

2.2.4 Basic Design Drawing

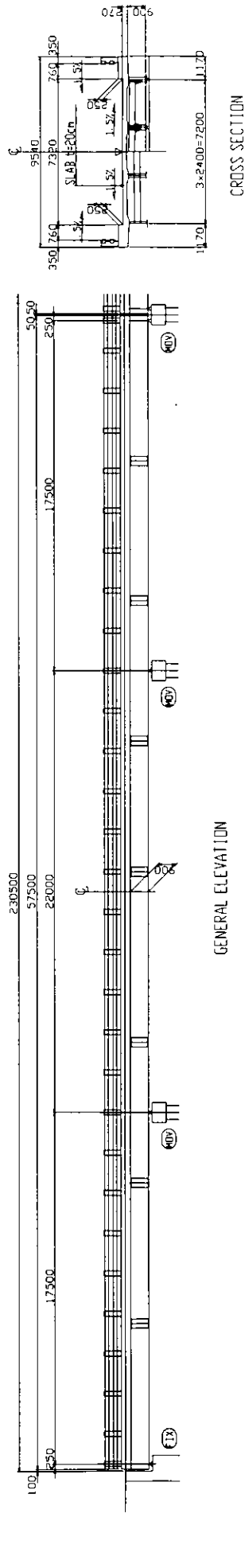
2.2.4.1 Group 1 Bridges

The basic design drawings are listed as follows:

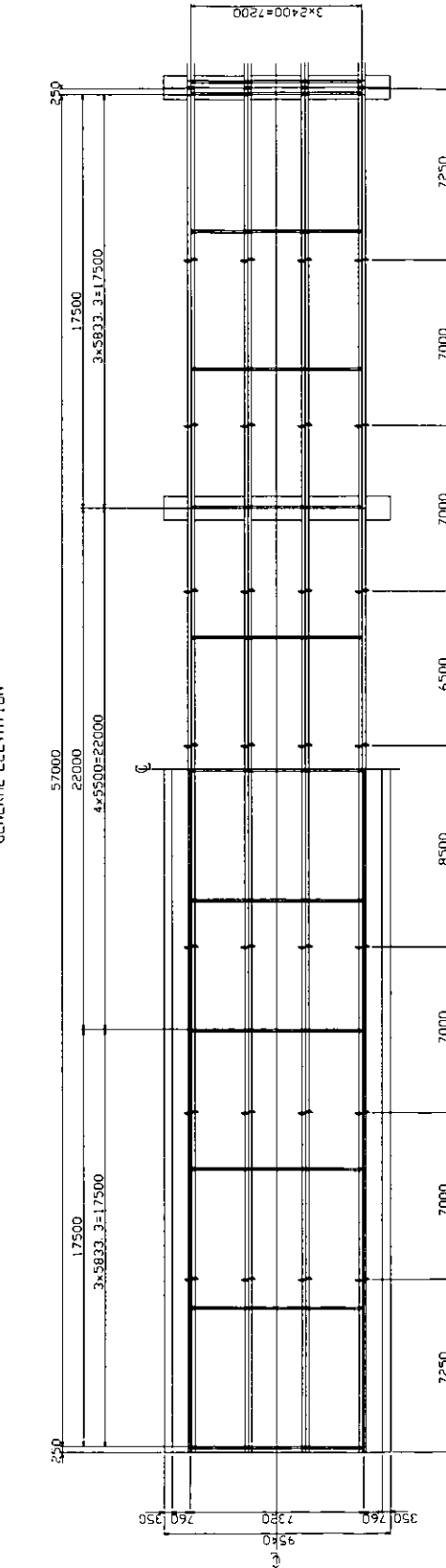
Figure 2.2.4.1-1	:	01-01-01	Gasgas Bridge (General View)
Figure 2.2.4.1-2	:	01-01-01	Gasgas Bridge (Structural Drawing)
Figure 2.2.4.1-3	:	01-02-01	San Gasper II Bridge (General View)
Figure 2.2.4.1-4	:	01-02-01	San Gasper II Bridge (Structural Drawing)
Figure 2.2.4.1-5	:	01-02-04	Victory Bridge (General View)
Figure 2.2.4.1-6	:	01-02-04	Victory Bridge (Structural Drawing)
Figure 2.2.4.1-7	:	01-03-03	Suyo Bridge (General View)
Figure 2.2.4.1-8	:	01-03-03	Suyo Bridge (Structural Drawing)
Figure 2.2.4.1-9	:	01-04-02	Baracbac Bridge (General View)
Figure 2.2.4.1-10	:	01-04-02	Baracbac Bridge (Structural Drawing)
Figure 2.2.4.1-11	:	01-04-05	Malanay-Tuliao Bridge (General View)
Figure 2.2.4.1-12	:	01-04-05	Malanay-Tuliao Bridge (Structural Drawing)
Figure 2.2.4.1-13	:	01-04-06	Paitan Bridge (General View)
Figure 2.2.4.1-14	:	01-04-06	Paitan Bridge (Structural Drawing)
Figure 2.2.4.1-15	:	02-01-10	Pacapat Bridge (General View)
Figure 2.2.4.1-16	:	02-01-10	Pacapat Bridge (Structural Drawing)
Figure 2.2.4.1-17	:	02-01-11	Pena Weste Bridge (General View)
Figure 2.2.4.1-18	:	02-01-11	Pena Weste Bridge (Structural Drawing)
Figure 2.2.4.1-19	:	02-01-12	Sta. Isabel Bridge (General View)
Figure 2.2.4.1-20	:	02-01-12	Sta. Isabel Bridge (Structural Drawing)
Figure 2.2.4.1-21	:	02-02-03	Casili Bridge (General View)
Figure 2.2.4.1-22	:	02-02-03	Casili Bridge (Structural Drawing)
Figure 2.2.4.1-23	:	02-02-04	Dalig Bridge (General View)
Figure 2.2.4.1-24	:	02-02-04	Dalig Bridge (Structural Drawing)
Figure 2.2.4.1-25	:	02-02-07	Sinippil Bridge (General View)
Figure 2.2.4.1-26	:	02-02-07	Sinippil Bridge (Structural Drawing)
Figure 2.2.4.1-27	:	02-03-03	Gattac Bridge (General View)
Figure 2.2.4.1-28	:	02-03-03	Gattac Bridge (Structural Drawing)
Figure 2.2.4.1-29	:	02-03-04	Inaban Bridge (General View)
Figure 2.2.4.1-30	:	02-03-04	Inaban Bridge (Structural Drawing)
Figure 2.2.4.1-31	:	02-03-06	Runruno Bridge (General View)
Figure 2.2.4.1-32	:	02-03-06	Runruno Bridge (Structural Drawing)
Figure 2.2.4.1-33	:	02-04-01	Angad Bridge (General View)
Figure 2.2.4.1-34	:	02-04-01	Angad Bridge (Structural Drawing)
Figure 2.2.4.1-35	:	02-04-02	Balligui Bridge (General View)
Figure 2.2.4.1-36	:	02-04-02	Balligui Bridge (Structural Drawing)
Figure 2.2.4.1-37	:	02-04-06	Dumabato Bridge (General View)
Figure 2.2.4.1-38	:	02-04-06	Dumabato Bridge (Structural Drawing)
Figure 2.2.4.1-39	:	02-04-10	Nagtim-Og Bridge (General View)
Figure 2.2.4.1-40	:	02-04-10	Nagtim-Og Bridge (Structural Drawing)

Figure 2.2.4.1-41	:	CA-01-03	Lublubnak Bridge (General View)
Figure 2.2.4.1-42	:	CA-01-03	Lublubnak Bridge (Structural Drawing)
Figure 2.2.4.1-43	:	CA-01-05	Naguilian Bridge (General View)
Figure 2.2.4.1-44	:	CA-01-05	Naguilian Bridge (Structural Drawing)
Figure 2.2.4.1-45	:	CA-01-06	Palaquio Bridge (General View)
Figure 2.2.4.1-46	:	CA-01-06	Palaquio Bridge (Structural Drawing)
Figure 2.2.4.1-47	:	CA-02-07	Galap I Bridge (General View)
Figure 2.2.4.1-48	:	CA-02-07	Galap I Bridge (Structural Drawing)
Figure 2.2.4.1-49	:	CA-03-02	Habbang Bridge (General View)
Figure 2.2.4.1-50	:	CA-03-02	Habbang Bridge (Structural Drawing)
Figure 2.2.4.1-51	:	CA-04-01	Dao Bridge (General View)
Figure 2.2.4.1-52	:	CA-04-01	Dao Bridge (Structural Drawing)
Figure 2.2.4.1-53	:	CA-04-02	Magabbangon Bridge (General View)
Figure 2.2.4.1-54	:	CA-04-02	Magabbangon Bridge (Structural Drawing)
Figure 2.2.4.1-55	:	CA-04-04	Manglig Bridge (General View)
Figure 2.2.4.1-56	:	CA-04-04	Manglig Bridge (Structural Drawing)
Figure 2.2.4.1-57	:	CA-04-08	Tuga Bridge (General View)
Figure 2.2.4.1-58	:	CA-04-08	Tuga Bridge (Structural Drawing)
Figure 2.2.4.1-59	:	CA-04-12	Salagunting Bridge (General View)
Figure 2.2.4.1-60	:	CA-04-12	Salagunting Bridge (Structural Drawing)
Figure 2.2.4.1-61	:	CA-05-02	Amolong Bridge (General View)
Figure 2.2.4.1-62	:	CA-05-02	Amolong Bridge (Structural Drawing)
Figure 2.2.4.1-63	:	CA-05-05	Lubo Bridge (General View)
Figure 2.2.4.1-64	:	CA-05-05	Lubo Bridge (Structural Drawing)
Figure 2.2.4.1-65	:	CA-05-06	Masablang II Bridge (General View)
Figure 2.2.4.1-66	:	CA-05-06	Masablang II Bridge (Structural Drawing)

STRUCTURAL DRAWING



GENERAL ELEVATION



GENERAL PLAN

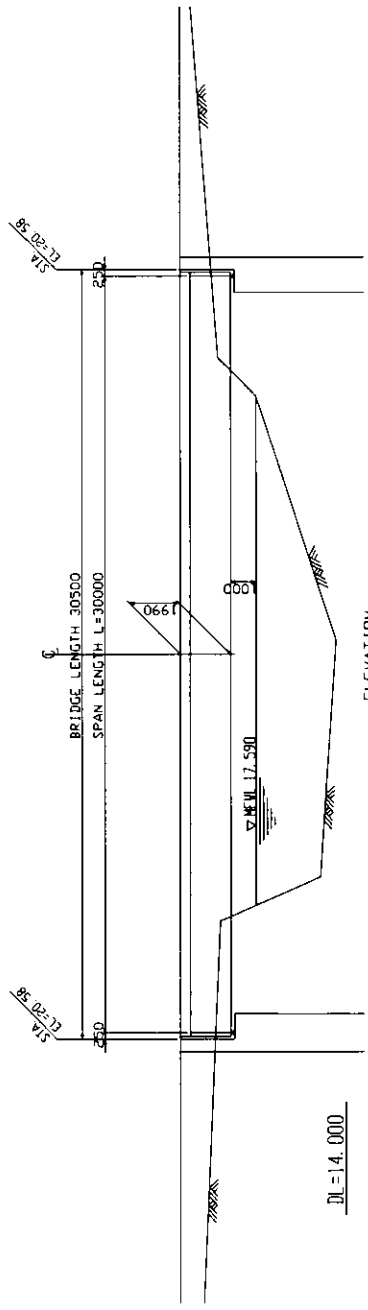
DESIGN CRITERIA

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THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - B. STEEL 77.00 kN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN+21.4kN+21.4kN
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IMPLANT.

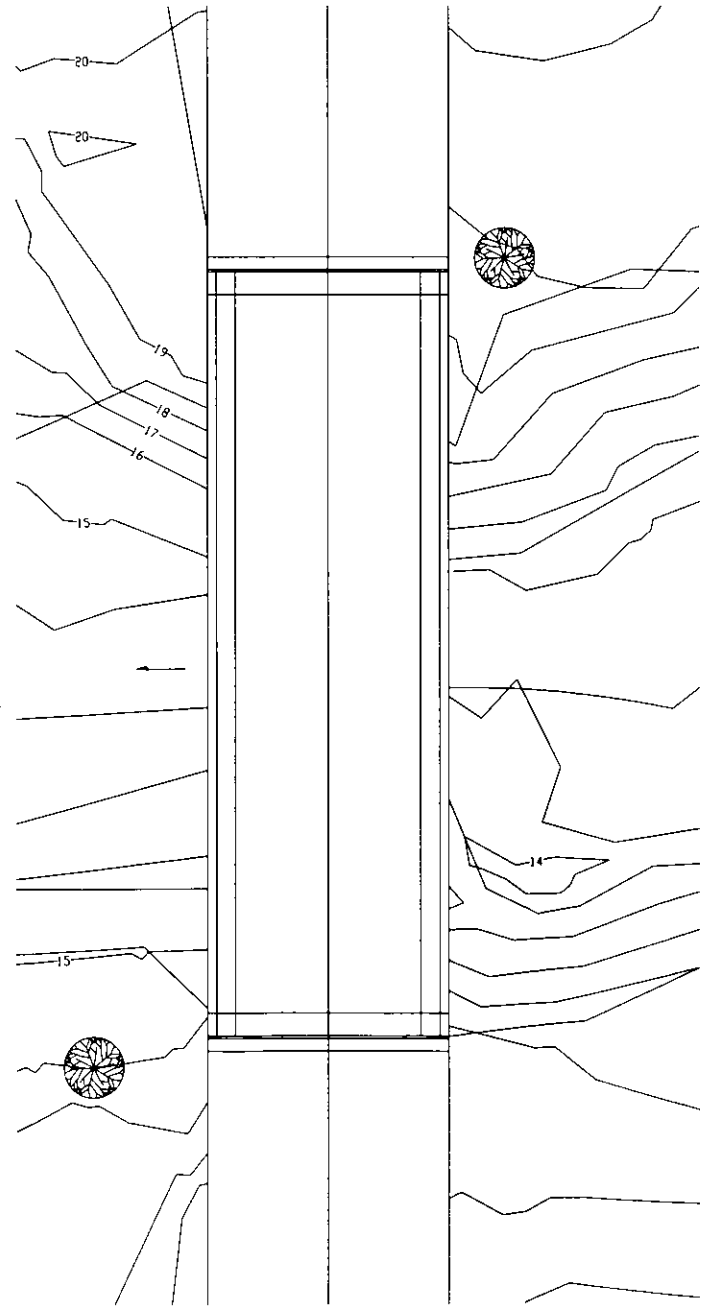
01-01-01	GASGAS
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-2 01-01-01 GASGAS BRIDGE (STRUCTURAL DRAWING)

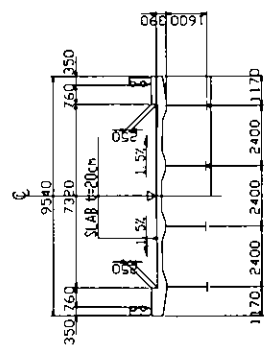
GENERAL VIEW



ELEVATION



PLAN



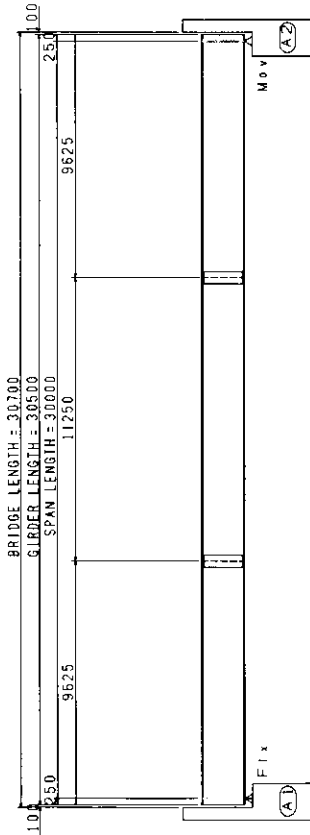
CROSS SECTION

01-02-01	Sun Gasper II
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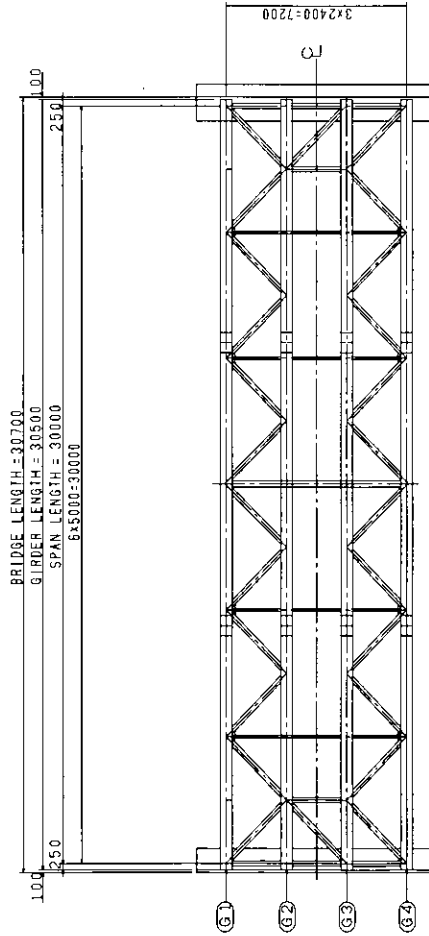
FIGURE 2.2.4.1-3 01-02-01 SAN GASPER II BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

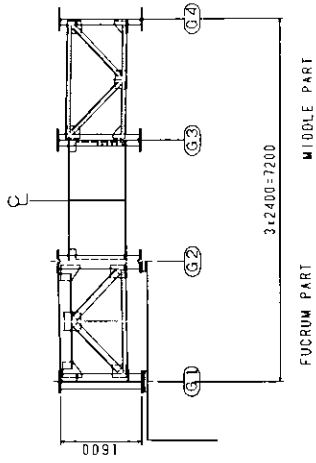
ELEVATION



PLAN



CROSS SECTION



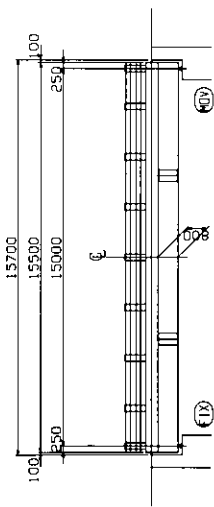
DESIGN CRITERIA

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 - CONCRETE 24,00KN/m³
 - STEEL 77,00KN/m³
 - LIVE LOAD
 - PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116KN+214KN+214KN+214KN
 - SIDEWALK LOAD 4,07 KN/m²
 - IMPACT
 IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

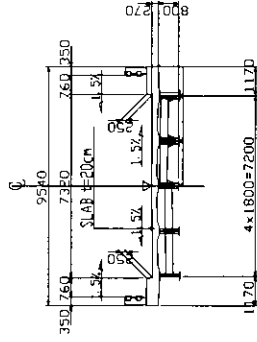
01-02-01	Sun Gosper II
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-4 01-02-01 SAN GASPER II BRIDGE (STRUCTURAL DRAWING)

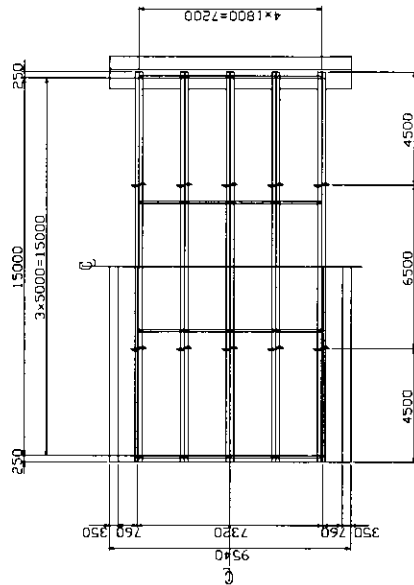
STRUCTURAL DRAWING



GENERAL ELEVATION



CROSS SECTION



GENERAL PLAN

DESIGN CRITERIA

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 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN(21.4kN)(21.4kN)(21.4kN)
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

01-02-04	Victory -
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-6 01-02-04 VICTORY BRIDGE (STRUCTURAL DRAWING)

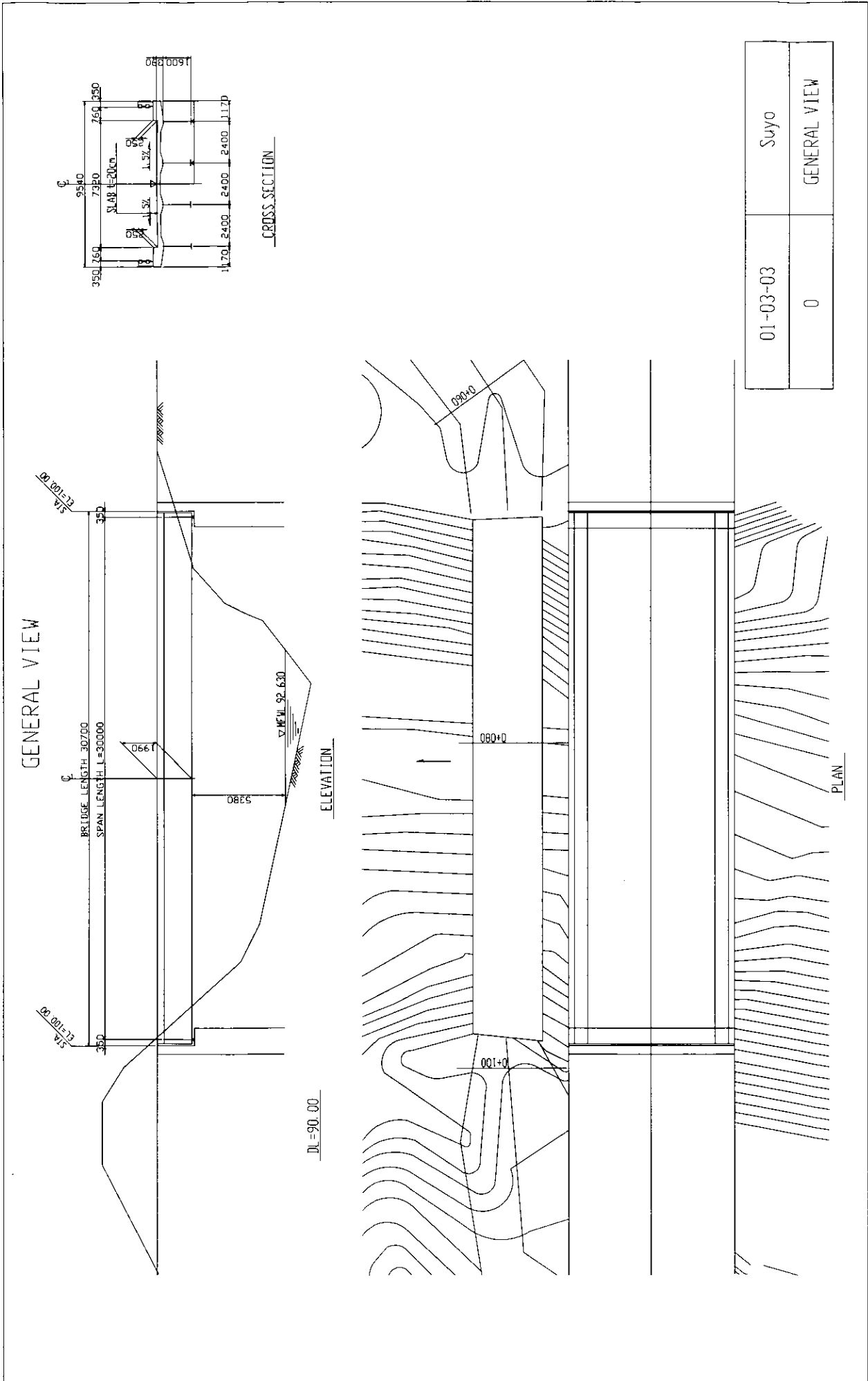
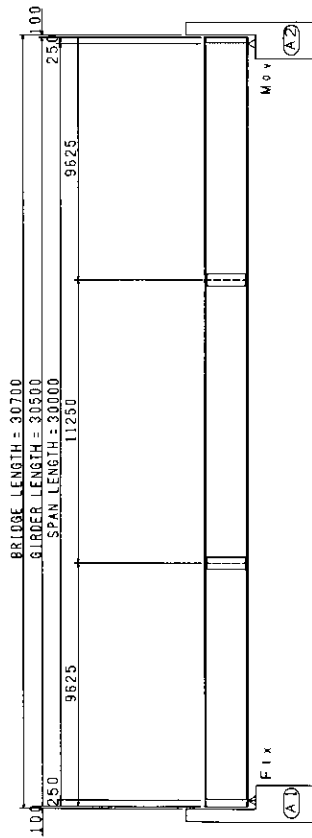


