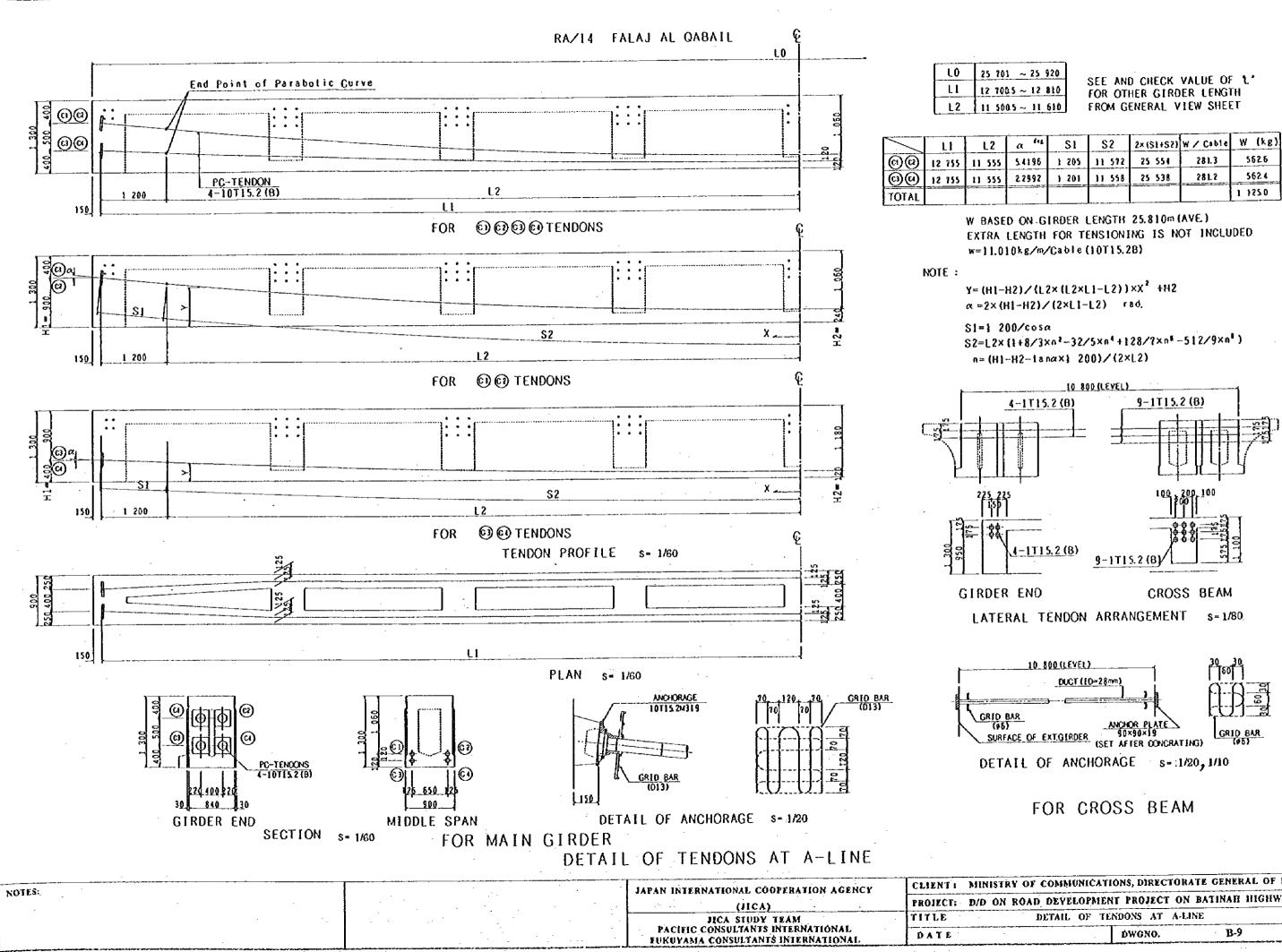


LI	25	701	~	25	920
L2	3	038	~	3	147.5
13	2	538	~	2	647.5

- MAX., MIN. VALUE OF L SEE AND CHECK VALUE OF L OF PER GIRDER FROM GENERAL VIEW SHEET (DIMENSION LIST)
 - CONSIDERING THE EFFECT LONGITUDINAL SLOPE (IN) TO END GIRDER BOTH ENDS SHOULD BE FIXED PALLAREL TO Y-AXIS
 - TRANSVERSE TENDONS FOR END DIAPHRAGMS SHALL BE ALIGNED WITH SKEW ANGLE &

