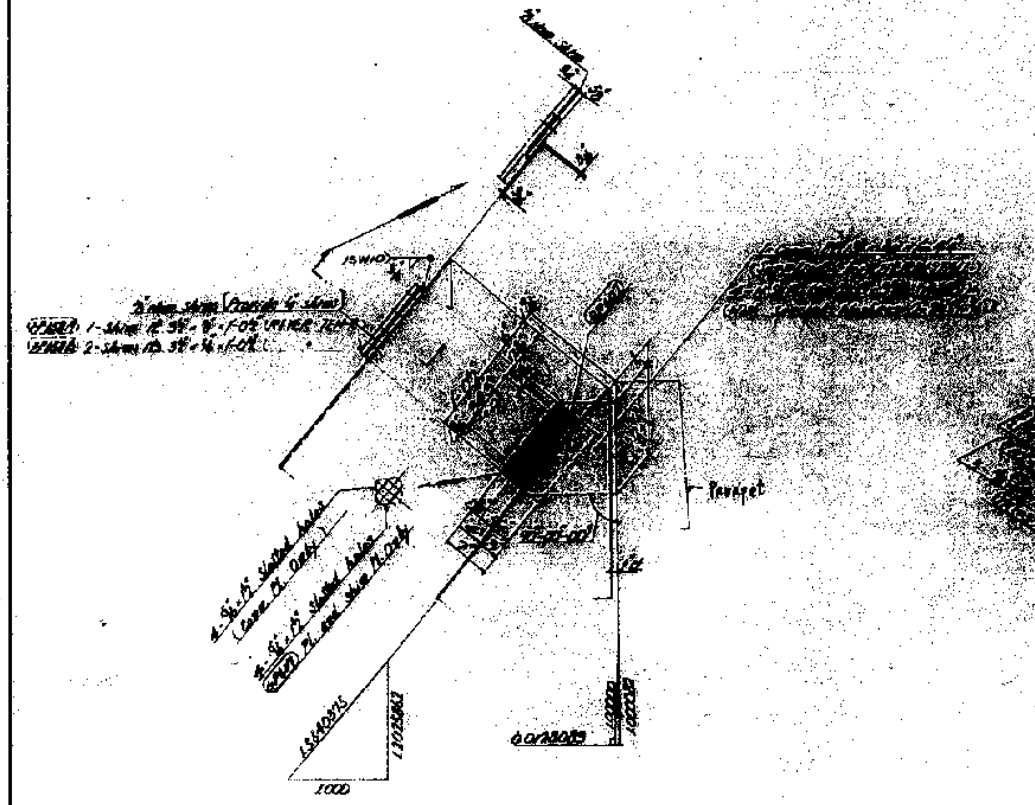
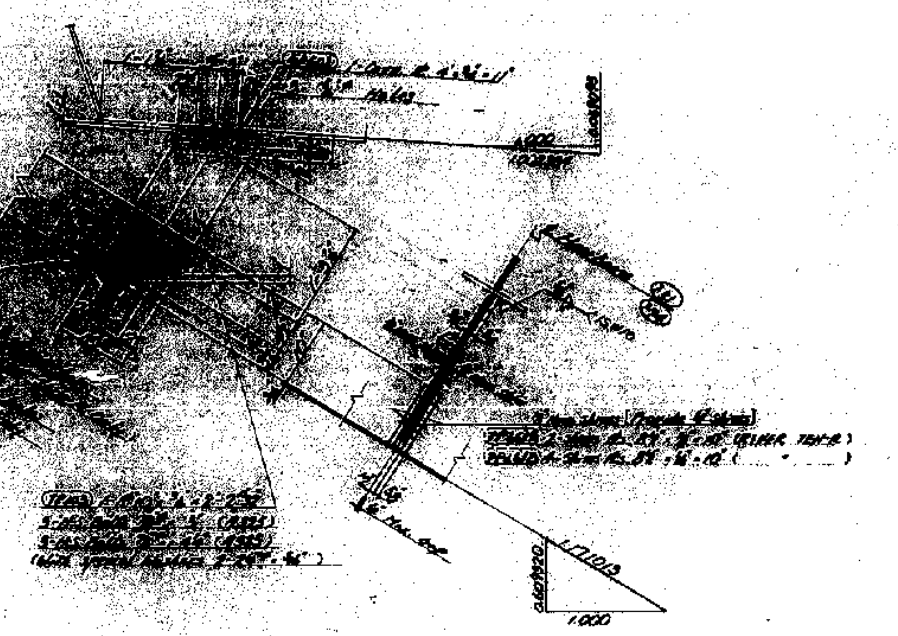
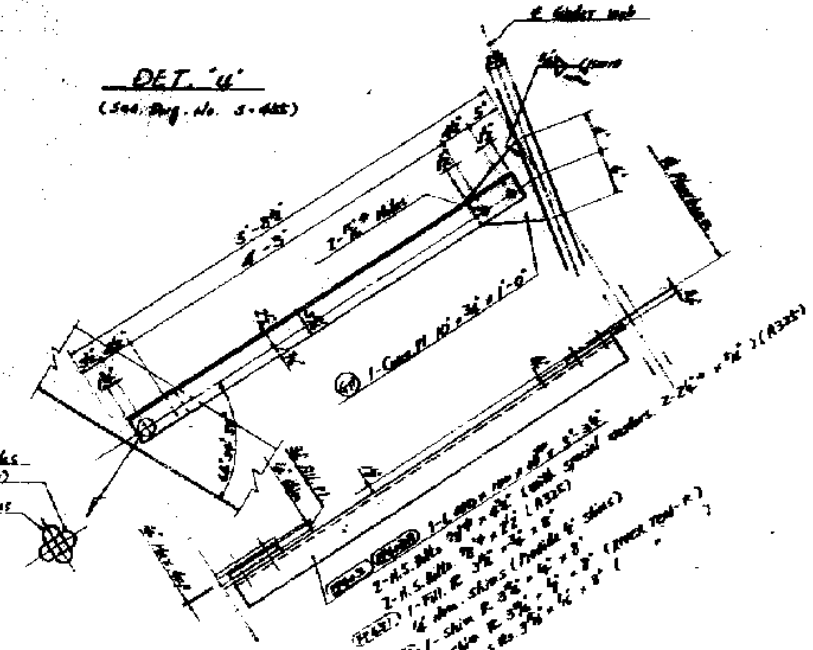
FAIRING PLATE SCALE: 1-1-0"
DETAILS OF CROSS SECTION



DET. "n"
(See Dwg. No. S-455)



DET. "o"
(See Dwg. No. S-459)



DET. "u"
(See Dwg. No. S-455)

NOTES:
1. For general notes, see Dwg. No. S-1.

FAIRING PLATE
BENT 71, 72, 73, 74, 75 & 76 (EB & WB)

FAIRING PLATE SCALE : ½ - 1' - 0"

Bill Shown | FB 32 | FB 47 | Symm. abt. ℄ Main Stmb.
FA 32 | FA 47 | Symm. abt. ℄ of Stringer

SEC. F - F

SEC. B - B See Dwg. No. S-138 & S-140

SEC. H - H

SEC. I - I

FB 32	FB 47
FA 32	FA 47

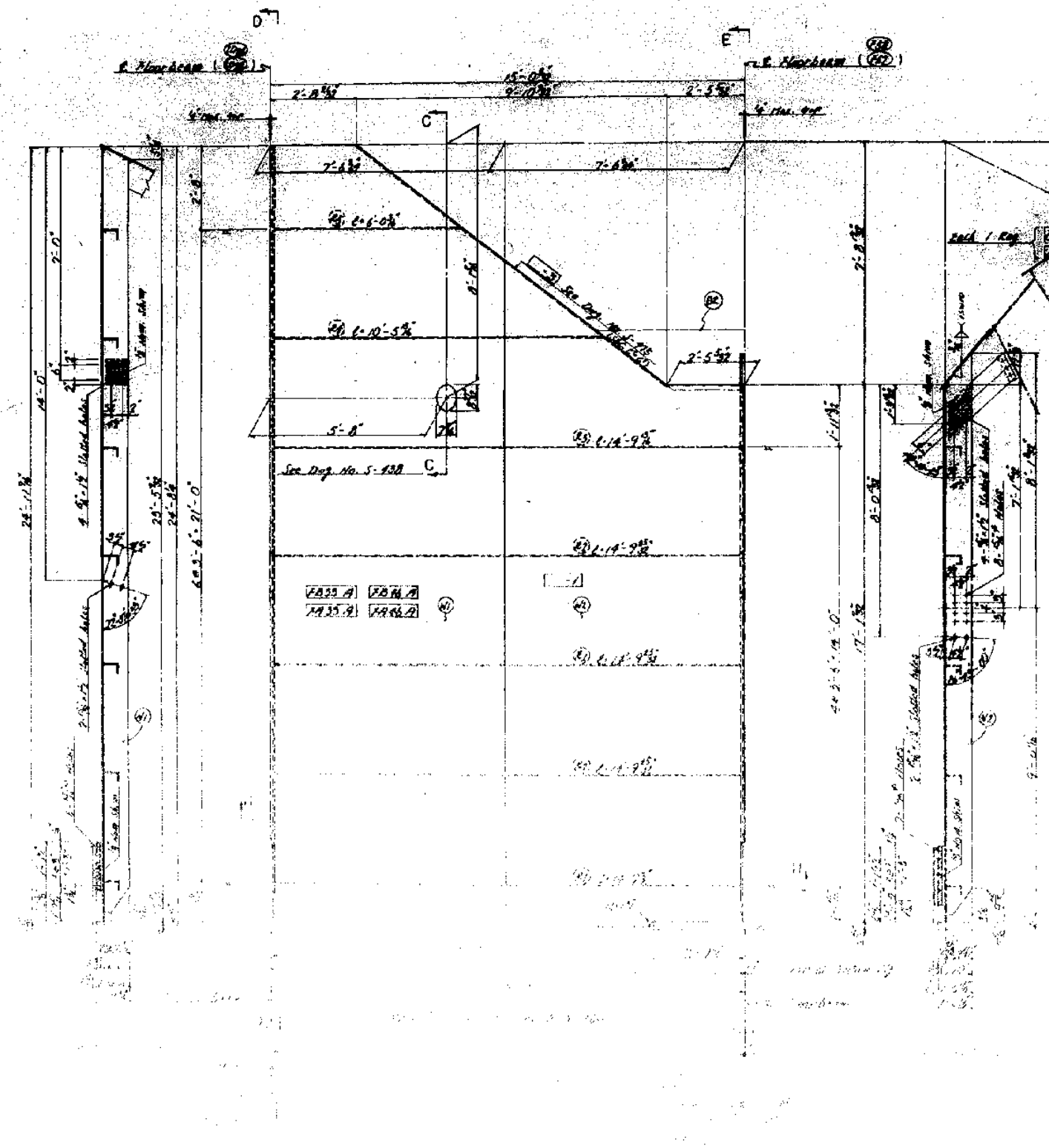
Each 2 Req.

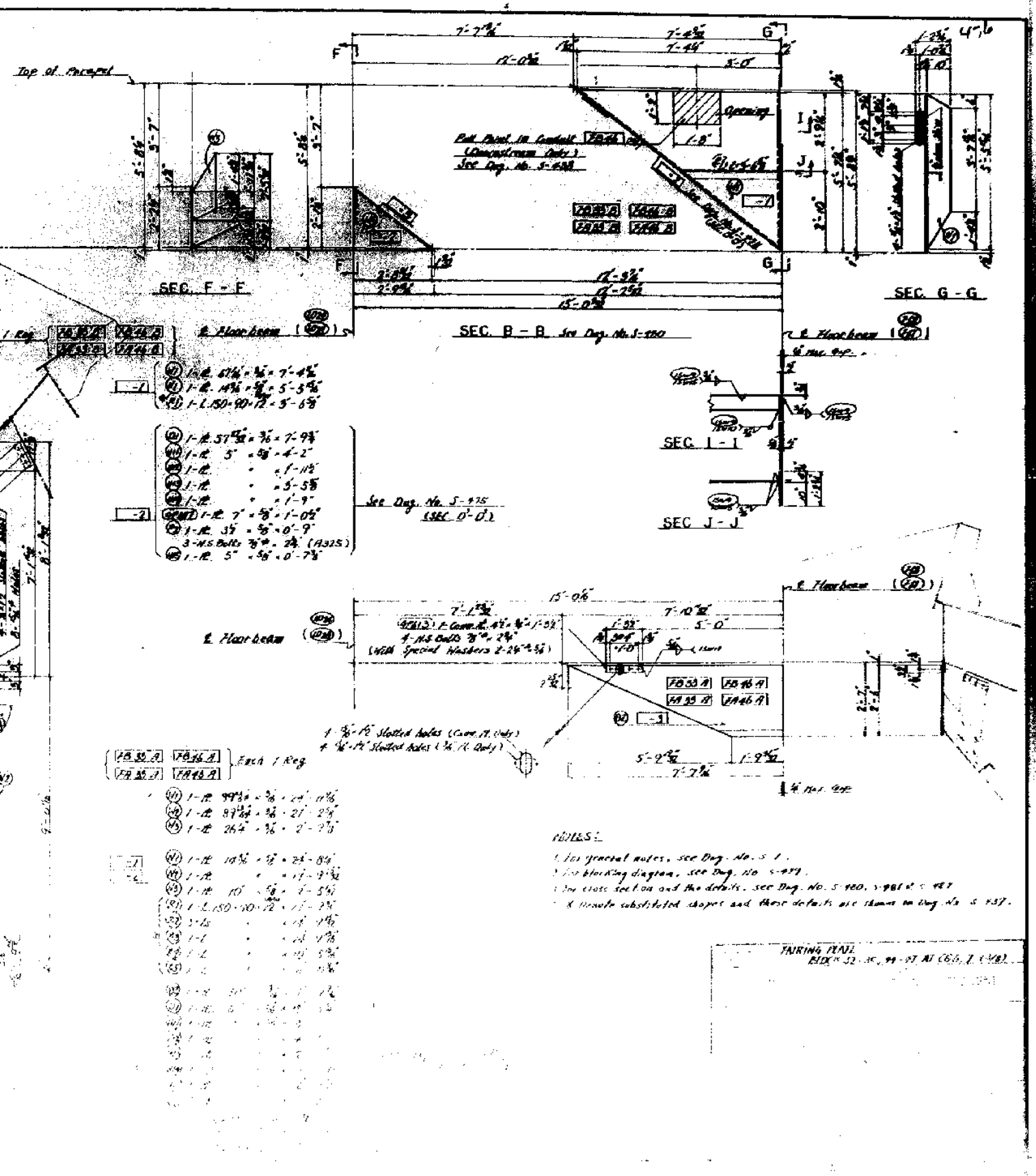
NOTES:
1. For general notes, see Dwg. No. S-1.
2. For blocking diagram, see Dwg. No. S-139.
3. For cross section and the details, see Dwg. No. S-130, S-131 & S-132.
4. ℣ Denote subdivided shapes and these details are shown on Dwg. No. S-137.

FAIRING PLATE
BLOCK 32-35, 39-42 AT CSA 3 (32)

FAIRING PLATE SCALE : 1/2" = 1'-0"

As Shown [FB 35] [FB 46] System 66K & Main Span
[FB 35] [FB 46] System 66K & 1-310 K.S. Bridge





NOTES:

1. For general notes, see Dwg. No. S-1.
2. For blocking diagram, see Dwg. No. S-939.
3. For cross section and the details, see Dwg. No. S-960, S-961 & S-967
4. Pinnate substituted shapes and these details are shown on Dwg. No. S-937.

FAIRING PLATE
BIDX 32-3C, 99-97 AI (66.7 (48)

FAIRING PLATE SCALE : 1/2 - 1' - 0"

As Shown F8.34 F8.45 System adj. B. Main Span
(F8.34 F8.45) System adj. B. I-310 # B. Bridge

SEC. X - X

SEC. Z - Z

SEC. Y - Y (TYP.)

SEC. F - F

SEC. B - B See Dwg. No. S-1804.5-1981

SEC. G - G

SEC. H - H

Top Of Parapet

B. Floor beam

6" Min. Gap

F8.34 C F8.45 C
F8.34 A F8.45 A
} Each 1 Req.

F8.34 B F8.45 B
F8.34 D F8.45 D
} Each 1 Req.

F8.34 E F8.35 C
F8.34 C F8.35 C
} Each 2 Req.

See Dwg. No. S-775 (SEC. O - O)

With Special Washers 2-2¾"-¾"

NOTES:-

1. For general notes, see Dwg. NO. S-1.
2. For blocking diagram, see Dwg. No. S-927
3. For cross section and the details, see Dwg No. S-1180.5-1981 & S-982
4. A Denotes substituted shapes and these details are shown on Dwg. No. S-937.

