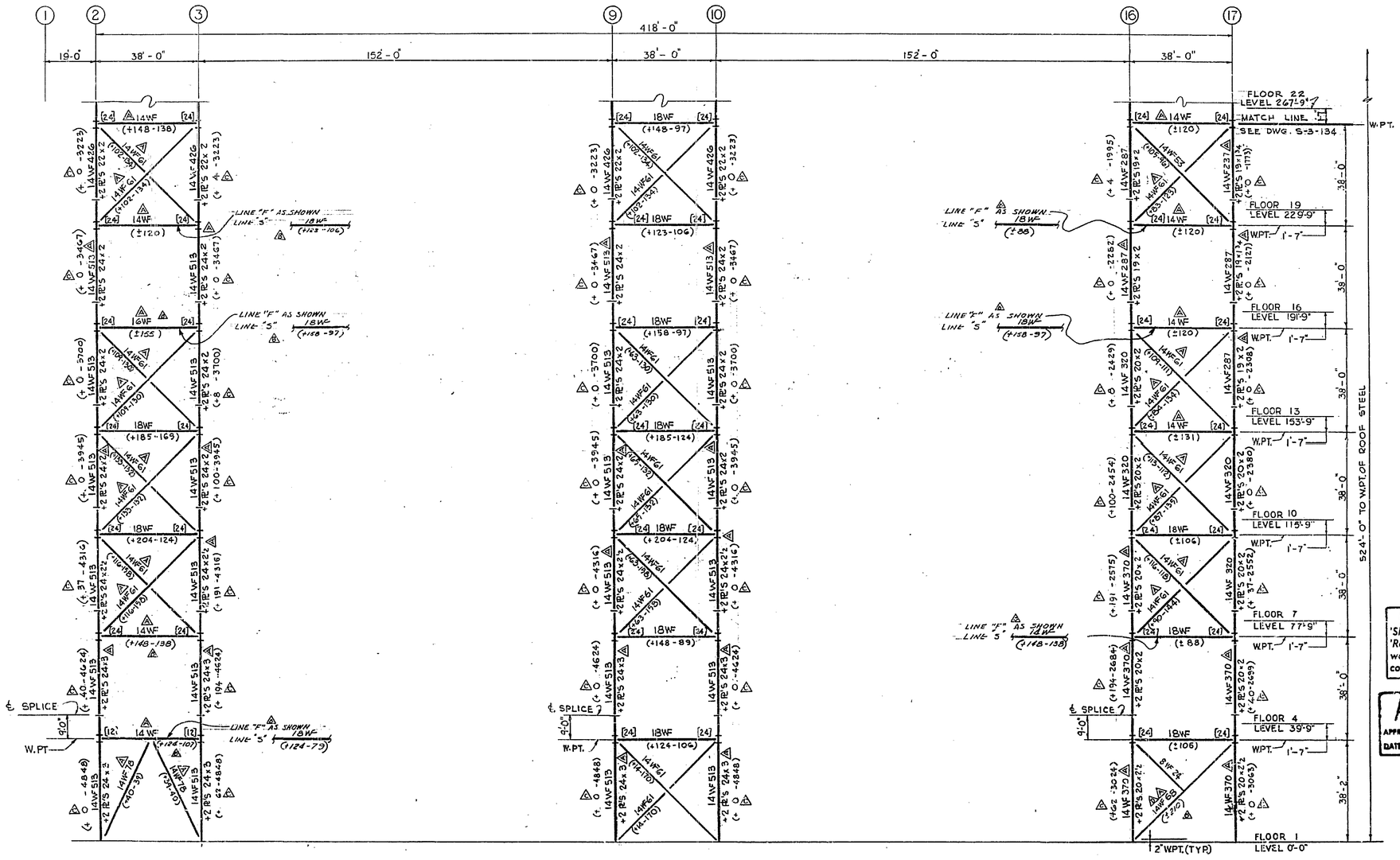
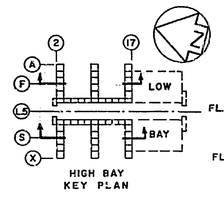
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
53	△		GENERAL REVS. TO ACCOMP. AMEND. NO. 7	2/12/63	JAM
10	△		REVISIONS TO STRUCTURES CONFORM TO ACCOMP. MOD. TO CONTRACT NAS 9-8	6/6/63	JBH
42	△		REVISED COLUMN SPLICE PIECES TO ACCOMP. MOD. TO CONTR. NAS 9-8	7/16/63	JBH
1	△		REVISED SIZE OF FRAMING MEMBER	9/13/63	JBH
	△		AS BUILT	11/15/67	
	△	F	REVISED FOR F.R.D. INDEX	2 DEC 67	