Ţ REMARKS ો દા<u>ર</u> 20 NON NOV 21 (11) (P) F1X 29 Ö Ø (1) NOV. 22 (P) FIX 21 (FA) - (P) 10V. 23 (PA) FIX (m)26 (PA) MOV. 24 (B) FIX 25 (P) MOV. (PS) 25 FIX 24 NOV 24

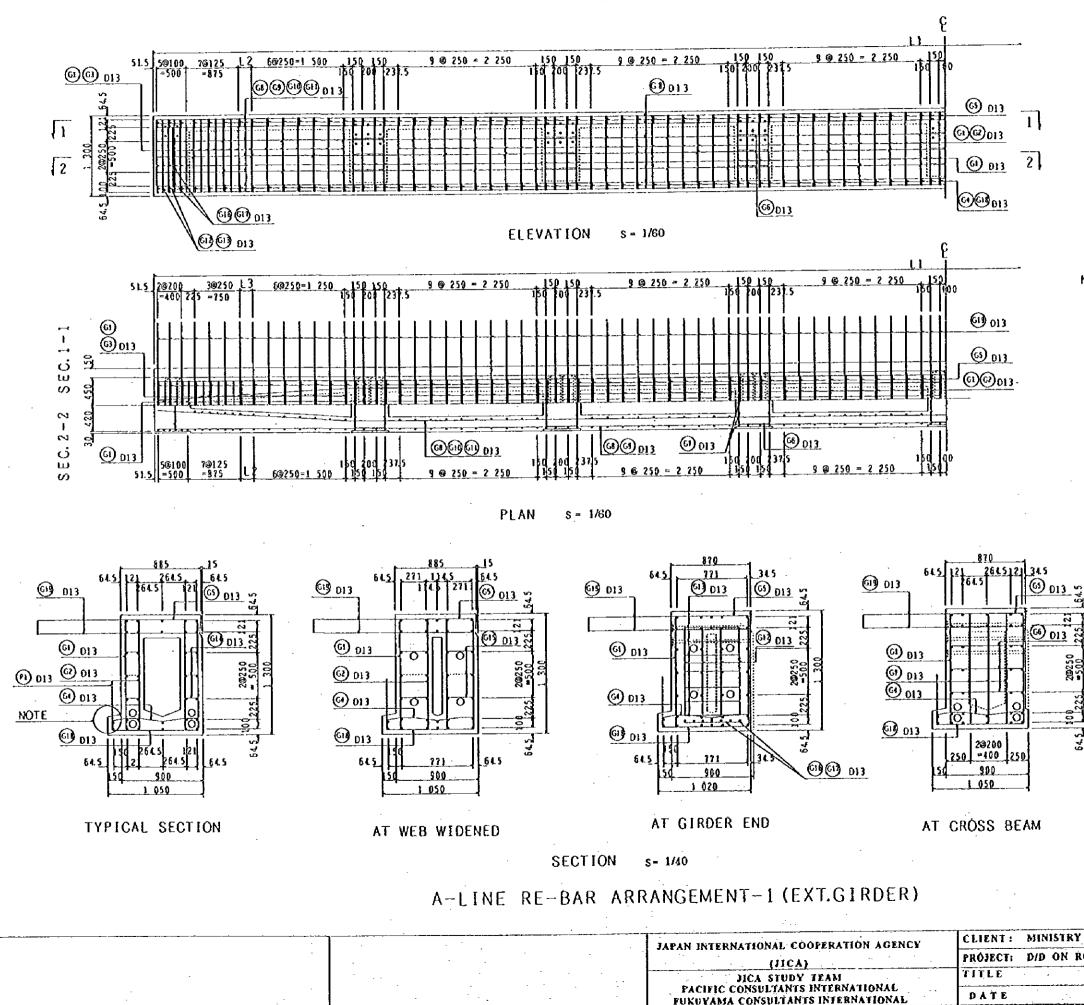
OF COMMUNIC	ATIONS, DIRECTORATE GENERAL OF ROADS
AD DEVELOPM	IENT PROJECT ON BATINAH HIGHWAY
CTURAL DETAIL	L OF MAIN GIRDER AT A-LINE
	DWGNO. B-8