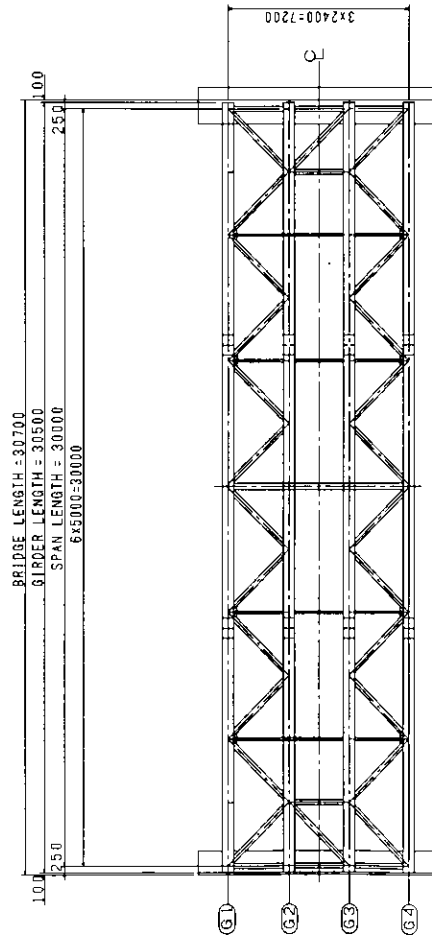
FIGURE 2.2.4.1-7 01-03-03 SUYO BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

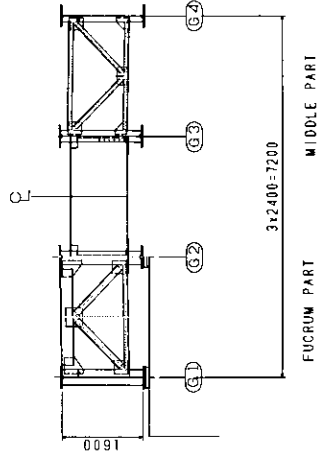
ELEVATION



PLAN



CROSS SECTION



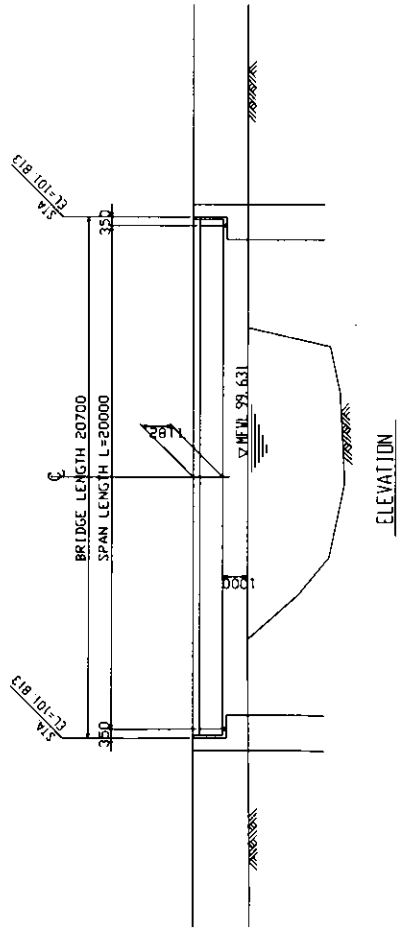
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 - B. STEEL 77.00KN/m³
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 11.6KN/2.14M+2.14M+2.14M
 - B. SIDEWALK LOAD 4.07 KN/M²
 - 2.3 IMPACT
3. DRAWING
 IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANT.

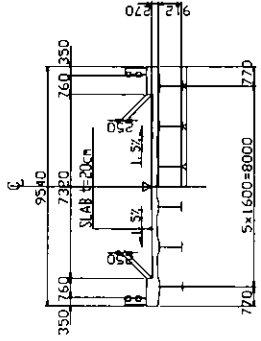
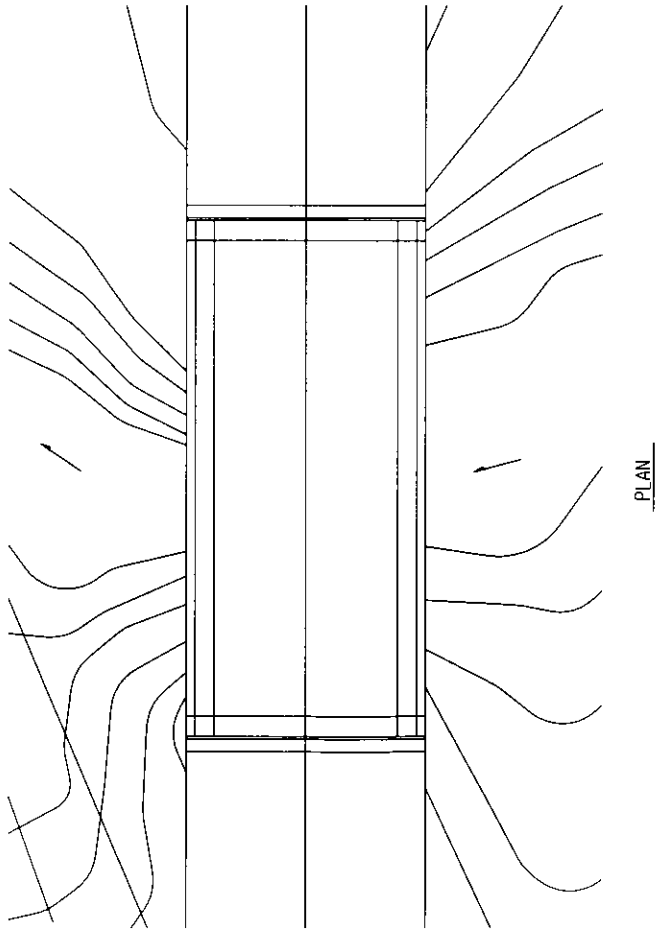
01-03-03	Suyo
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-8 01-03-03 SUYO BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW



ELEVATION

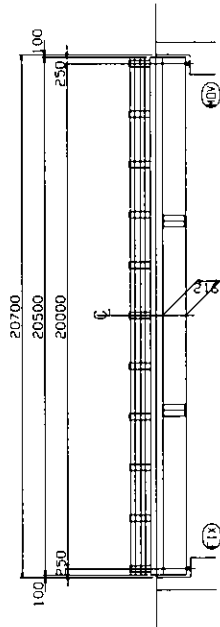


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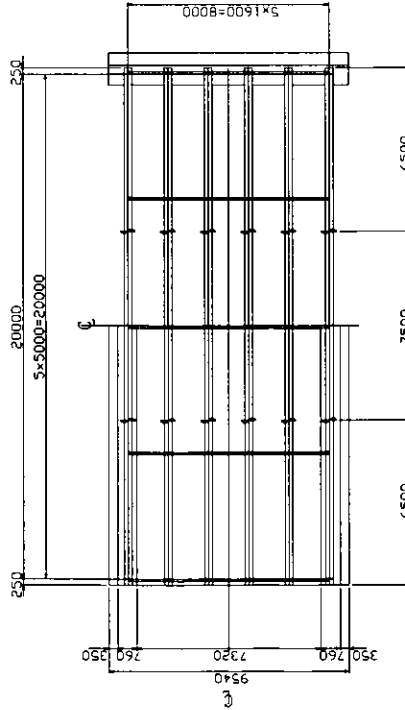
01-04-02	Baracbac
0	GENERAL VIEW

FIGURE 2.2.4.1-9 01-04-02 BARACBAC BRIDGE (GENERAL VIEW)

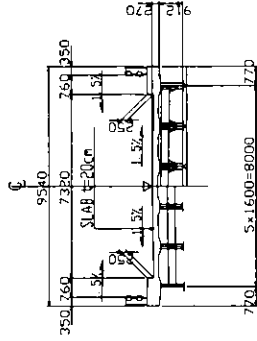
STRUCTURAL DRAWING



GENERAL ELEVATION



GENERAL PLAN



CROSS SECTION

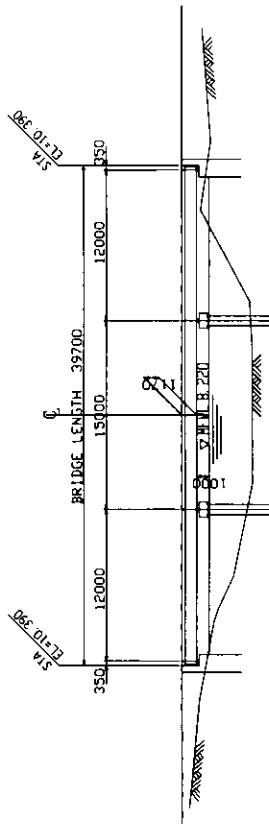
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 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
3. DRAWING
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IMPLANT.

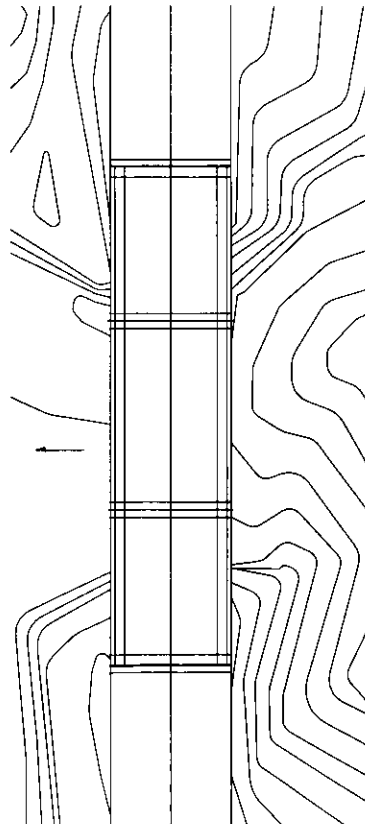
01-04-02	Baracbac
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-10 01-04-02 BARACBAC BRIDGE (STRUCTURAL DRAWING)

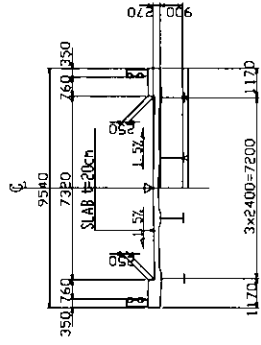
GENERAL VIEW



ELEVATION



PLAN

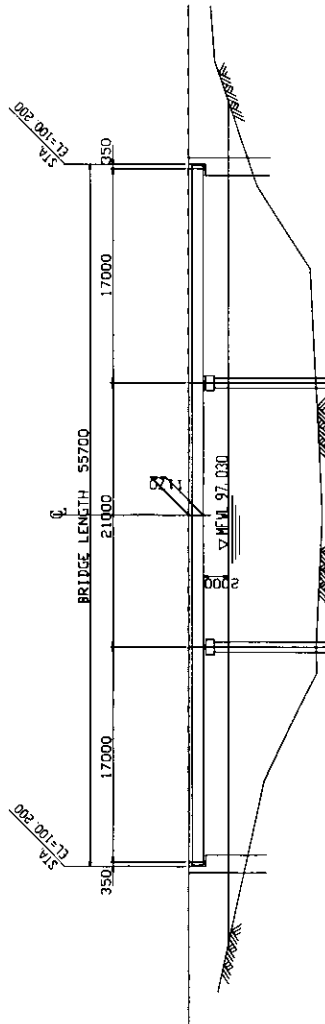


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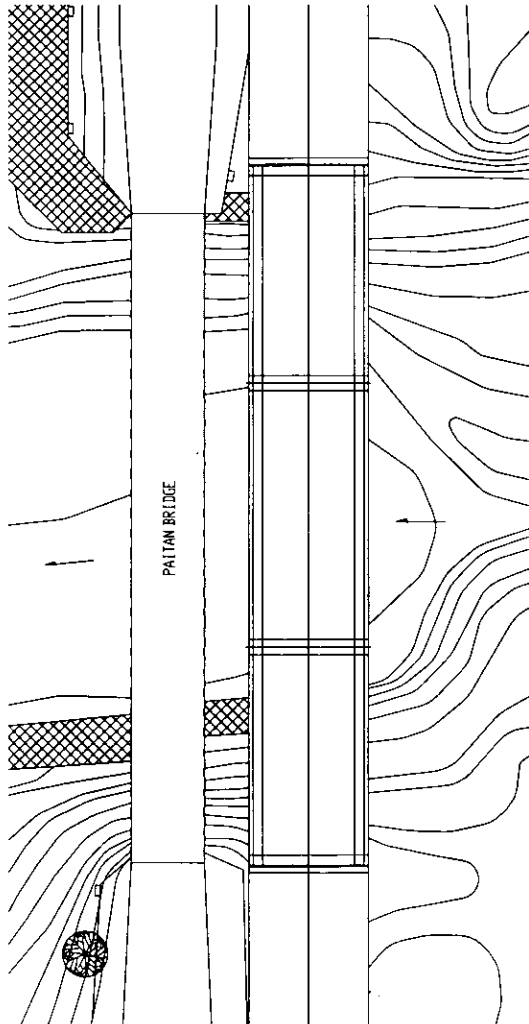
01-04-05	Malanay-Turiao
0	GENERAL VIEW

FIGURE 2.4.1-11 01-04-05 MALANAY-TURIAO BRIDGE (GENERAL VIEW)

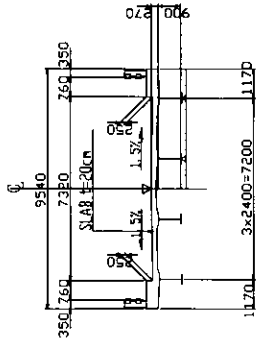
GENERAL VIEW



ELEVATION



PLAN

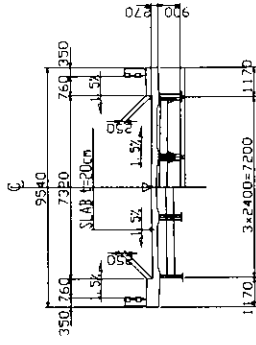


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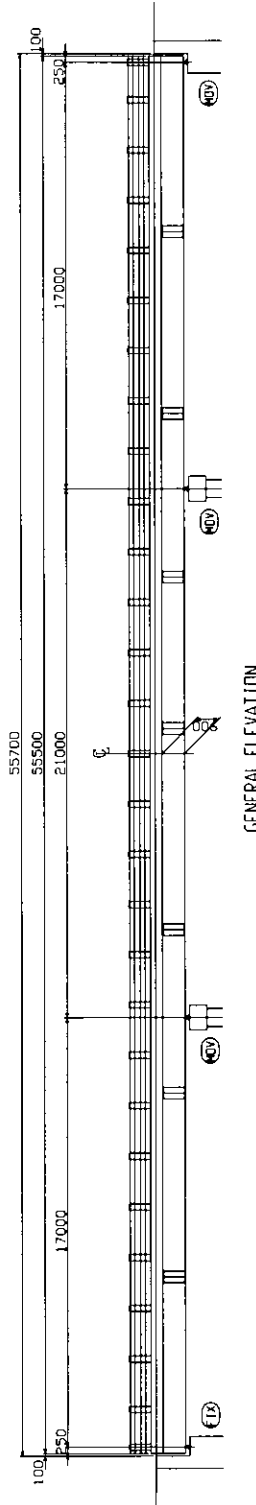
01-04-06	Paitan
0	GENERAL VIEW

FIGURE 2. 4. 1-13 01-04-06 PAITAN BRIDGE (GENERAL VIEW)

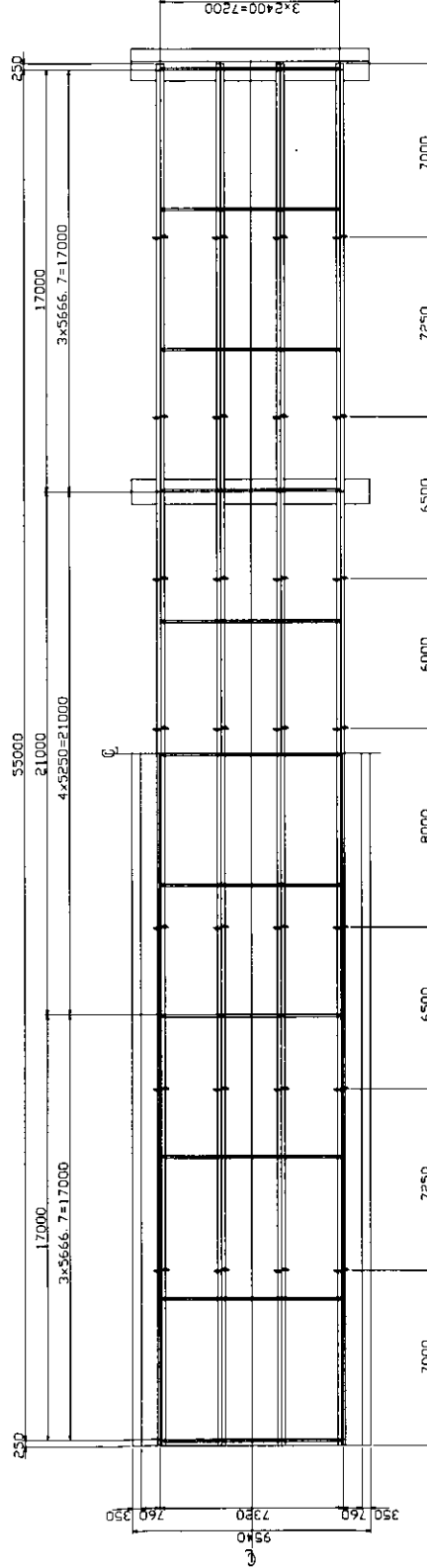
STRUCTURAL DRAWING



CROSS SECTION



GENERAL ELEVATION



GENERAL PLAN

DESIGN CRITERIA

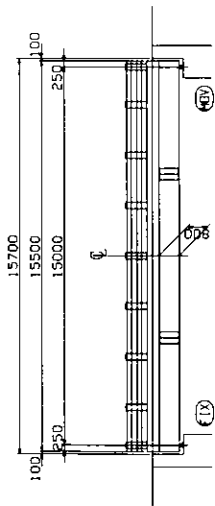
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 - B. SIDEWALK LOAD 4.07 kN/m²
- 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC. DRAWING
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

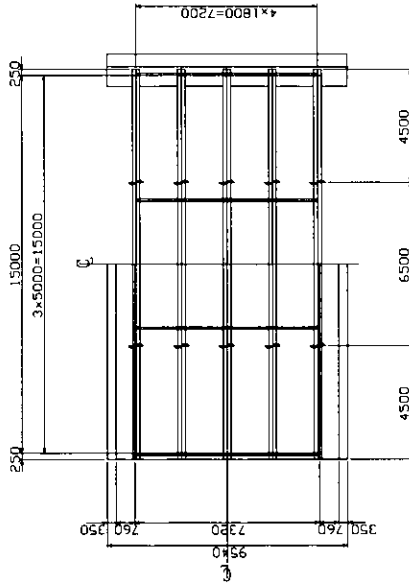
01-04-06	Pa i t a n
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-14 01-04-06 PAITAN BRIDGE (STRUCTURAL DRAWING)

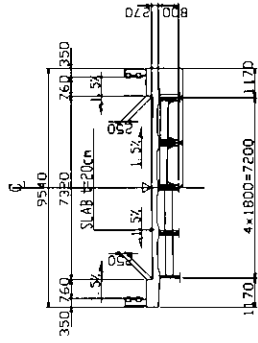
STRUCTURAL DRAWING



GENERAL ELEVATION



GENERAL PLAN



CROSS SECTION

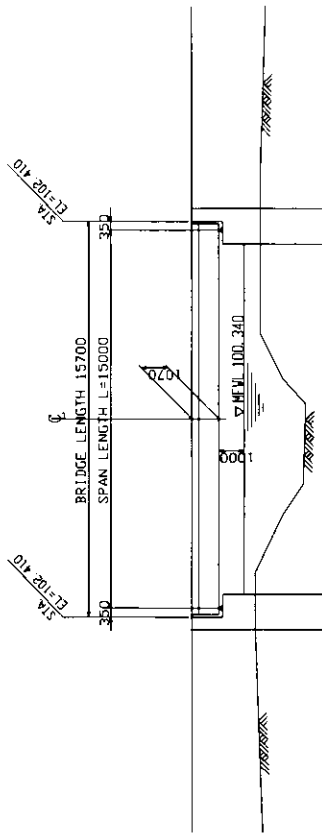
DESIGN CRITERIA

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 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
 3. DRAWING
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
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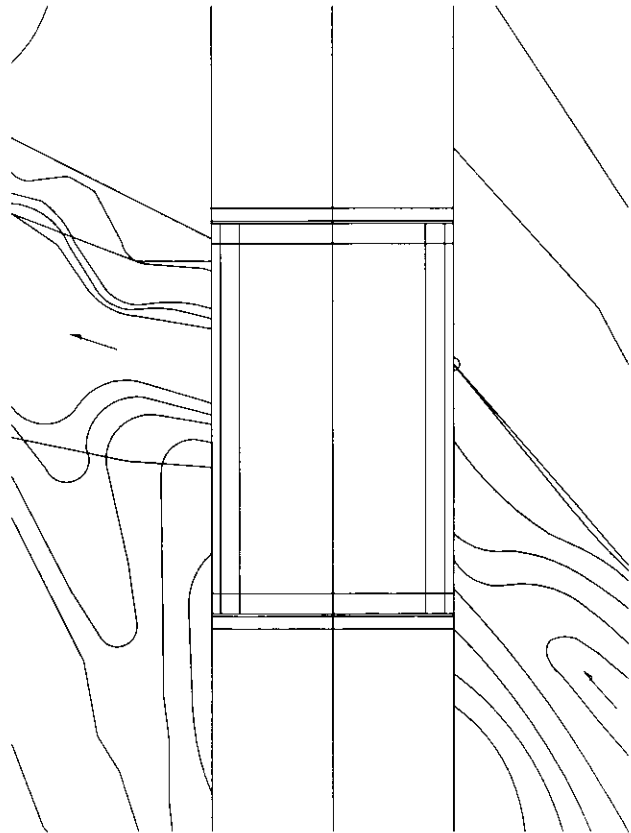
02-01-11	Pena Weste
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-18 02-01-11 PENA WESTE BRIDGE (STRUCTURAL DRAWING)

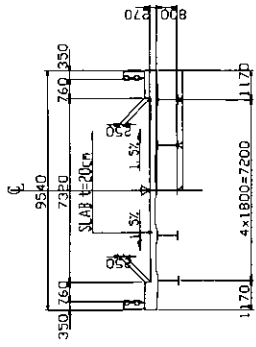
GENERAL VIEW



ELEVATION



PLAN

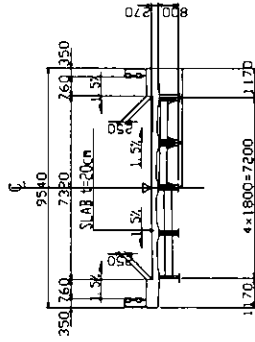


CROSS SECTION

02-01-12	Sta. Isabel
0	GENERAL VIEW

FIGURE 2.2.4.1-19 02-01-12 STA. ISABEL BRIDGE (GENERAL VIEW)

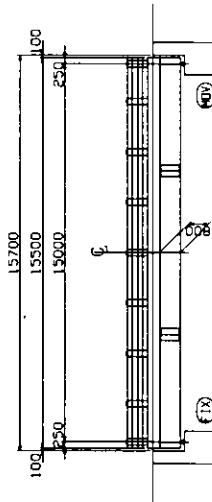
STRUCTURAL DRAWING



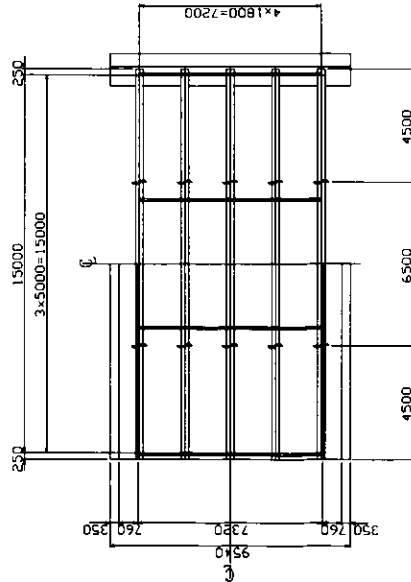
CROSS SECTION

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 - B. STEEL 77.00 kN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 11.6kN x 21.4kN + 21.4kN
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
 3. DRAWING
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
- ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.