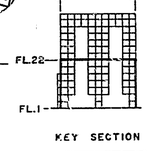


NOTES
COL SPLICE LOCATED 9'-0" ABOVE W.PT. AT ALL COLS., EXCEPT WHERE NOTED OTHERWISE.

FRAMING ON COL. LINES (S) & (F)
1/16" = 1'-0"
FLOOR 1 TO 22



HIGH BAY KEY PLAN



KEY SECTION

GRAPHIC SCALE
8 0 8 16 24 32 40
1/16" = 1'-0"

RECORD DRAWING NOTE
'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.

AS BUILT
APPROVED BY
DATE 1 DEC 1967

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER

URBAHN-ROBERTS-SEELYE-MORAN
642 FIFTH AVENUE
NEW YORK 19, NEW YORK

U.S. ARMY ENGINEER DISTRICT, JAX.
CORPS OF ENGINEERS
JACKSONVILLE, FLA.

NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.
LC 39 VERTICAL ASSEMBLY BUILDING
HIGH BAY AREA
STRUCTURAL FRAMING - COL. LINE S&F
FLOOR 1 TO 22 - LEVEL 0'-0" TO 267'-9"

DRAWN	TAPIAS	DWG. NO. ENG. (NASA) 08-123-63-41	SIZE F
Date by	Ckd by	DATED: MAY 1963	FILE NO. 203-28.297
SCALE: AS NOTED	SECTION NO. S-3-133	SHEET NO. 4-49	

A39.02.00.0ADS064.00

REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
	25		REVISIONS TO STRUCTURAL FRAMING TO ACCOM.	7/24/63	[illegible]
18	24		REVISED STRUCTURAL FRAMING TO ACCOM.	8/14/63	[illegible]
46	23		REVISED COLUMN SPLICE DETAILS TO ACCOMP.	9/18/63	[illegible]
3	22		CHANGED SPLICES COL. LINE 2	11/22/63	[illegible]
	E		REVISED FOR F.R.D. INDEX	1-1-64	[illegible]

COLS EXTENDING THROUGH ROOF-LEVEL 531'-3" (TYPICAL) SEE ROOF PLANS

418'-0"

38'-0" typ.

TOP OF ROOF, STEEL LEVEL 525'-3"

FLOOR 40 LEVEL 495'-9"

FLOOR 37 LEVEL 457'-9"

FLOOR 34 LEVEL 419'-9"

FLOOR 31 LEVEL 381'-9"

FLOOR 28 LEVEL 343'-9"

FLOOR 25 LEVEL 305'-4"

FLOOR 22 LEVEL 267'-9"

524'-0" TO FLOOR 1

250 TON CRANE GIRDER FOR DETAILS SEE DWG. NO. S-3-166

℄ SPLICE

W.PT.

LINE (F) - AS SHOWN
LINE (S) - 14WF (±138)

LINE (F) - AS SHOWN
LINE (S) - 18WF (+132-106)

LINE (F) - AS SHOWN
LINE (S) - 18WF (±88)

MATCH LINE - SEE DWG. S-3-133

NOTES

COL. SPLICE LOCATED 9'-0" ABOVE W.P.T. AT ALL COLS., EXCEPT WHERE NOTED OTHERWISE.

BUTT WELD SPLICE SEE DWG. NO. S-3-172

MOMENT SPLICE SEE DWG. NO. S-3-172

FRAMING ON COL. LINE (S) & (F)
1/16" = 1'-0"
FLOOR 22 TO ROOF

HIGH BAY KEY PLAN

KEY SECTION

GRAPHIC SCALE
8 0 8 16 24 32 40
1/16" = 1'-0"

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.
LC 39 VERTICAL ASSEMBLY BUILDING
HIGH BAY AREA
STRUCTURAL FRAMING - COL. LINE S & F
FLOOR 22 TO ROOF - LEVEL 267'-3" TO 325'-7"