~	25	920
~	12	810
~	11	610

x det	<u>\$1</u>	S2	2×(\$1+\$2)	W / Cable	W (kg)
4196	1 205	11 572	25 554	281.3	5828
2992	1 201	11 558	25 538	281.2	562.4
					1 1220

OF COMMUN	li¢	ATIONS, DIREC	TORATE GENERAL OF ROADS
OAD DEVELO	PN	IENT PROJECT	ON BATINAH HIGHWAY
DETAIL C)F	TENDONS AT	A-LINE
		DWONO.	B-9



NOTES:

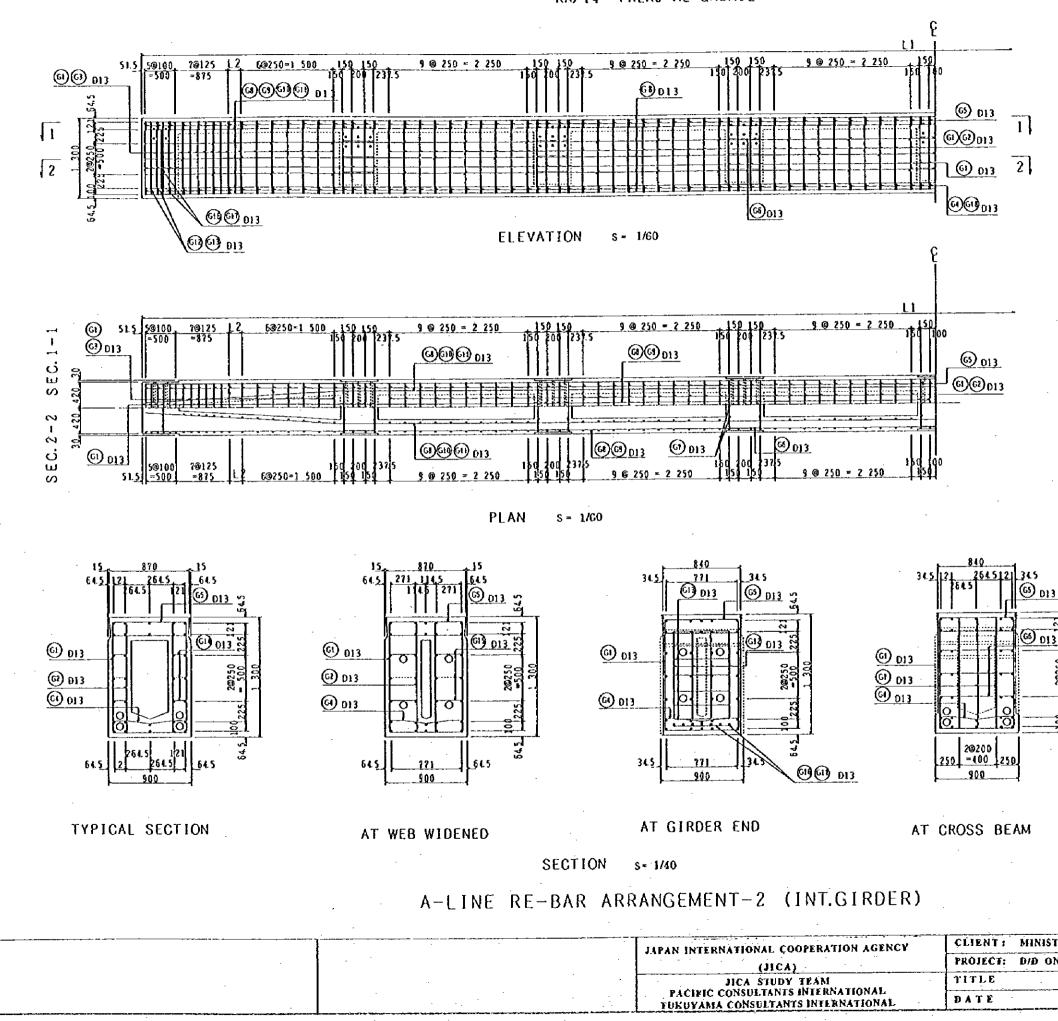
U 1	25 701 ~ 25 920
12	111.5 ~ 221.0
ί3	111.5 ~ 221.0