FAIRING PLATE
FILLER 32 - S. 44-97 AT CL66_2 (1/2)

FAIRING PLATE SCALE : 1/2 = 1'-0"

As shown FA 35 FA 44 Span adj. to Main Span
FA 35 FA 44 Span adj. to T-31 of E Bridge

SEC L-L

SEC F-F

SEC. B-B See Dwg. No. S-981

SEC. G-G

SEC. H-H

DET. "D"

FA 35 A FA 44 A } Each 1 Req.
FA 35 A FA 44 A

(W1) 1-WF 100 lbs. = 9⅛ = 13'-10"
(W2) 1-WF 85 5/16 = 9⅛ = 13'-10"
(W3) 1-WF 14⅜ = 9⅛ = 13'-4⅝"
(W4) 1-WF. " = 13'-6⅝"

(L1) 1-L 150×90×12 = 13'-1⅝"
(L2) 1-L. " = 14'-9⅞"
(L3) 1-L. " = 5'-5½"
(L4) 1-L. " = 14'-8⅝"
(L5) 1-L " = 13'-9⅝"
(W5) WF 2-No. 5 = 6
(SPL6A) 1-Spl. PL 7"×⅜"×12'-7½" } See Dwg. No. S-983 (SHT. "M")
(SPL6B) 1-Spl. PL 8½"×⅜"×1'-1"
8-H.S. Bolts 7/8"ø×4½" (A325)
64-H.S. Bolts 7/8"ø×2¼" (A325)
(SPL6AB) 1-Spl. PL 7"×⅜"×11'-10¾"
(SPL6S) 2-Spl. PL 8½"×⅜"×1'-1"
8-H.S. Bolts 7/8"ø×2¼" (A325)

FB 35 B FB 44 B } Each 1 Req.
FA 35 B FB 44 B

(W1) 1-WF 100 lbs. = 9⅛ = 13'-10"
(W2) 1-WF 85 5/16 = 9⅛ = 13'-10"
(W3) 1-WF 14⅜ = 9⅛ = 13'-4⅝"
(W4) 1-WF. " = 13'-6⅝"

NOTES

1. For general notes, see Dwg. No. S-1.
2. For blocking diagram, see Dwg. No. S 929.
3. For cross section and the details, see Dwg. No. S-981 & S 982.
4. X Denote substituted types and these details are shown on Dwg. No. S 977.

FAIRING PLATE
FOR R.C.D. 44 AT 45° SKEW (Rt.)

FAIRING PLATE SCALE : 1½ - 1' - 0"

CROSS SECTION C20, C30, C50, C67

DET. "a" See Dwg. No. S-452

DET. "b" See Dwg. No. S-452

DET. "c" See Dwg. No. S-452

DET. "d" See Dwg. No. S-452

DET. "e" See Dwg. No. S-452

DET. "f" See Dwg. No. S-452

DET. "h" See Dwg. No. S-454

DET. "m" See Dwg. No. S-452

DET. "j" See Dwg. No. S-454

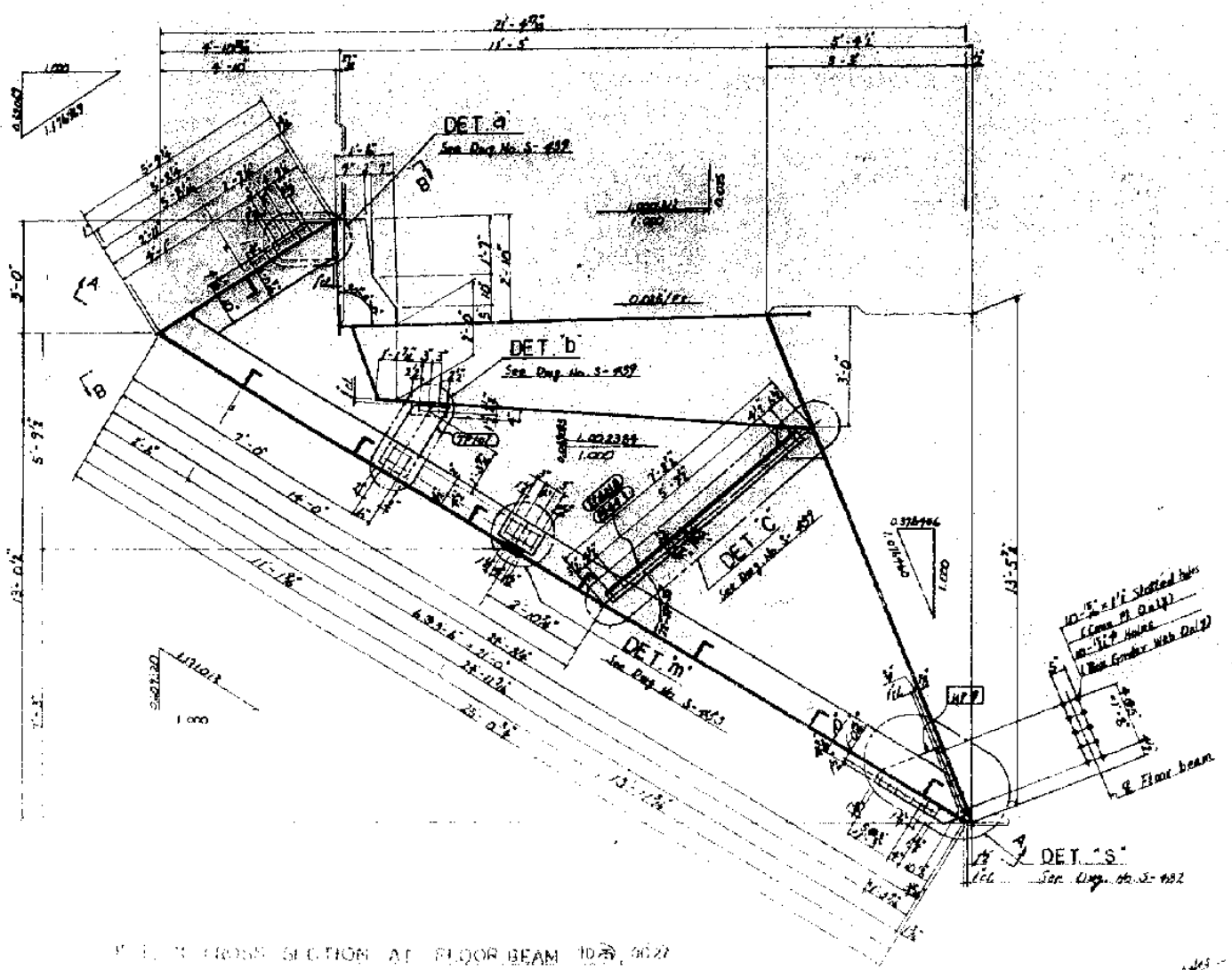
DET. OF CROSS SECTION AT FLOOR BEAM C50 C20

DET. OF CROSS SECTION AT FLOOR BEAM C58 C62

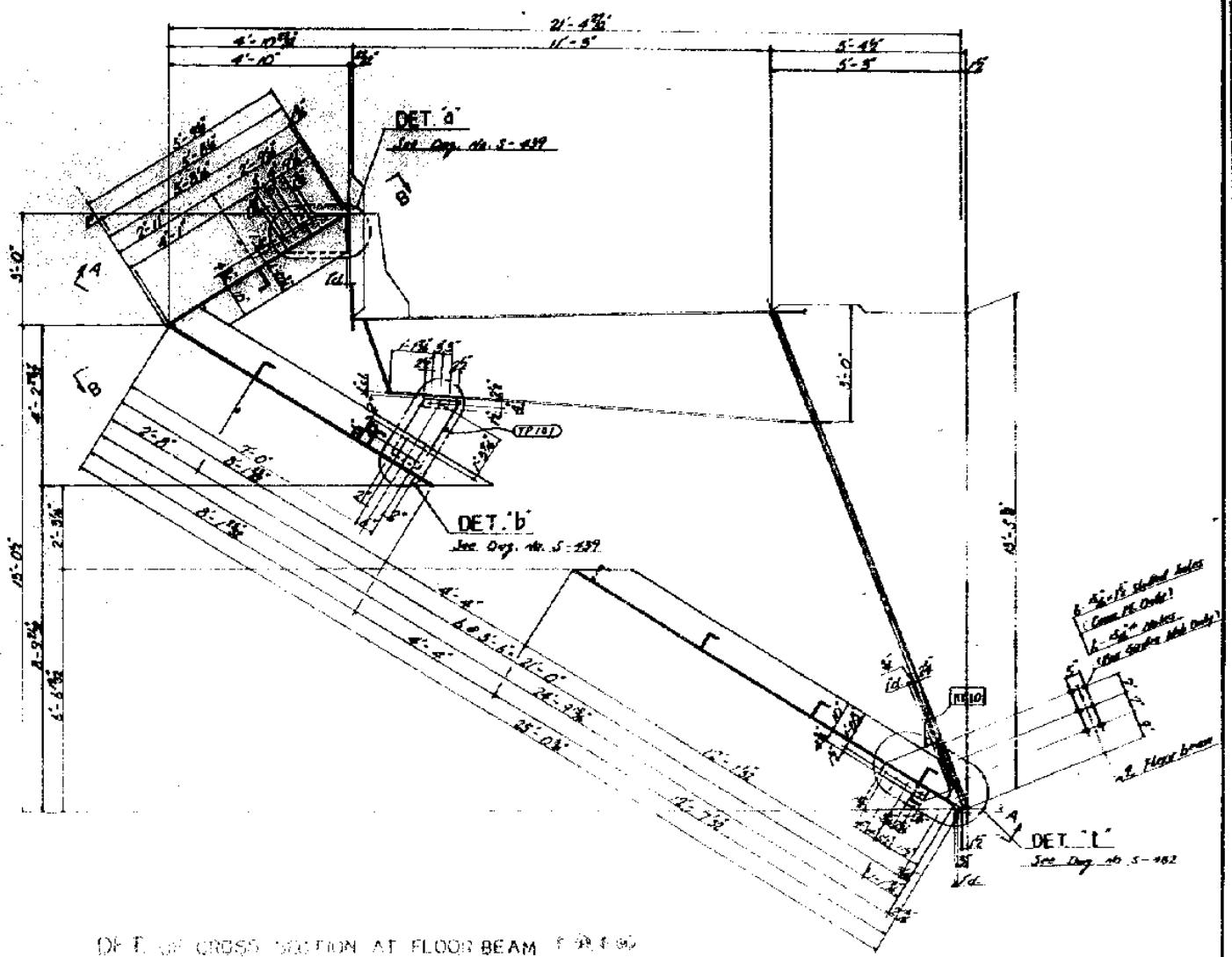
FAIRING PLATE
BLOCK 32 - 35, 39 AT ELEV. 1 (S.U.)

FAIRING PLATE SCALE : ½ - 1' - 0"

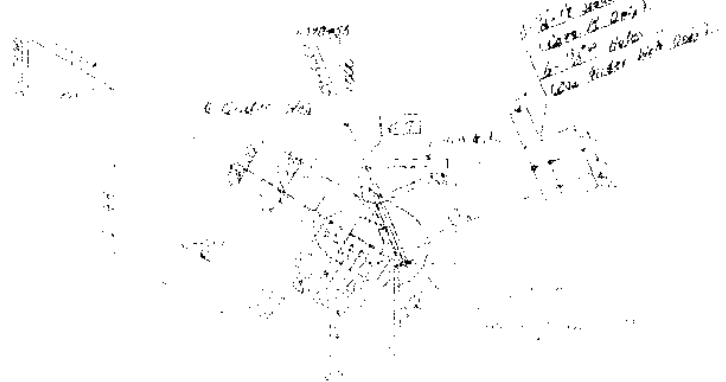
CROSS SECTION ⑫ ⑤ ⑧ ⑦ ⑤

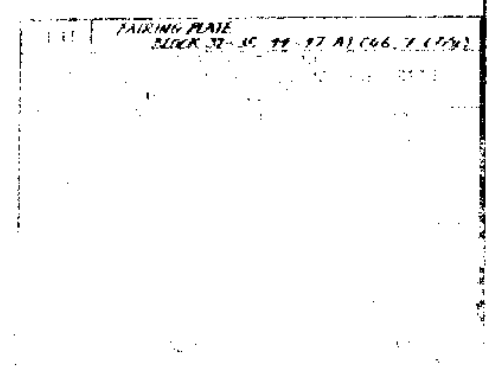


DET. 'S' CROSS SECTION AT FLOOR BEAM ⑫ ⑤ ⑧

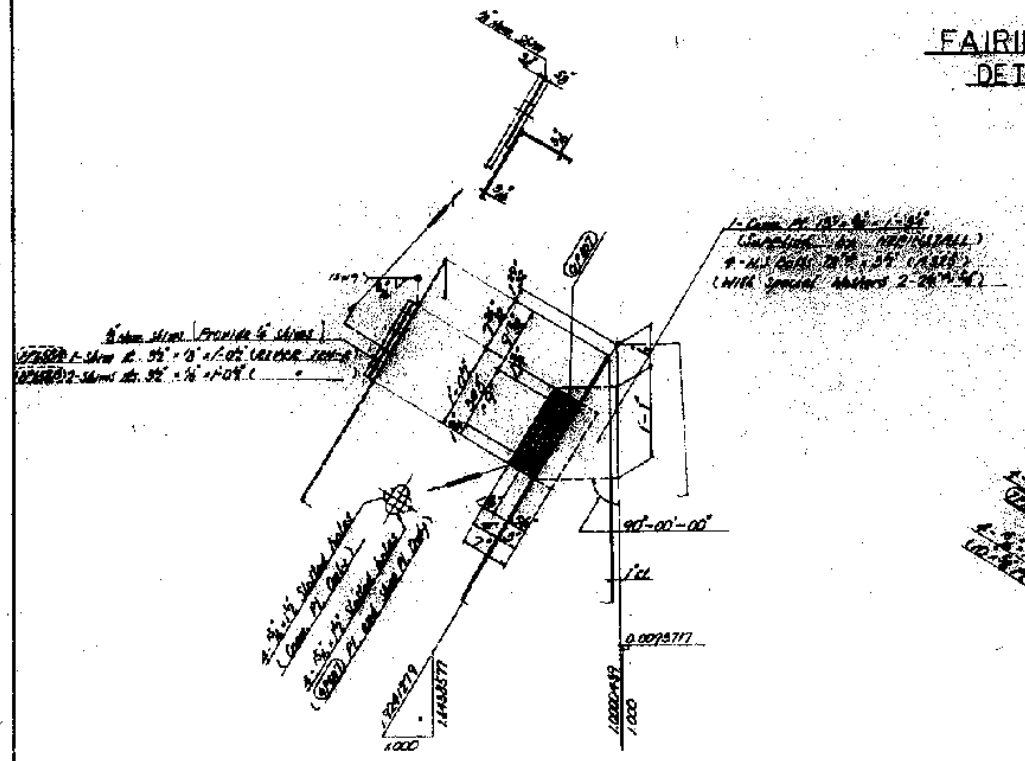


DET. 'L' CROSS SECTION AT FLOOR BEAM ⑦ ⑤ ⑧

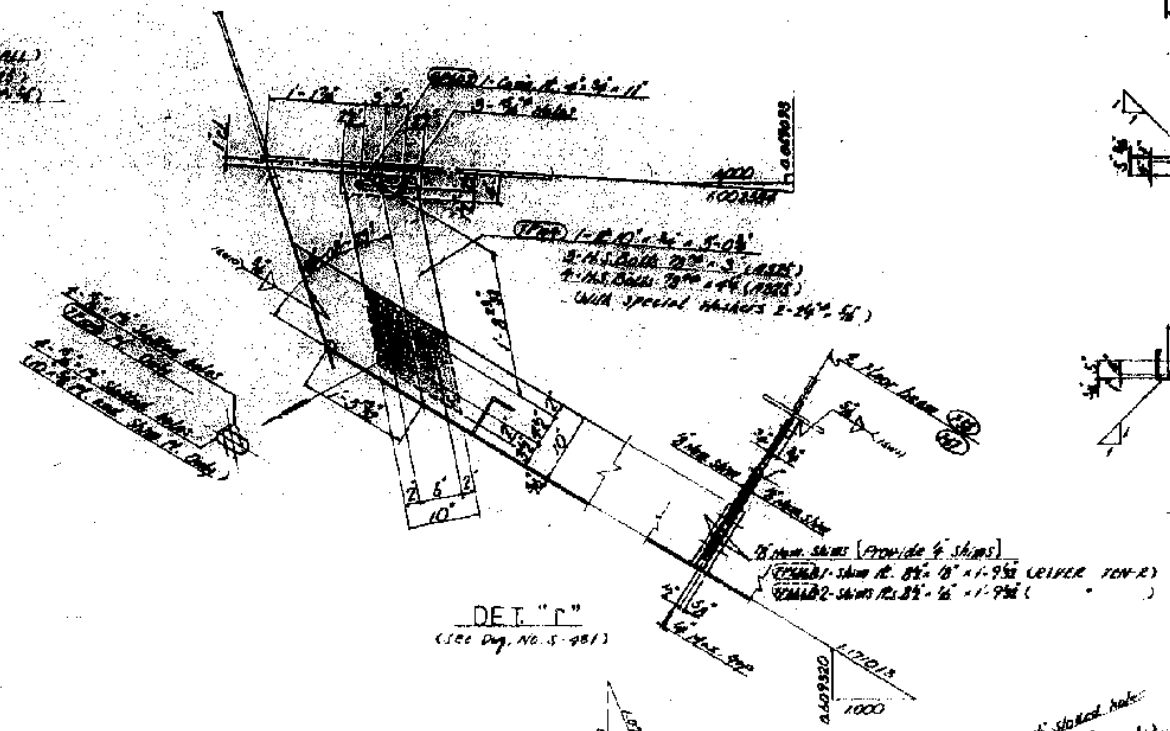




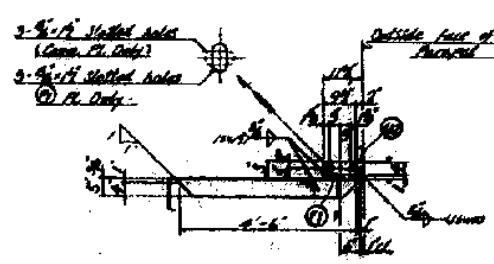
FAIRING PLATE SCALE : 1'-1' 0"
DETAILS OF CROSS SECTION