FELLINI | TAPIA'S | DWG. NO.: ENG. (NASA)(28-123)-63-41 | SIZE F | FILE NO. 203-28.297
DRAWN BY | CHK'D BY | DATED: MAY 1963 | SCALE: AS NOTED | SECTION NO. 3-3-134 | SHEET NO. 4-50

ADD. 1 A02.00.01.0AD5065.00

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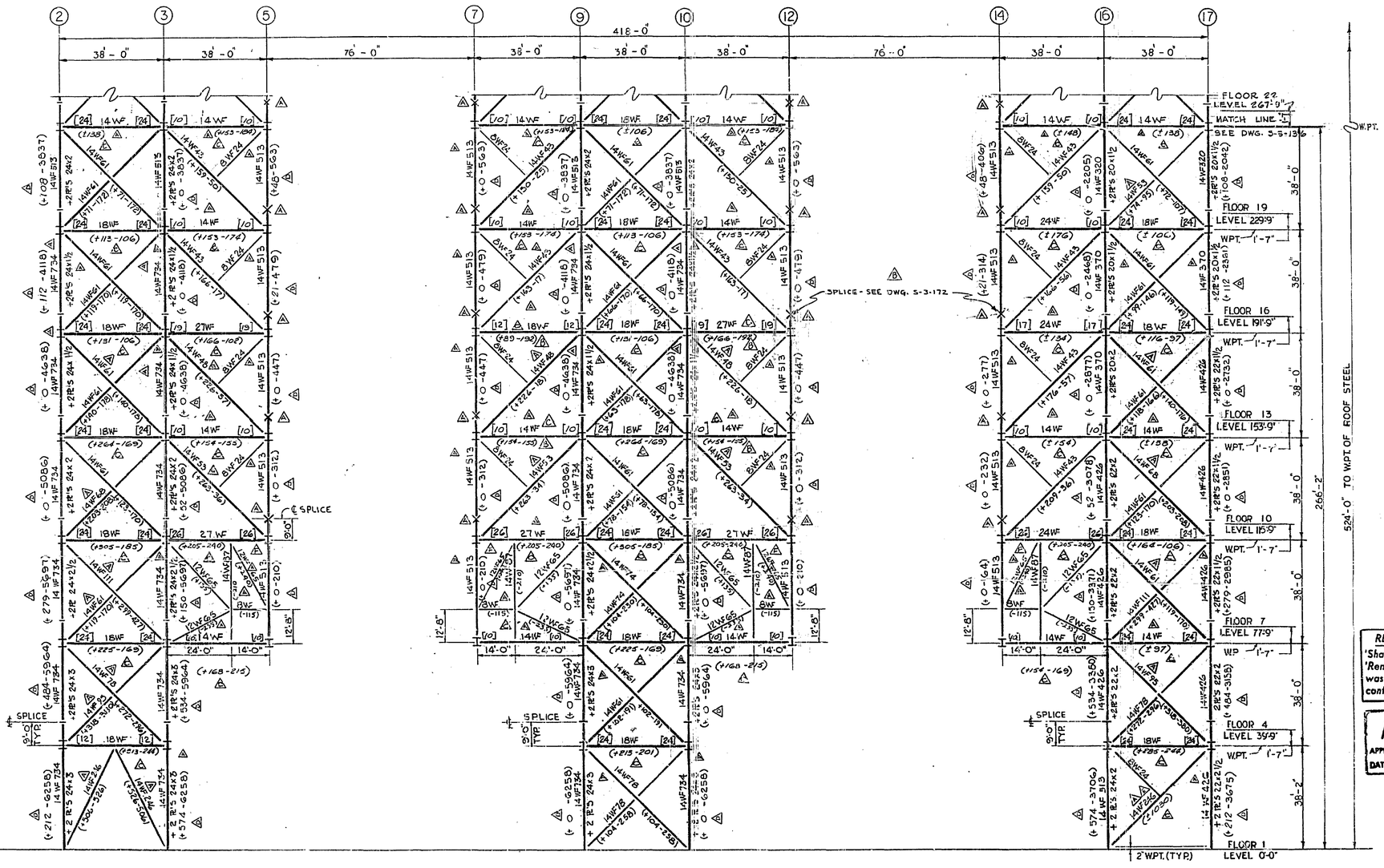
DOES NOT MEET REQUIRED QUALITY STANDARDS

REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
110	A		GENERAL REVS. TO ACCOMP. AMEND. NO. 7	6/20/63	JLK
5	B		REVISIONS TO STRUCTURAL FRAMING TO ACCOMP. MOD. TO CONTRACT NASA-B	7/26/63	[illegible]
46	C		REVISIONS TO STRUCTURAL FRAMING TO ACCOMP. MOD. TO CONTRACT NASA-B	8/9/63	[illegible]
62	A		REVISED COLUMN UPLIFT FORCES TO ACCOMPANY MOD. TO CONTRACT NASA-A	9/10/63	[illegible]
1	A		REVISED SIZE OF FRAMING MEMBER	10/31/63	[illegible]
4	A		ADDED FRAMING COL. LINE U	11/15/63	[illegible]
2	A		CHANGE DIAGONALS BETWEEN COL. 3 & 5	11/22/63	[illegible]
	A		AS BUILT	11/15/67	
	J		REVISED FOR FRD. INDEX	26-68	G.W.G.

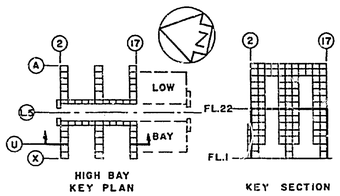


NOTE:
COLUMN SPLICE LOCATED 9'-0" ABOVE W.P.T. TYP. @ ALL COLS. EXCEPT WHERE NOTED OTHERWISE

FRAMING ON COL LINE (U)

1/16" = 1'-0"

FLOOR 1 TO 22



HIGH BAY KEY PLAN

KEY SECTION

GRAPHIC SCALE

8 0 8 16 24 32 40

1/16" = 1'-0"

RECORD DRAWING NOTE
'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.

AS BUILT
APPROVED BY [signature]
DATE 12 DEC 1967

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

LC 39 VERTICAL ASSEMBLY BUILDING
HIGH BAY AREA
STRUCTURAL FRAMING - COL. LINE U
FLOOR 1 TO 22 - LEVEL 0'-0" TO 267'-9"

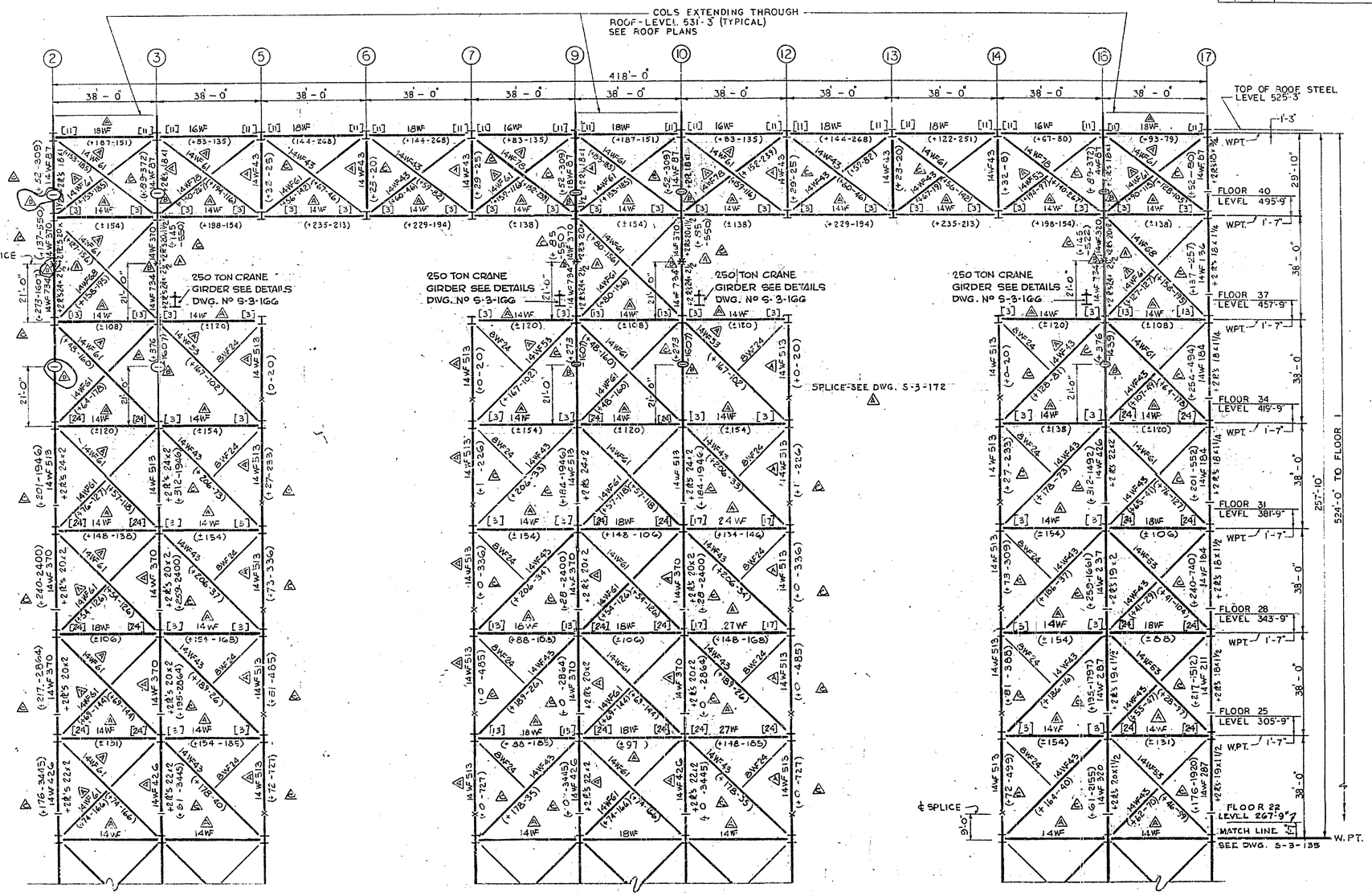
INV. NO. ENG. (NASA) 08-123-63-41
DATED: MAY 1963
SIZE F
FILE NO. 203-28,297
SCALE: AS NOTED
SECTION NO. S-3-135
SHEET NO. 4-51