GENERAL ELEVATION

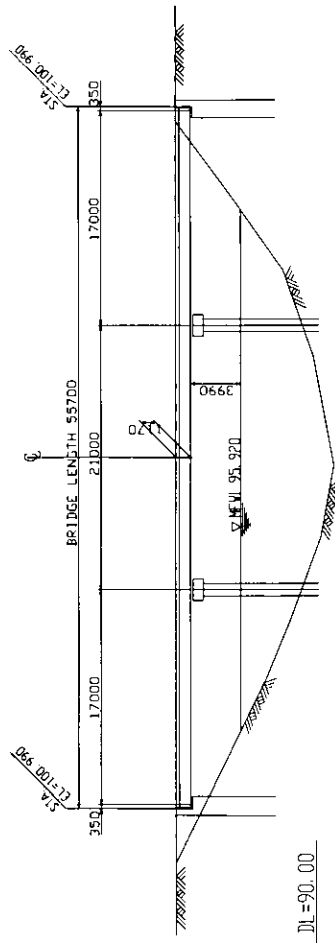


GENERAL PLAN

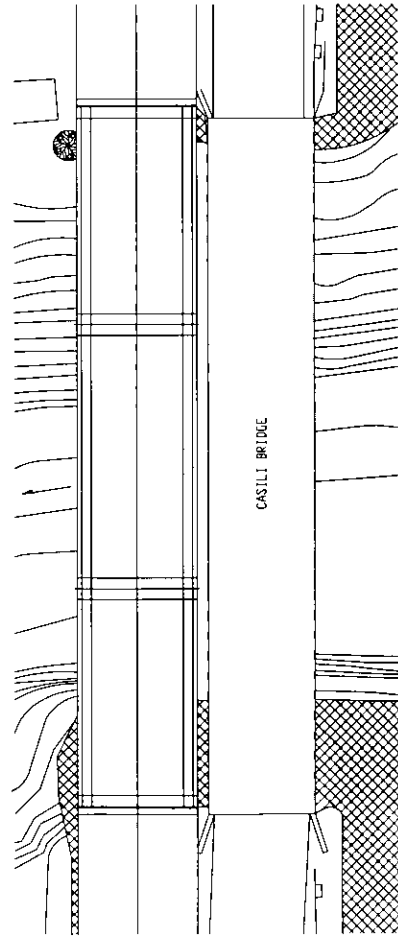
02-01-12	Sta. Isabel
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-20 02-01-12 STA. ISABEL BRIDGE (STRUCTURAL DRAWING)

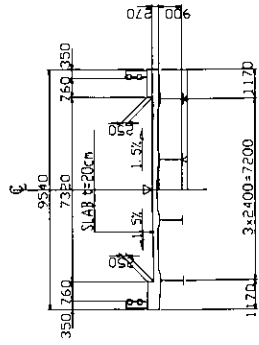
GENERAL VIEW



ELEVATION



PLAN

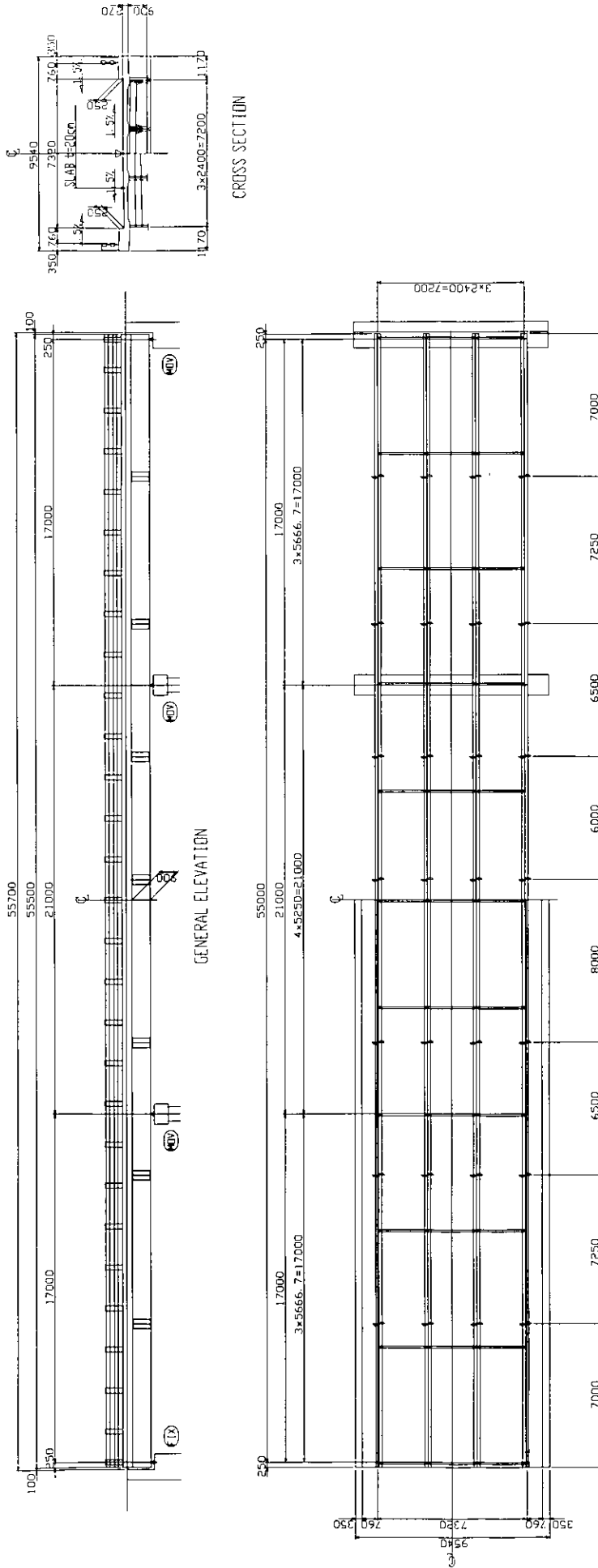


CROSS SECTION

02-02-03	Casili
0	GENERAL VIEW

FIGURE 2.2.4.1-21 02-02-03 CASILI BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING



DESIGN CRITERIA

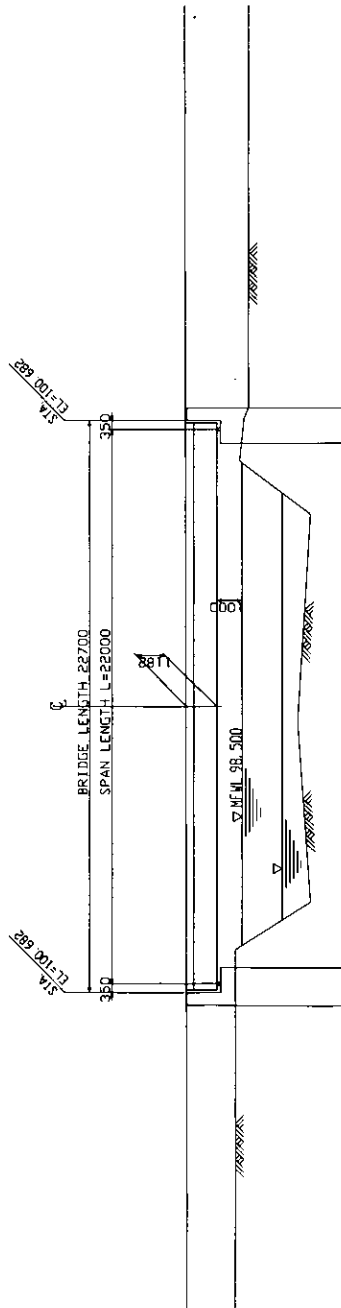
1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16 EDITION, 1996.
2. DESIGN LOAD
A. CONCRETE 24.00 kN/m³
B. STEEL 77.00 kN/m³

2. LIVE LOAD
A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 1.6kN+2.4kN+2.4kN+2.4kN
B. SIDEWALK LOAD 4.07 kN/m²
- 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

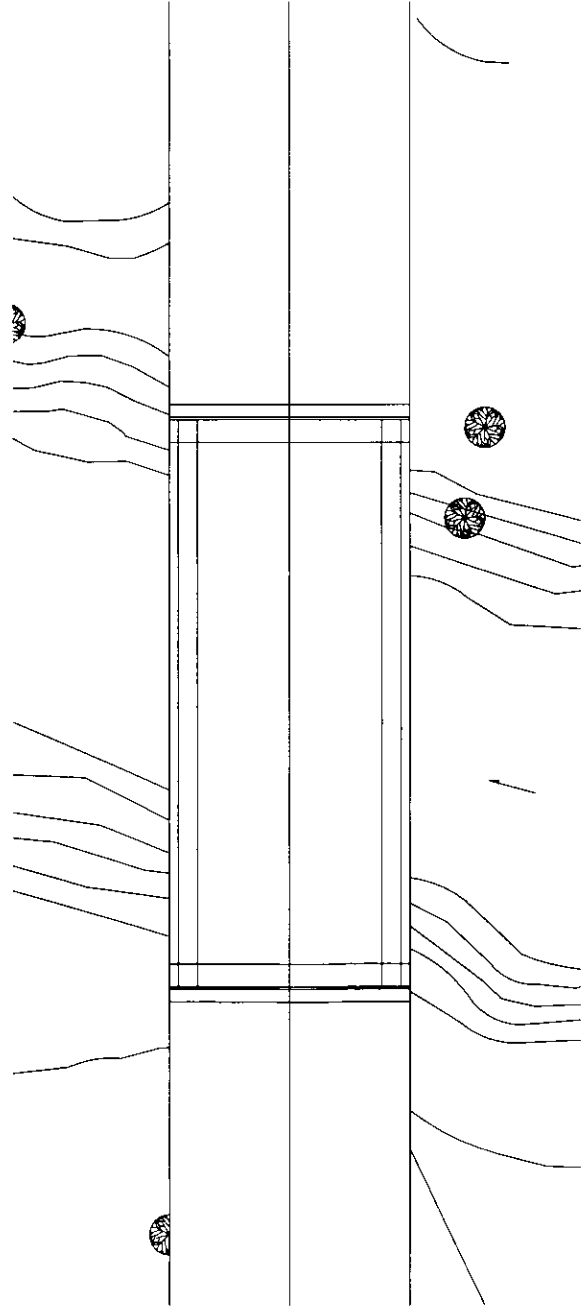
02-02-03	Costli
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-22 02-02-03 CASILI BRIDGE (STRUCTURAL DRAWING)

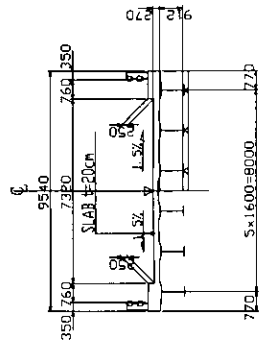
GENERAL VIEW



ELEVATION



PLAN

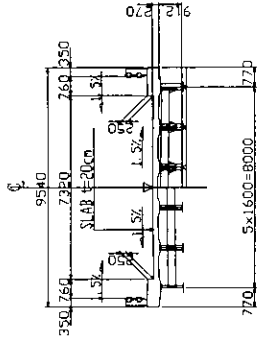


CROSS SECTION

02-02-04	Dalig
0	GENERAL VIEW

FIGURE 2.2.4.1-23 02-02-04 DALIG BRIDGE (GENERAL VIEW)

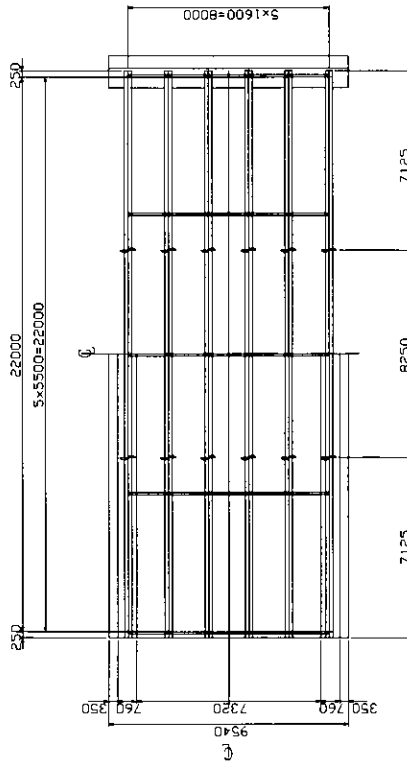
STRUCTURAL DRAWING



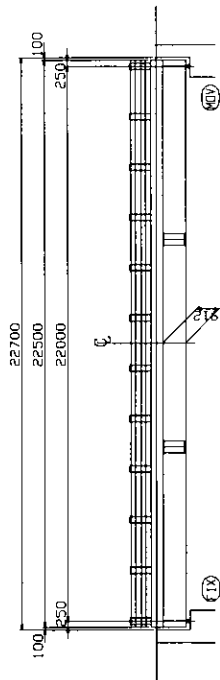
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
- 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - B. STEEL 77.00 kN/m²
- 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN/214kN+214kN+214kN
 - B. SIDEWALK LOAD 4.07 kN/m²
- 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.



GENERAL PLAN

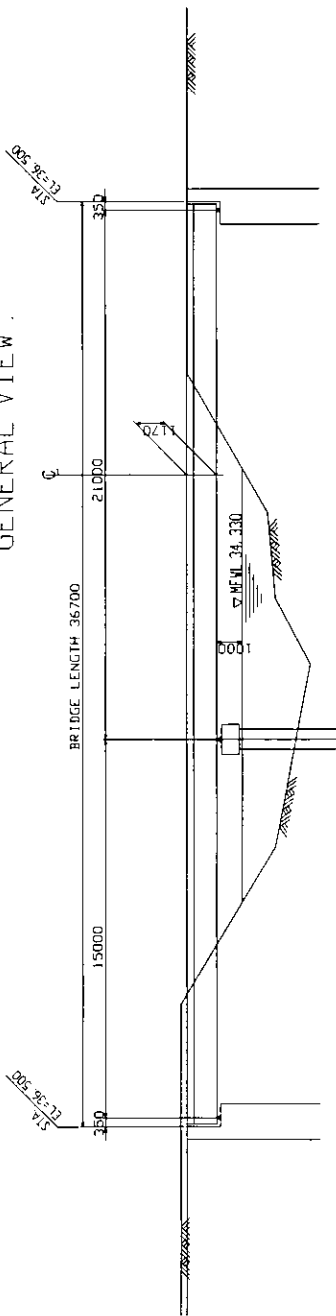


GENERAL ELEVATION

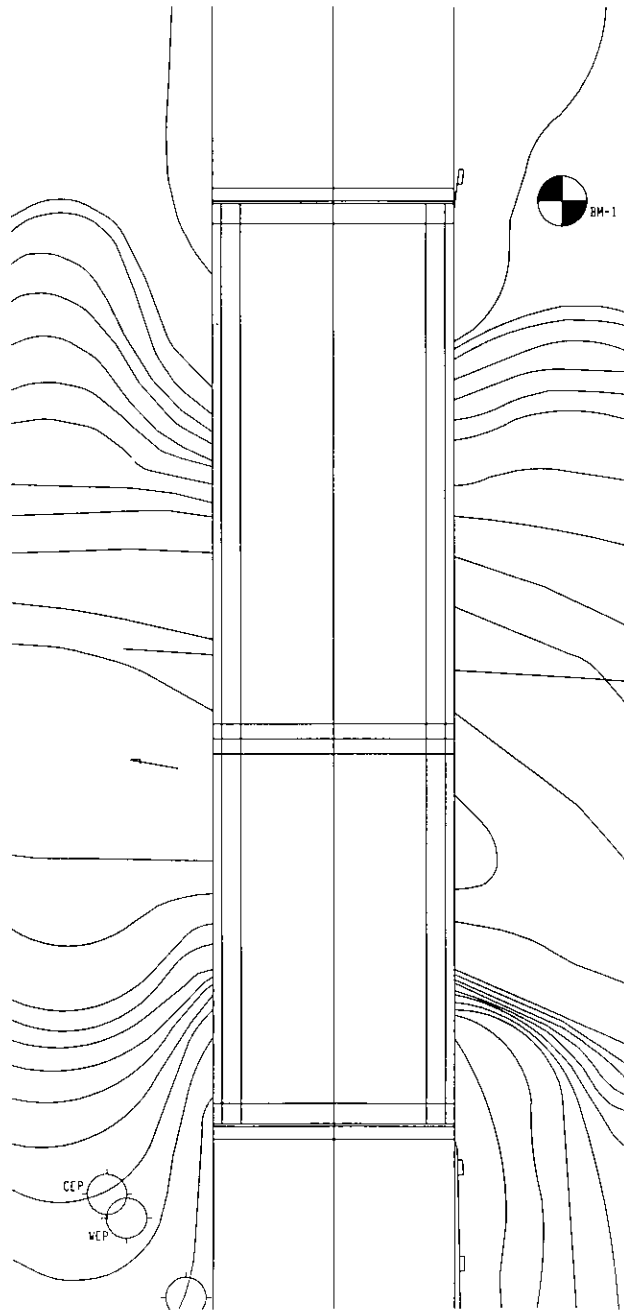
02-02-04	Dalig
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-24 02-02-04 DALIG BRIDGE (STRUCTURAL DRAWING)

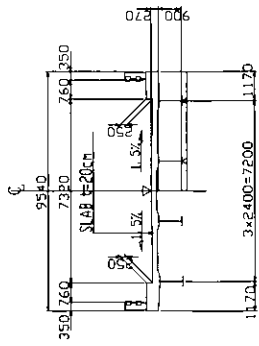
GENERAL VIEW



ELEVATION



PLAN

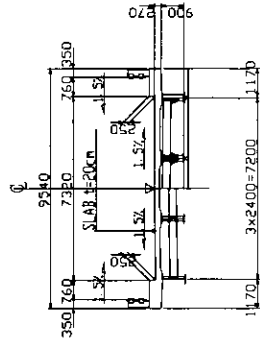


CROSS SECTION

02-02-07	Shippil
0	GENERAL VIEW

FIGURE 2.2.4.1-25 02-02-07 SHIPPIL BRIDGE (GENERAL VIEW)

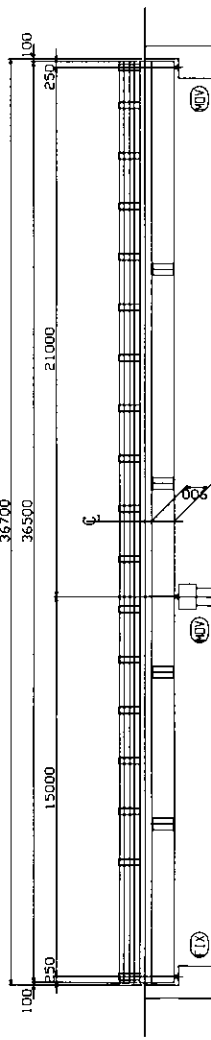
STRUCTURAL DRAWING



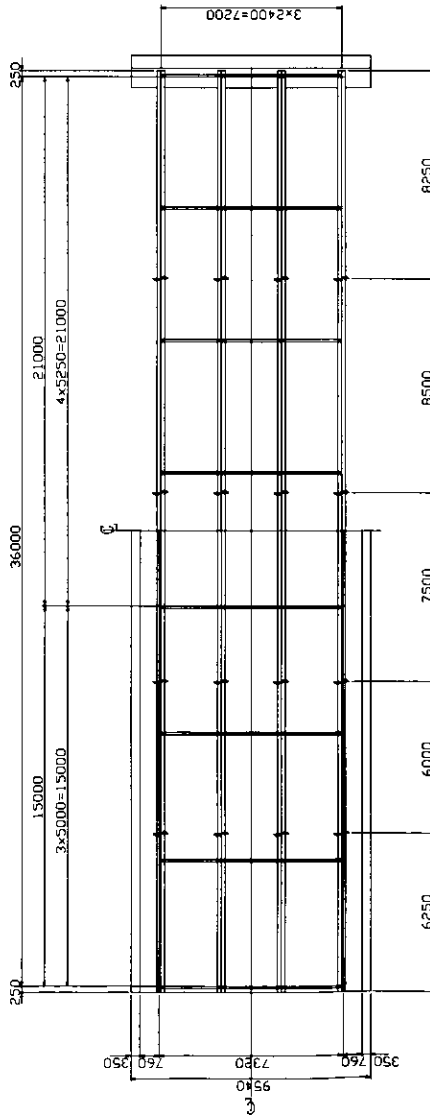
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - B. STEEL 77.00 kN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN(21.4kN)21.4kN(21.4kN)
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
3. DRAWING
IN ACCORDANCE WITH DIVISION I OF AASHTO SPEC.
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANT.