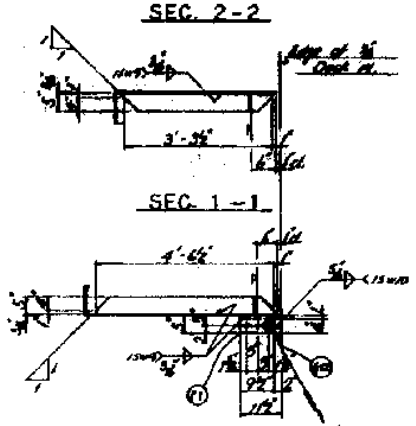
DET. "q"
(See Dwg. No. S-475)



DET. "r"
(See Dwg. No. S-481)

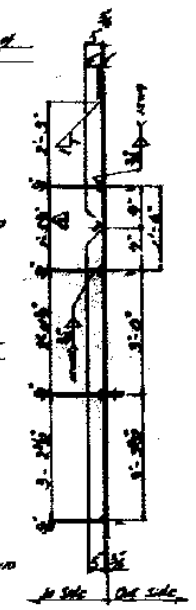


SEC. 2-2

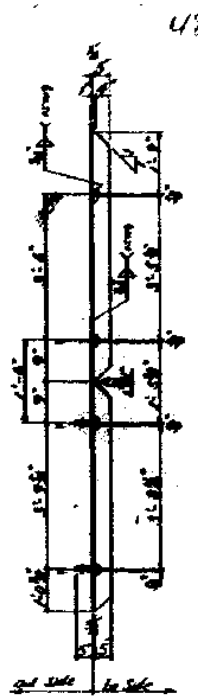


SEC. 1-1

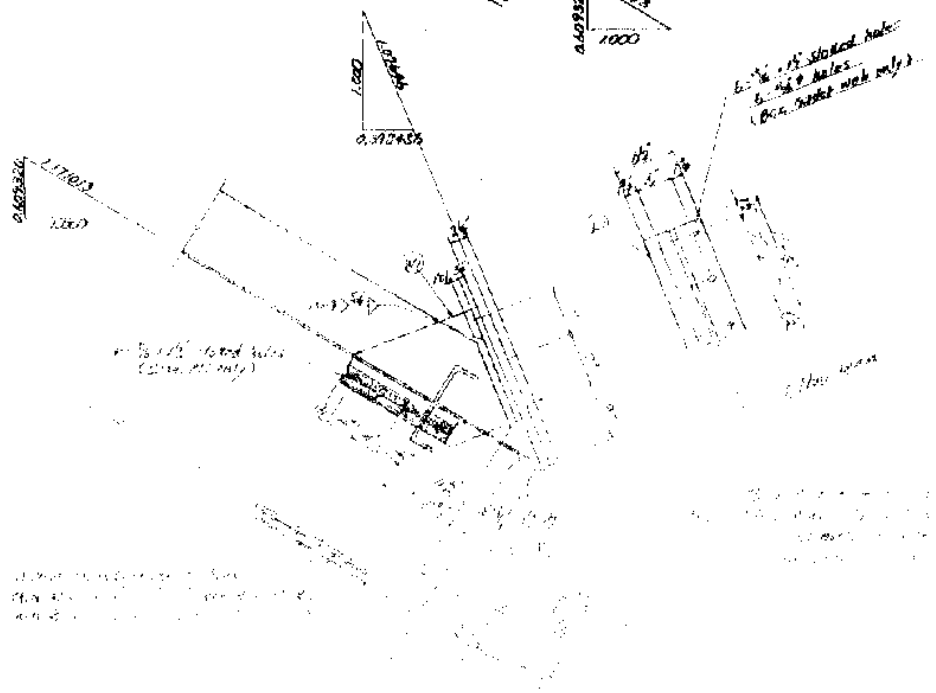
SEC. 4-4



SEC. 3-3

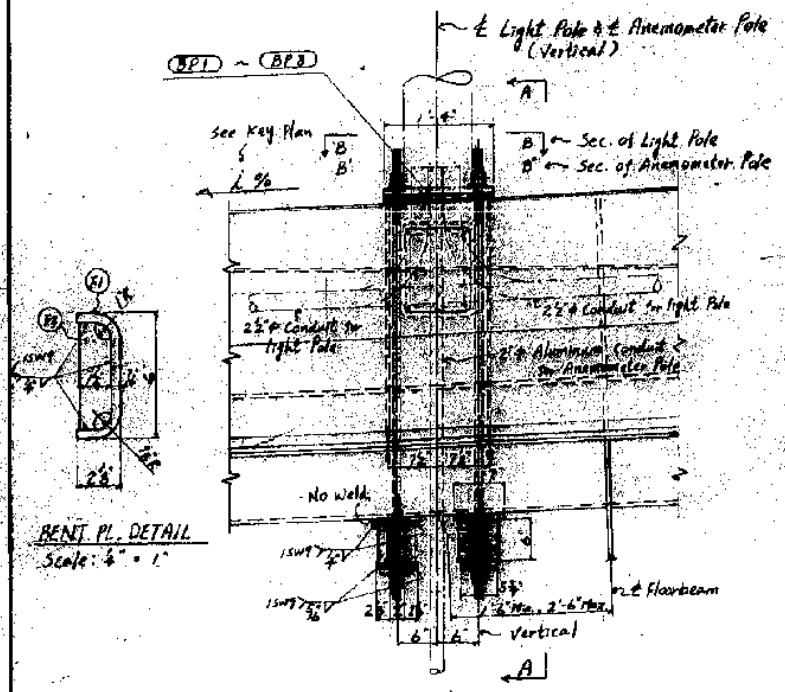


SEC. 5-5

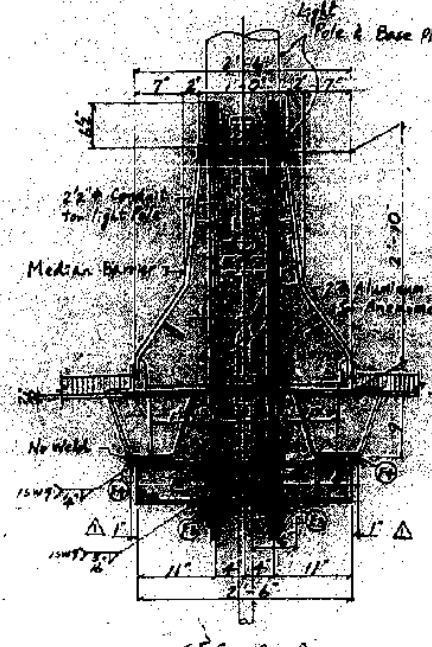


NOTES:
1. For general notes, see Dwg. No. S-1.
2. For Sec. 1-1 thru S.S., see Dwg. No. S-475 (SEE C-C & D-D)

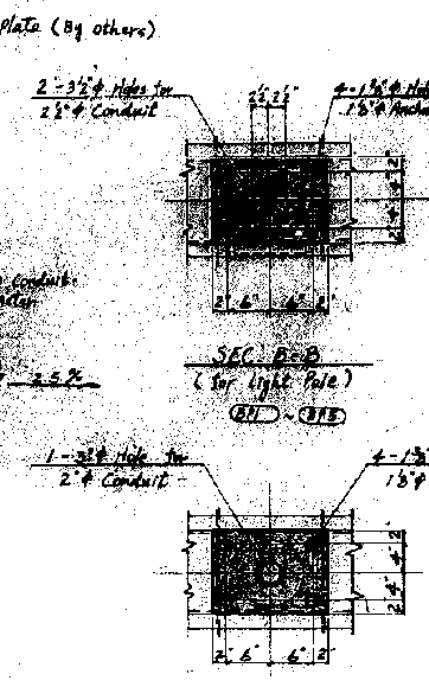
FAIRING PLATE
BLOCK 32 SC. 44 - 97.32 TO 5.2 (S/B)

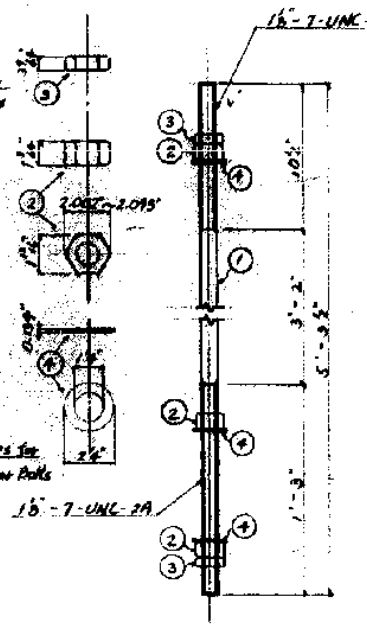


ELEVATION
Scale: 1" = 1'-0"

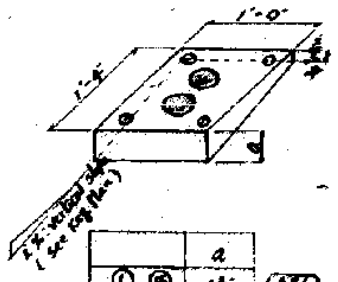


SEC. A-A





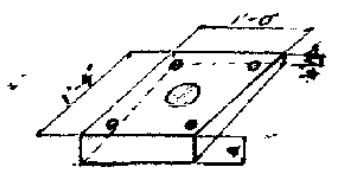
Bevel Fill for Light Pole
BP1 ~ BP3



	a	
①, ⑮	1½"	BF1
②, ⑭	1 5/32"	BF2
④, ⑫	1⅝"	BF3
⑤, ⑪	1"	BF4
⑦, ⑨	27/32"	BF5

BP1 ~ BP3
1-Bevel Fill 12" × a × 3'-4"
See Table

Bevel Fill for Anemometer Pole
BP4 ~ BP6

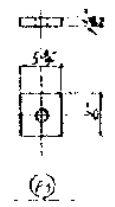


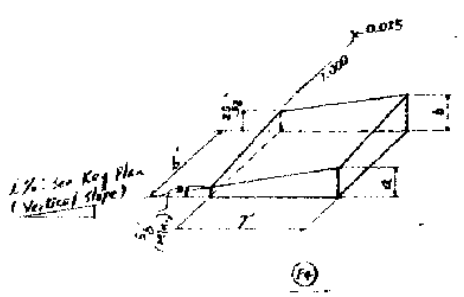
	a	
②, ⑭	1½"	BF6
④, ⑫	7/8"	BF7
⑧	¾"	BF8

BP4 ~ BP6
1-Bevel Fill 12" × a × 3'-4"
See Table

Anchor Bolt, Nuts & Washers : 60 - Req'd

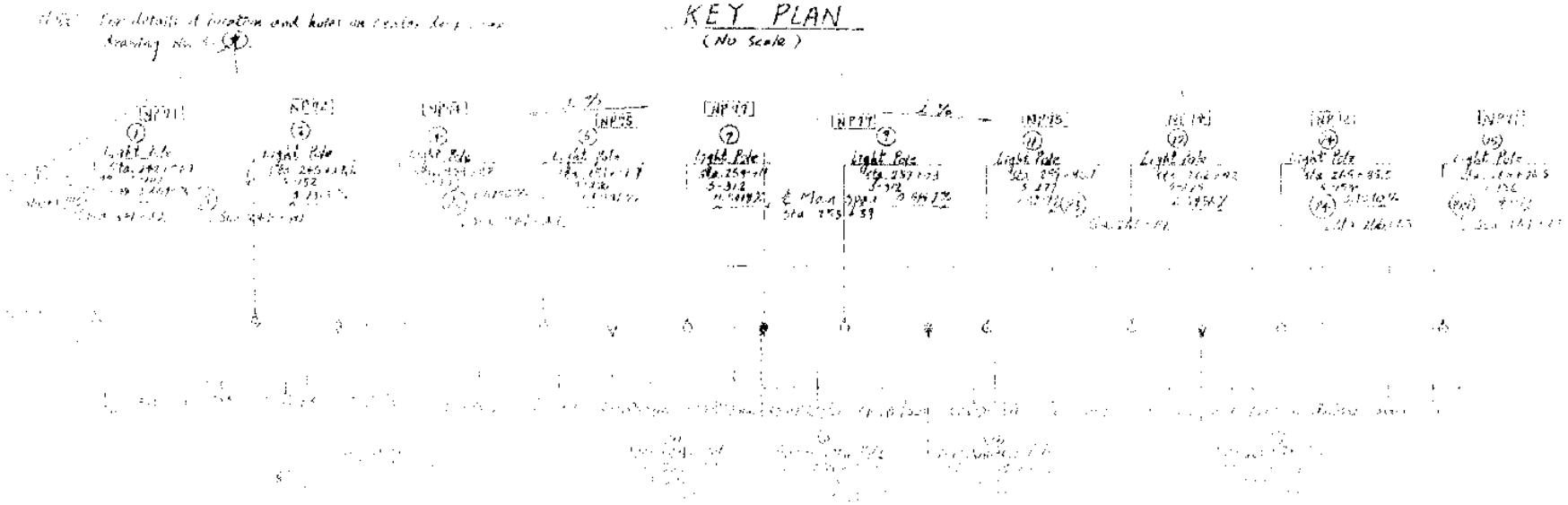
①	1 - M.S. Anchor Bolt	1⅝" ϕ × 5'-3½"	(A325 Type 3)
②	3 - Heavy Hex. Nuts	1⅝" ϕ	(")
③	2 - Heavy Hex. Jam Nuts	1⅝" ϕ	(")
④	3 - Plain Washers	2 ¼" ϕ × 0.134"	(")





	a	b	
①, ⑮	29/32"	1¼"	BF11
②, ⑭	⅞"	1 3/32"	BF12
③, ⑬	27/32"	1"	BF13
④, ⑫	1 5/16"	1 5/32"	BF14
⑤, ⑪	¾"	29/32"	BF15
⑥, ⑩	1⅛"	1 3/32"	BF16
⑦, ⑨	31/32"	1 5/16"	BF17
⑧	⅝"	25/32"	BF18

(F1) 4 - Bent Pls 10 ¼" × ⅞" × 2'-6"
(F2) 8 - Ribs 1½" × ⅜" × 5'-5"
(F3) 4 - Pls 5¾" × 1¼" × 6"
(F4) 4 - Bevel Pls 6" × b × 7"
See Table



* Substitution of Shapes (Table I)

Original Shape	Substituted Section	Bent Plate Section
W 8 × 15	WT 4 × 7.5	
W 10 × 15	WT 5 × 7.5	
W 10 × 17	WT 5 × 8.5	
W 10 × 21	WT 5 × 10.5	
W 12 × 22	WT 6 × 11	
W 12 × 26	WT 6 × 13	
W 12 × 27	WT 6 × 13.5	
W 12 × 30	WT 6 × 15	

NOTES:
1. For general notes, see Dwg. No. S-1
2. * Denotes substituted shape and the details are shown Table I.

LIGHT POLE AND ANEMOMETER POLE MOUNTING
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS
STATE PROJECT NO. 450-00-0172
F.A.P. NO. STP-0015(025)
MISSISSIPPI RIVER BRIDGE (I-10 EB)
MAIN RIVER CROSSING SPAN REPLACEMENT
PARISH

GIRDER PIECE MARKS (BLOCK 21 ~ 28) (1/9)

DIRECTION :

A1 20 (BJ20) (BLOCK 21 SIDE)

KEY :

● : Filler plates.

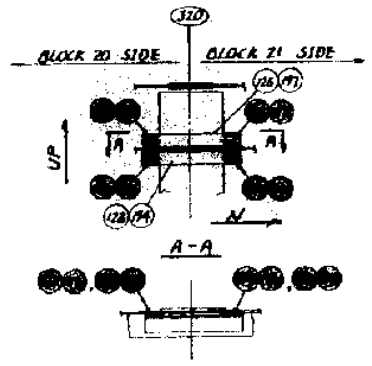
Example : A1 20 - 12

Piece No.

Field Splice Joint No.

A1 20 (BJ20) (BLOCK 21 SIDE)

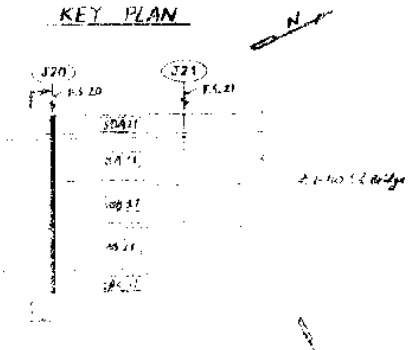
A1 20 (BJ20) (BLOCK 21 SIDE)



NOTES :

1. For notes, see Dwg. No. S-444.

KEY PLAN



BOTTOM PLAN
(BLOCK 21 SIDE)

MARKING DIAGRAM

GIRDER PIECE MARKS (BLOCK 21-28) (2/9)

DIRECTION:

AJ 21 (BJ 21) (BLOCK 22 SIDE) AJ 27 (BJ 27) (BLOCK 28 SIDE)

KEY:

● : Filler plates.

Example: AJ 21 - 12
- Piece No.
- Field Splice Joint No.

AJ 21 (BJ 21) (BLOCK 22 SIDE)
AJ 27 (BJ 27) (BLOCK 28 SIDE)

AJ 21 (BJ 21) (BLOCK 22 SIDE)
AJ 27 (BJ 28) (BLOCK 29 SIDE)

BLOCK 21, 27 SIDE | BLOCK 22, 28 SIDE

A-A

KEY PLAN

To Luling

E.I. 3106 & Bridge

NOTES:

1. For notes, see Dwg. No. 5-444.

PARKING DIAGRAM

TITLE	GIRDER PIECE MARKS (BLOCKS 21-28) (2/9)
	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-37-102 (A.P. NO. I-310-4(051)223 MISSISSIPPI RIVER BRIDGE (LULING) MAIN RIVER CROSSING SUPERSTRUCTURE ST. CHARLES PARISH

DIRECTION :

GIRDER PIECE MARKS (BLOCK 21~28) (3/4)

KEY :
● ; Filler plates

AJ22, (BJ22) (BLOCK 23 SIDE)
AJ26, (BJ26) (BLOCK 27 SIDE)

Example : AJ22 - 12
Block No.
Field splice Joint No.