SEE AND CHECK VALUE OF 1' FOR OTHER EXT.GIRDER LENGTH FROM GENERAL VIEW SHEET

NOTE :

FOR ALTERNATIVE CONSTRUCTION JOINT, INSERT INSIDE THREADED JOINT TO HANDLE PLANTED VERTICAL BAR

OF COMMUNICATI	ONS, DIRECTO	ATE GENERAL OF ROAL)S
AD DEVELOPMEN	T PROJECT O	N BATINAH HIGHWAY	
RE-BAR ARRANGE	MENT(17) AT	A LINE	
· · · ·	DWGNO.	B-10	



NOTES:

LI 25 722 ~ 25 898 L2 1220 ~ 2100

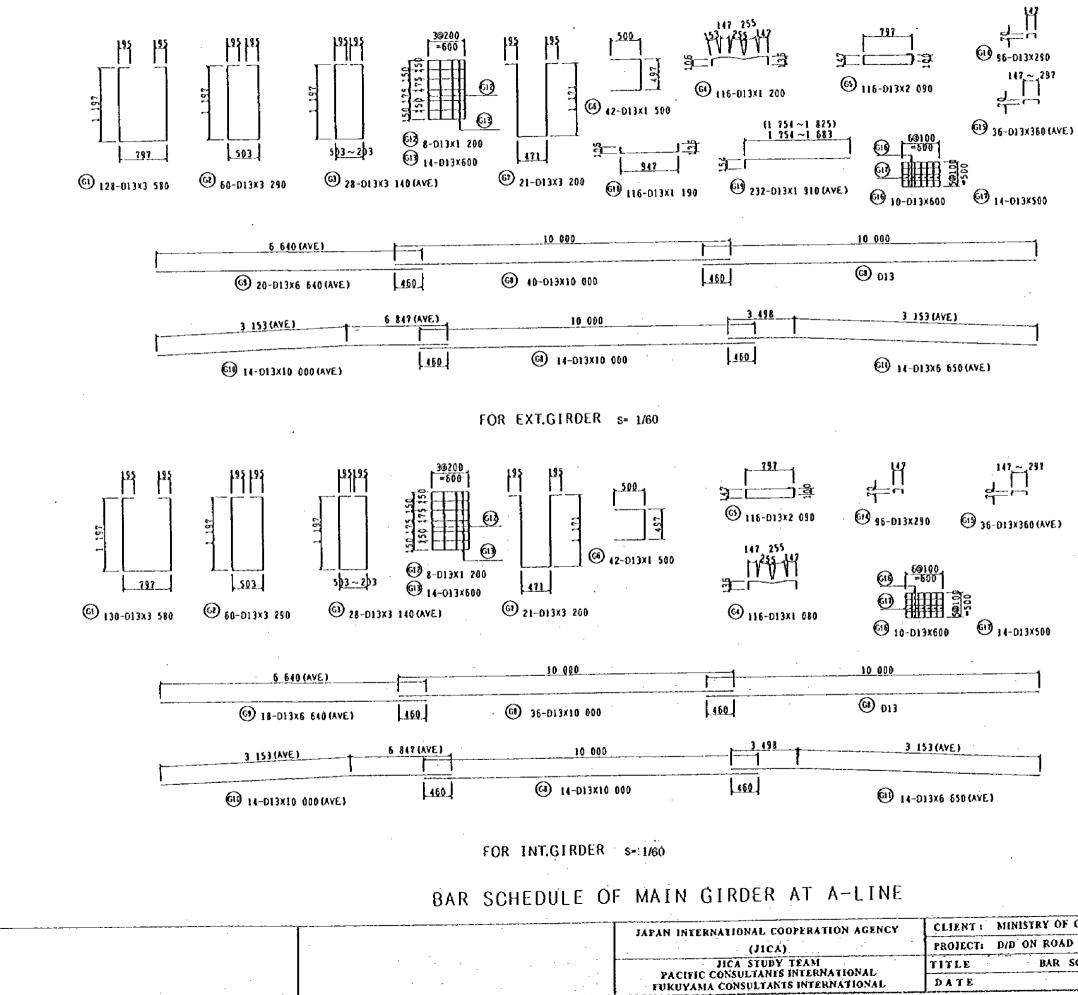
SEE AND CHECK VALUE OF L' FOR OTHER INT.GIRDER LENGTH FROM GENERAL VIEW SHEET

 CLIENT:
 MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

 PROJECT:
 D/D ON ROAD DEVELOPMENT PROJECT ON BATINAM HIGHWAY

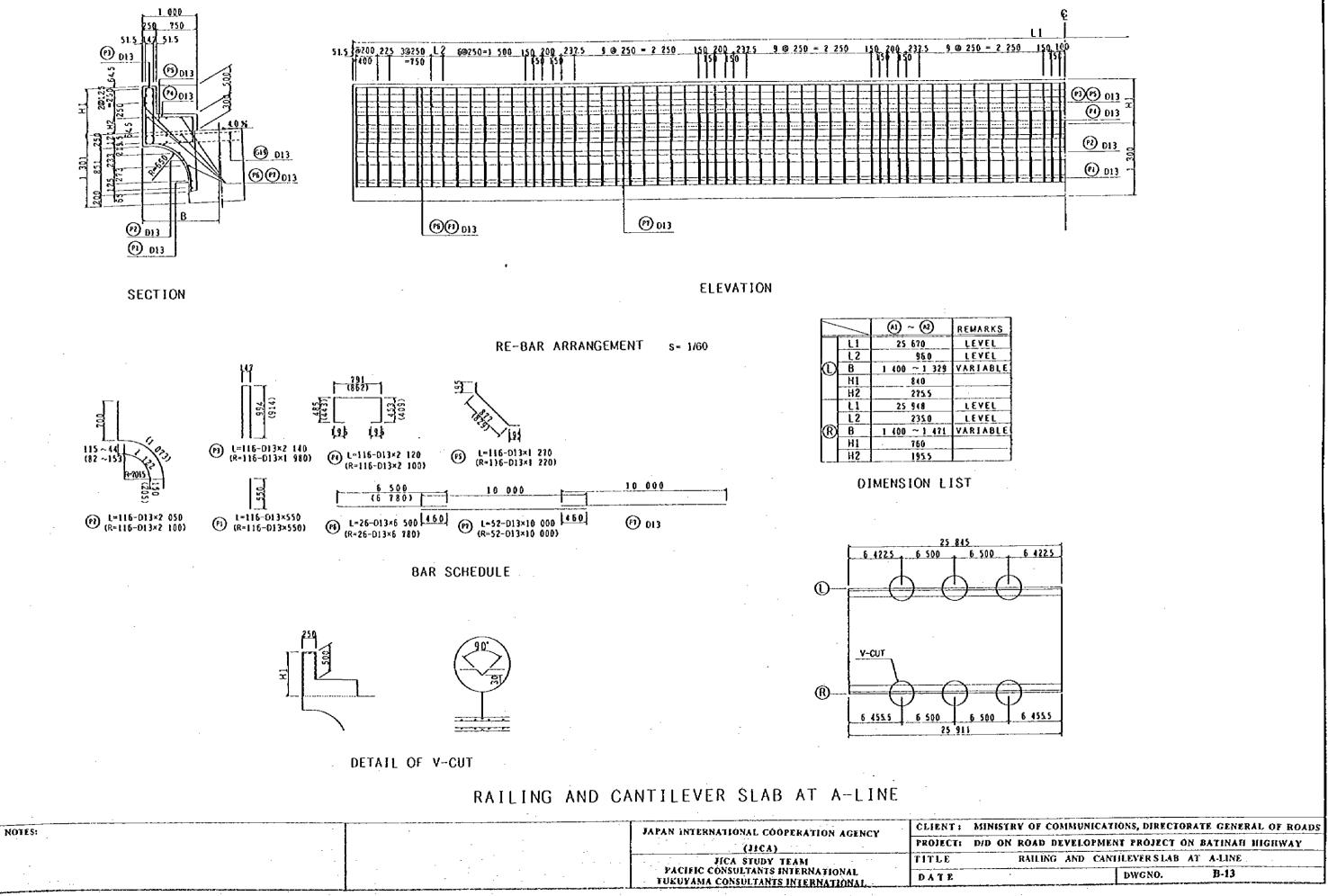
 TITLE
 RE-BAR ARRANGEMENT(2/2) AT A-LINE