GENERAL ELEVATION

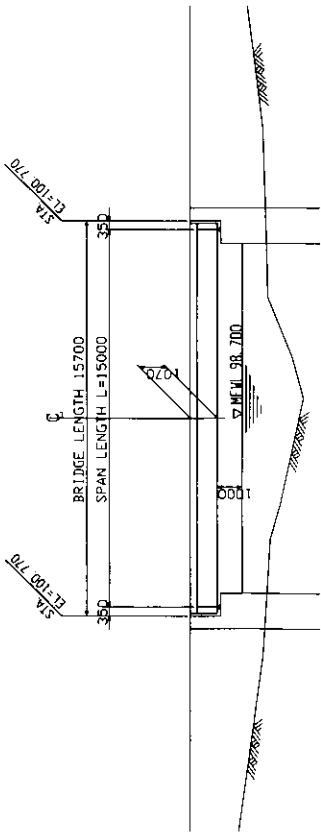


GENERAL PLAN

02-02-07	Shippit
1	STRUCTURAL DRAWING

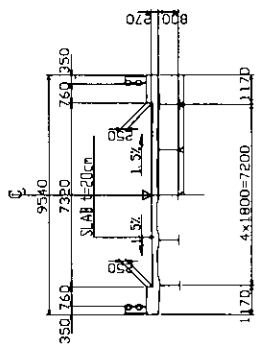
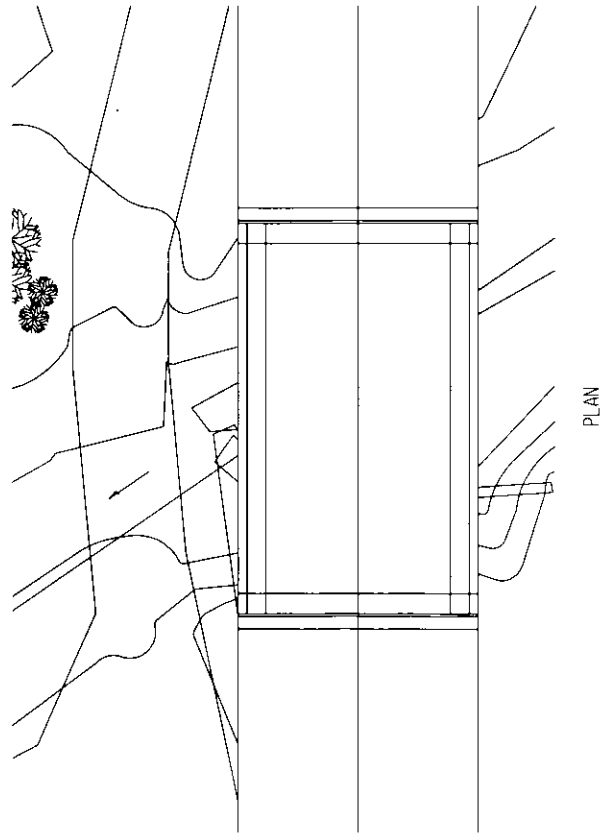
FIGURE 2.2.4.1-26 02-02-07 SHIPPIT BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW



DL = 90.000

ELEVATION

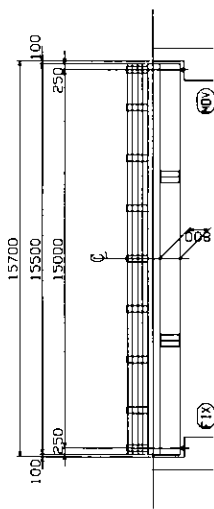


CROSS SECTION

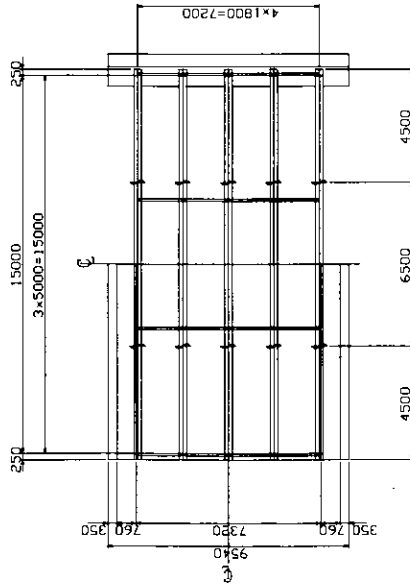
02-03-03	Gattac
0	GENERAL VIEW

FIGURE 2.2.4.1-27 02-03-03 GATTAC BRIDGE (GENERAL VIEW)

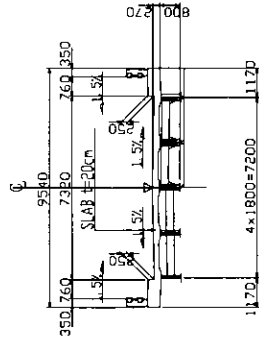
STRUCTURAL DRAWING



GENERAL ELEVATION
SCALE 1:100



GENERAL PLAN
SCALE 1:100



CROSS SECTION
SCALE 1:100

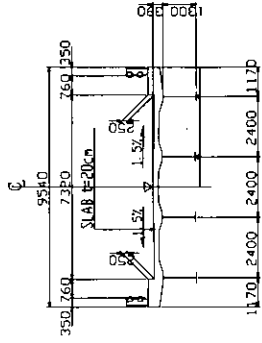
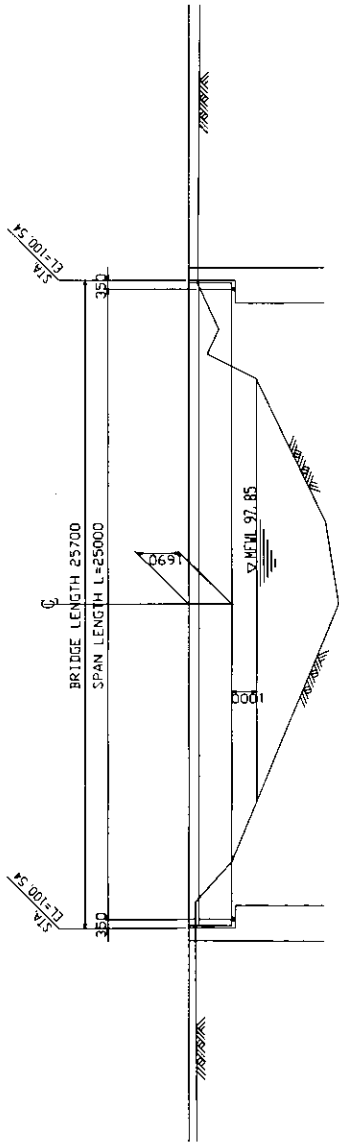
DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 KN/m²
 - B. STEEL 77.00 KN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD < SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE > 116KN/214KN/214KN/214KN
 - B. SIDEWALK LOAD 4.07 KN/m²
 - 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

02-03-03	Gattac
1	STRUCTURAL DRAWING

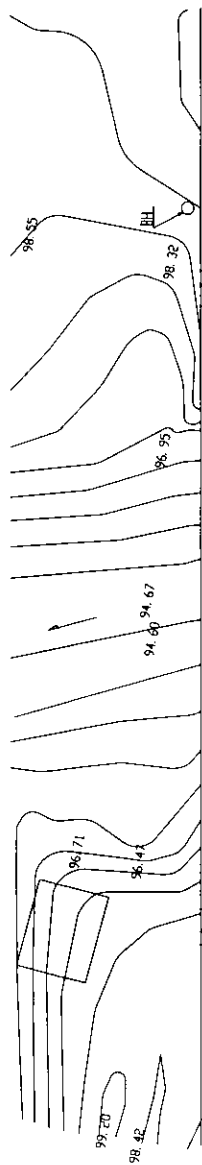
FIGURE 2.2.4.1-28 02-03-03 GATTAC BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW

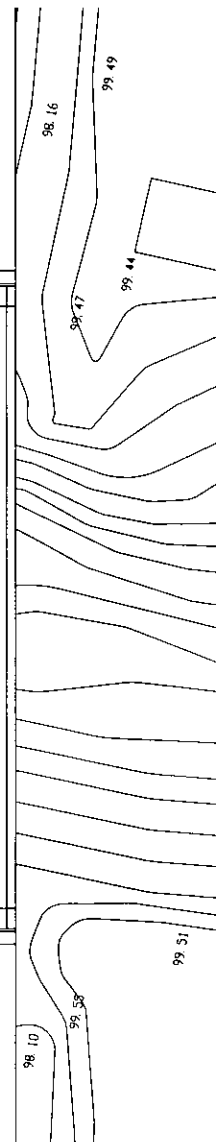


CROSS SECTION

ELEVATION



PLAN



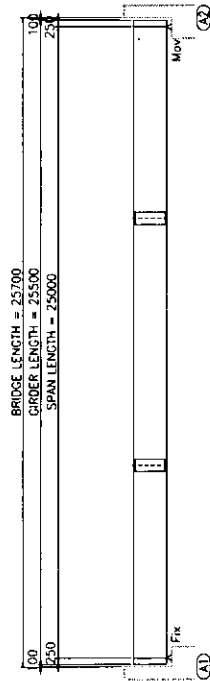
02-03-04	Imban
0	GENERAL VIEW

FIGURE 2.2.4.1-29 02-03-04 IMBAN BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

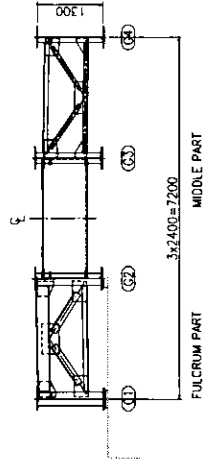
ELEVATION

SCALE 1/100



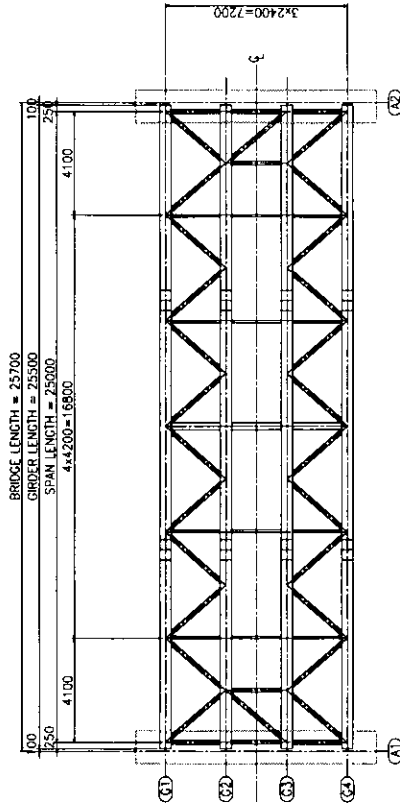
CROSS SECTION

SCALE 1/50



PLAN

SCALE 1/100

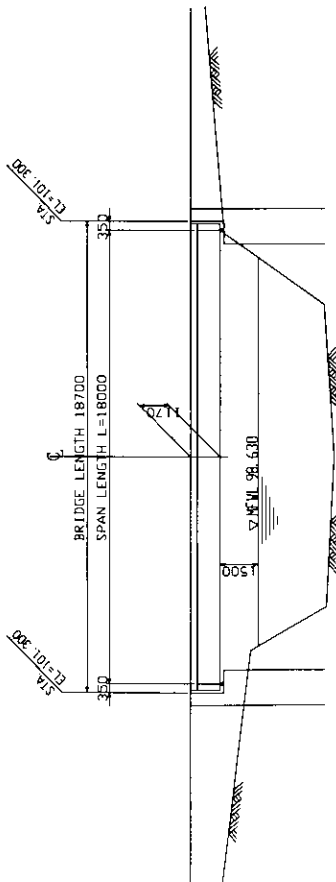


- 1 DESIGN SPECIFICATION
 JAPANESE SPECIFICATIONS FOR ROAD BRIDGES (DEC. 1996)
- 2 DESIGN LOAD
 2. 1 DEAD LOAD : CONCRETE 24.5 KN/m³
 ROADWAY LIVE LOAD B-GRADE LIVE LOAD
 2. 2 LIVE LOAD : SIDEWALK LIVE LOAD 3.5 KN/m²
 2. 3 TEMPERATURE CHANGE :
 RISE +30° , FALL -30°
 2. 4 EARTHQUAKE LOAD :
 SEISMIC ACCELERATION = 0.20
2. 5 OTHER LOAD IN ACCORDANCE WITH JAPANESE SPECIFICATION FOR ROAD BRIDGES
- 3 MATERIALS
 3. 1 STEEL FOR SUPERSTRUCTURE :
 STEEL SHALL BE SPECIFIED BY JIS GRADE.
 3. 2 OTHERS : OTHER MATERIALS SHALL CONFORM TO JIS.
- 4 DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANS.

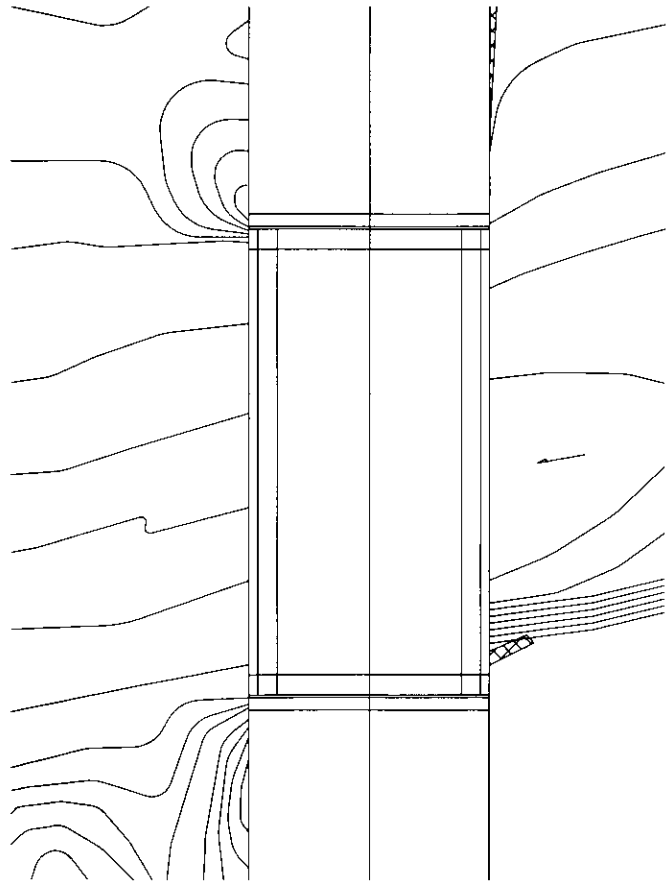
02-03-04	Inaban
1	STRUCTURAL DRAWING

FIGURE 2. 2. 4. 1-30 02-03-04 INABAN BRIDGE (STRUCTURAL DRAWING)

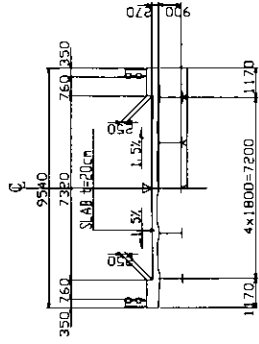
GENERAL VIEW



ELEVATION



PLAN

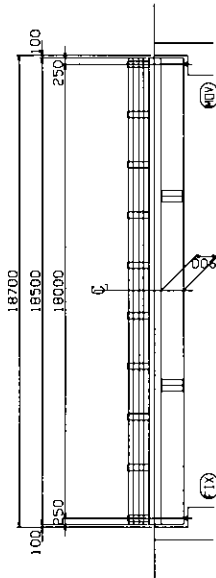


CROSS SECTION

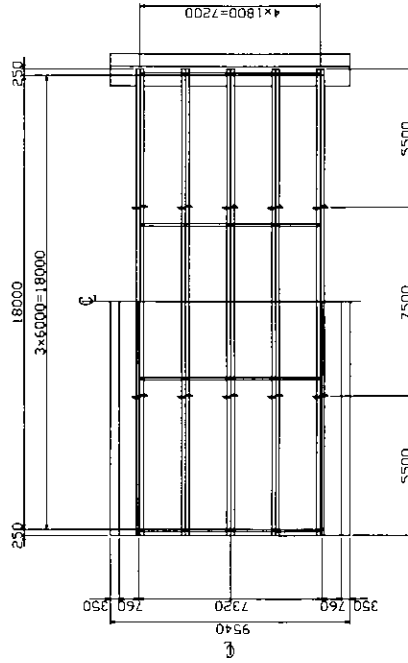
02-03-06	Runruno
0	GENERAL VIEW

FIGURE 2.2.4.1-31 02-03-06 RUNRUNO BRIDGE (GENERAL VIEW)

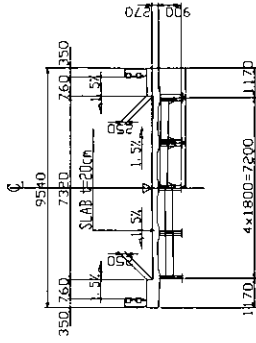
STRUCTURAL DRAWING



GENERAL ELEVATION
SCALE 1:100



GENERAL PLAN
SCALE 1:100



CROSS SECTION
SCALE 1:100

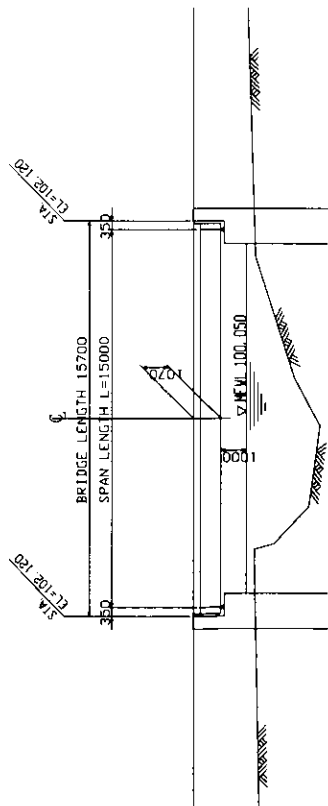
DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - B. STEEL 77.00 kN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN*214kN*214kN*214kN
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

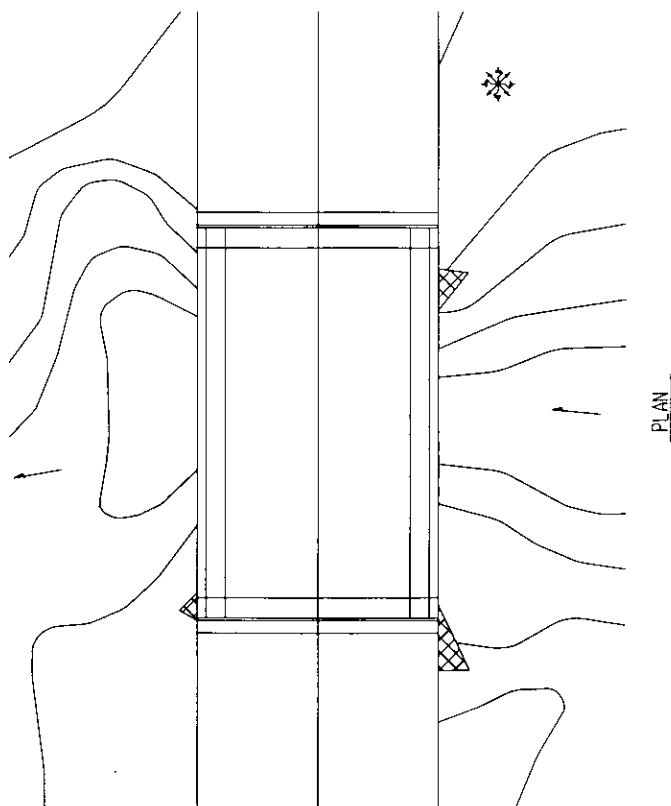
02-03-06	Runruno
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-32 02-03-06 RUNRUNO BRIDGE (STRUCTURAL DRAWING)

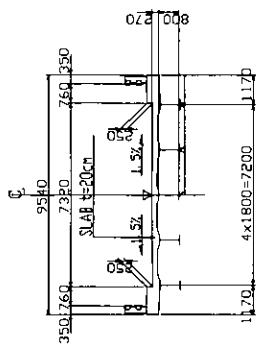
GENERAL VIEW



ELEVATION



PLAN

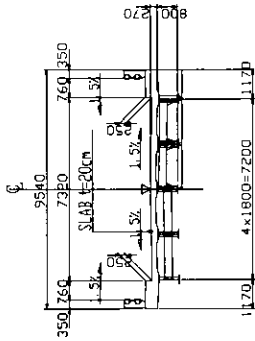


CROSS SECTION

02-04-01	Angad
0	GENERAL VIEW

FIGURE 2.4.1-33 02-04-01 ANGAD BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING



CROSS SECTION

DESIGN CRITERIA

- DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.

2.1 DEAD LOAD

- A. CONCRETE 24.00 kN/m³
- B. STEEL 77.00 kN/m³

2.2 LIVE LOAD

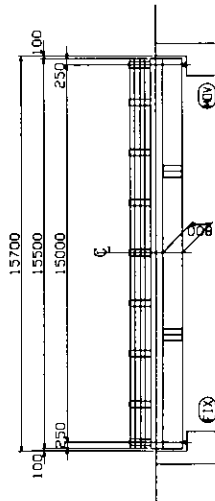
- A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN+21.4kN+21.4kN
- B. SIDEWALK LOAD 4.07 kN/m²

2.3 IMPACT

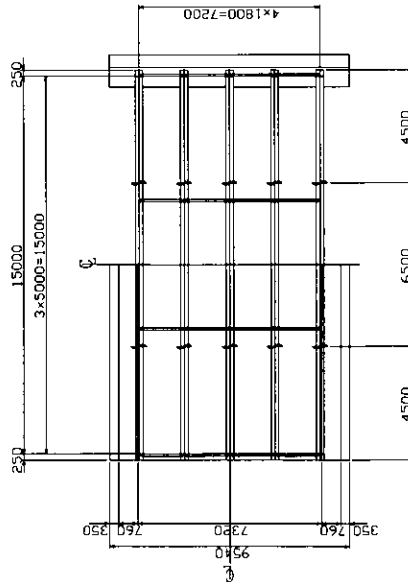
- IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.

3. DRAWING

ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANT.