AJ22, (BJ22) (BLOCK 23 SIDE)
AJ26, (BJ26) (BLOCK 27 SIDE)

BLOCK 22, 24 SIDE | BLOCK 23, 27 SIDE

A-A

KEY PLAN

To Luling

℄ I-310 ℄ N. Edge

NOTES:
1. For notes, see Dwg. NO. S-414.

MARKING DIAGRAM
(No Scale)

TITLE	GIRDER PIECE MARKS (BLOCK 21~28) (3/4)
	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-37-02 F.A.P. NO. I-310-4(35)223 MISSISSIPPI RIVER BRIDGE (LULING) MAIN RIVER CROSSING SUPERSTRUCTURE ST CHARLES PARISH
CONTRACTOR	WILLIAMS BROTHERS CONSTRUCTION CO., INC.
FABRICATOR	IHI-KURUSHIMA HARIMA HEAVY INDUSTRIES CO.
	KURE SHIPYARD WORKS KURE, JAPAN
	BRIDGES DESIGN & CONSTRUCTION DEPT.

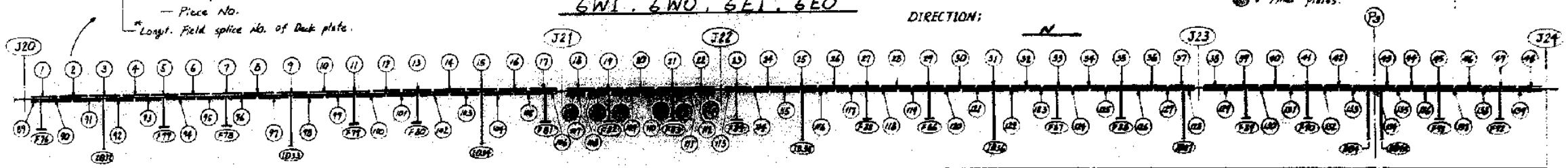
GIRDER PIECE MARKS (BLOCK 21 ~ 28) (4/9)

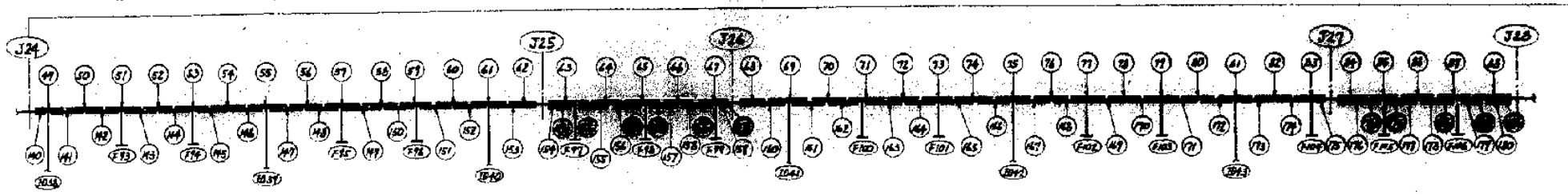
6WI . 6WO . 6EI . 6EO

Example ; 6WI - 2
— Piece No.
— Longt. Field splice No. of Deck plate.

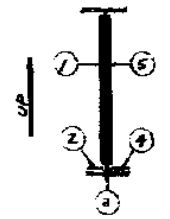
KEY:
(xx) : Filler plates.

DIRECTION;



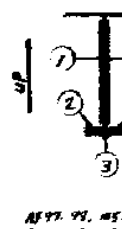


WI 876 ~ WI F106
EI F76 ~ EI F106

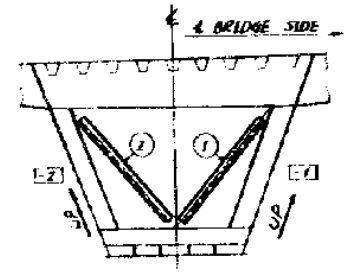


WO804 ; WO804A
EO804 ; EO804A
WO10 12 ~ WO10 43
EO10 32 ~ EO10 43
WO F76 ~ WO F106
EO F76 ~ EO F106

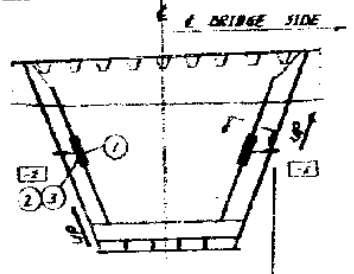
Example:
WO804 - 5



AF82 . AF87 . AF99 . AF105 . AF106
BF82 . BF87 . BF99 . BF105 . BF106



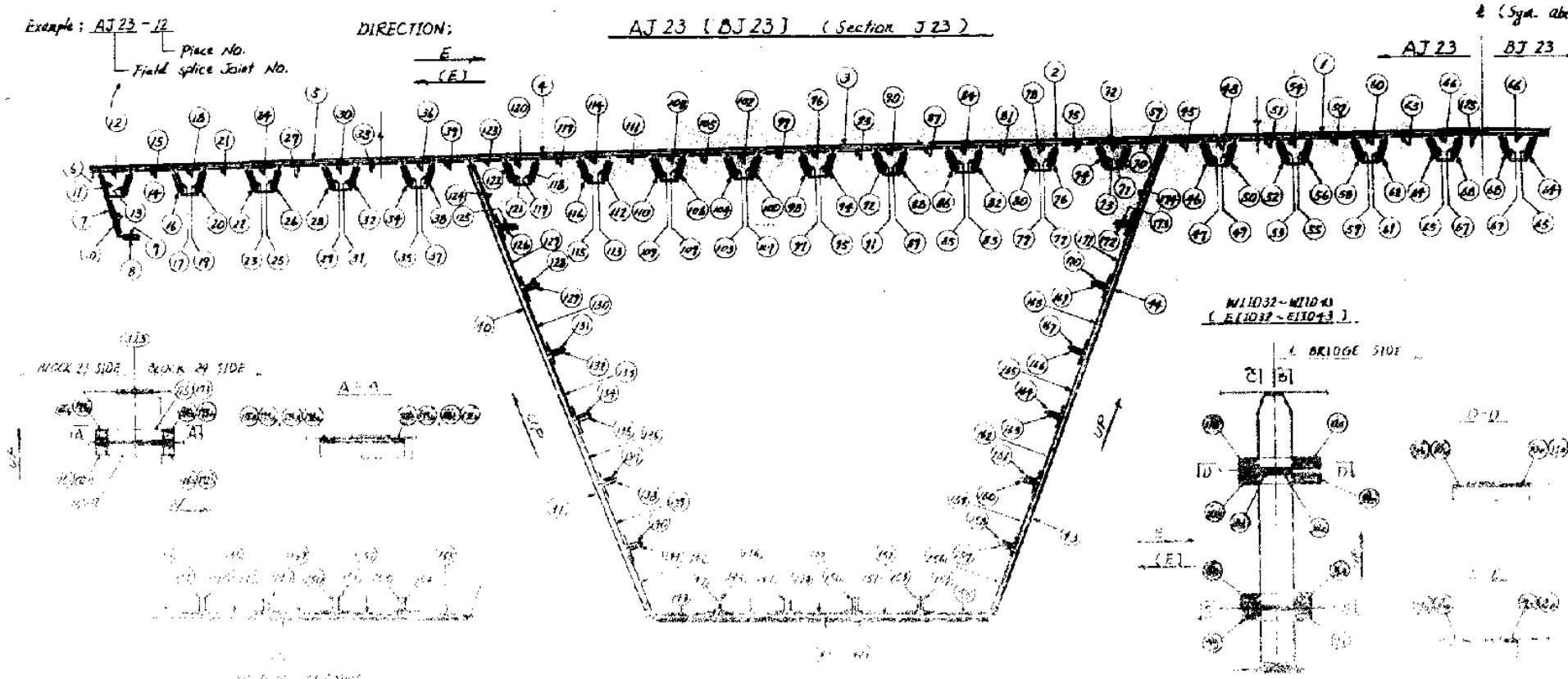
AF87. 99, 105. mk-1 . BF87. 99, 105. mk-2
AF87. 99, 105. mk-1 . BF87. 99, 105. mk-2

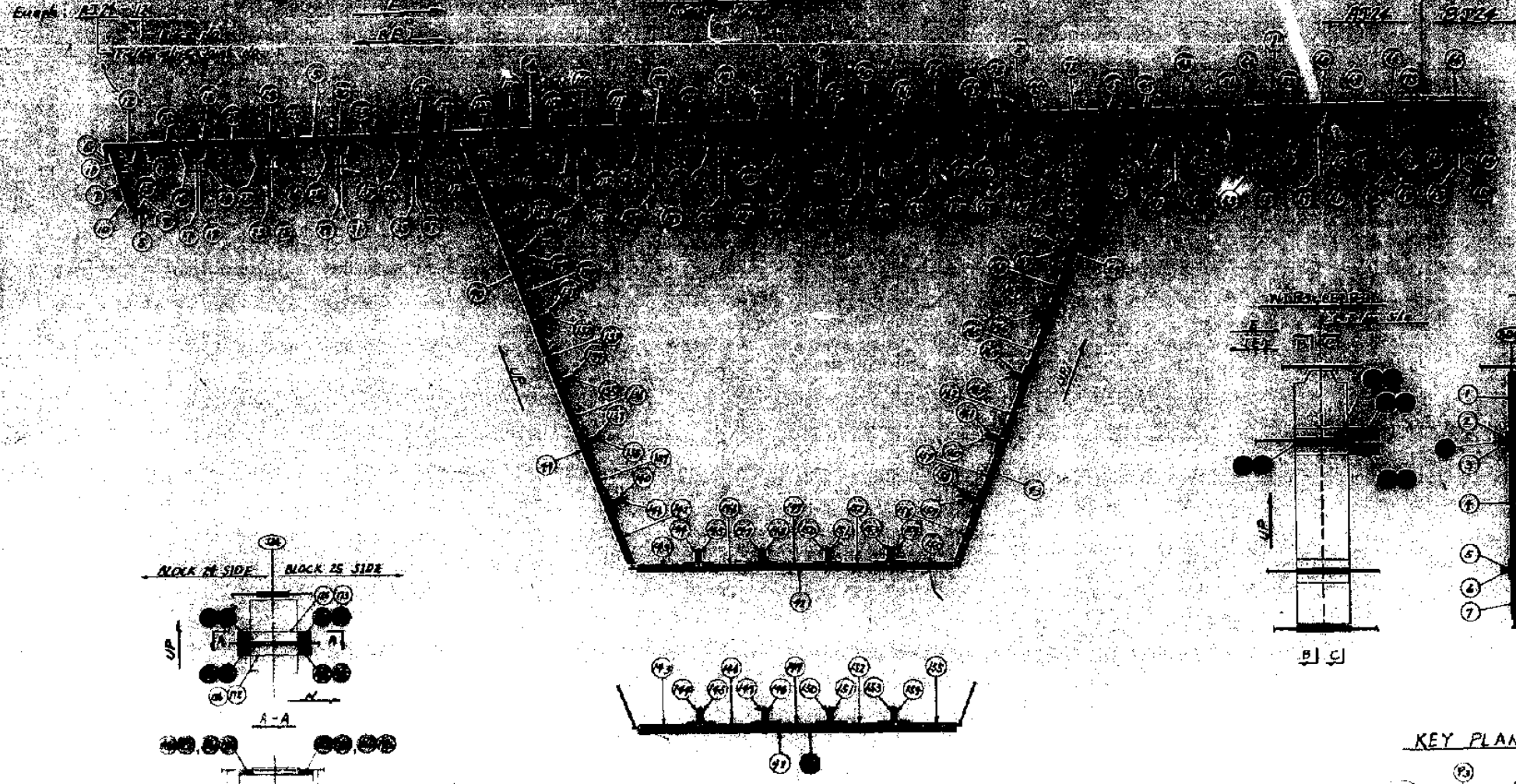


Example ; AJ 23 - 12
— Piece No.
— Field splice Joint No.

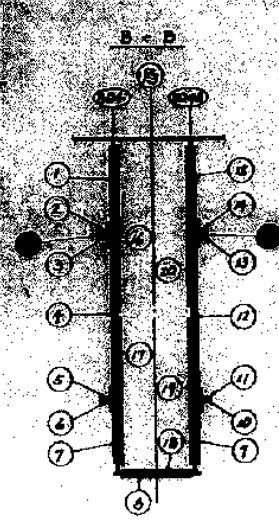
DIRECTION;

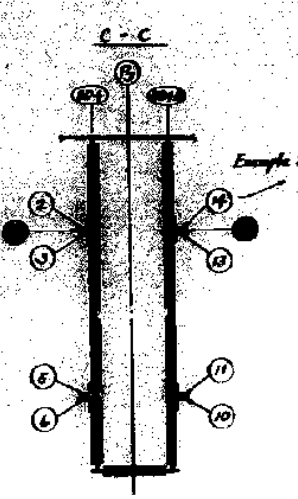
AJ 23 (BJ 23) (Section J 23)





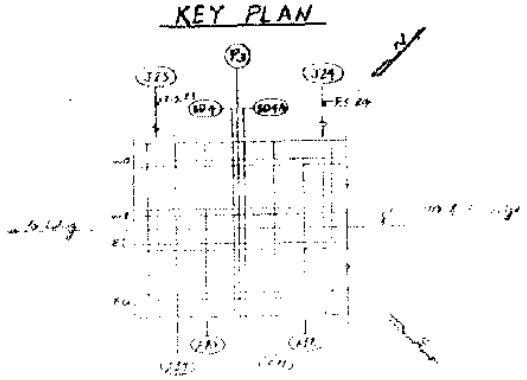
BOTTOM FLANGE
(BLOCK 25 SIDE)



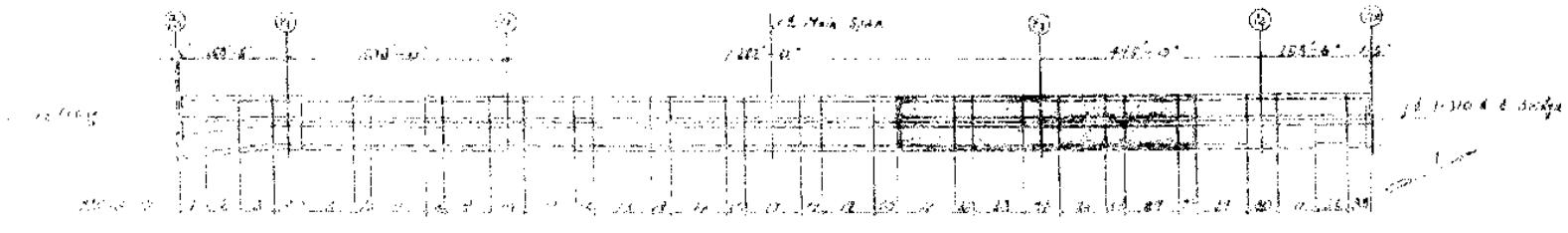


Example : WIP3 - 14

KEY PLAN



MARKING DIAGRAM
(NO Scale)



NOTES:-
1. For notes, see Dwg. No. S-414.

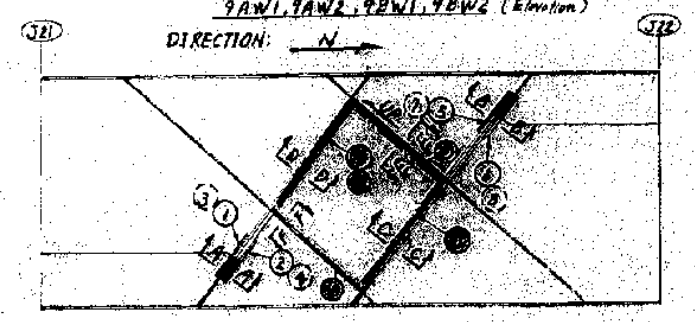
TITLE : GIRDER PIECE MARKS (Block 21-28) (Sht 4)

GIRDER PIECE MARKS (BLOCK 21~28, CG9) (1/9)

Cross Girder No.

9AW1, 9AW2, 9BW1, 9BW2 (Elevation)

DIRECTION: N



Example: 9AW1 - 9a

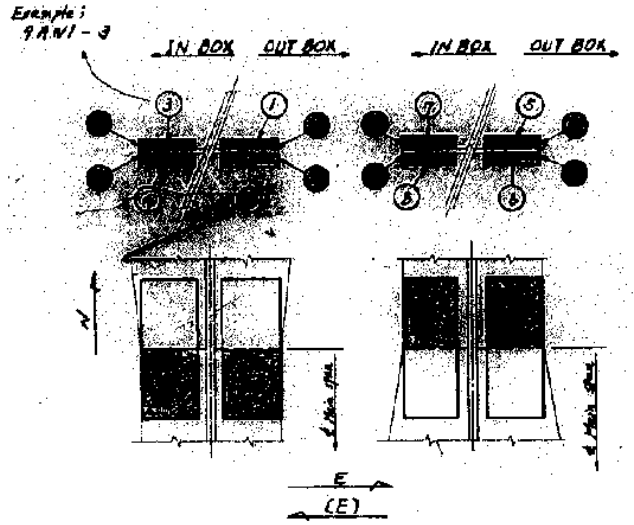
9a — piece no.