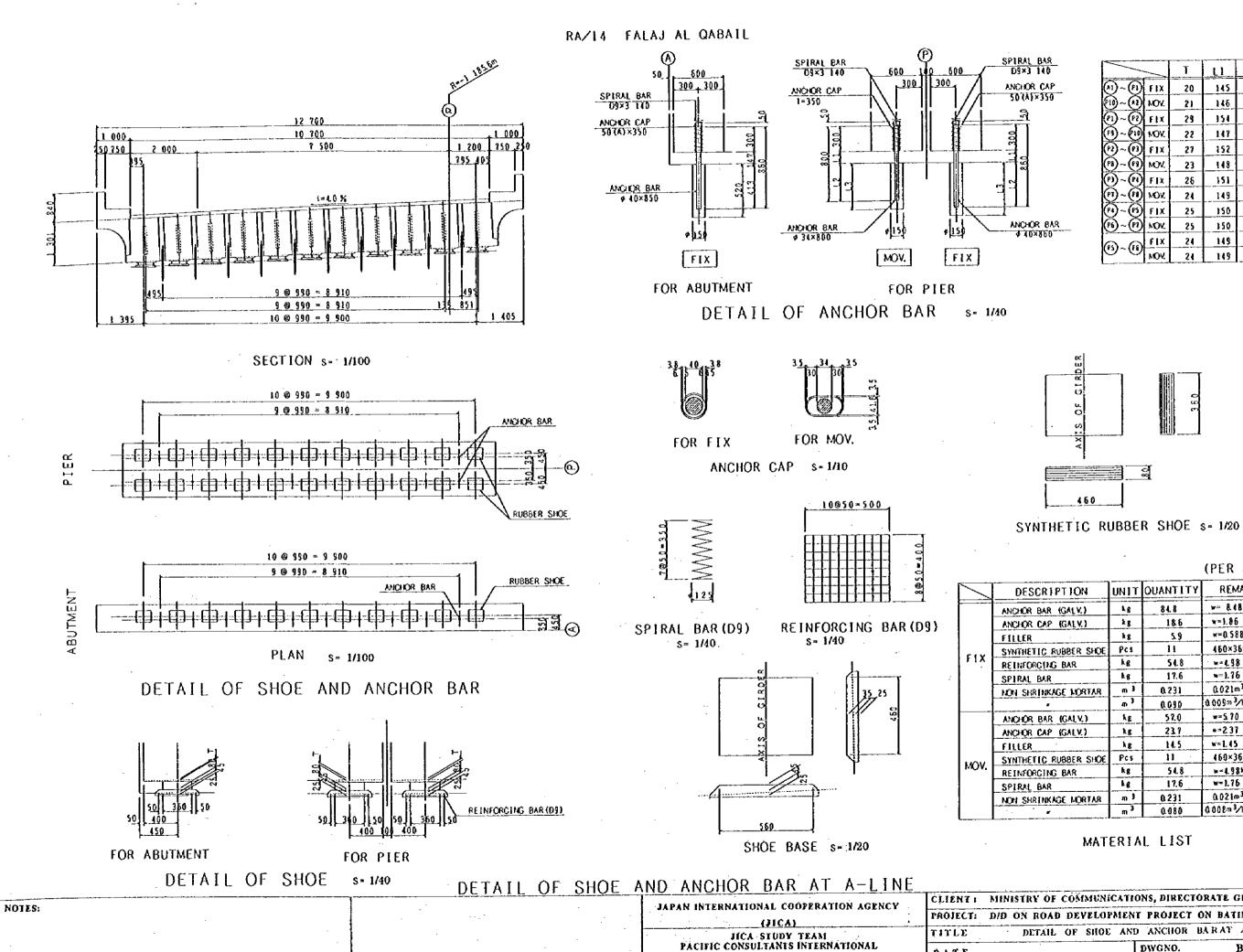
 DATE
 DWGNO.