GENERAL ELEVATION

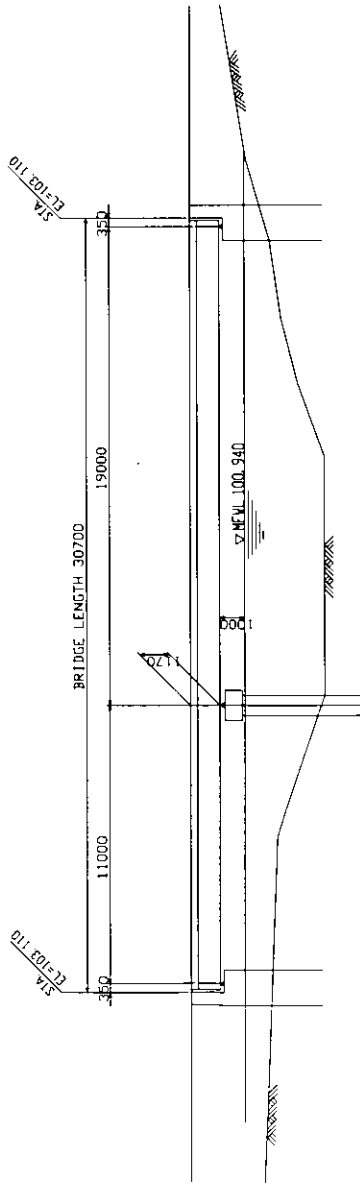


GENERAL PLAN

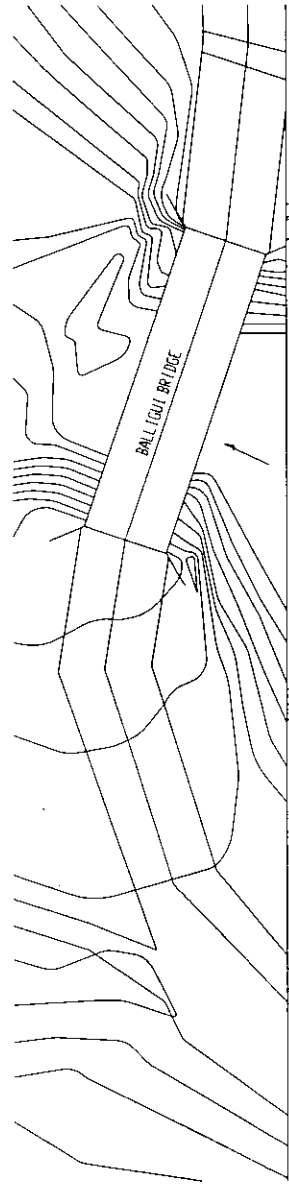
02-04-01	Angad
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-34 02-04-01 ANGAD BRIDGE (STRUCTURAL DRAWING)

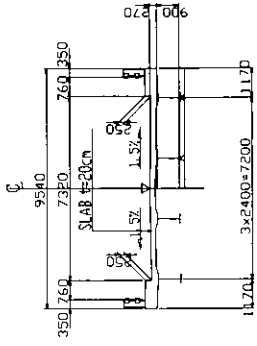
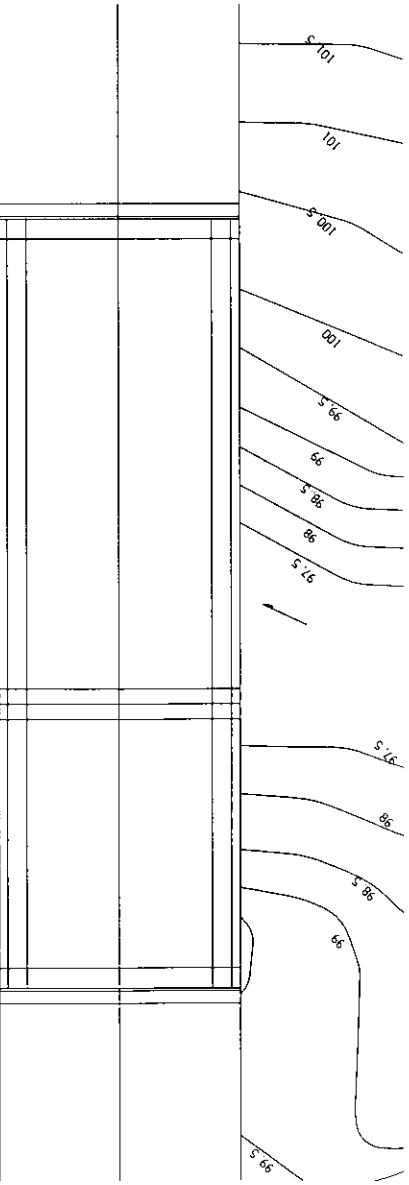
GENERAL VIEW



ELEVATION



PLAN

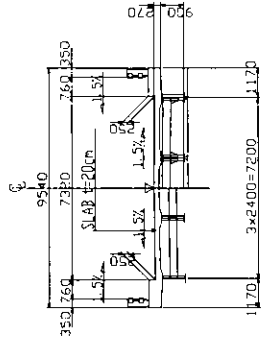


CROSS SECTION

02-04-02	Balligut
0	GENERAL VIEW

FIGURE 2.2.4.1-35 02-04-02 BALLIGUT BRIDGE (GENERAL VIEW)

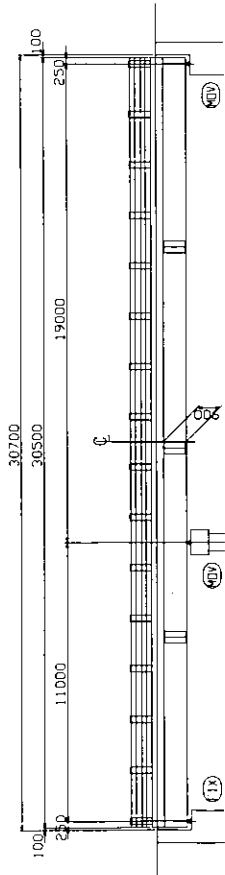
STRUCTURAL DRAWING



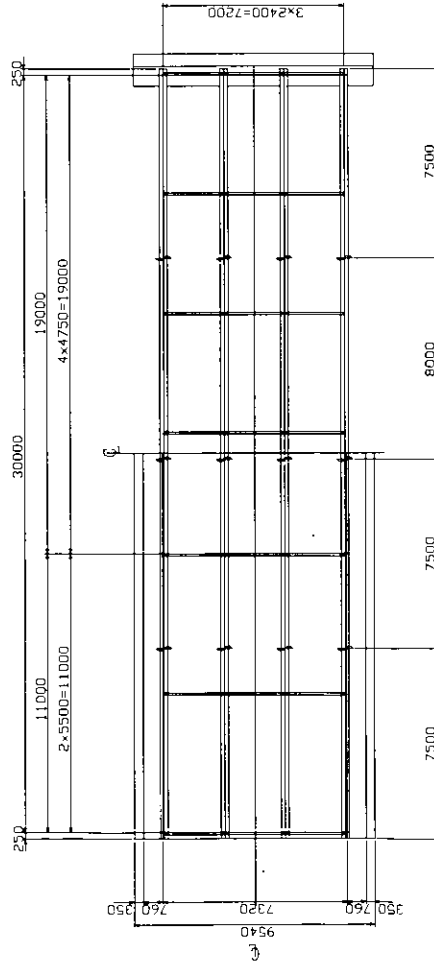
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND
FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
2.1 DEAD LOAD
TRANSPORTATION OFFICIAL (ASHTO) STANDARD SPECIFICATIONS
A. CONCRETE 24.00 kN/m³
B. STEEL 77.00 kN/m³
- 2.2 LIVE LOAD
A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE
PASSING BRIDGE) 116kN-214kN+214kN+214kN
B. SIDEWALK LOAD 4.07 kN/m²
- 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF ASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS
OTHERWISE SHOWN IN PLAN.



GENERAL ELEVATION

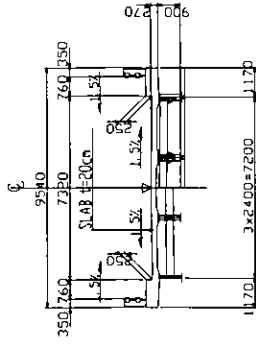


GENERAL PLAN

02-04-02	Balligui
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-36 02-04-02 BALLIGUI BRIDGE (STRUCTURAL DRAWING)

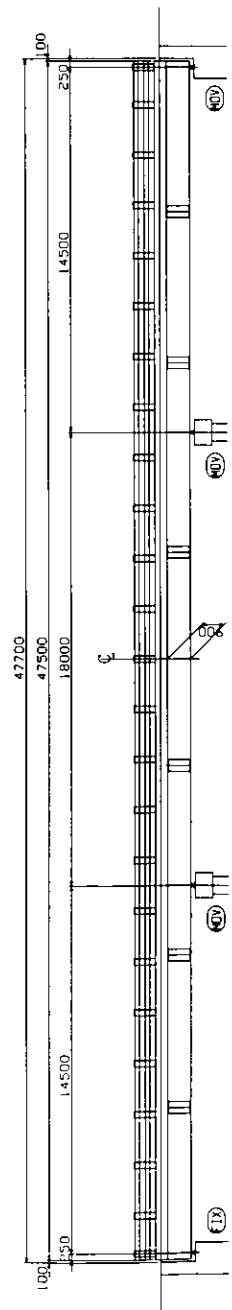
STRUCTURAL DRAWING



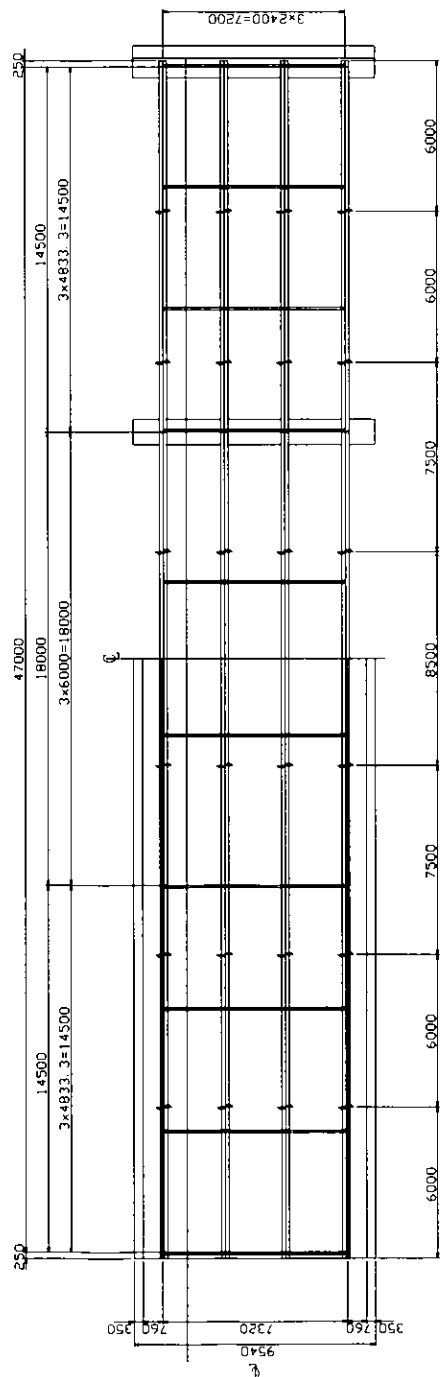
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16 EDITION, 1996.
2. DESIGN LOAD
 - A. CONCRETE 24.00 KN/m²
 - B. STEEL 77.00 KN/m²
- 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGES) 116KN-214KN-214KN-214KN
 - B. SIDEWALK LOAD 4.07 KN/m²
- 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.



GENERAL ELEVATION

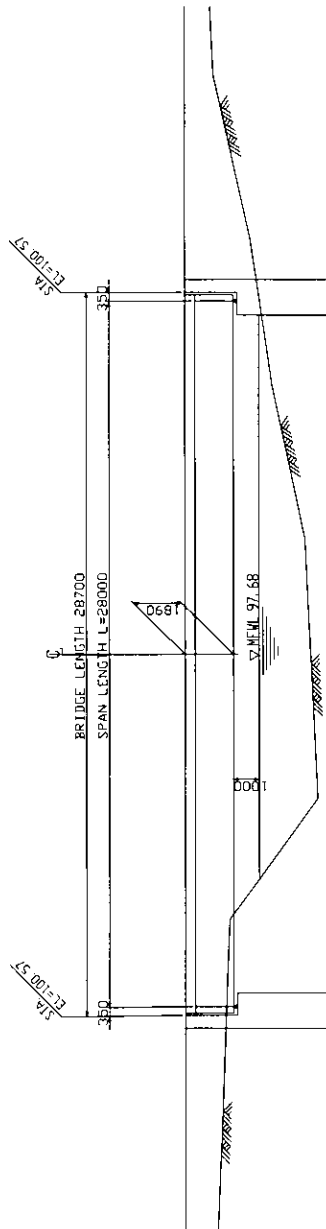


GENERAL PLAN

02-04-06	Dumabato
1	STRUCTURAL DRAWING

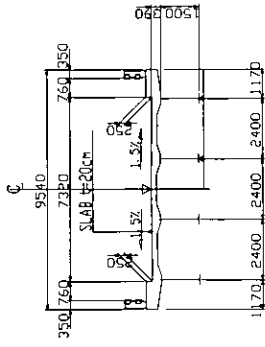
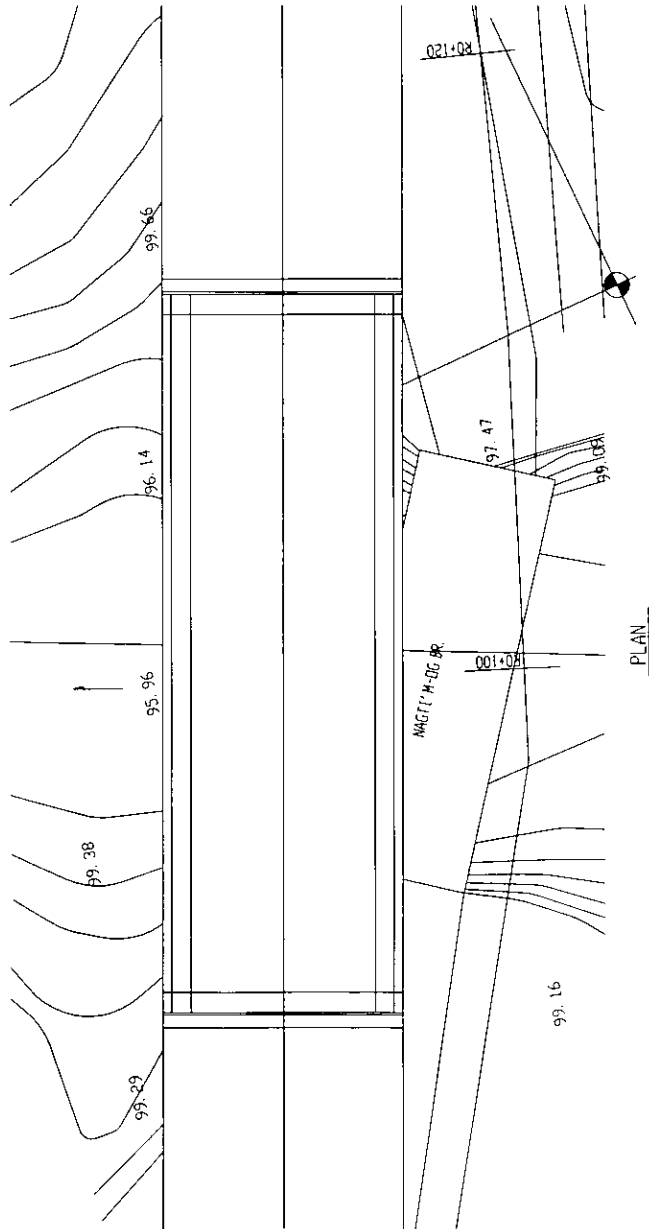
FIGURE 2.2.4.1-38 02-04-06 DUMABATO BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW



ELEVATION

DL = 90.00

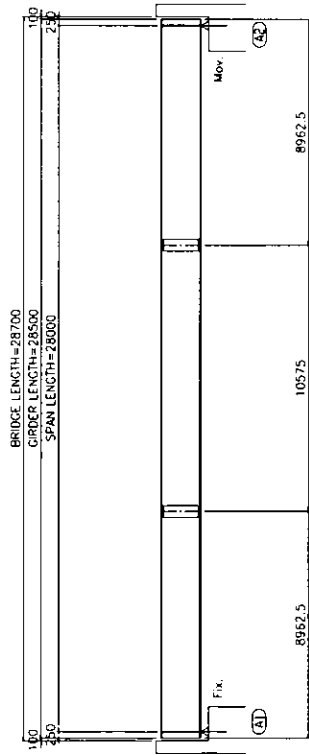


02-04-10	Nagtim-Og
0	GENERAL VIEW

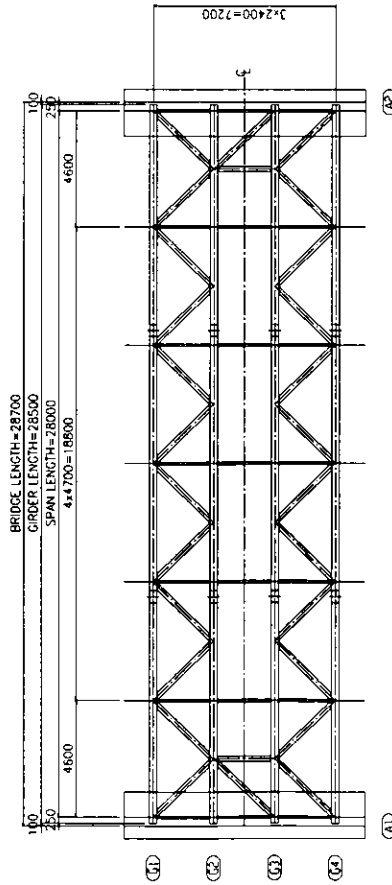
FIGURE 2.2.4.1-39 02-04-10 NAGTIM-OG BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

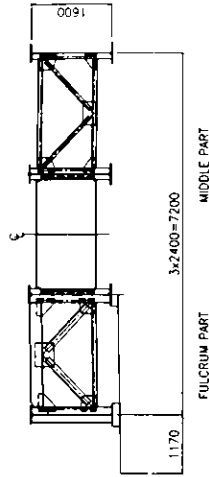
ELEVATION



PLAN



CROSS SECTION



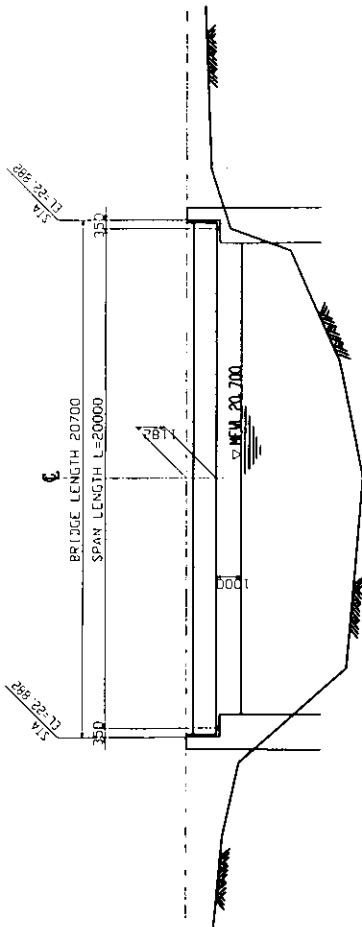
DESIGN CRITERIA

1. DESIGN SPECIFICATION
 THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m³
 - A. STEEL 77.00 kN/m³
 - 2.2 LIVE LOAD
 A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN + 214kN + 214kN + 214kN + 214kN
 B. SIDEWALK LOAD 4.07kN/m²
 - 2.3 IMPACT
 IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC
3. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANT.

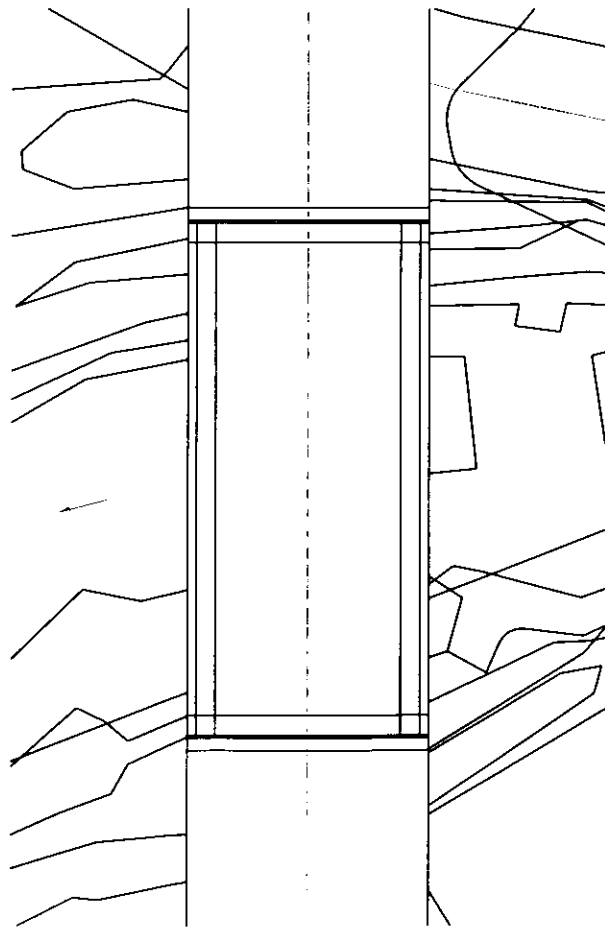
02-04-10	Nagtim-Og
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-40 02-04-10 NAGTIM-OG BRIDGE (STRUCTURAL DRAWING)

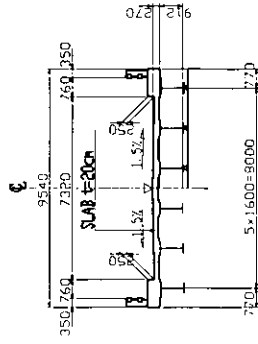
GENERAL VIEW



ELEVATION



PLAN

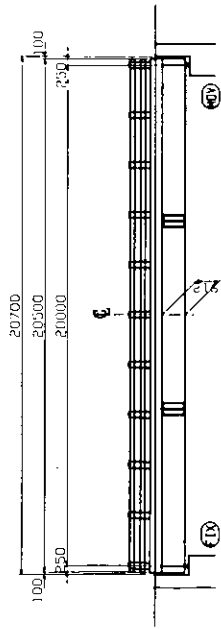


CROSS SECTION

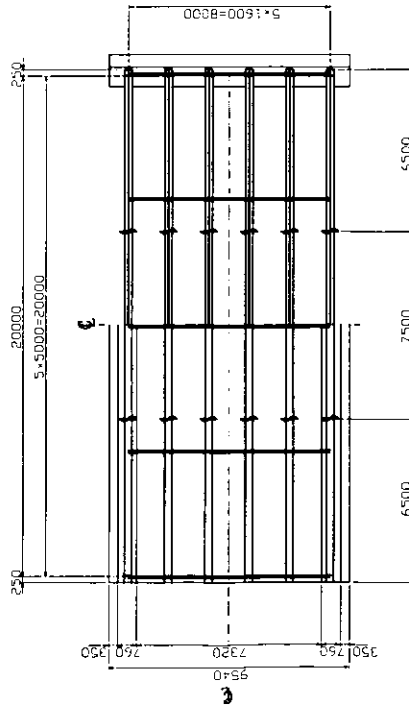
CA-01-03	Lublnak
0	GENERAL VIEW

FIGURE 2.2.4.1-41 CA-01-03 LUBLINAK BRIDGE (GENERAL VIEW)

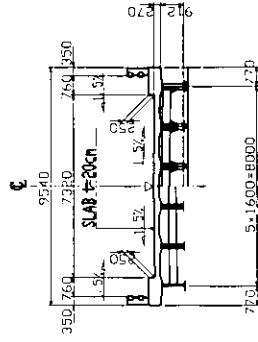
STRUCTURAL DRAWING



GENERAL ELEVATION



GENERAL PLAN



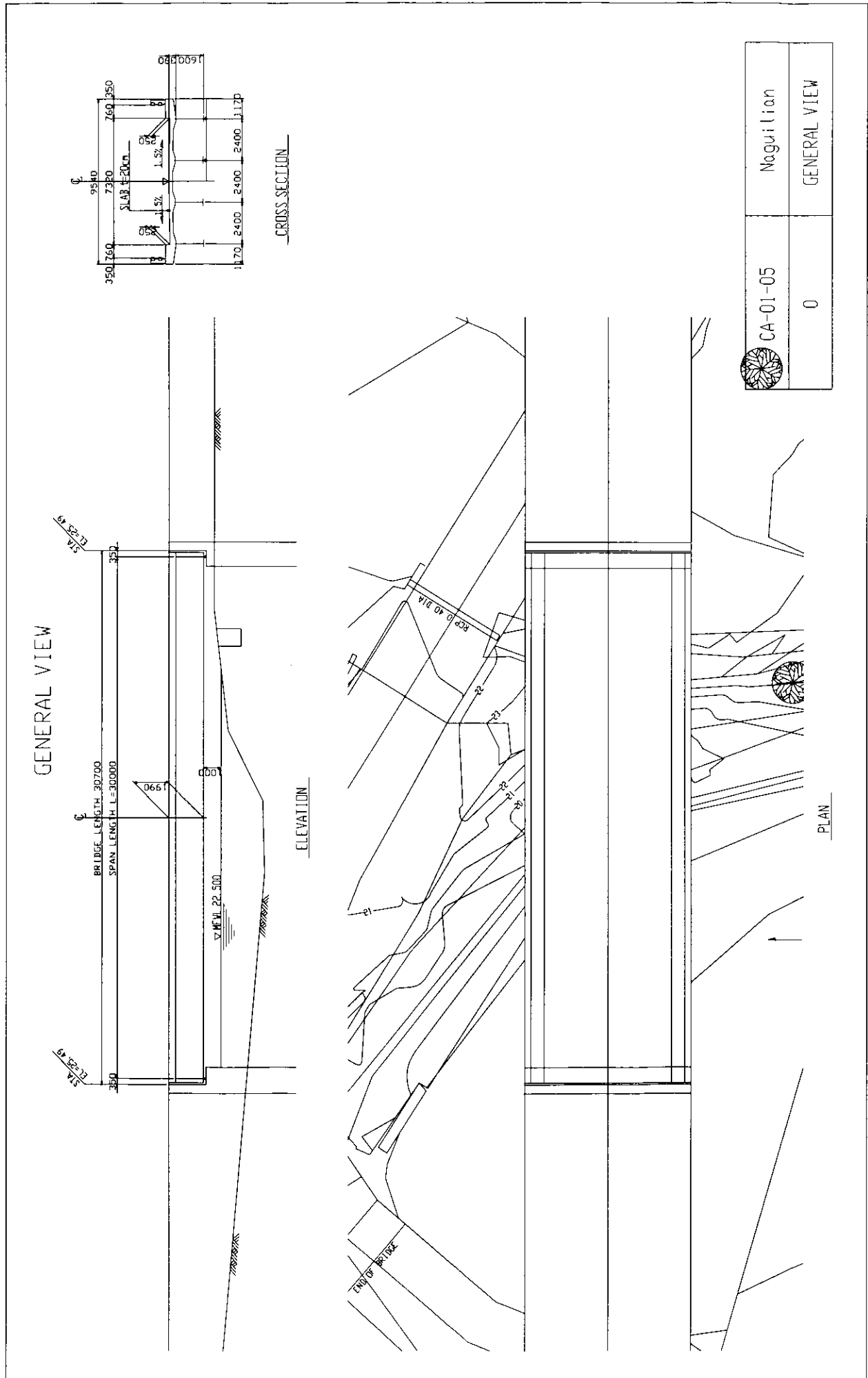
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m³
 - B. STEEL 77.00 kN/m³
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN+21kN+21kN+21kN
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
 - A. IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IMPLANT.