Field splice No. of elevation on web

A - A

B - B

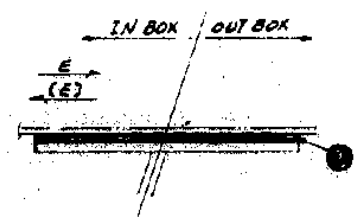
Example: 9AW1 - 3



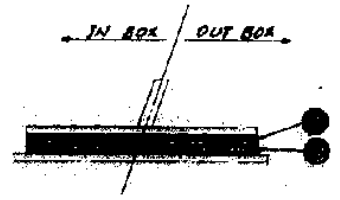
KEY:

●: Filler plates & Shim plates.

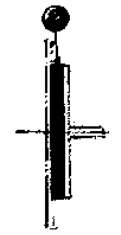
C - C



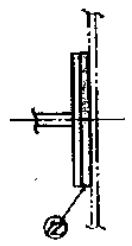
D - D



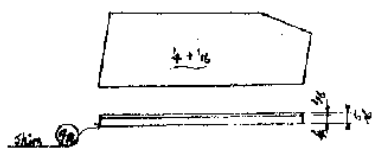
E - E



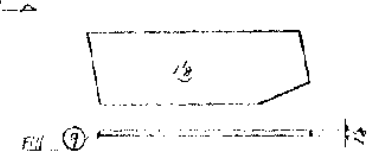
F - F (9AW1 Only)



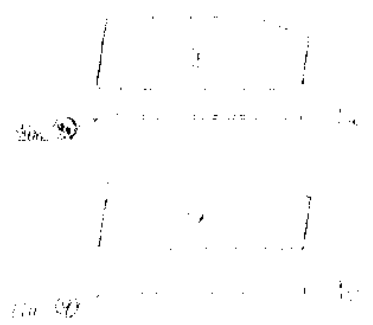
9AW2 - 9, 9a



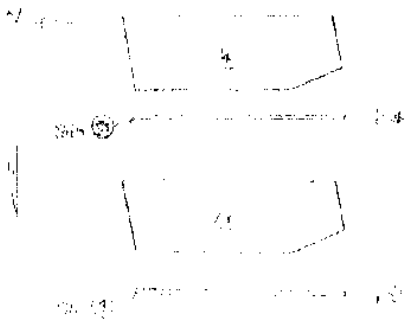
9AW1 - 9



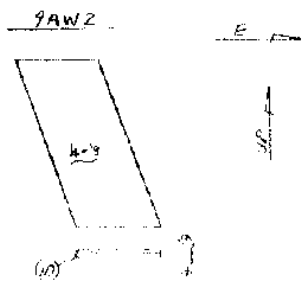
9AW1 - 2, 9a



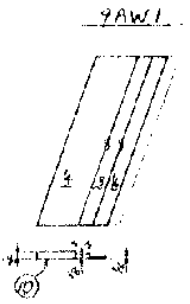
9BW2 - 2, 9a



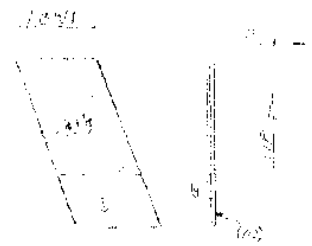
9AW2



9AW1



9BW1



9BW2

MARKING DIAGRAM

9AW1

9AW2

9BW1

9BW2

9AW1

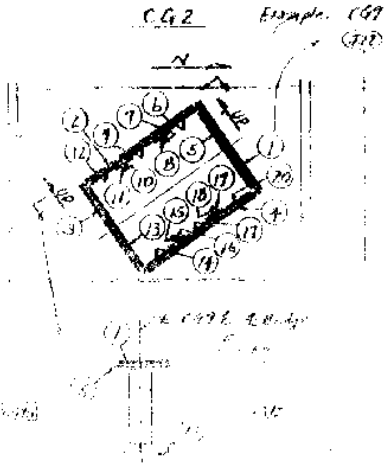
9AW2

9BW1

9BW2

CROSS GIRDER

CG2 Example: CG9 - 1



NOTES:

1. For rules, see Dwg. No. 1-449.

GIRDER PIECE MARKS (BLOCK 21 ~ 25) (6/99)

DIRECTION

KEY :
1 Girder plate.

AJ 25 (BJ 25) (BLOCK 26 SIDE)

AJ 25 (BJ 25) (BLOCK 26 SIDE)

BLOCK 25 SIDE — BLOCK 26 SIDE

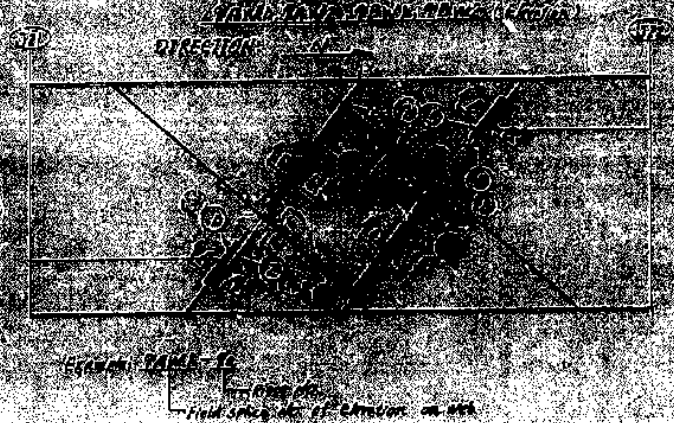
A - A

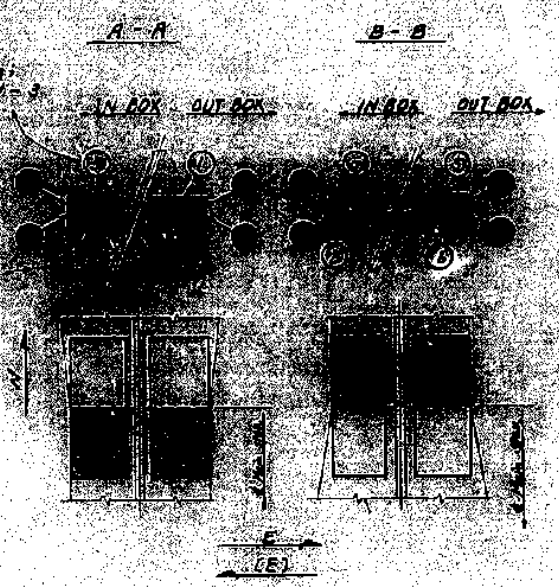
KEY PLAN

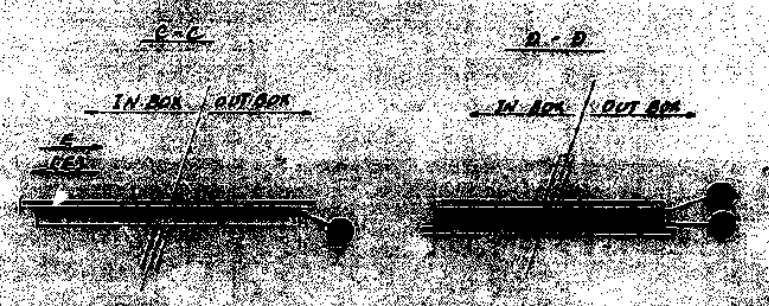
NOTES:
1. For notes see Dwg. No. S-444

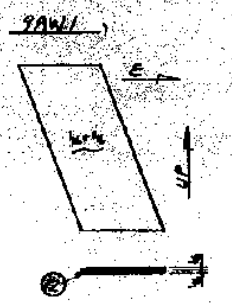
TITLE	GIRDER PIECE MARKS (BLOCK 21 ~ 25) (499)
	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-37-02 F.A.P. NO. I-310-4(051)223 MISSISSIPPI RIVER BRIDGE (LULING) MAIN RIVER CROSSING SUPERSTRUCTURE

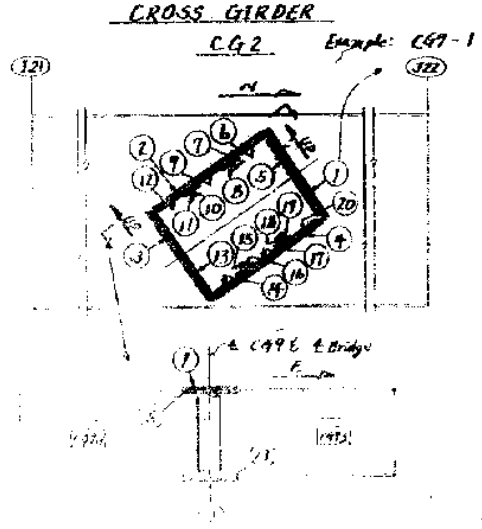
GIRDER PIECE MARKS (BLOCK 21~28, CG9) (1/9)











TITLE: GIRDER PIECE MARKS (BLOCK 21~28, CG9) (1/9)

STATE OF MISSISSIPPI
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

STATE PROJECT NO. [illegible]

MISSISSIPPI RIVER BRIDGE
MAIN RIVER CROSSING STRUCTURE

WILLIAM SEIDLE INCORPORATED

ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD.

HOPE SELIGO JOINT VENTURE

DESIGN GROUP

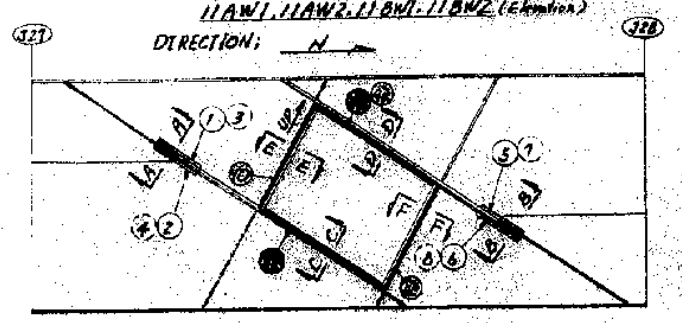
GIRDER PIECE MARKS - (BLOCK 21~28, C410) (8/9)

TITLE	GIRDER PIECE MARKS (BLOCK 21-28, C410) (8/9)
	STATE OF MISSISSIPPI
	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
	OFFICE OF BRIDGES
	STATE PROJECT NO. 451-37-02
	F.A.P. NO. I-310(4)251(23)
	MISSISSIPPI RIVER BRIDGE (U.S. 61)
	MAIN SPAN - MISSISSIPPI SUPERSTRUCTURE
	ST. CHARLES PARISH

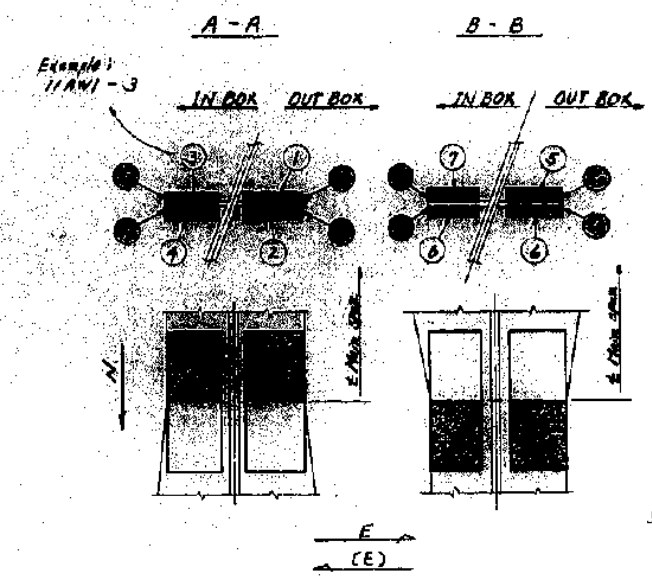
GIRDER PIECE MARKS (BLOCK 21~28, CG11)(9/9)

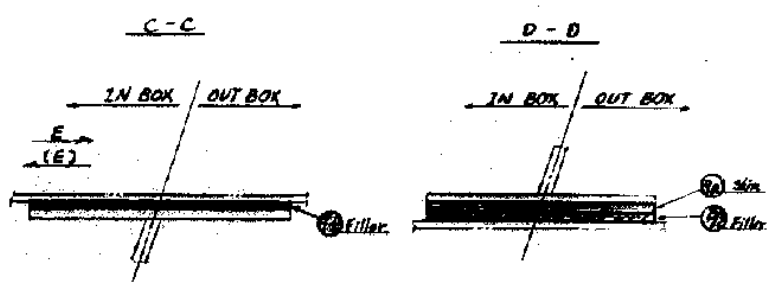
KEY:
●: Filler plates & shim plates.

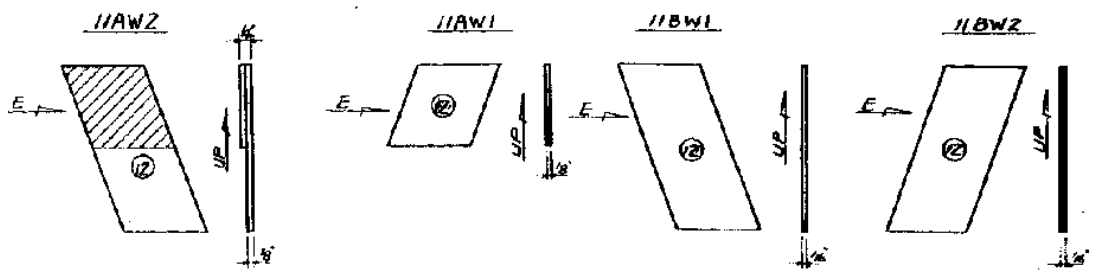
Cross Girder No.
11AW1, 11AW2, 11BW1, 11BW2 (Elevation)

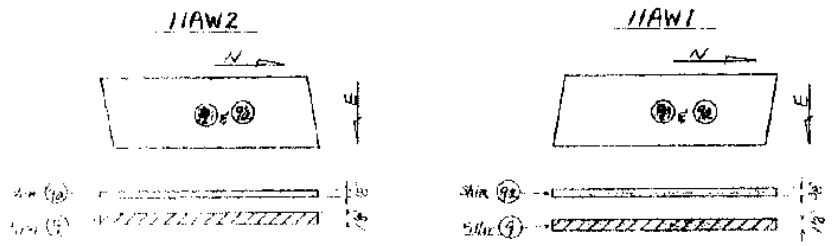


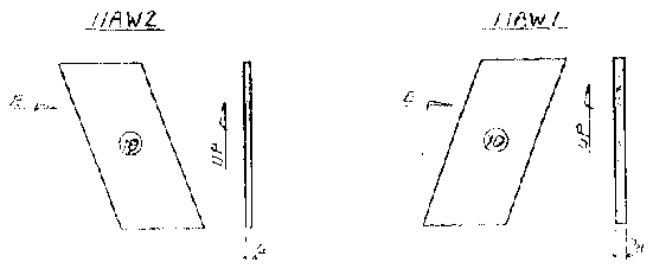
Example: 11AW2 - 9a
Piece No.
Field splice No. of elevation on web



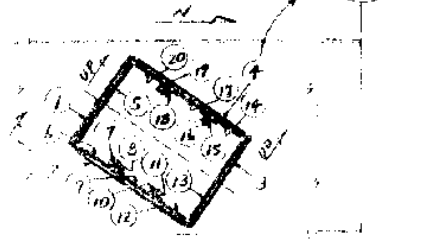








CROSS GIRDER
CG11
Example: CG11-4



NOTES:
1. For notes, see Dwg. No >-414.

DIRECTION:

KEY:

Example: AT 14 - 12
Piece No.
Field splice Joint No.

BLOCK 16 SIDE / BLOCK 17 SIDE
Example: AT 16 - 17 to

BLOCK 18 SIDE / BLOCK 17 SIDE
Example: AT 18 - 17 to

U.P.

N

(J14) BOTTOM FLANGE ONLY
(BLOCK 16 SIDE)

KEY PLAN

℄ I-310 & ℄ Bridge

NOTES:
1. For notes, see Dwg. No. S-814.