NOTES:

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF RUAD PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY BAR SCHEDULE OF MAIN GIRDER AT A-LINE B-12 DWGNO.





1

R						
0			T	<u>u</u>	L2_	<u>L</u> 3
AP	(1)~(1)	FIX	20	145	(15	520
50	$\overline{10} \sim \overline{10}$	NOV.	21	145	354	460
	(1)~(1)	FLX	29	154	405	520
	(Ð~@)	NOV.	22	147	353	460
	<u>@~@</u>	F1X	27	152	408	520
	®~@	MOV.	23	148	352	460
	<u>@~@</u>	FIX	25	151	609	520
	@~@	MOV.	24	149	351	460
	@~@	FIX	25	150	410	520
BAR	<u>(P)</u> ~(P)	NOV.	25	150	350	460
50	(1)~(1)	FLX	24	149	411	520
	0~0	YOM.	24	149	351	46 0

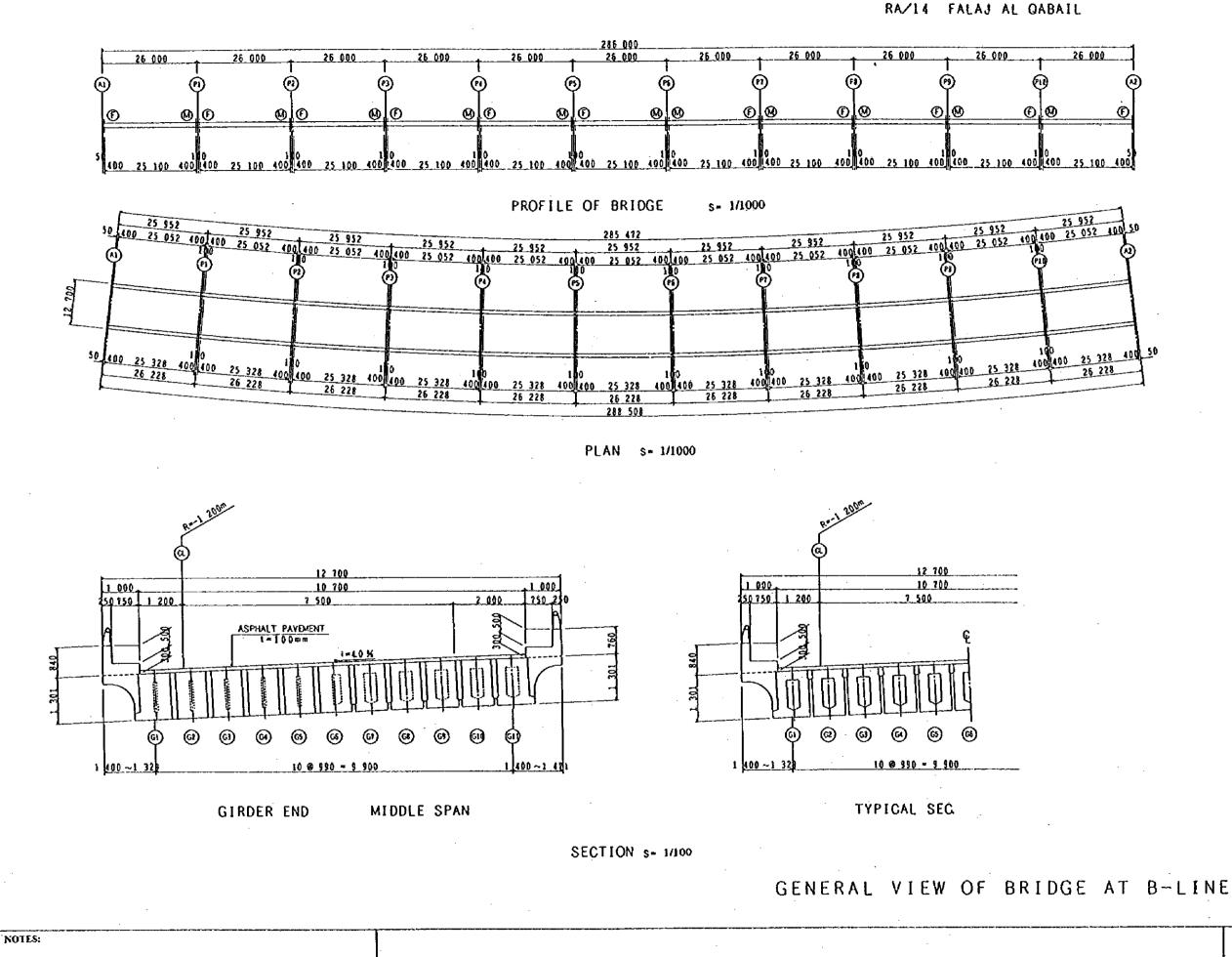
(PER SPAN)