CA-01-03	Lub Lubnak
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-42 CA-01-03 LUB LUBNAK BRIDGE (STRUCTURAL DRAWING)

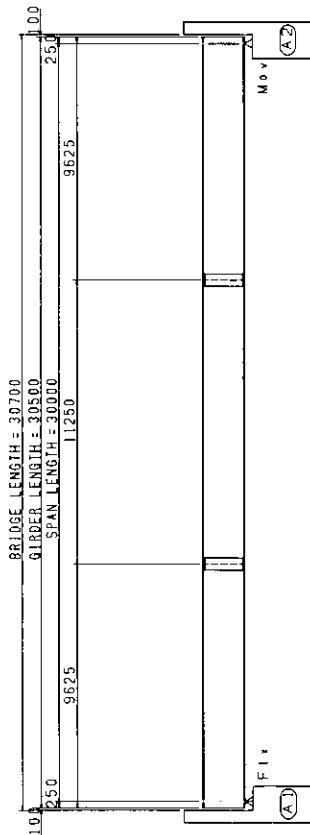


CA-01-05	Naguilian
0	GENERAL VIEW

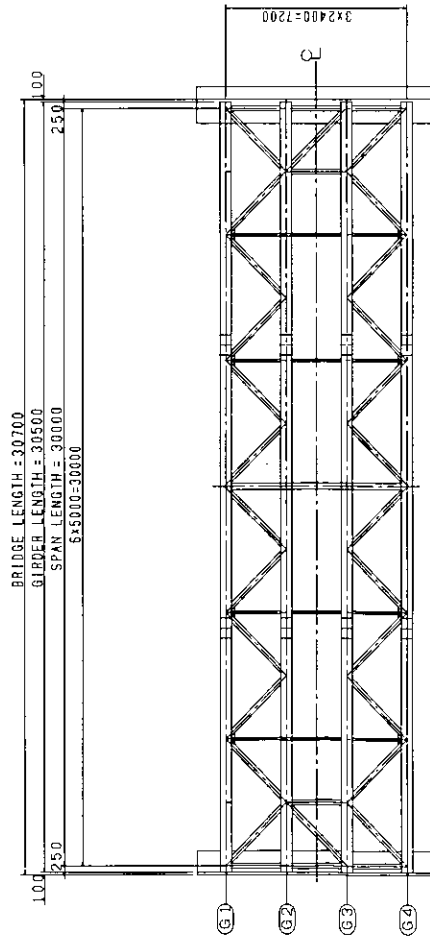
FIGURE 2.4.1-43 CA-01-05 NAGUILIAN BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

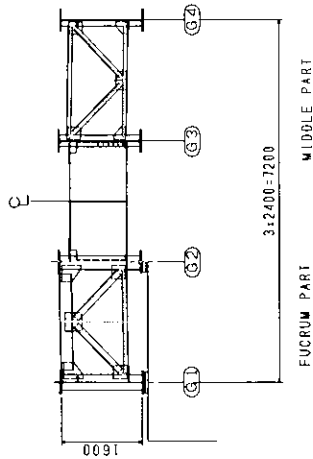
ELEVATION



PLAN



CROSS SECTION

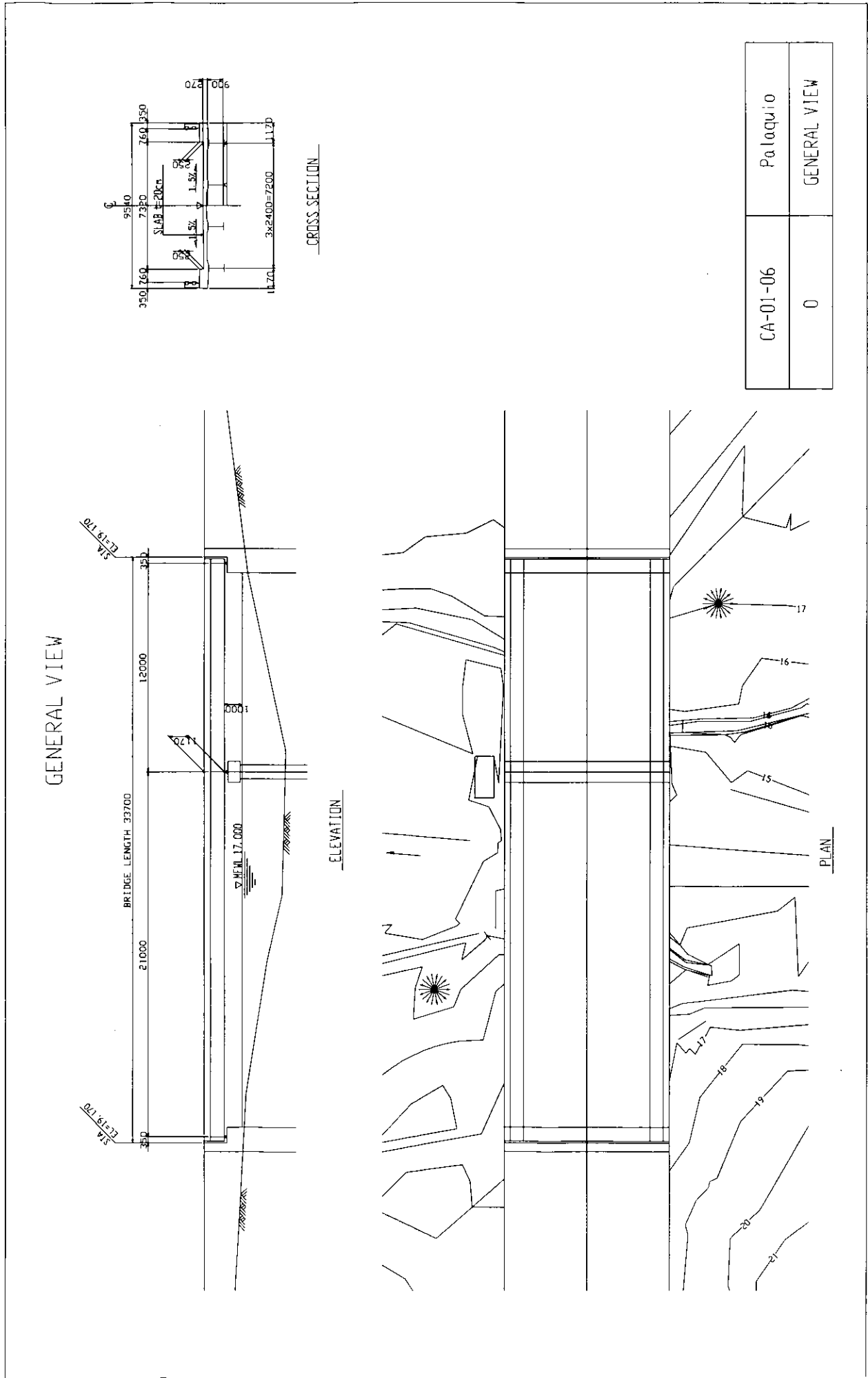


DESIGN CRITERIA

1. DESIGN SPECIFICATION
 THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00KN/M²
 - B. STEEL 77.00KN/M²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 115KN/21.4M X 21.4M X 21.4M
 - B. SIDEWALK LOAD 4.07 KN/M²
 - 2.3 IMPACT
 (IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.)
3. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANT.

CA-01-05	NEGULIAN
1	STRUCTURAL DRAWING

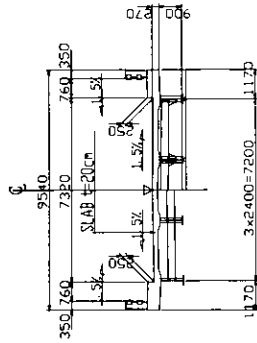
FIGURE 2.2.4.1-44 CA-01-05 NEGULIAN BRIDGE (STRUCTURAL DRAWING)



CA-01-06	Palaquio
0	GENERAL VIEW

FIGURE 2.4.1-45 CA-01-06 PALAQUIO BRIDGE (GENERAL VIEW)

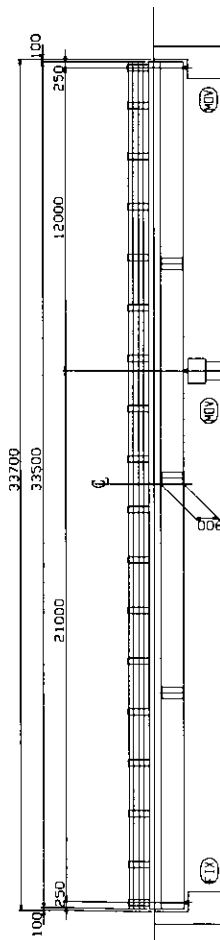
STRUCTURAL DRAWING



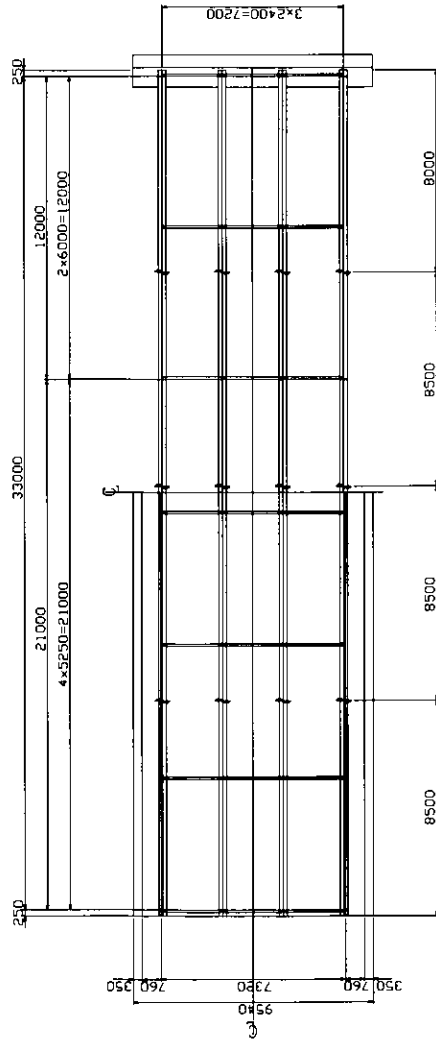
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
 2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - B. STEEL 77.00 kN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN*21.4kN+21.4kN*21.4kN
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
 3. DRAWING
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
- ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IMPLANT.



GENERAL ELEVATION

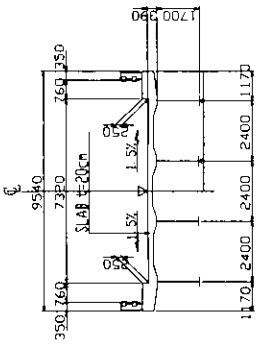
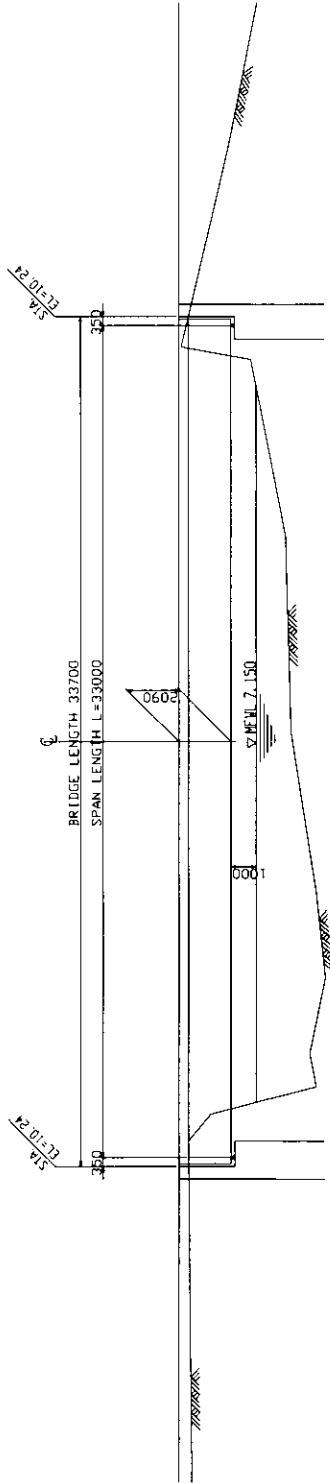


GENERAL PLAN

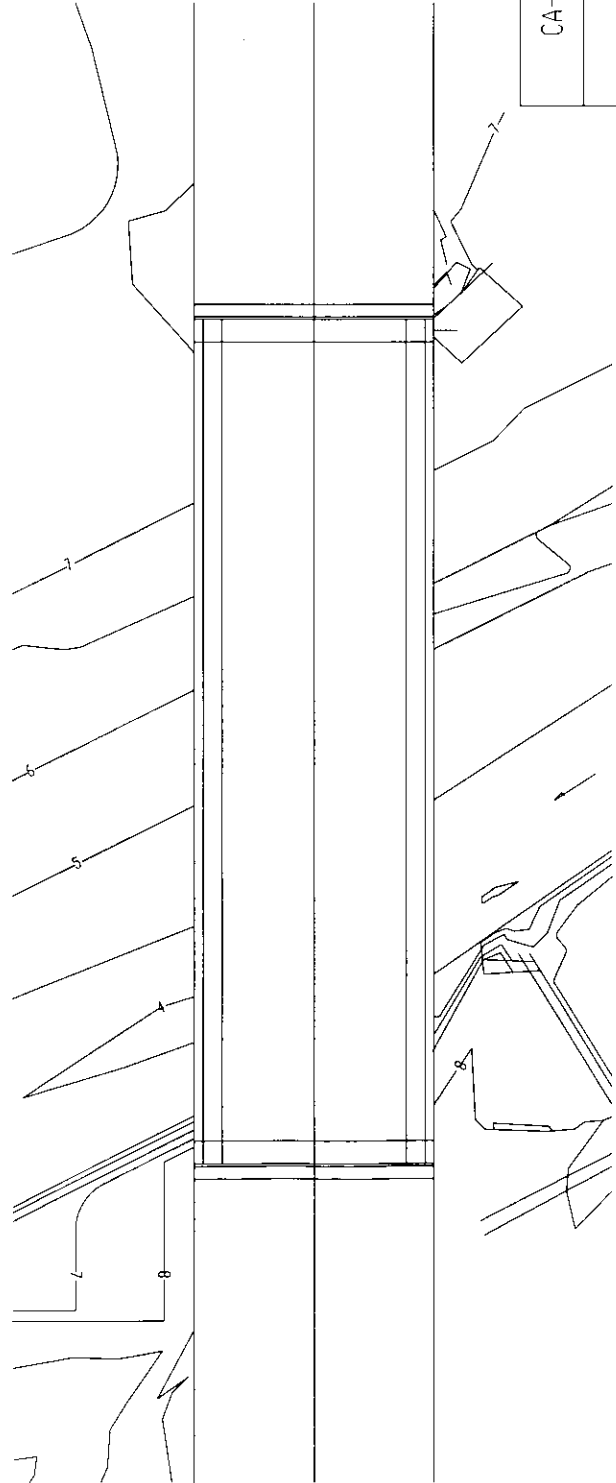
CA-01-06	Paltaquio
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-46 CA-01-06 PALAQUIO BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW



ELEVATION



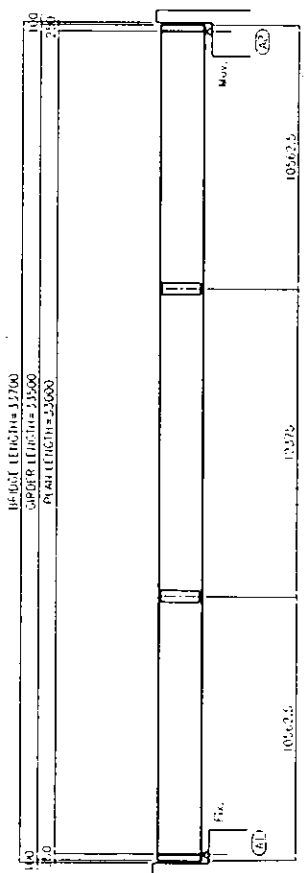
PLAN

CA-02-07	Galap I
0	GENERAL VIEW

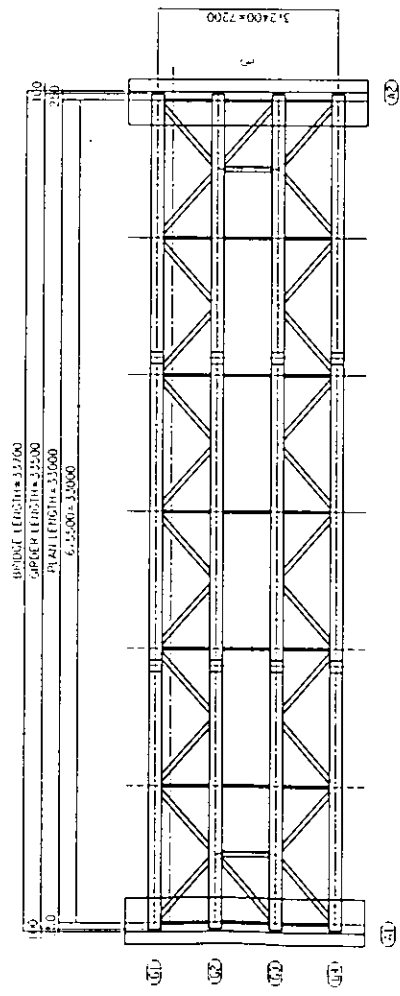
FIGURE 2.2.4.1-47 CA-01-07 GALAP I BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

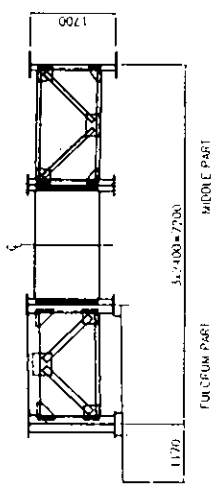
ELEVATION



PLAN



CROSS SECTION



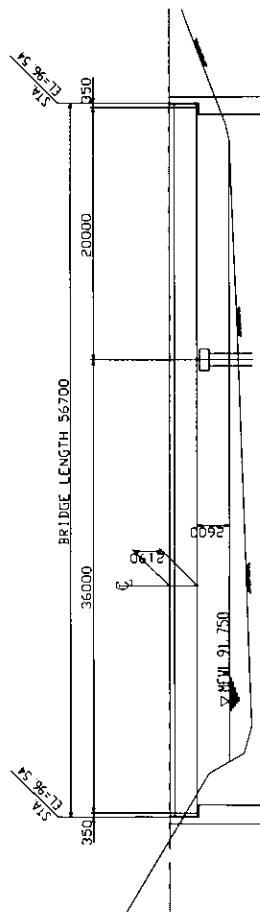
DESIGN CRITERIA

1. DESIGN SPECIFICATION
 - THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES TO BRIDGE, 1976.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - A. STEEL 7.70 kN/m²
 - 2.2 LIVE LOAD
 - A. PLUMBI DESIGN LOAD (SPECIAL PERMITS REQUIRED BEFORE PASSING BRIDGE) 11.5kN + 21.4kN + 21.4kN + 21.4kN
 - B. SIDEWALK LOAD 4.07kN/m²
 - 2.3 IMPACT
 - IN ACCORDANCE WITH OVERSIGHT OF MASHRO SPEC
3. DRAWING
 - ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN OTHERWISE.

CA-02-07	Galap I
1	STRUCTURAL DRAWING

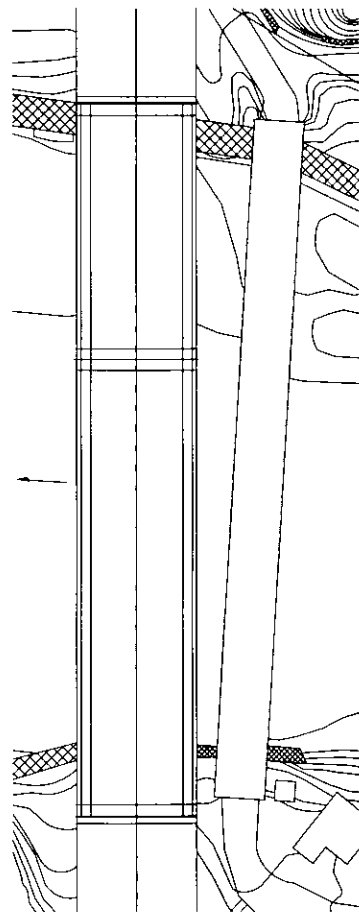
FIGURE 2.2.4.1-48 CA-02-07 GALAP I BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW

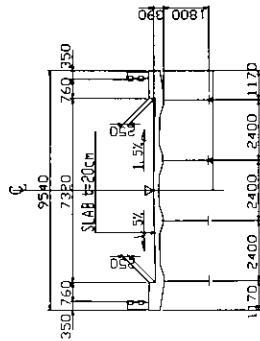


DL=85.00

ELEVATION



PLAN



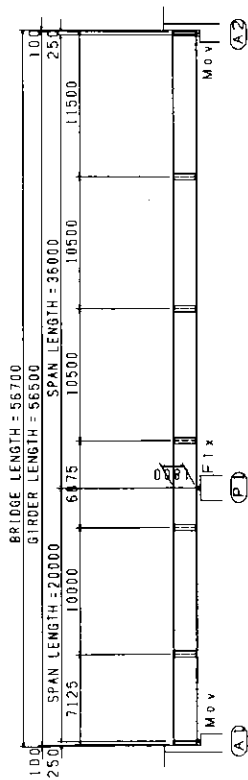
CROSS SECTION

CA-03-02	Habbang
0	GENERAL VIEW

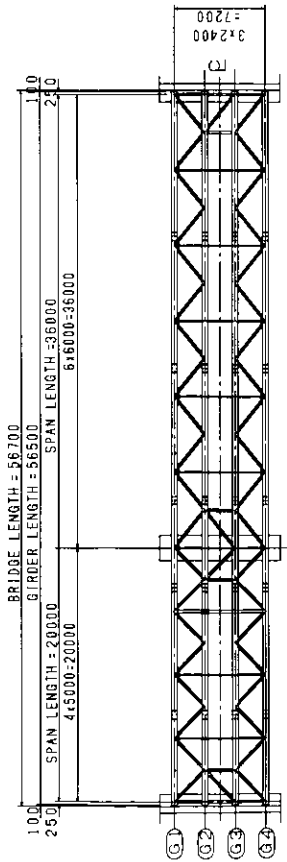
FIGURE 2.2.4.1-49 CA-03-02 HABBANG BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

ELEVATION



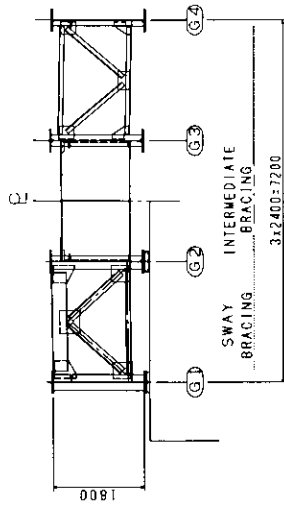
PLAN



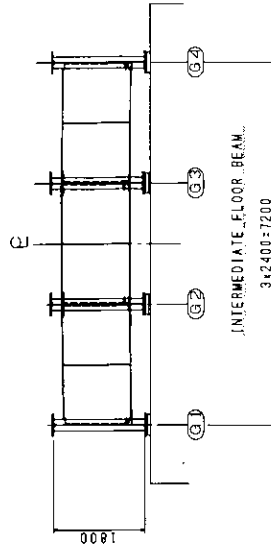
DESIGN CRITERIA

1. DESIGN SPECIFICATION
 THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 15 EDITION, 1996.
2. DESIGN LOAD
 - 2.1. DEAD LOAD
 - A. CONCRETE 24,00K/M²
 - B. STEEL 77,00K/M²
 - 2.2. LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 115KN/214KN/214KN/214KN
 - B. SIDEWALK LOAD 4,07 KN/M²
- 2.3. IMPACT
 IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANT.