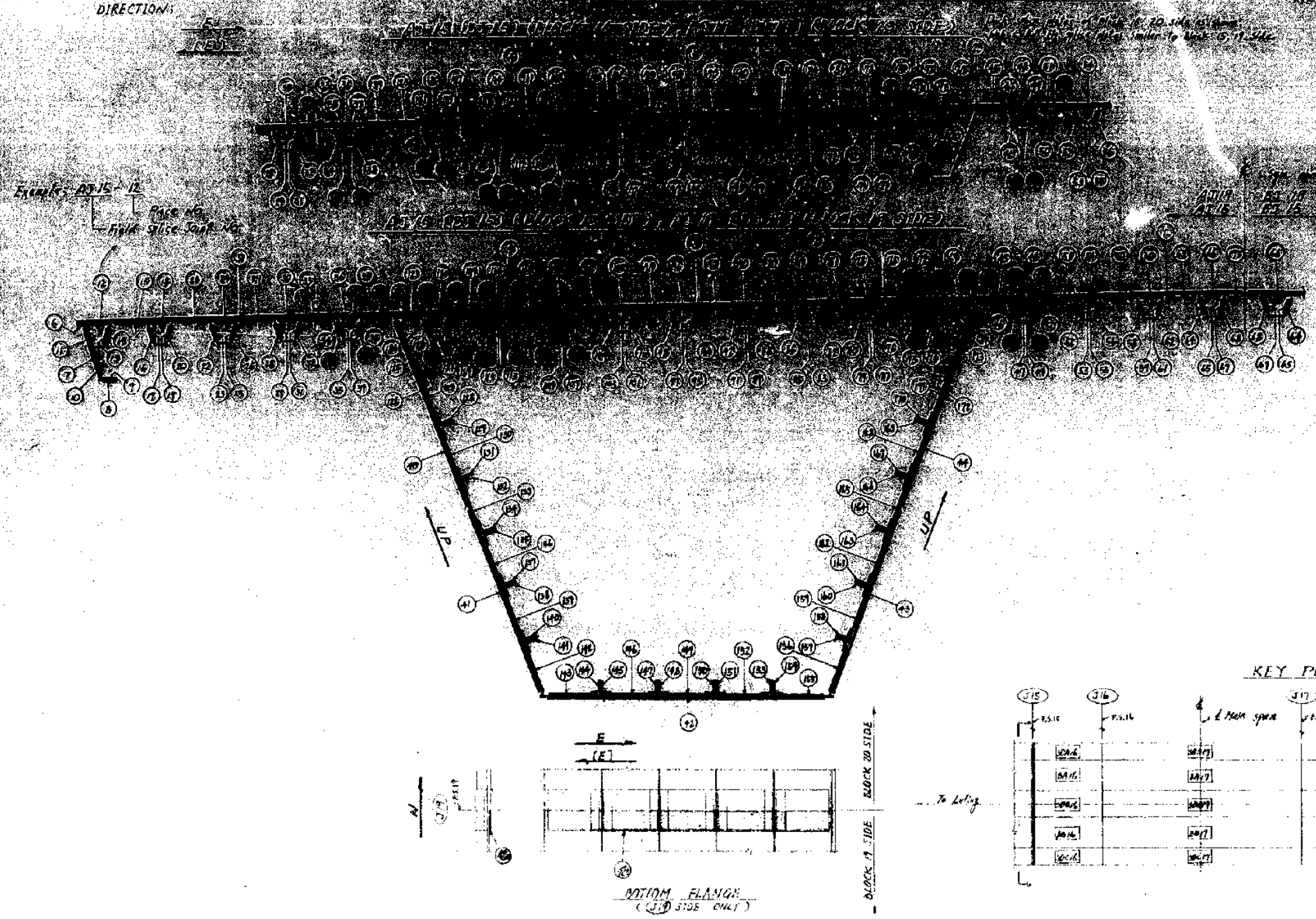
MARKING DIAGRAM
(AS SHOWN)

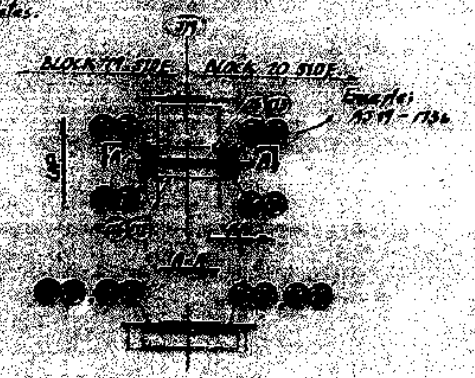
TITLE	GIRDER PIECE MARKS (BLOCK 14 - 20) (14)
	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-37-02 F.A.P. NO. I-310-4(35)223
	MISSISSIPPI RIVER BRIDGE (LULING) MAIN RIVER CROSSING SUPERSTRUCTURE
	ST. CHARLES PARISH
CONTRACTOR	WILLIAMS BROTHERS CONSTRUCTION CO., INC.
FABRICATOR	[illegible]
DESIGNED	[illegible]
CHECKED	[illegible]
APPROVED	[illegible]

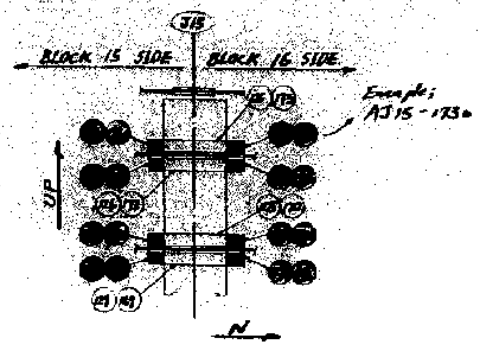
GIRDER PIECE MARKS (BLOCK 14 - 20) (CONT'D)

DIRECTION:

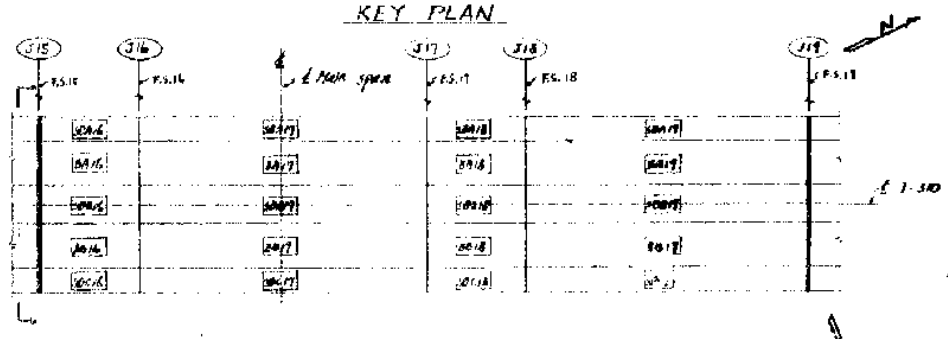
KEY: ● Fillet plates.







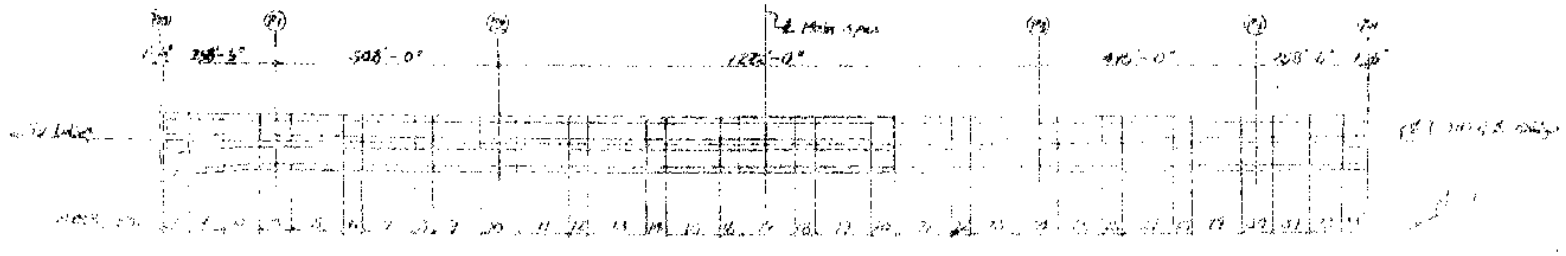
KEY PLAN



NOTES:

1. For notes, see Dwg. No. S-414.

MARKING DIAGRAM
(NO Scale)



TITLE	GIRDER PIECE MARKS (BLOCK 14-20)(CONT'D)
	STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-37-02 F.A.P. NO. I-310-4(15)223 MISSISSIPPI RIVER BRIDGE (LULING) MAIN RIVER CROSSING SUPERSTRUCTURE IN CHARLES PARISH
CONTRACTOR	WILLIAMS BROTHERS CONSTRUCTION CO. INC.
FABRICATOR	KAWADA-IHI HEAVY INDUSTRIES CO.
PLANT OF FABRICATION	[illegible] WORKS NAME JAPAN
	BRIDGES DESIGN GROUP PRODUCTION DESIGN DEPT.
DRAWN BY	CHKD. BY
DATE	DWG. NO. S-417
SCALE	SHEET NO. 7 OF [illegible]
QUANTITIES	

GIRDER FIELD MARKS (BLOCK 14 ~ 20.) (3/4)

DIRECTION

KEY :

Girder plates.

AJ/6 (BLOCK 14 SIDE)

AJ/7 (BLOCK 17 SIDE)

KEY PLAN

N

NOTES :

1. For notes, see Dwg. No. S-414.

MARKING DIAGRAM

TITLE	GIRDER FIELD MARKS (BLOCK 14 ~ 20) (3/4)
	STATE OF LOUISIANA
	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
	OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-01-02
	F.A.P. NO. BRC-4501223
	MISSISSIPPI RIVER BRIDGE (I-10)
	MAIN RIVER CROSSING SUPERSTRUCTURE
	ST. CHARLES PARISH

GIRDER PIECE MARKS (BLOCK 19 - 20) (1/2)

DIRECTION:

KEY:

AJ 17 (BJ 17) BLOCK 19 SIDE

AJ 17 CAP 17 (BLOCK 19 SIDE)

KEY PLAN

NOTES:

1. For notes, see Dwg. No. S-446.

MARKING DIAGRAM
(No Scale)

TITLE: GIRDER PIECE MARKS (BLOCK 19-20) (1/2)	
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT OFFICE OF HIGHWAYS	
STATE PROJECT NO. 450-37-02 F.A.P. NO. I-310-2(35)223 MISSISSIPPI RIVER BRIDGE (LUE ING.) MAIN RIVER CROSSING SUPERSTRUCTURE ST. CHARLES PARISH	
CONTRACTOR: WILLIAMS BROTHERS CONSTRUCTION CO., INC.	
FABRICATOR: [illegible]	
DESIGNED: [illegible]	DWG. NO. S-445
DRAWN: [illegible]	DATE: [illegible]
CHECKED: [illegible]	SCALE: [illegible]
APPROVED: [illegible]	SHEET NO. [illegible]

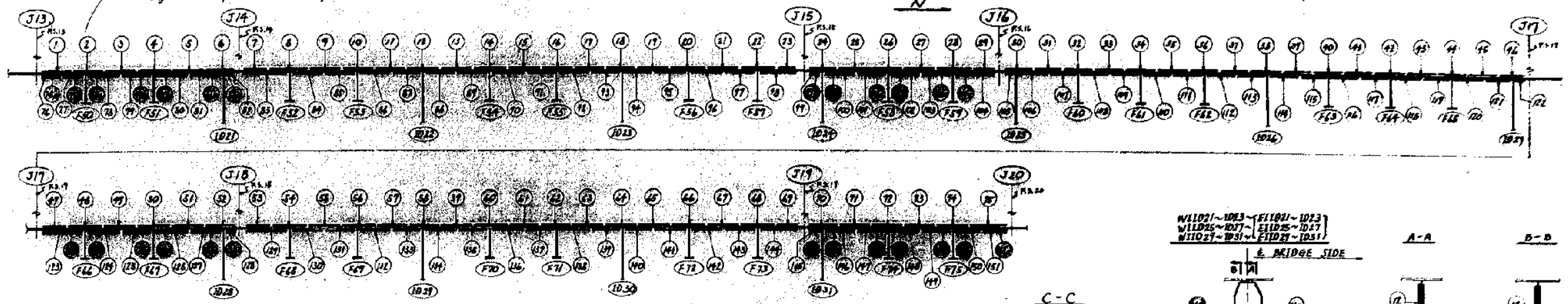
GIRDER PIECE MARKS (BLOCK 14 ~ 20) (5/9)

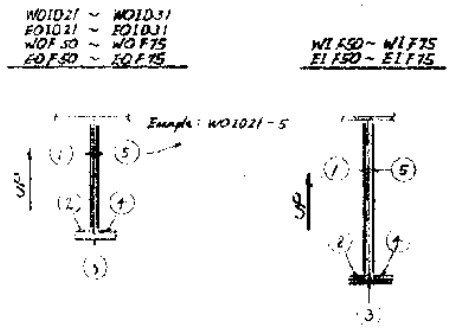
7WI, 7WO, 7EI, 7EO

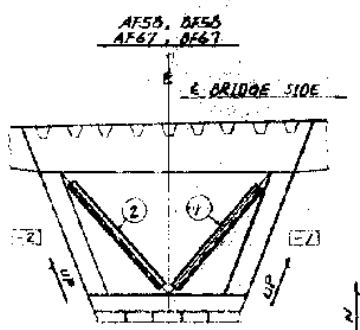
Example: 7WI - 2
- Piece No.
- *Longit. field splice No. of Deck plate.

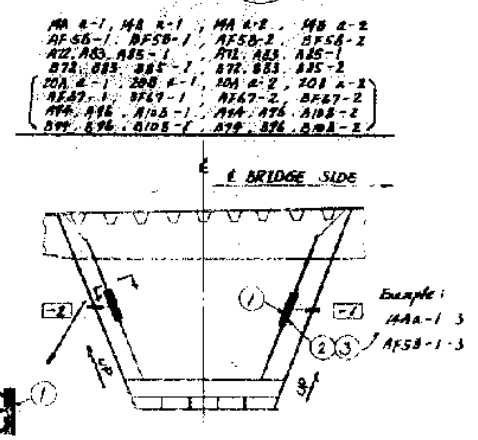
KEY:
- ●: Fillet plates.

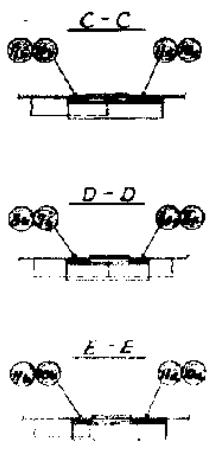
DIRECTION: N

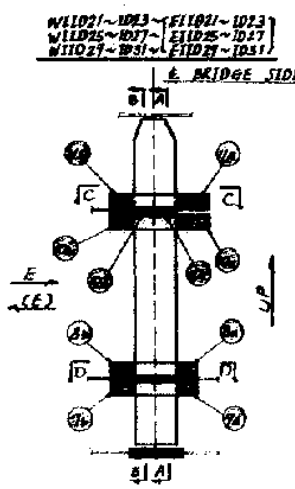


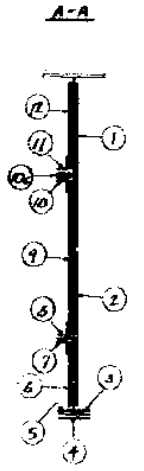


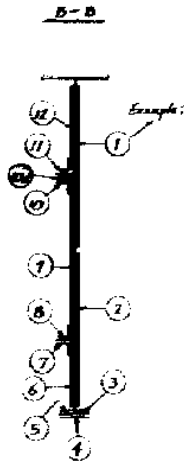


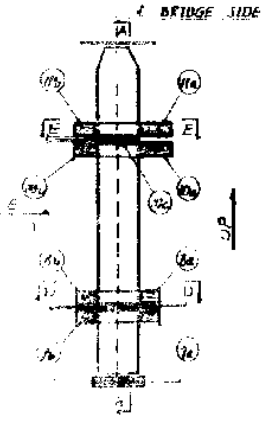












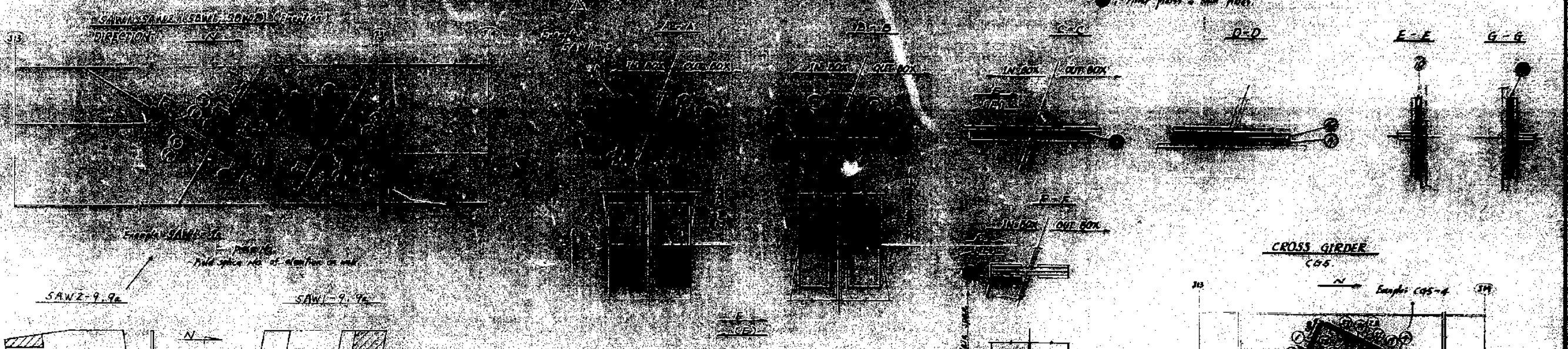
KEY PLAN

NOTES:
1. For notes see Dwg No. S-414

GIRDER PIECE MARKS (BLOCK 14~20) (5/9)

GIRDER PIECE MARKS (BLOCK 14-20, CG5) (1/2)

KEY:
● : Filler plates & shim plates



NOTES:
1. For notes, see Dwg. no. S-414.

KEY PLAN

TITLE: GIRDER PIECE MARKS (BLOCK 14-20, CG5) (1/2)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

STATE PROJECT NO. 450-37-02
F.A.P. NO. I-310-4(35)223
MISSISSIPPI RIVER BRIDGE (LULING)
MAIN RIVER CROSSING SUPERSTRUCTURE
ST. CHARLES PARISH

CONTRACTOR: WILLIAM BROTHERS CONSTRUCTION CO., INC.
DESIGNED: [illegible]
FABRICATED: [illegible]
MONTAGE: [illegible]

GIRDER PIECE MARKS (BLOCK 14-10, CG 8) (3/4)

KEY: ● : Filler plates & shim plates.

Cross Girder No.

8AW1, 8AW2, 8BW1, 8BW2 (Plate Type)

DIRECTION: AV

Example: 8AW1-7a

Piece No.