FELLINI Dwn by
TAPIAS Ckd by

10 JUN 63

A39.02.00.0ADS066.00

REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
102	△		REVISIONS TO STRUCTURAL FRAMING TO ACCOMP. MOD. TO CONTR. NASA-8	7/24/63	[illegible]
13	△		REVISIONS TO STRUCTURAL FRAMING TO ACCOMP MOD TO CONTR. NASA-8	9/11/63	[illegible]
64	△		REVISED COLUMN UPLIFT FORCES TO ACCOMP. MOD. TO CONTRACT NASA-8	9/26/63	[illegible]
3	△		CHANGED SPLICES COL LINE 2	1/22/63	[illegible]
E			REVISED FOR F.R.D. INDEX	1/6/67	[illegible]



NOTE:
COL. SPLICE LOCATED 9'-0" ABOVE W.PT. TYP. @ ALL COLS. EXCEPT WHERE NOTED OTHERWISE.

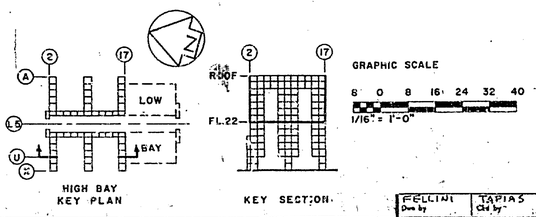
BUTT WELD SPLICE SEE DWG No. S-3-172

MOMENT SPLICE SEE DWG. No. S-3-172

FRAMING ON COL. LINE (U)

1/16" = 1'-0"

FLOOR 22 TO ROOF



HIGH BAY KEY PLAN

KEY SECTION

GRAPHIC SCALE

8 0 8 16 24 32 40

1/16" = 1'-0"

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LAUNCH OPERATIONS CENTER

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NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.

LC 39 VERTICAL ASSEMBLY BUILDING
HIGH BAY AREA
STRUCTURAL FRAMING - COL. LINE U
FLOOR 22 TO ROOF-LEVEL 267'-9" TO 525'-7"

INV. NO. ENG. (NASA) 08-123-63, 01	SIZE	FILE NO.
DATED: MAY 1963	F	203-28, 297
SCALE: AS NOTED	SECTION NO. S-3-136	SHEET NO. 4-52

FELLINI Dwn by | TAPIAS Ckd by

A02.00.01.0ADS067.00

17 JUNE 63

MICROFILMED FROM BEST AVAILABLE COPY:

REVISIONS				
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
	A		GENERAL REVISION TO GIRT FRAMING TO ACCOMP. MOD. TO CONTRACT NASA-8	7/26/63	JCWD
5	B		REVISIONS TO STRUCTURAL FRAMING TO ACCOMP. MOD TO CONTR. NASA-8	8/26/63	JCWD
7	C		DELETED NOTE 6 SPLICE DIM. & ADDED NOTES #3 & 4	11/4/63	JCWD
	D		AS BUILT	11/15/67	
	E		REVISED FOR FRD. WORK	12/6/67	J.W.W.