CROSS SECTION



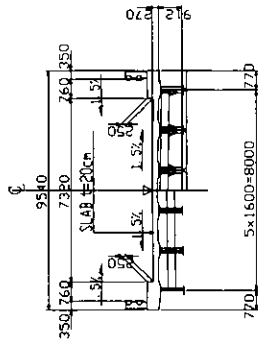
CROSS SECTION



CA-03-02	Habbang
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-50 CA-03-02 HABBANG BRIDGE (STRUCTURAL DRAWING)

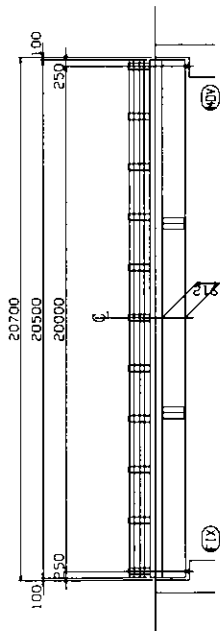
STRUCTURAL DRAWING



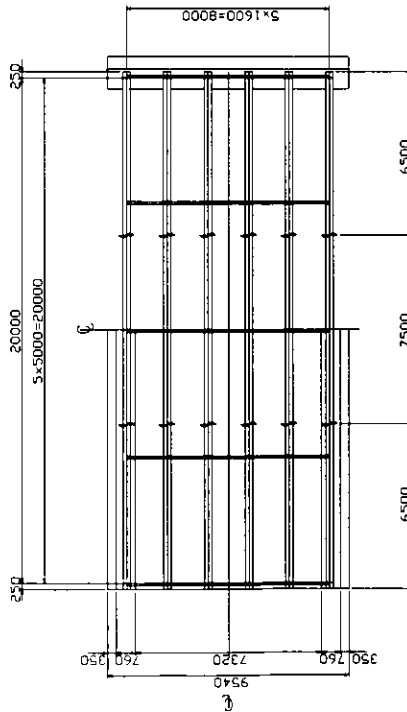
CROSS SECTION

DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND
FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
2.1 DEAD LOAD TRANSPORTATION OFFICIAL(AASHTO) STANDARD SPECIFICATIONS
A. CONCRETE 24.00 KN/M²
B. STEEL 77.00 KN/M²
- 2.2 LIVE LOAD
A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE
PASSING BRIDGE) 116KN*214KN*214KN*214KN
B. SIDEWALK LOAD 4.07 KN/M²
- 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS
OTHERWISE SHOWN IMPLANT.



GENERAL ELEVATION

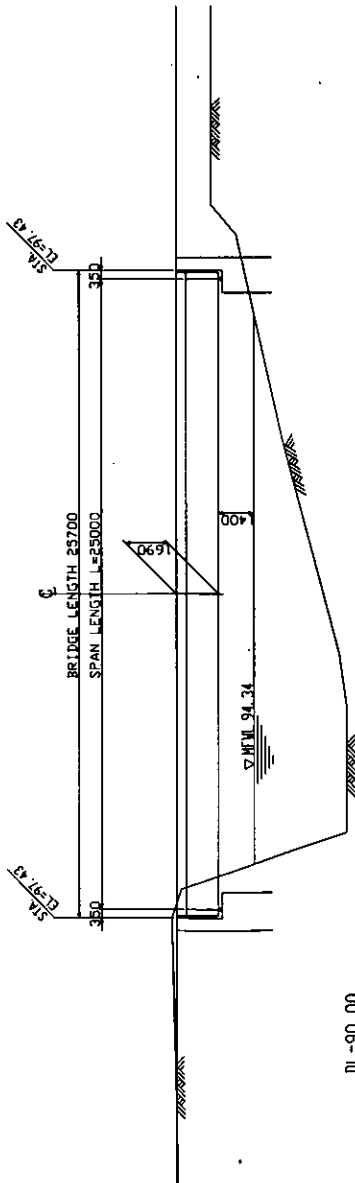


GENERAL PLAN

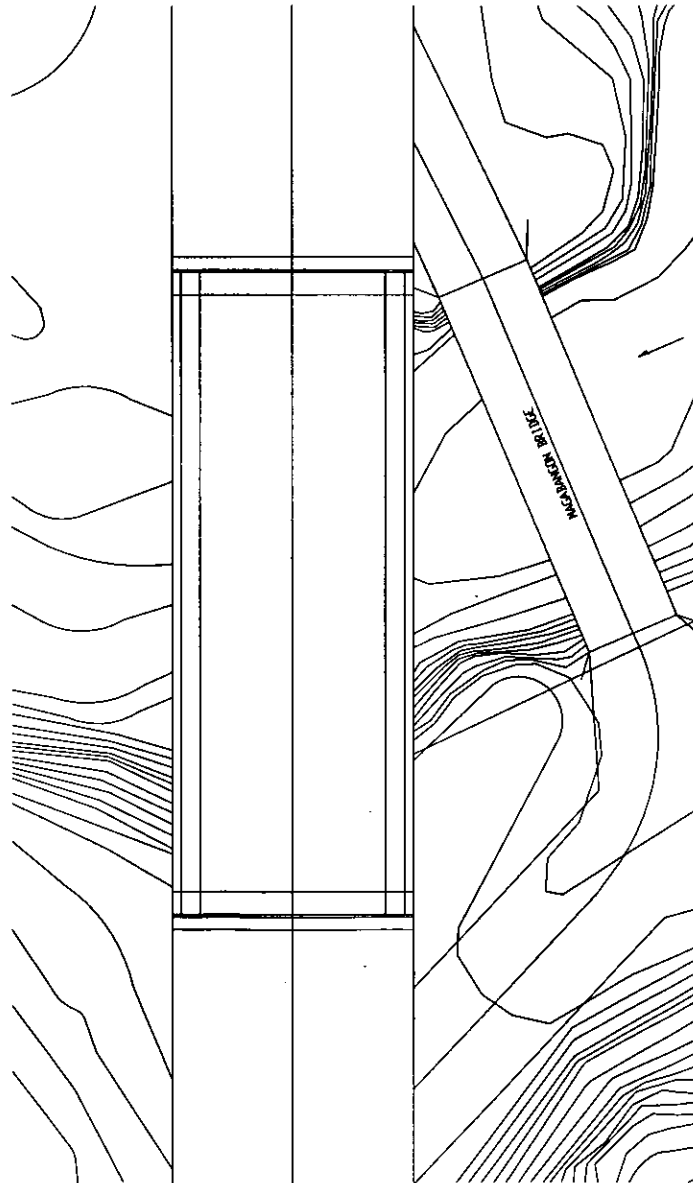
CA-04-01	Dao
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-52 CA-04-01 DAO BRIDGE (STRUCTURAL DRAWING)

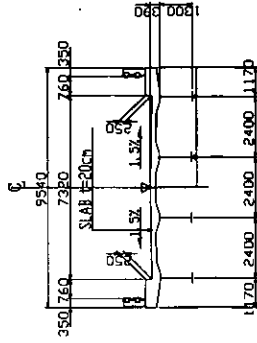
GENERAL VIEW



ELEVATION



PLAN



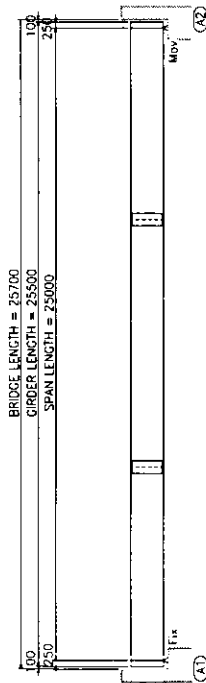
CROSS SECTION

CA-04-02	Magabbangon
0	GENERAL VIEW

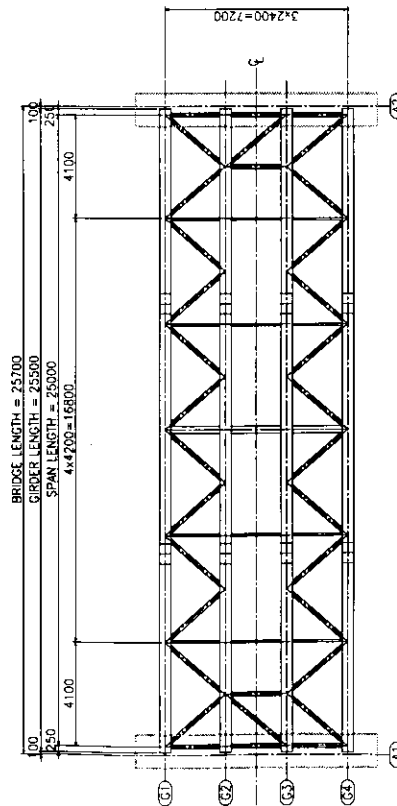
FIGURE 2.2.4.1-53 CA-04-02 MAGABBANGON BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

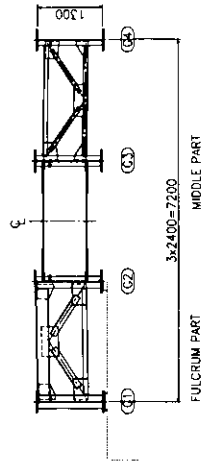
ELEVATION



PLAN



CROSS SECTION

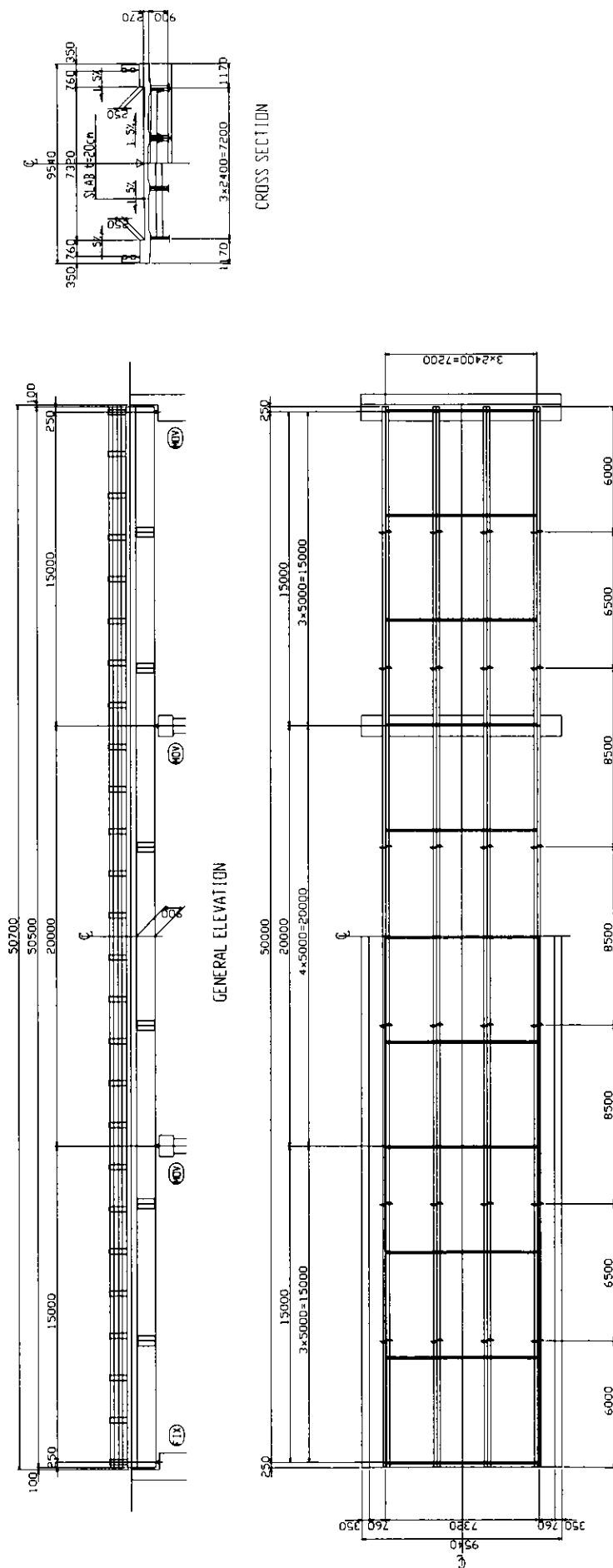


1. DESIGN SPECIFICATION
 JAPANESE SPECIFICATIONS FOR ROAD BRIDGES (DEC. 1996)
 2. DESIGN LOAD
 - 2.1 DEAD LOAD : CONCRETE 24.5 KN/m³
 - 2.2 LIVE LOAD : ROADWAY LIVE LOAD B-GRADE LIVE LOAD
 - SIDEWALK LIVE LOAD 3.5 KN/m²
 - 2.3 TEMPERATURE CHANGE :
 RISE +30° , FALL -30°
 - 2.4 EARTHQUAKE LOAD :
 SEISMIC ACCELERATION = 0.20
 - 2.5 OTHER LOAD : IN ACCORDANCE WITH JAPANESE SPECIFICATION FOR ROAD BRIDGES
3. MATERIALS
- 3.1 STEEL FOR SUPERSTRUCTURE :
 STEEL SHALL BE SPECIFIED BY JIS GRADE
 - 3.2 OTHERS : OTHER MATERIALS SHALL CONFORM TO JIS.
4. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANS.

CA-04-02	Magabbangon
1	STRUCTURAL DRAWING

FIGURE 2. 2. 4. 1-54 CA-04-02 MAGABBANGON BRIDGE (STRUCTURAL DRAWING)

STRUCTURAL DRAWING



CROSS SECTION

GENERAL ELEVATION

GENERAL PLAN

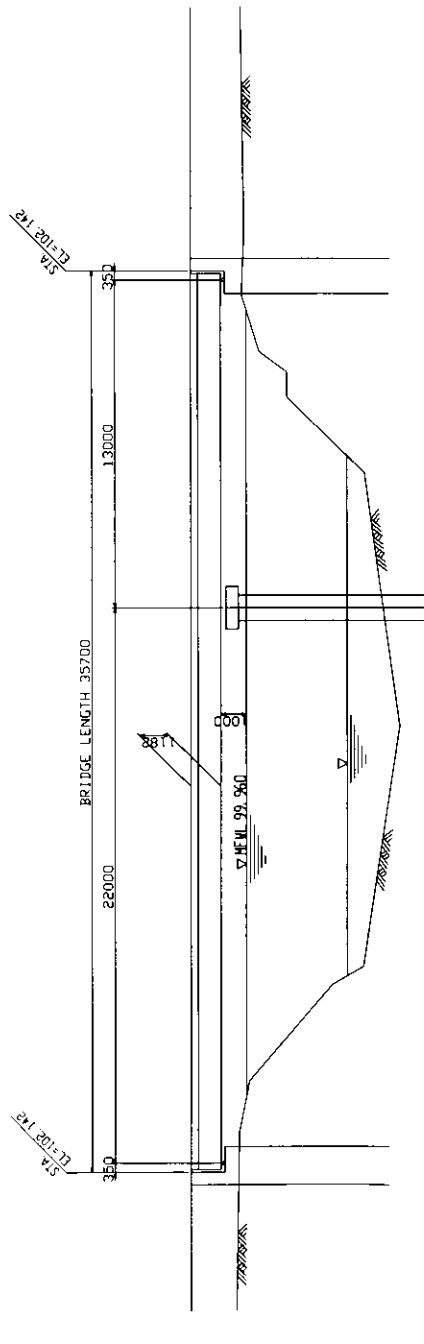
DESIGN CRITERIA

1. DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A. CONCRETE 24.00 kN/m²
 - B. STEEL 77.00 kN/m²
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN/21.4m x 21.4m x 2.4m
 - B. SIDEWALK LOAD 4.07 kN/m²
 - 2.3 IMPACT
IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
 3. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLAN.

CA-04-04	Manglig
1	STRUCTURAL DRAWING

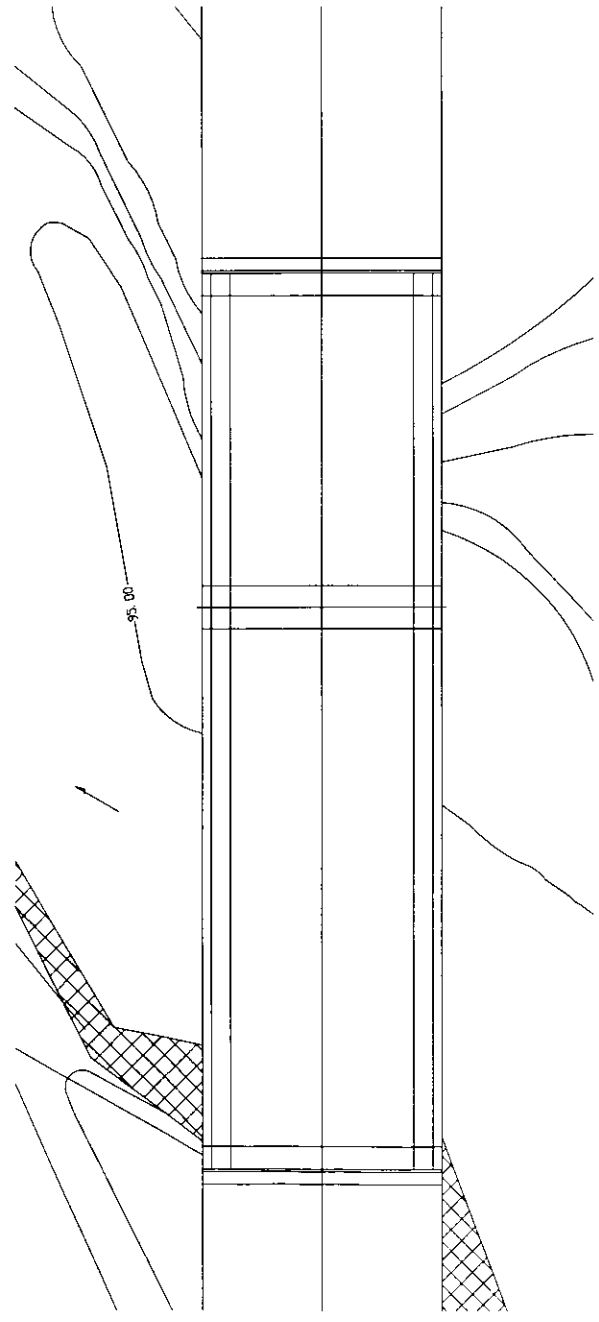
FIGURE 2.2.4.1-56 CA-04-04 MANGLIG BRIDGE (STRUCTURAL DRAWING)

GENERAL VIEW

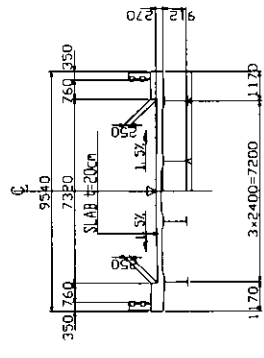


ELEVATION

DL=90.00



PLAN

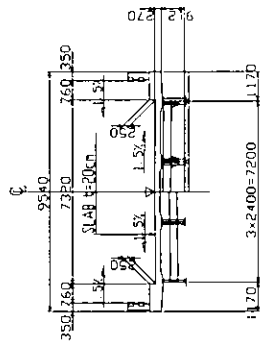


CROSS SECTION

CA-04-08	Tuga
0	GENERAL VIEW

FIGURE 2.2.4.1-57 CA-04-08 TUNA BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING



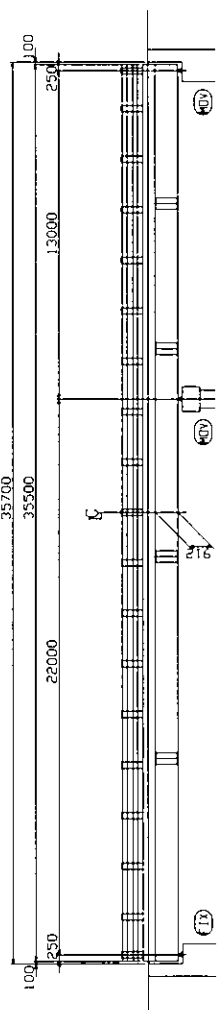
CROSS SECTION

DESIGN CRITERIA

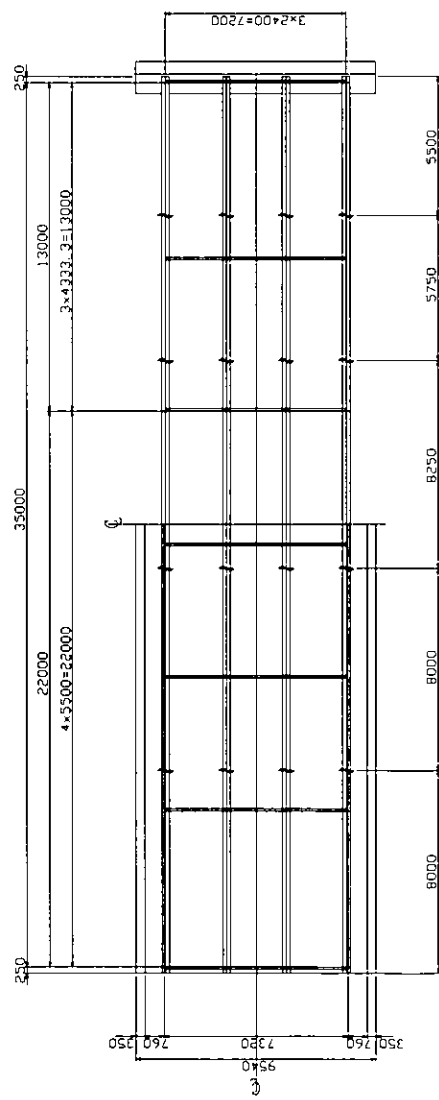
- DESIGN SPECIFICATION
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 16 EDITION, 1996.
- DESIGN LOAD
 - DEAD LOAD
 - CONCRETE 24.00 kN/m²
 - STEEL 77.00 kN/m²
 - LIVE LOAD
 - PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE PASSING BRIDGE) 116kN+2(44kN+2(14kN+2(14kN
 - SIDEWALK LOAD 4.07 kN/m²
- IMPACT
- DRAWING

IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.

ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IMPLANT.



GENERAL ELEVATION



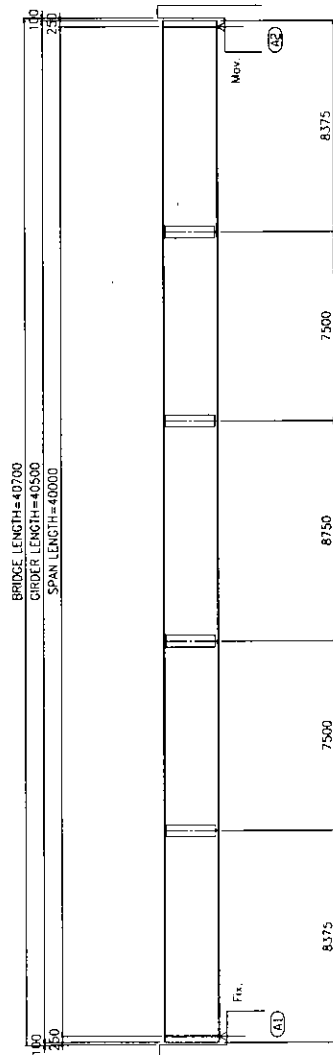
GENERAL PLAN

CA-04-08	Tuga
1	STRUCTURAL DRAWING

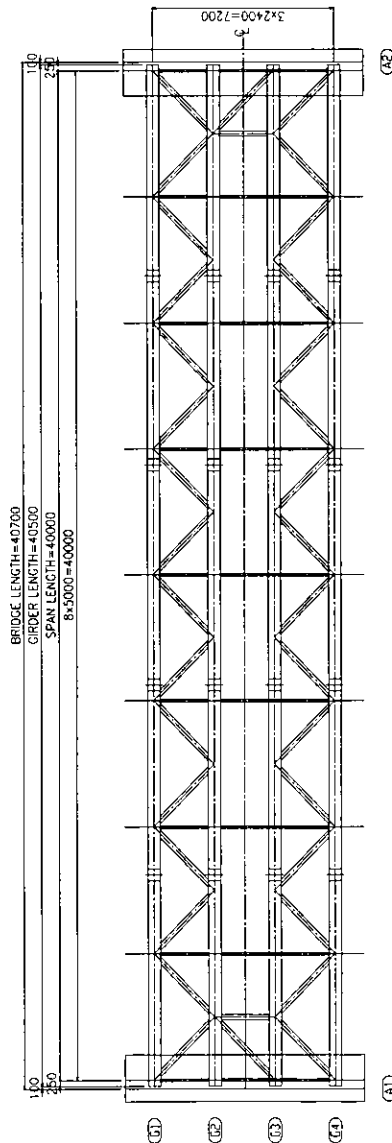
FIGURE 2.2.4.1-58 CA-04-08 TUGA BRIDGE (STRUCTURAL DRAWING)

STRUCTURAL DRAWING

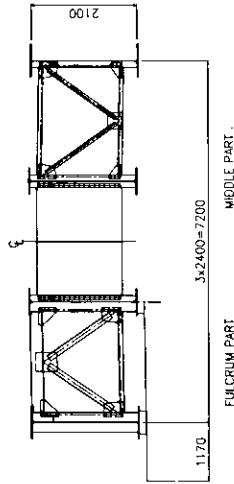
ELEVATION



PLAN



CROSS SECTION



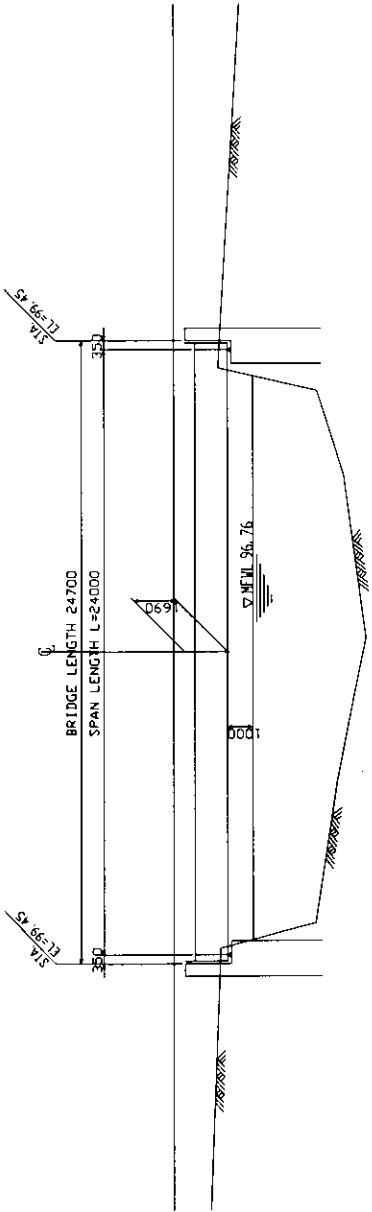
DESIGN CRITERIA

1. DESIGN SPECIFICATION
 THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND
 TRANSPORTATION OFFICIAL (AASHTO) STANDARD SPECIFICATIONS
 FOR HIGHWAY BRIDGES 16 EDITION, 1996.
2. DESIGN LOAD
 - 2.1 DEAD LOAD
 - A CONCRETE 24.00 kN/m³
 - A STEEL 77.00 kN/m³
 - 2.2 LIVE LOAD
 - A. PERMIT DESIGN LOAD (SPECIAL PERMIT REQUIRED BEFORE
 PASSING BRIDGE) 116kN + 214kN + 214kN + 214kN
 - B SIDEWALK LOAD 4.07kN/m²
 - 2.3 IMPACT
 IN ACCORDANCE WITH DIVISION 1 OF AASHTO SPEC.
3. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS
 OTHERWISE SHOWN IMPLANT.

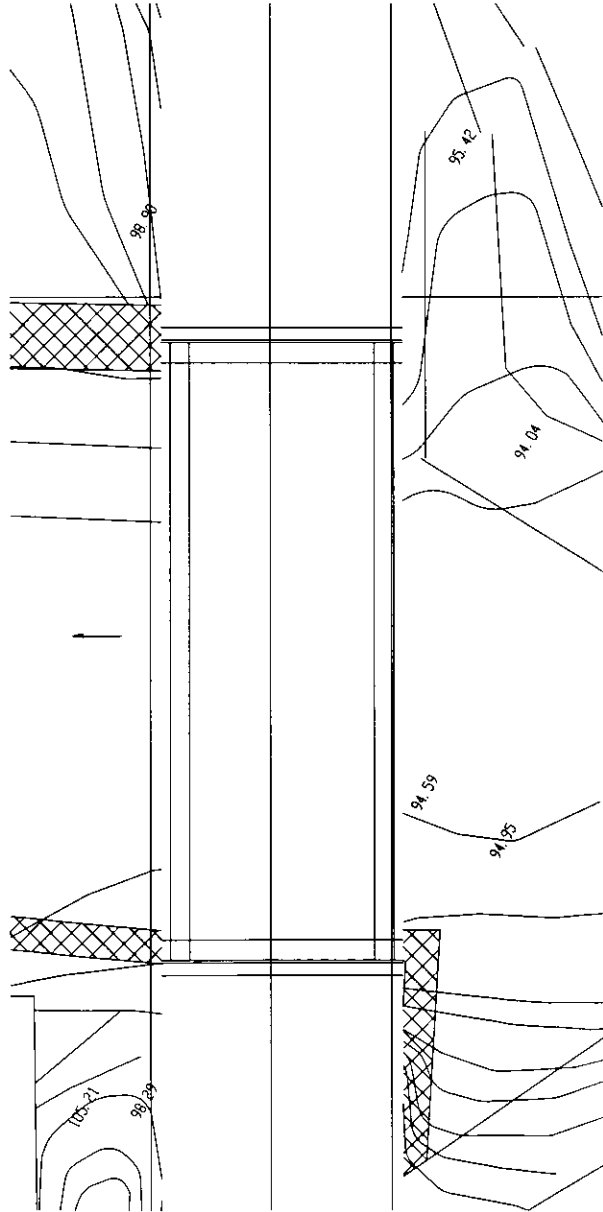
CA-04-12	Salagunting
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-60 CA-04-12 SALAGUNTING BRIDGE (STRUCTURAL DRAWING)

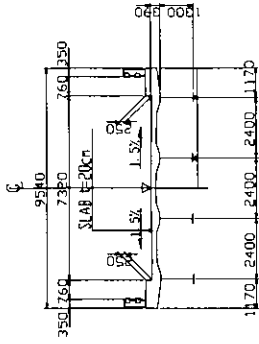
GENERAL VIEW



ELEVATION



PLAN



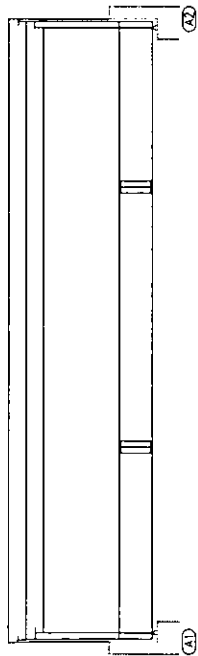
CROSS SECTION

CA-05-02	Amolong
- 0	GENERAL VIEW

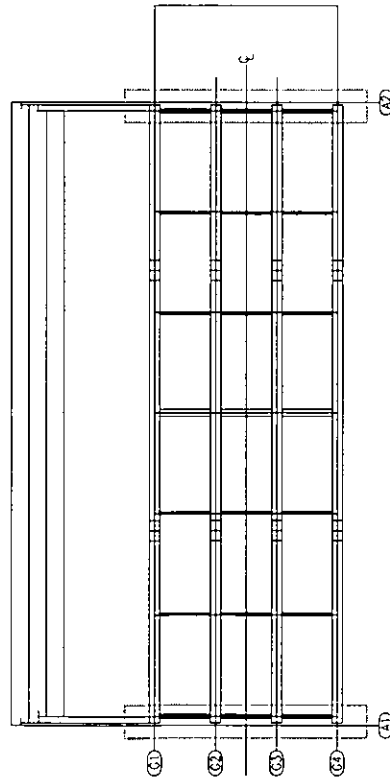
FIGURE 2.2.4.1-61 CA-05-02 AMOLONG BRIDGE (GENERAL VIEW)

STRUCTURAL DRAWING

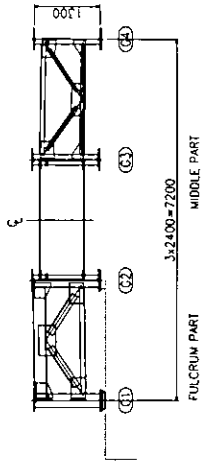
ELEVATION



PLAN



CROSS SECTION

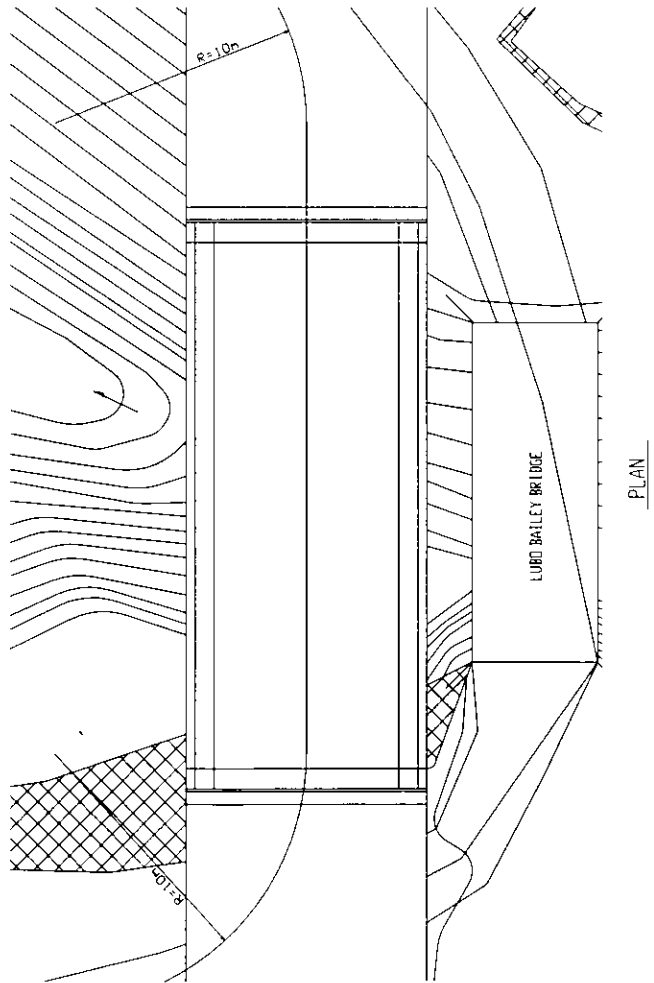
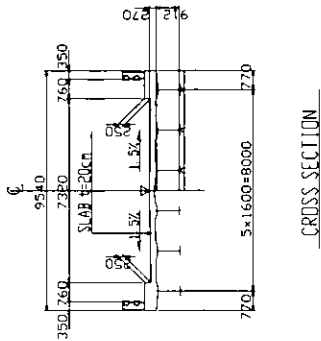
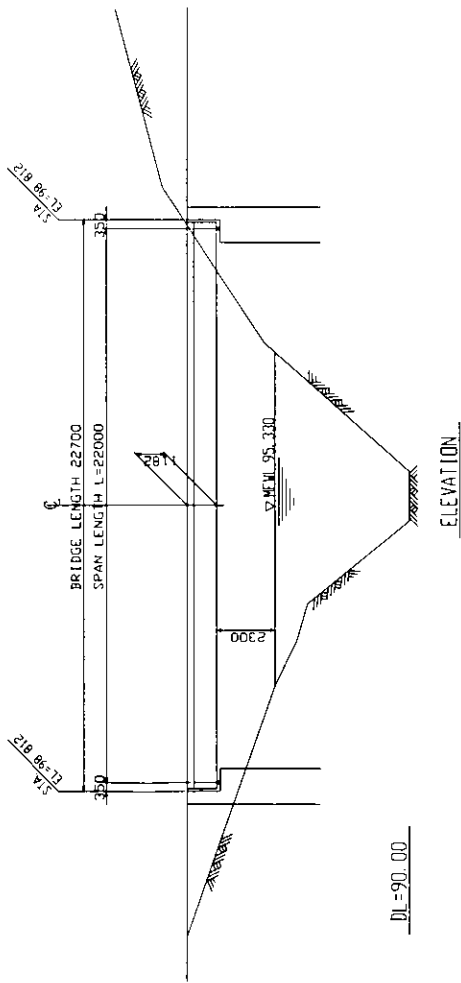


1. DESIGN SPECIFICATION
JAPANESE SPECIFICATIONS FOR ROAD BRIDGES (DEC. 1996)
2. DESIGN LOAD
 - 2.1 DEAD LOAD : CONCRETE 24.5 KN/m³
 - ROADWAY LIVE LOAD B-GRADE LIVE LOAD
 - 2.2 LIVE LOAD : SIDEWALK LIVE LOAD 3.5 KN/m²
- 2.3 TEMPERATURE CHANGE : RISE +30° ; FALL -30°
- 2.4 EARTHQUAKE LOAD : SEISMIC ACCELERATION = 0.20
- 2.5 OTHER LOAD : IN ACCORDANCE WITH JAPANESE SPECIFICATION FOR ROAD BRIDGES
3. MATERIALS
 - 3.1 STEEL FOR SUPERSTRUCTURE : STEEL SHALL BE SPECIFIED BY JIS GRADE
 - 3.2 OTHERS : OTHER MATERIALS SHALL CONFORM TO JIS.
4. DRAWING
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANS

CA-05-02	Amolong
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-62 CA-05-02 AMOLONG BRIDGE (STRUCTURAL DRAWING)

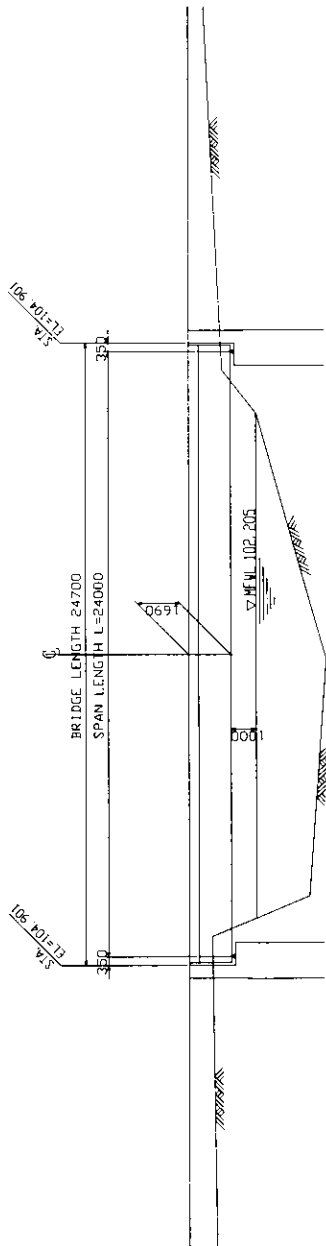
GENERAL VIEW



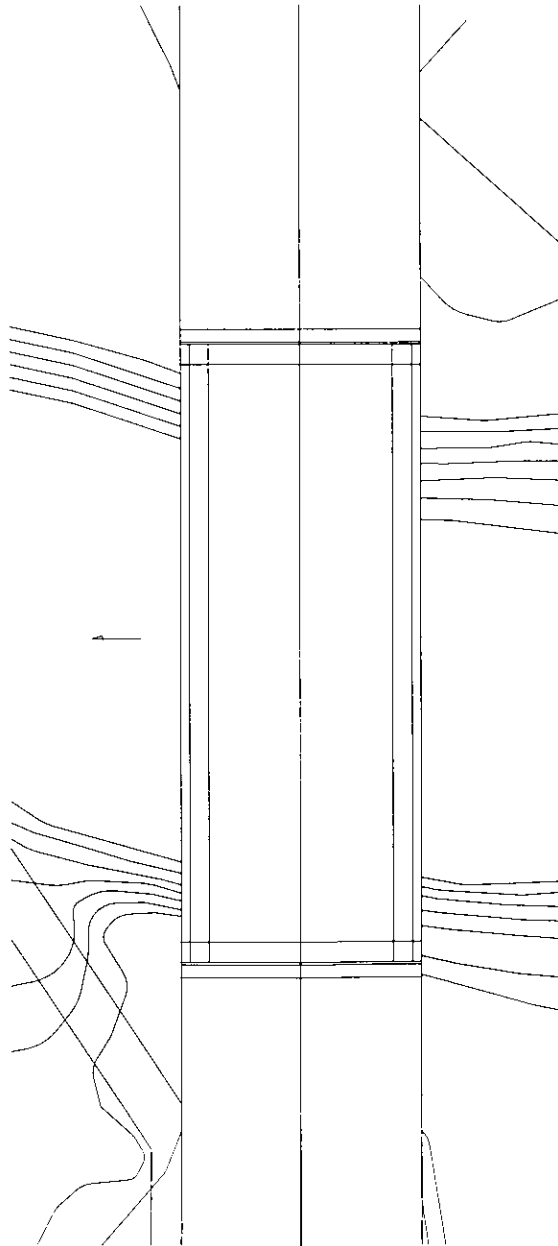
CA-05-05	Lubo
0	GENERAL VIEW

FIGURE 2.2.4.1-63 CA-05-05 LUBO BRIDGE (GENERAL VIEW)

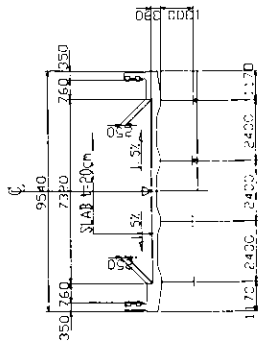
GENERAL VIEW



ELEVATION



PLAN



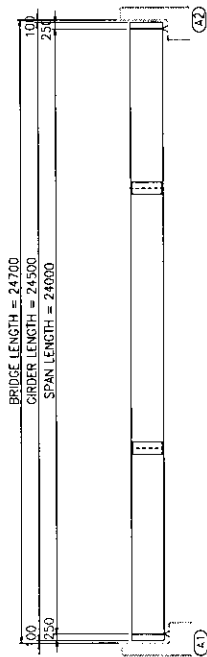
CROSS SECTION

CA-05-06	Masablang II
0	GENERAL VIEW

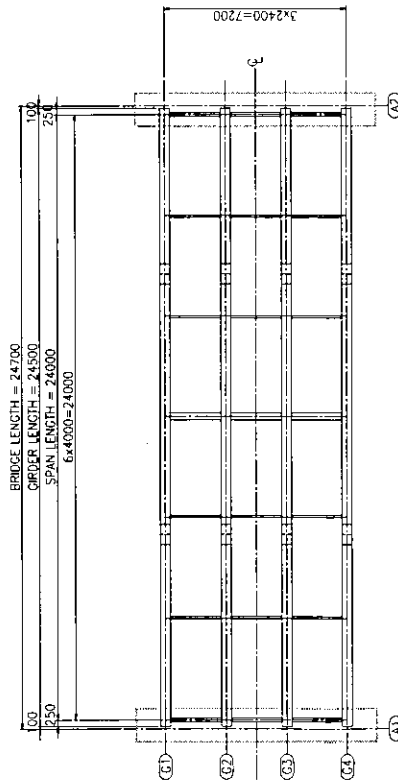
FIGURE 2. 4. 1-65 CA-05-06 MASABLANG II BRIDGE (GENERAL BRIDGE)

STRUCTURAL DRAWING

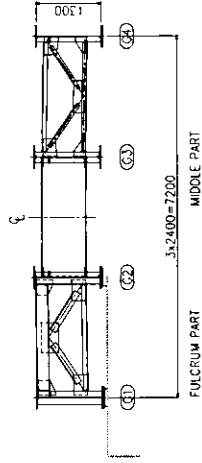
ELEVATION



PLAN



CROSS SECTION



1. DESIGN SPECIFICATION
 JAPANESE SPECIFICATIONS FOR ROAD BRIDGES (DEC. 1996)
2. DESIGN LOAD
 - 2.1 DEAD LOAD : CONCRETE 24.5 KN/m³
 - 2.2 LIVE LOAD : ROADWAY LIVE LOAD B-GRADE LIVE LOAD
 - 2.3 LIVE LOAD : SIDEWALK LIVE LOAD 3.5 KN/m²
 - 2.3 TEMPERATURE CHANGE : RISE +30° ; FALL -30°
 - 2.4 EARTHQUAKE LOAD : SEISMIC ACCELERATION = 0.20
 - 2.5 OTHER LOAD : IN ACCORDANCE WITH JAPANESE SPECIFICATION FOR ROAD BRIDGES
3. MATERIALS
 - 3.1 STEEL FOR SUPERSTRUCTURE : STEEL SHALL BE SPECIFIED BY JIS GRADE.
 - 3.2 OTHERS : OTHER MATERIALS SHALL CONFORM TO JIS.
4. DRAWING
 ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN PLANS

CA-05-06	Masoblang II
1	STRUCTURAL DRAWING

FIGURE 2.2.4.1-66 CA-05-06 MASBLANG II BRIDGE (STRUCTURAL DRAWING)