Field splice No. of elevation on web

A-A

B-B

IN BOX / OUT BOX

C-C

IN BOX / OUT BOX

D-D

E-E

G-G (8Bw1, 8Bw2 Only)

F-F

IN BOX OUT BOX

8AW2 - 9, 9a

8AW1 - 9, 9a

8BW2 - 9, 9a

8BW1 - 9

8AW2

8AW1

8BW1

8BW2

CROSS GIRDER CGB

Example: CGB-4

℄ CGB & ℄ Bridge

NOTES:

1. For notes, see Dwg. No. S-414.

KEY PLAN

MARKING DIAGRAM (NOT TO SCALE)

TITLE: GIRDER PIECE MARKS (BLOCK 14-10, CG 8) (3/4)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

STATE PROJECT NO. 450-37-02
F.A.P. NO. I-310-4(37)223
MISSISSIPPI RIVER BRIDGE (LULING)
MAIN RIVER CROSSING SUPERSTRUCTURE
ST. CHARLES PARISH

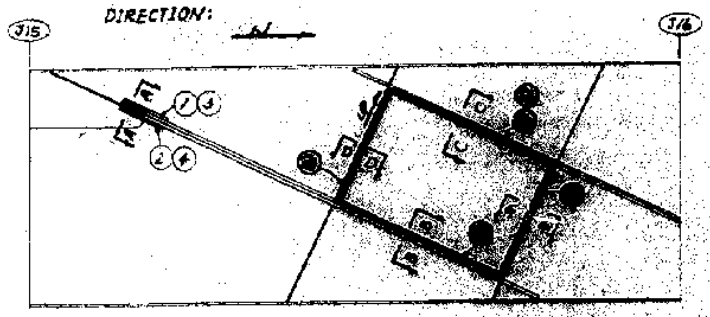
CONTRACTOR: WILLIAMS BROTHERS CONSTRUCTION CO., INC.

GIRDER PIECE MARKS (BLOCK 14~20, CG6) (1/4)

Cross Girder no.

6AW1, 6AW2 (6BW1, 6BW2) (Elevation)

DIRECTION:

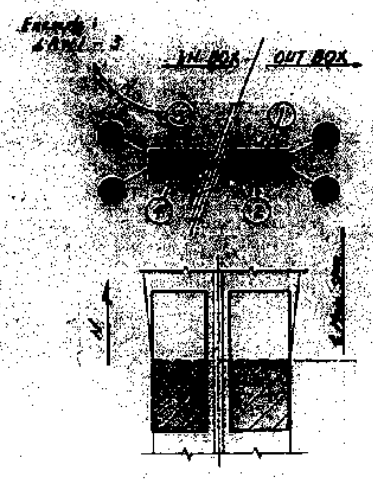


Example: 6AW1 - 5a

Piece no.

Field splice no. of elevation on web.

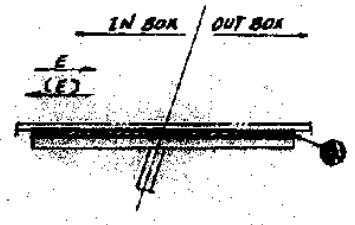
A - A



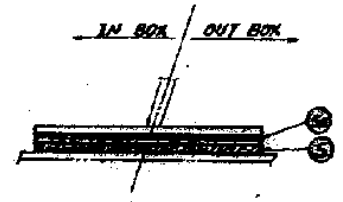
KEY:

● : Filler plates & Shim plates

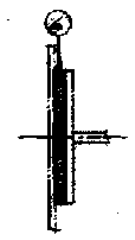
B - B



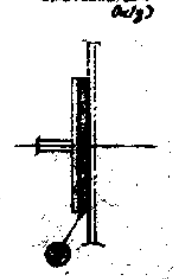
C - C



D - D

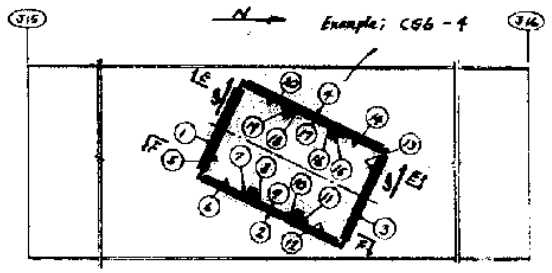


G - G (Cross. Girder Temp. Only)

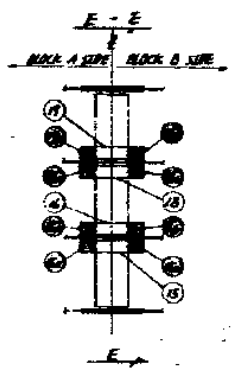


CROSS GIRDER

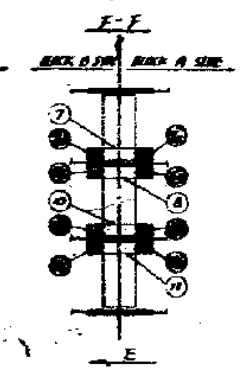
CG 6

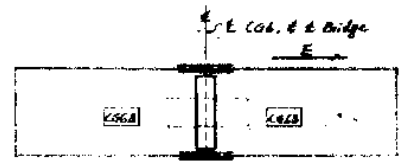


E - E

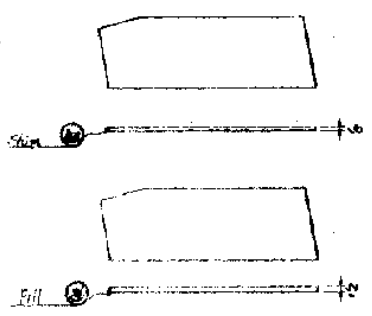


F - F

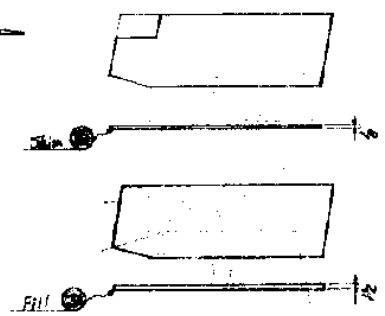




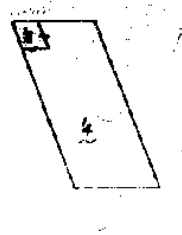
6AW2 - 5, 5a



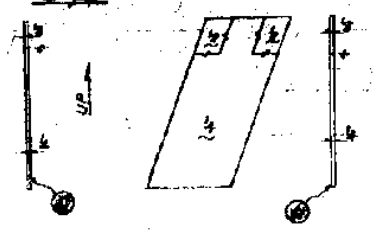
6AW1 - 5, 5a



6AW2

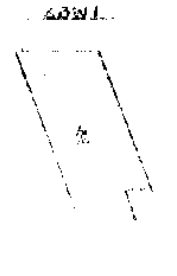


6AW1

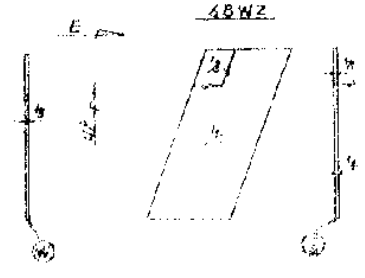


6BW2 - 5, 5a

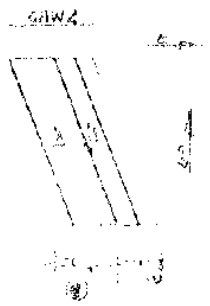
6BW1



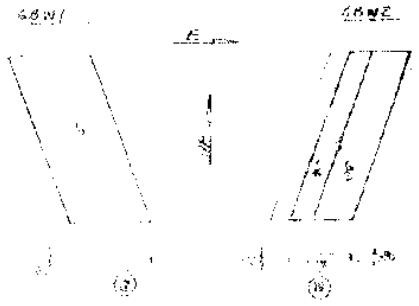
6BW2



6AW2



6AW1



6BW2

NOTES:

1 For notes, see Dwg. No. S 418.

TITLE: GIRDER PIECE MARKS (BLOCK 14~20, CG6) (1/4)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

RECOMMENDED:

MAIN PLANS ENGINEER

APPROVED:

CHIEF ENGINEER

DATE:

SUPERSEDES DRAWING ISSUED:

DATE:

SUPERSEDED DRAWING ISSUED:

DATE:

DRAWING CHECKED:

DRAWN:

CHECKED:

DESIGNED:

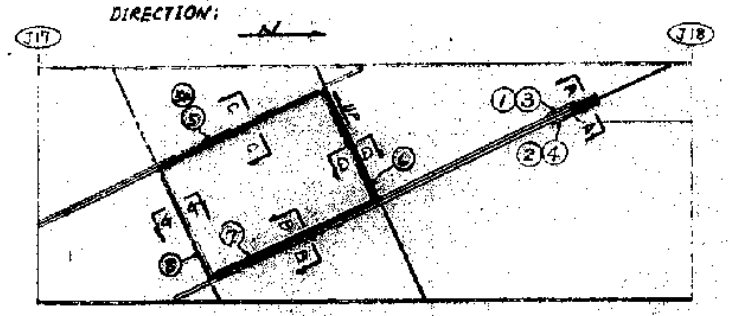
DRAWING NO. S 419

GIRDER PIECE MARKS (BLOCK 14~20, CG7) (8/9)

Cross Girder No.

7AW1, 7AW2 (7BW1, 7BW2) (Elevation)

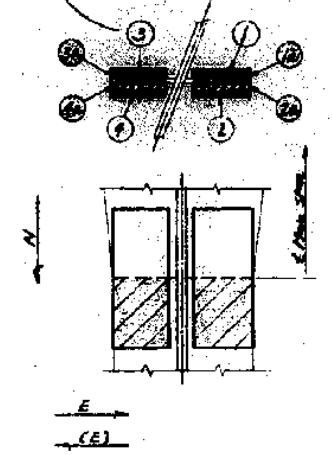
DIRECTION: N



Example: 7AW1 - 5a
- piece no.
- Field splice no. of elevation or web.

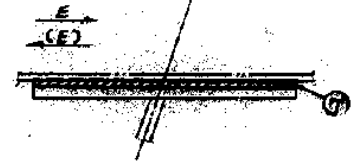
A - A

Example: 7AW1 - 3

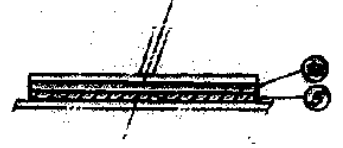


KEY:
⑤ : Filler plates & Shim plates

B - B

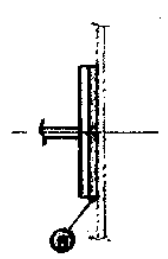


C - C



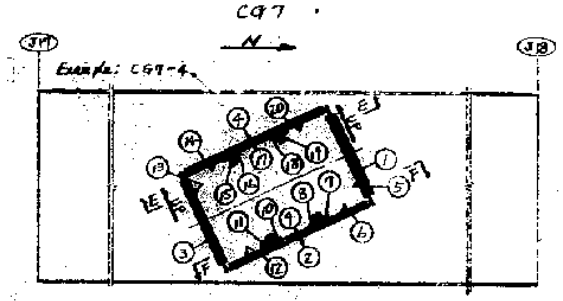
D - D

G - G
(7AW1, 7BW1, 7BW2 Only)

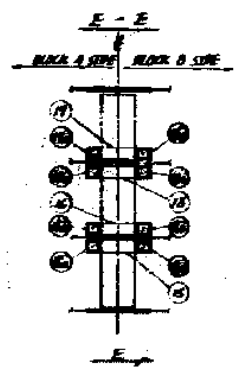


CROSS GIRDER

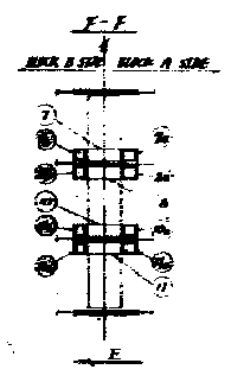
CG7



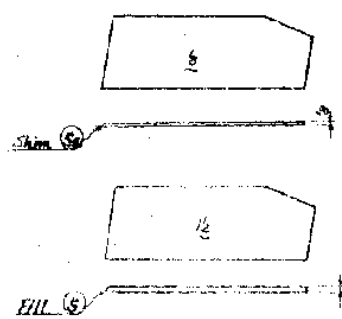
E - E



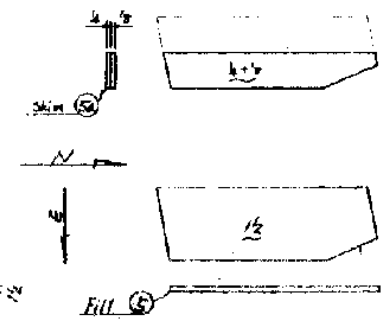
F - F



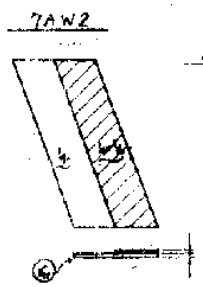
7AW2 ~ 5, 5a



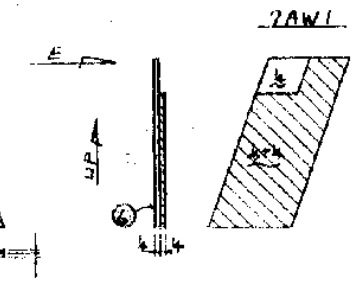
7AW1 - 5, 5a



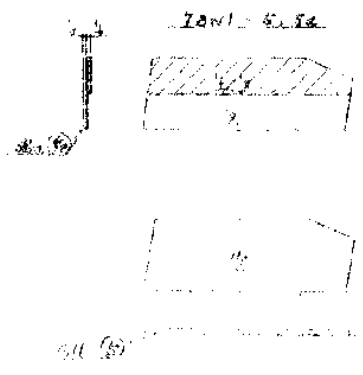
7AW2



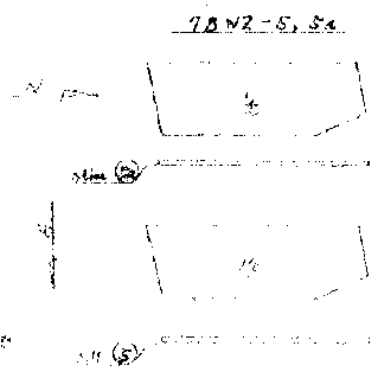
7AW1



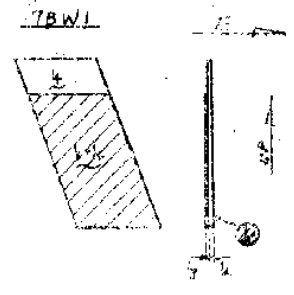
7BW1 - 5, 5a



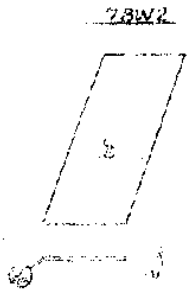
7BW2 - 5, 5a



7BW1

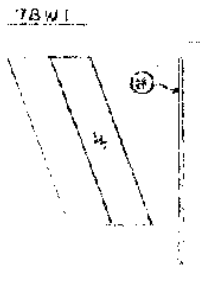


7BW2



7AW1

7BW1



7BW2

NOTES:
1. For notes, see Dwg. No. S-814.

TITLE	GIRDER PIECE MARKS (Block 14~20, CG7) (8/9)
	STATE OF LOUISIANA
	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
	OFFICE OF HIGHWAYS
	STATE PROJECT NO. 450-37-02
	F.A.P. NO. I-310-4(CS)223
	MISSISSIPPI RIVER BRIDGE (I-10 BNG.)
	MAIN RIVER CROSSING SUPERSTRUCTURE
	ST. CHARLES PARISH
CONTRACTOR	WILLIAMS BROTHERS CONSTRUCTION CO., INC.
DESIGNER	DIVISION OF BRIDGE DESIGN
	STATE HIGHWAY ENGINEER
	DEPUTY CHIEF ENGINEER
	DIRECTOR OF HIGHWAYS
	DIVISION CHIEF, BRIDGE DESIGN
	DESIGN ENGINEER
	DETAILED BY
	CHECKED BY
	DATE
	SHEET NO.

NOTES:

1. For General notes, See Dwg. NO. S-1.
2. All materials (including fasteners) used for Handrail shall be galvanized according to A-123 after fabrication.
3. * Denotes substituted shapes See, side table and bene.

Original shape	Substituted shape
A.S.T.M. Stainless steel	U.S. Std.