GIRT TRUSS TYPE "A" | GIRT TRUSS TYPE "B" | GIRT TRUSS TYPE "C" | GIRT TRUSS TYPE "B" | GIRT TRUSS TYPE "A"

△ GENERAL REVISION

A B D F H J K L5 N O Q S U W X

513'-0"

38'-0" | 38'-0" | 38'-0" | 38'-0" | 38'-0" | 19'-0" | 15'-10" | 15'-10" | 15'-10" | 15'-10" | 15'-10" | 19'-0" | 38'-0" | 38'-0" | 38'-0" | 38'-0" | 38'-0"

TYP FOR 58'-0" BAY: 6'-4", 12'-8", 12'-8", 6'-4"

9'-6", 9'-6", 7'-11", 7'-11", 7'-11", 7'-11", 7'-11", 7'-11", 7'-11", 7'-11", 7'-11", 9'-6", 9'-6"

GIRT TRUSS

4-E5.4 TYP FOR ALL BAYS

12WF31 | 12WF27 | 12WF27 | 12WF27 | 12WF31 | 8WF17 | 12WF40 | 12WF40 | 12WF40 | 12WF40 | 12WF40 | 12WF40 | 8WF17 | 12WF31 | 12WF27 | 12WF27 | 12WF27 | 12WF31

8WF17 | 8WF17 | 8WF17 | 8WF17

8WF17 | 8WF17 | 8WF17 | 8WF17

14 WF 176

10WF29 | 10WF25 | 10WF25 | 10WF25 | 10WF29

10WF25 | 10WF21 | 10WF21 | 10WF21 | 10WF25

LEVEL 266'-2" WPT & & GIRT TRUSS (TYP.) MATCH LINE

SEE DWG. S-3-144

LEVEL 228'-2"

LEVEL 190'-2"

LEVEL 152'-2"

LEVEL 114'-2"

LEVEL 76'-2"

LEVEL 38'-2"

LEVEL 0'-0"

6 @ 6'-4" = 38'-0"

266'-2" TO WPT OF ROOF STEEL

524'-0" TO WPT OF ROOF STEEL

38'-2"

19'-6" | 19'-0" | 19'-0"

2'-6"

8WF17 | 2'-3" | 4'-0" | 2'-3" | 2'-11" | 3'-11" | 4'-0"

13/16 Φ HOLES FOR 3/4" Φ ANCH. BOLTS

B

RECORD DRAWING NOTE

'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.

TRUSS DIAGONAL BRACING FROM LEVEL 0'-0" TO LEVEL 266'-2" = L 3½ x 3 x ¼

TRUSS DIAGONAL BRACING FROM LEVEL 190'-2" TO LEVEL 266'-2" = 2 @ 3½ x 2½ x 5/16

TRUSS DIAGONAL BRACING FROM LEVEL 0'-0" TO LEVEL 266'-2" = L 3½ x 3 x ¼

GIRT FRAMING AT LINE (2)

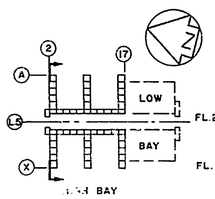
1/16" = 1'-0"

NOTES

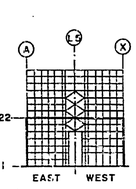
1. FOR GIRT TRUSS TYPES SEE DWG. NO. S-3-153
2. FOR GIRT FRAMING & DETAILS BETWEEN LINES. J & O NOT SHOWN SEE DWG. NO. S-3-088.
3. LINES A TO J AND O TO X - CONTINUOUS ; LINES J TO O SIMPLE
4. WHERE GIRTS ARE CALLED OUT TO BE CONTINUOUS, SPLICES SHALL BE LOCATED APPROXIMATELY AT THE SIXTH POINT OF THE SPANS. SPLICES SHALL BE DESIGNED FOR FORCES OF 8 KIPS SHEAR DUE TO WIND AND PLUS MINUS 15 KIPS AXIAL LOAD IN THE TRUSS CHORDS FOR 38' SPANS. FORCES FOR OTHER SPANS SHALL BE SCALED LINEARLY WHERE GIRTS ARE CALLED OUT TO BE SIMPLY SUPPORTED, CONNECTIONS SHALL BE MADE AT THE COLUMNS ACCORDING TO CONNECTION DETAILS SHOWN.

