J. Verges

DATE

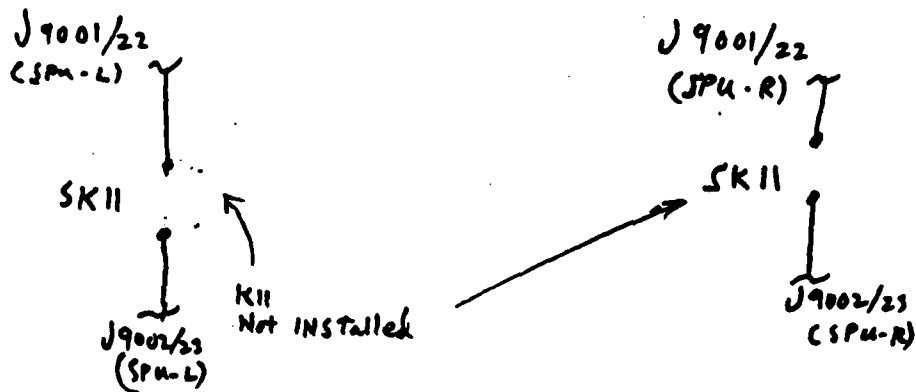
9-29-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FB111-A

TITLE

Unused Data

QC

H H H

DATE

10/2/75

ANALYST

J. Verges

DATE

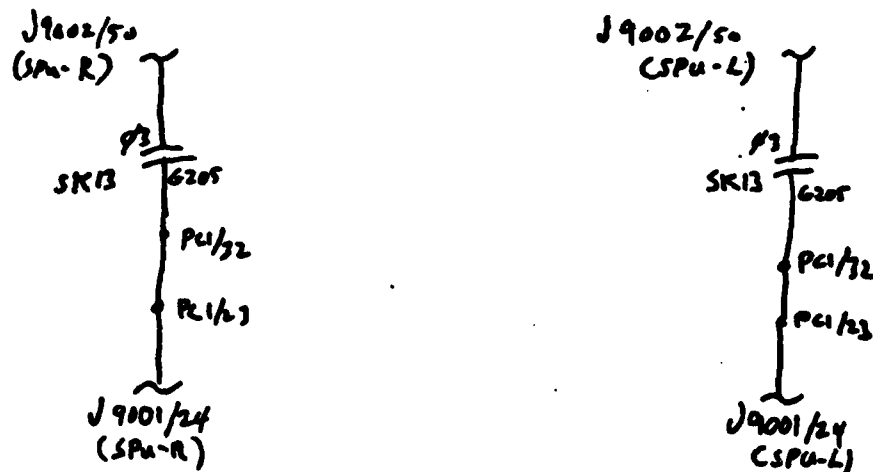
9-29-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FB111-A

TITLE

Unused Data

QC

H H H

DATE

10/2/75

ANALYST

J. Verges

DATE

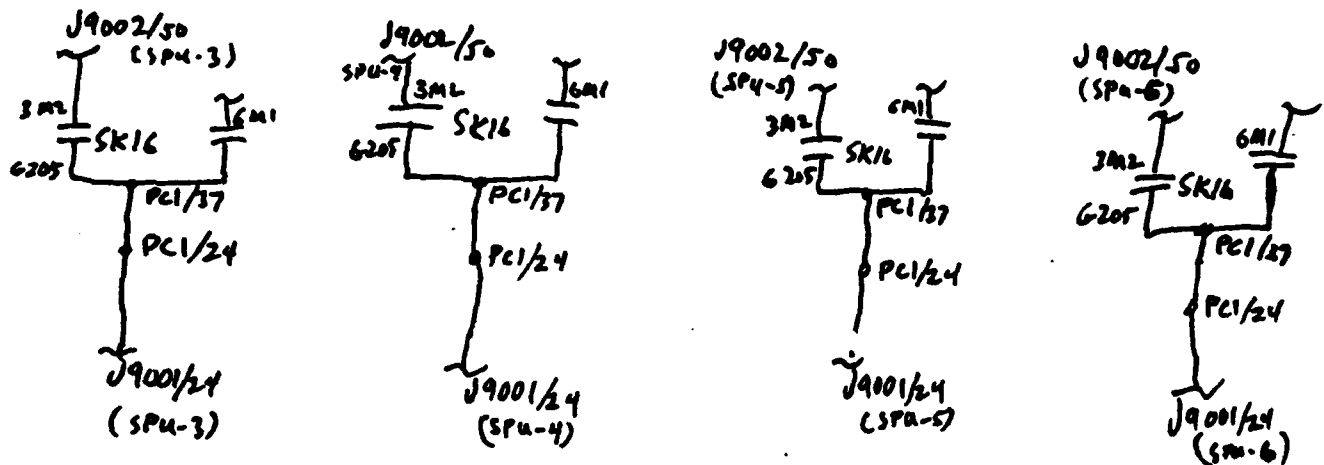
9-29-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FB111-A