TITLE DRAINAGE AND HANDRAIL OF TOWER BASE

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF HIGHWAYS

STATE PROJECT NO. [illegible]
F.A.P. NO. I-[illegible]
MISSISSIPPI RIVER BRIDGE (LOWER)
MAIN RIVER CROSSING APPROACHES
ST. CHARLES PARISH

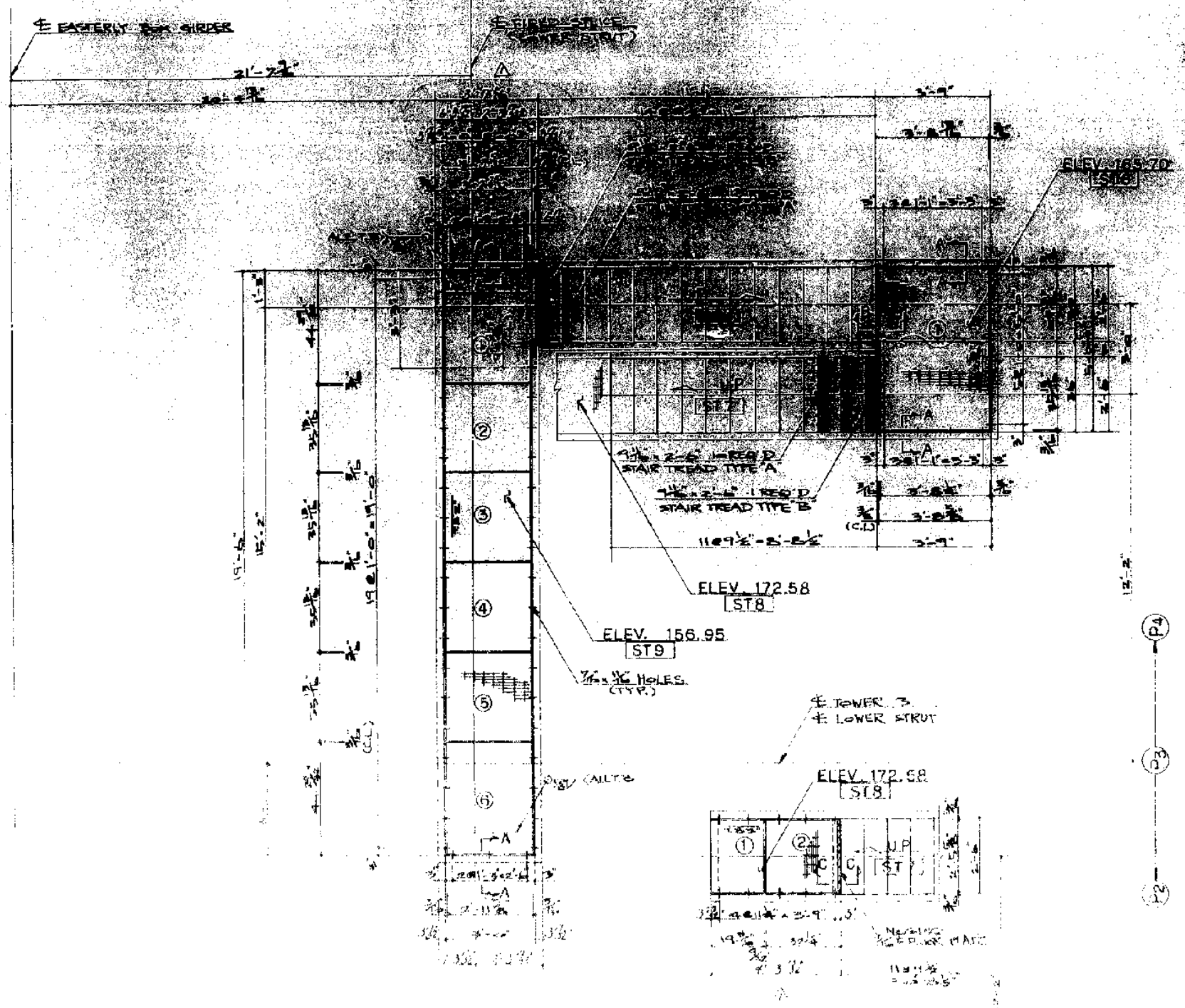
CONTRACTOR WILLIAMS BROS. CORP. OF GEORGIA
FABRICATOR SEWARD INDUSTRIES, INC.

SEC. A-A

NOTES:

1. For General notes, See Dwg. no. S-1
2. All materials used for Grating shall conform to ASTM-A36 and shall be galvanized after fabrication according to ASTM-A123.
3. Work with Dwg. No. S-72 thru. S-79. and S-502.

DETAILS OF ACCESS STAIR WAY AT TOWER 2



PLAN AT ELEV. 156.95 & 172.58
(ONE TOWER SHOWN ONLY)

DETAIL OF STAIR TREAD TYPE 'A'

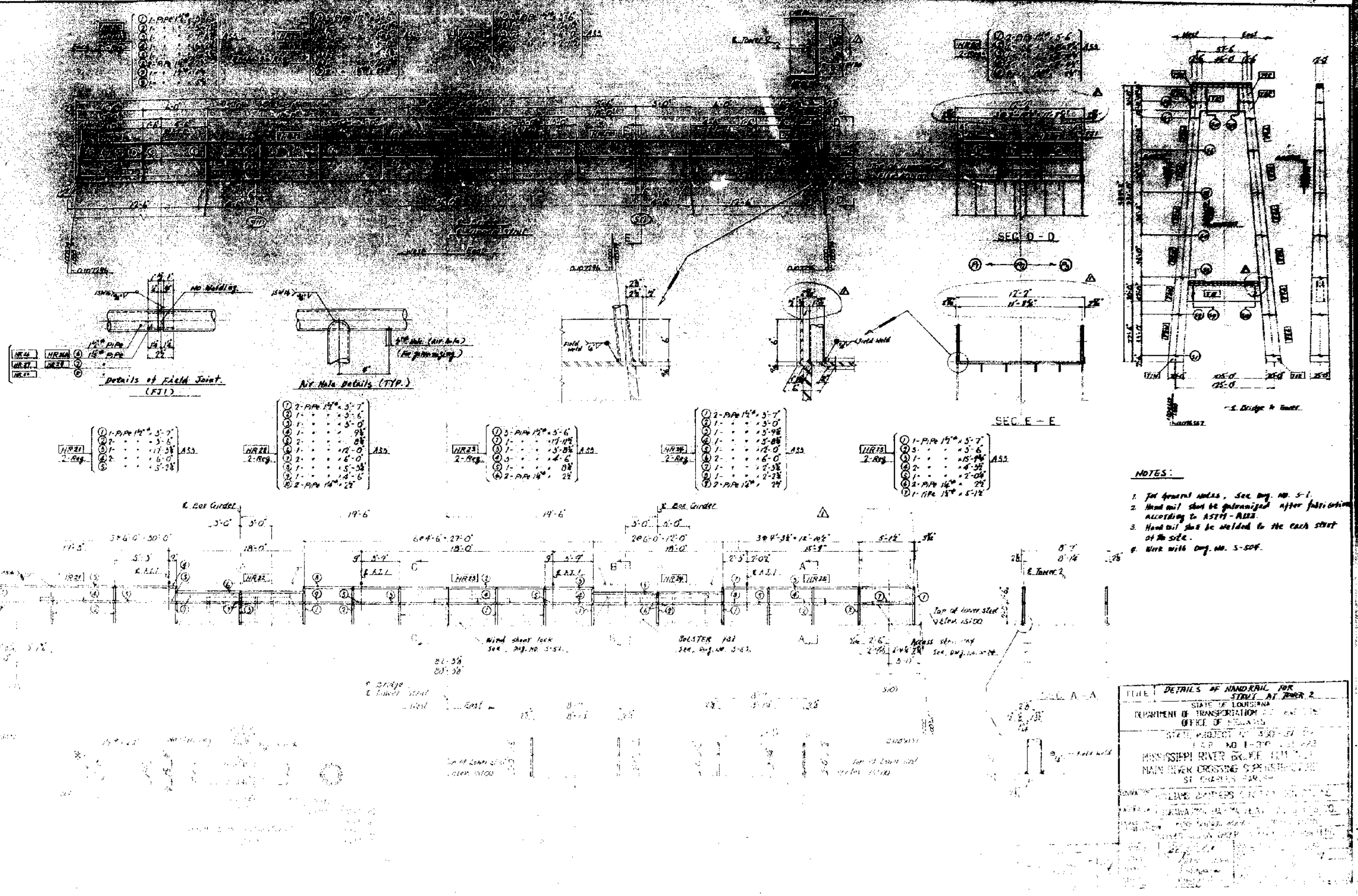
DETAIL OF STAIR TREAD TYPE 'B'

DETAIL OF GRATING PLATFORM

NOTES:

1. For general notes, see Dwg. No. S-1.
2. All materials used for grating shall conform to ASTM A-36. and shall be galvanized according to ASTM A-123.
3. Work with Dwg. No. S-12 thru S-19 and S-501.
4. Type of grating - Twisted 'J' Type (F.B 1"x⅜")
   closed end type (Belted end style)
5. Type of stair tread - Twisted 'JCB' type (F.B 1"x⅜")
   Belted end style with liner plate nothing.
6. Grating and stair tread no
   for ex: 3 - ST6 - 1 | 3 - ST5 - A
   Tower no. | Tower no.
   Block no. | Piece no. | Block no. | Piece no.

GRATING DETAILS OF ACCESS STAIRWAY AT TOWER 5



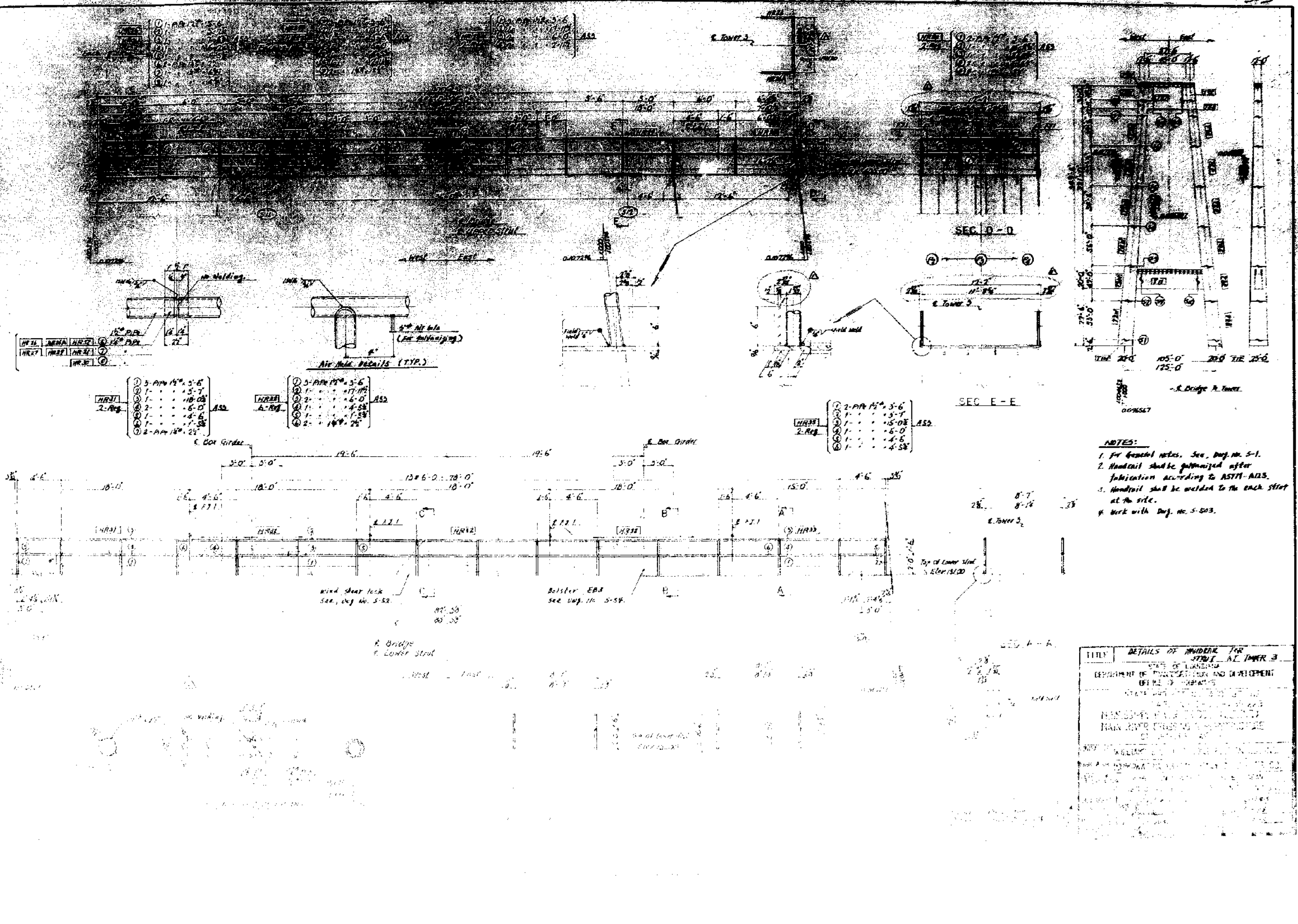
NOTES:

1. For general notes, See Dwg. No. S-1.
2. Hand rail shall be galvanized after fabrication according to ASTM - A123.
3. Hand rail shall be welded to the each steel of the side.
4. Work with Dwg. No. S-504.

TITLE: DETAILS OF HANDRAIL FOR STRUT AT TOWER 2

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS

STATE PROJECT NO. 450-54-01
F.A.P. NO. I-310
MISSISSIPPI RIVER BRIDGE (I-10)
MAIN RIVER CROSSING SUPERSTRUCTURE
ST. CHARLES PARISH


SEC. D - D
SEC. E - E
Air Hole Details (TYP.)
E. Box Girder
E. Tower 3
E. Bridge
E. Lower Strut
wind shear lock
see Dwg. No. S-52
Bolster EB3
see Dwg. No. S-54
Top of Lower Strut
Elev 15.20
E. Bridge N. Tower
NOTES:
1. For General notes, See Dwg. No. S-1.
2. Handrail shall be galvanized after fabrication according to ASTM-A123.
3. Handrail shall be welded to the each strut at the side.
4. Work with Dwg. No. S-503.
TITLE DETAILS OF HANDRAIL FOR STRUT A.E. TOWER 3
STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

BOTTOM INSTRUMENTATION PLATFORM BASE

AVIATION OBSTRUCTION BEACON

6" ϕ VENTILATION PIPE

SEC. B - B

SEC. C - C

E6-1

1	2-Ls. 200×100×15	Cut from L 200×200×15 (A588)
2	2-Pls. 5⅜" × 14" × 1'-3"	
3	4-Pls. 6⅞" × ⅜" × 7"	
4	8-Pls. 4" × ⅜" × 7⅝"	
5	4-Pls. 4" × ⅜" × 6⅝"	
6	12-H.S.B. ¾" ϕ × 2½" (A325 TYPE 3)	

The top grill bar position at platform is moved 3" up.

The height of channels is 250 mm (9⅞"). It was 10". We maintain 9⅞". Dimension of S-51 shop drawing will be changed from 10" to 9⅞".

Tack Weld.

1	1-Pipe 6" ϕ × 4'-10⅝" (A53)	
2	1-R 12⅝" × ¾" (A588)	Galvanize
3	1-12⅝" × ¼" (Neoprene Gasket)	
4	1-Wire Mesh (10 GA 2" Mesh size of wire)	Galvanize
5	6-H.S.B. ¾" ϕ × 3" (A325 TYPE 3)	

1	1-L 250×90×9" × 1'-0" (A588)	Galvanize
2	1-R 13" × 2" (A588)	
3	4-Pls 1¾" × 5" × 10" (A588)	
4	1-Safety Step 6" × 5'-5½" (A53)	
5	4-H.S.B. ¾" ϕ × 1½" (with lock washer) (A325 TYPE 3)	

NOTES:

1. For General Notes, See Dwg. No. S-1.
2. All materials shown on this drawing shall conform to ASTM - A588 unless otherwise noted.
3. Ventilation Pipe and Obstruction Beacon shall be galvanized after fabrication according to ASTM - A123.
4. Substitution of Steps (⚠ Denotes substituted steps)

Original Shape	Substituted Shape
L 8" × 4" × ⅝" (ASTM A588)	Cut from L 200×200×15 (ASTM A588)
4" EXTRA STRONG STEEL PIPE. (ASTM - A588)	SAME (ASTM A53 + Galvanize)
MC 10×21.9 (ASTM - A588)	[250×90×7 mm (ASTM A588)

5. Work with Dwg. No. S-49 thru S-51. (Covers upper strut T10)

MISCELLANEOUS ON TOWER TOP (T10)

PLAN OF SCREEN

Scale: 1" = 1'-0"

Reqd. No. 506 (Max.)
1% (Spare)
Total 600 sets

① 1-Frame 4"x 2½" (Sus 304)

② 4 Clips (Stainless steel #16 gage clip)

③ Stainless steel Screen #16 gage wire (Sus 304)

℄ of Screen & Deck Rib

℄ of Screen & Field Splice

23 @ 8" = 15'-4"

12'-5" (3920 mm)

SEC. A-A

Scale: 3"=1'

℄ of Deck Rib

4" (Wash hole)

Face weld

HANDHOLE OF DECK RIB

Scale: 2"=1'-0"

℄ of Field Splice

Wire Screen

¼ Max. gap

Deck Rib

(For ribs outside the main box girder)

SNAP ON CLIP DETAIL

Scale: 3" = 1"

(Stainless steel #16 gage clip.)

② 4 - Clips 10" x 1.52" x 1" (Sus 304)

℄ 4"ϕ Screen Frame

Face weld

WIRE END

Bend wire 1½ turns (min.) around frame

4"ϕ Frame

#16 gage wire

NOTES:

1. For general notes, see Dwg. No. S-1.
2. For deck ribs outside the main box girder, a stainless steel screen shall be used.

T.L.E.	SCREEN DETAIL
	STATE OF LOUISIANA
	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
	OFFICE OF HIGHWAYS
	STATE PROJECT NO. 451-07-02
	F.A.P. NO. I-10-4(35)223
	MISSISSIPPI RIVER BRIDGE (I-10 BND)
	MAIN RIVER CROSSING SUPERSTRUCTURE
	ST. CHARLES PARISH
CONTRACTORS	WILLIAMS BROTHERS CONSTRUCTION CO., INC.
FABRICATOR	ISHIKAWAJIMA HARIMA HEAVY INDUSTRIES CO.
	MAYE SHIPYARD WORKS
	BRIDGE DESIGN & DETAIL PREPARED BY MODJESKI AND MASTERS
APPROVED	DATE
	DATE