△C

AS BUILT
APPROVED BY: G.D. Hamlinson
DATE: 1 DEC 1967



1/16" BAY KEY PLAN



KEY SECTION

GRAPHIC SCALE
8 0 8 16 24 32 40
1/16" = 1'-0"

Drawn by KCC | Chkd by | Chkd by

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LAUNCH OPERATIONS CENTER

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U.S. ARMY ENGINEER DISTRICT, JAX. CORPS OF ENGINEERS, JACKSONVILLE, FLA.

NASA MERRITT ISLAND LAUNCH AREA
MERRITT ISLAND, FLA.
LC 39 VERTICAL ASSEMBLY BUILDING
HIGH BAY AREA
GIRT FRAMING - COL. LINE 2
FLOOR 1 TO 22 - LEVEL 0'-0" TO 267'-9"

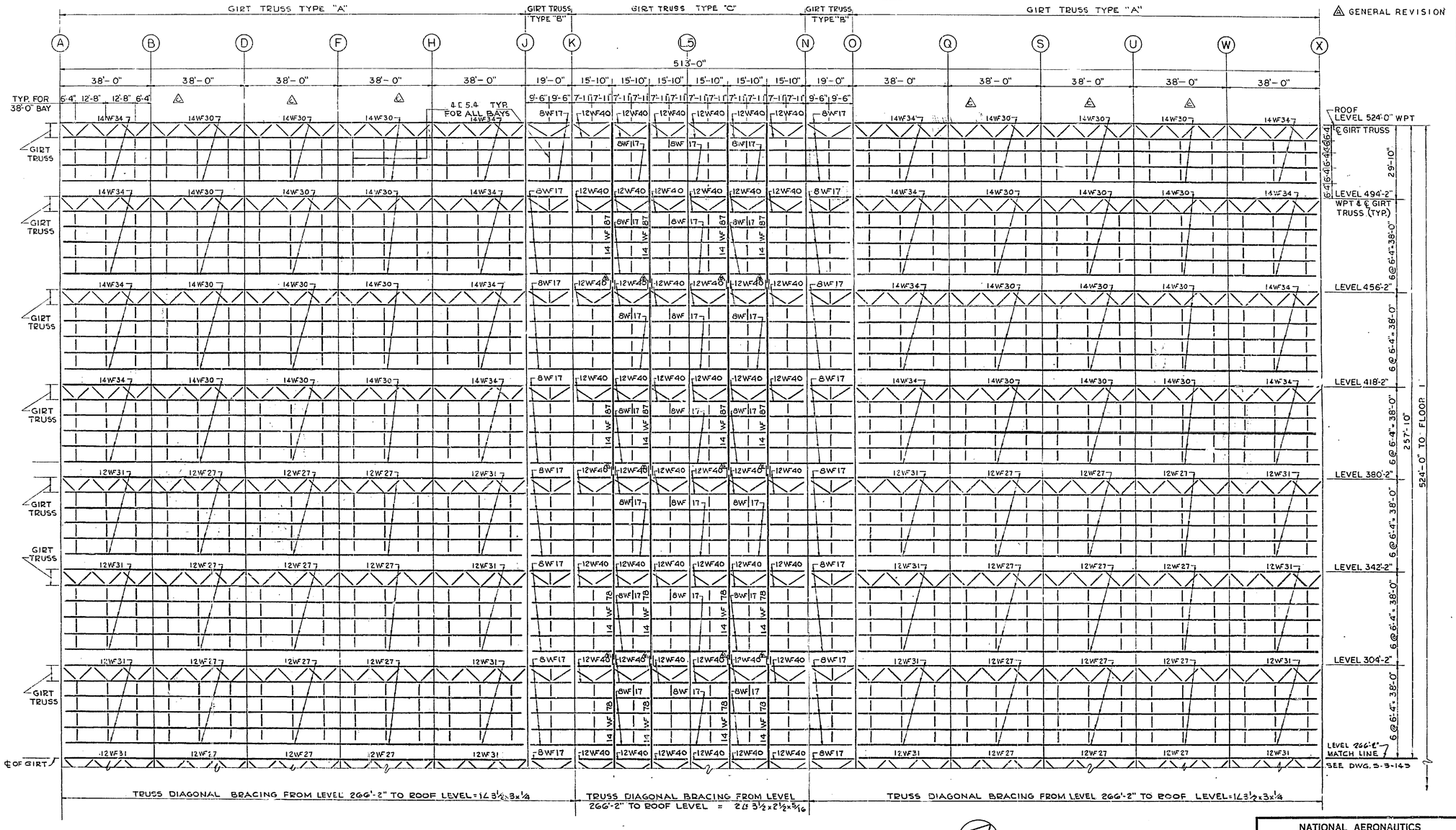
INV. NO. ENG. (NASA) 06-133-63-41		SIZE	FILE NO.
DATED: JAN. 1963		F	203-28.297
SCALE: AS NOTED	SECTION NO. S-3-143		SHEET NO. 4-19