TITLE

Unused Data

QC

H/H/H

DATE

10/2/75

ANALYST

J. Vergas

DATE

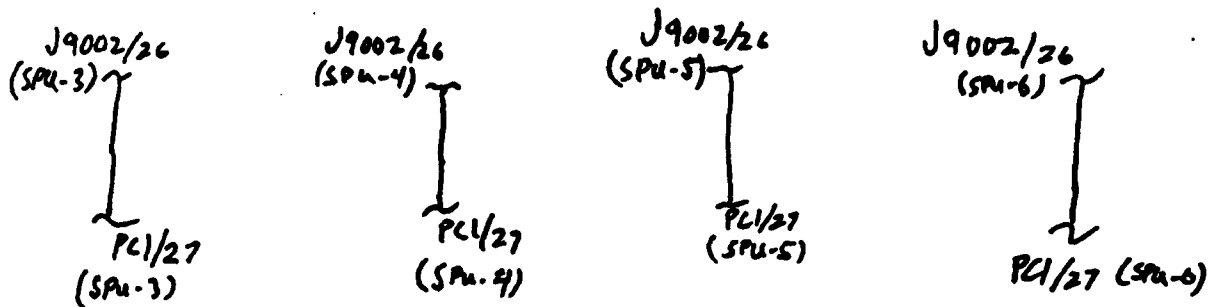
9-29-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FB111-A

TITLE

Unused Data

QC

H/H/H

DATE

10/6/75

ANALYST

J. Vergas

DATE

9-29-75

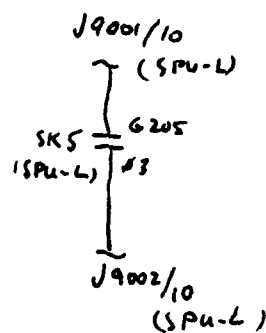
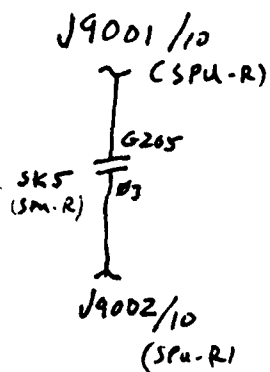
NODAL SET

Unused Data

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FBIII-A

TITLE

Unused Data

QC

DATE

H. Helt 10/2/75

ANALYST

DATE

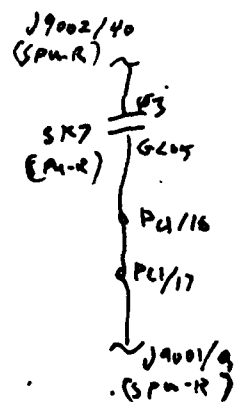
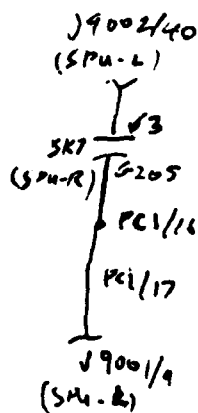
J. Verges 9-26-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



No connecting wiring to these wires

PROJECT

FBIII-A

TITLE

Unused Data

QC

DATE

H. Helt 10/2/75

ANALYST

DATE

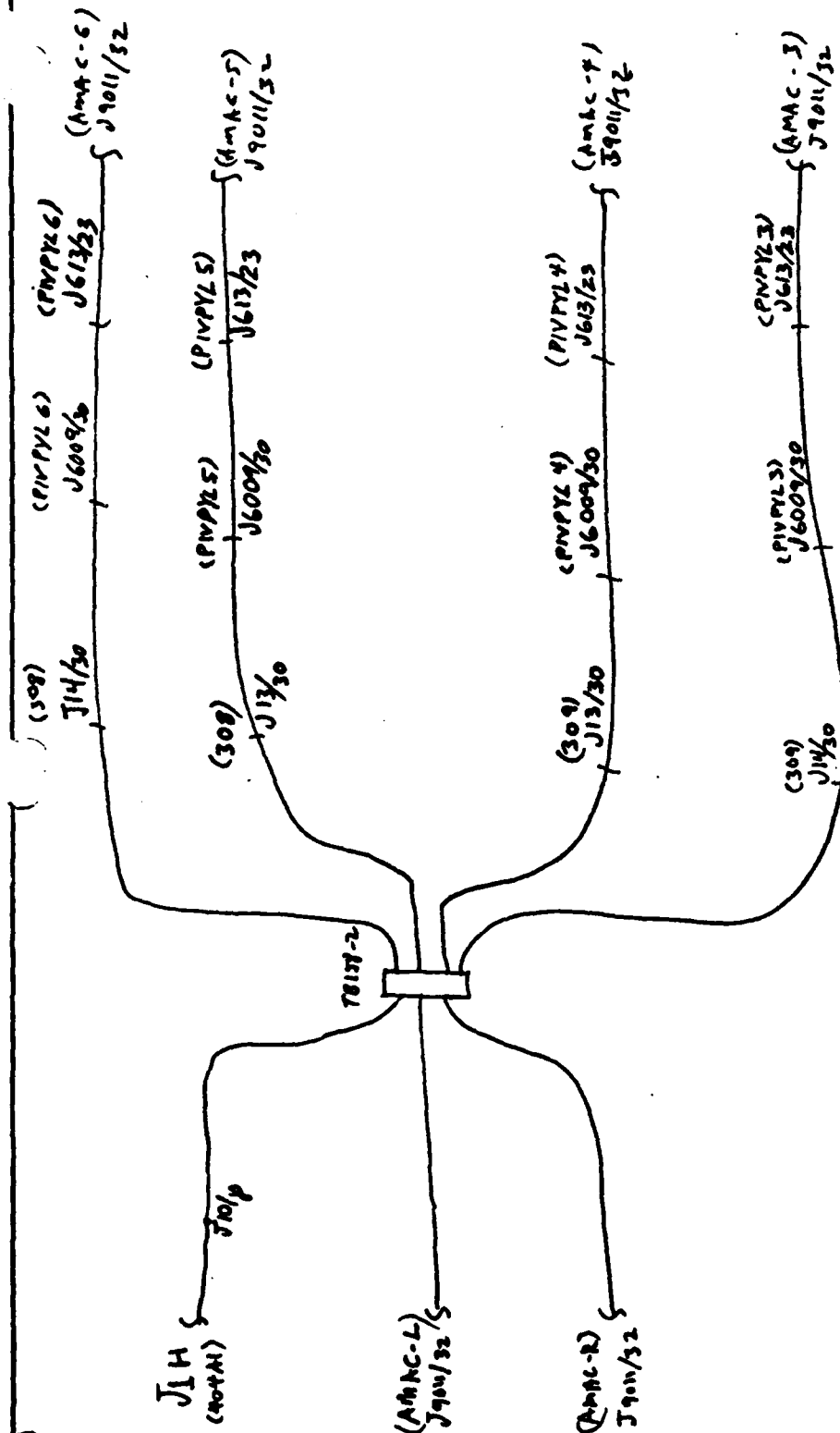
J. Verges 9-26-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV



This appears to be future capability wiring since it goes open end in oil of the AMACS and the Nuclear Weapons Panel (40401)

PROJECT FBIII-A		TITLE Tree from Unused Data	
QC H/16/14	DATE 9/30/75	ANALYST J. Verges	DATE 9-26-75
NODAL SET Unused Data			

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

PROJECT

TITLE

QC

DATE

ANALYST

DATE

NODAL SET

SNEAK CIRCUITS NETWORK TREE

REV

IRM Eject
(BRN 3A/A6)
J6061/38

(SPN-6)
J9002/1

(SPN-6)
NU9002/1

2M2
G-912
SK1
(SPN-6)

2M2

G-912

SK2

SK2

RM1

NU9001/28

J9001/28
(SPN-6)

(PIPPY 6)
J613/137

Aylen Disc.
J600-6/13
Not wired

This circuitry not used for nuclear weapons

PROJECT

TITLE

FB111-A

Tree from Unused Data

QC

DATE

ANALYST

DATE

NODAL SET

H. Holt

9/30/75

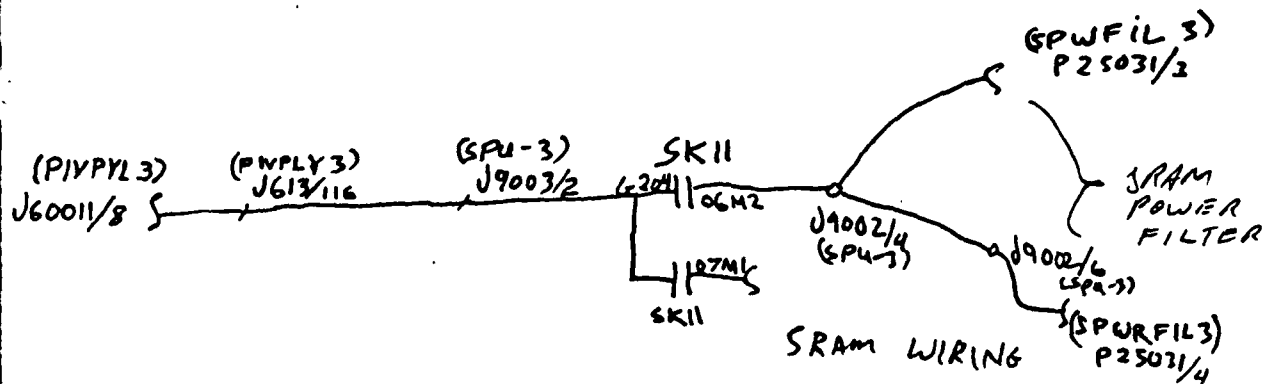
J. Verge

Unused Data

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



PROJECT

FB111-A

TITLE

SRAM Wiring

QC

H. H. H.

DATE

9/30/75

ANALYST

J. Vergas

DATE

9-26-75

NODAL SET

Unused Data

SNEAK CIRCUITS NETWORK TREE

REV

PROJECT

FB111-A

TITLE

QC

DATE

ANALYST

J. Vergas

DATE

9-26-75

NODAL SET

Unused Data