1 A39.02.CO.OADS311.CO

REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
	A		GENERAL REVISION TO GIRT FRAMING TO ACCOMM. MOD. TO CONTRACT NASA-B	7/26/63	[illegible]
12	B		REVISION TO STRUCTURAL FRAMING TO ACCOMPANY MOD. TO CONTRACT NASA-B	9/26/63	[illegible]
7	C		DELETED SPLICE DIMENSIONS & ADDED NOTES #3 & 4	11/26/63	[illegible]
	D		AS BUILT	11/15/67	
	E		REVISED FOR F.R.D. INDEX	2648	[illegible]

RECORD DRAWING NOTE

'Shall be,' 'Provide,' 'Install,' 'Remove,' etc. indicates work was accomplished under the contract.



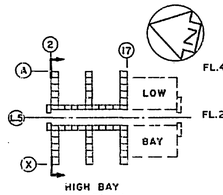
GIRT FRAMING AT LINE 2

1/16" = 1'-0"

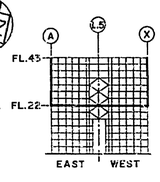
NOTES

1. FOR GIRT TRUSS TYPES SEE DWG. NO. S-3-153
2. ALL SPLICES OF GIRTS ARE TO BE MOMENT SPLICES
3. LINES 'A' TO 'J' AND 'O' TO 'X' - CONTINUOUS LINES 'J' TO 'O' - SIMPLE
4. WHERE GIRTS ARE CALLED OUT TO BE CONTINUOUS, SPLICES SHALL BE LOCATED APPROXIMATELY AT THE SIXTH POINT OF THE SPANS. SPLICES SHALL BE DESIGNED FOR FORCES OF 8 KIPS SHEAR DUE TO WIND AND PLUS MINUS 18 KIPS AXIAL LOAD IN THE TRUSS CHORDS FOR 38' SPANS. FORCES FOR OTHER SPANS SHALL BE SCALED LINEARLY. WHERE GIRTS ARE CALLED OUT TO BE SIMPLY SUPPORTED, CONNECTIONS SHALL BE MADE AT THE COLUMNS ACCORDING TO CONNECTION DETAILS SHOWN.

AS BUILT
APPROVED BY C. A. Lambinson
DATE 12 DEC 1967



HIGH BAY KEY PLAN



KEY SECTION

GRAPHIC SCALE
8 0 8 16 24 32 40
1/16" = 1'-0"

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LAUNCH OPERATIONS CENTER

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LC 39 VERTICAL ASSEMBLY BUILDING
HIGH BAY AREA
GIRT FRAMING - COL. LINE 2
FLOOR 22 TO ROOF - LEVEL 267'-9" TO 525'-7"

INV. NO. ENG. (NASA) 08-123-63-41		SIZE F	FILE NO. 203-28,297
DATED: MAY 1963			
SCALE: AS NOTED	SECTION NO. S-3-144		SHEET NO. 4-60

FERNANDEZ Dwn by | SHERMAN Ckd by

A39.02.00.0ADS312.00