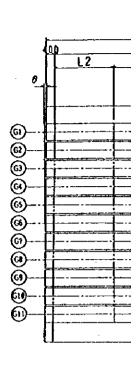
UNIT	OUANTITY	REMARKS
Lg	84.8	v= 8.48 hg/pc.
kg	18.6	w=1.85 kg/pc.
kg	5.9	w=0.588 kg/anc
Pes	11	460×360×80
kg	54.8	w=4.98 kg/Set
kg	17.6	w=1.76 kg/pc.
m 3	0.231	0.021m ³ /Shoe
س 3	0.090	0.009m3/Hole (AVE
kg	57.0	w=5.70 kg/pc.
kg	23.7	*=237 kg/pc.
kg	14.5	w=1.45 kg/anc,
Pcs	11 -	460×360×80
kg	54.8	w=4.98kg/Se1
18	17.6	w=1.76 kg/oc.
₁₀ 3	0.231	0.021m ³ /Shoe
រា 3	0.080	0.002m3/Hole (AVE)
	Lg kg kg kg m 3 m 3 hg hg hg hg kg kg m 3 m m hg hg hg hg hg hg hg hg hg hg	kg 18.6 kg 5.9 Pcs 11 kg 54.8 kg 17.6 m ³ 0.231 m ³ 0.090 kg 57.0 kg 14.5 Pcs 11 kg 54.8 kg 17.6 m ³ 0.910 kg 54.8 kg 14.5 Pcs 11 kg 54.8 kg 17.6 m ³ 0.231

ĎĂŤĔ

FUKUYAMA CONSULTANTS INTERNATIONAL

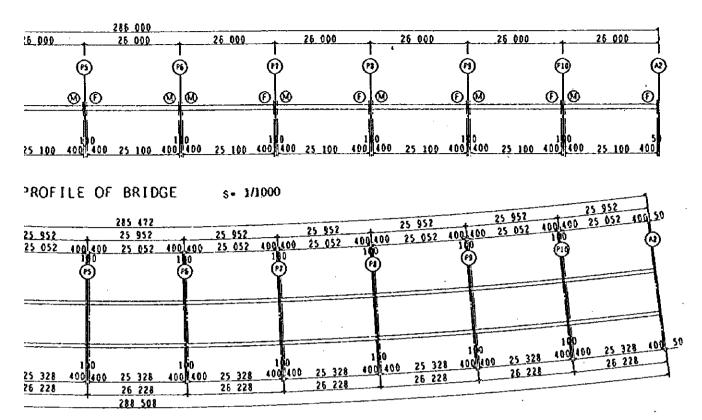
ÓF	ĊÓM	IMUNİ	CATIO	NS, DIRECT	ORATE	GENERAL OF ROA
OAD	DE	VELOP	MENT	PROJECT	ON BAT	INAH BIGHWAY
TAIL	OF	SILOE	AND	ANCHOR	BARAT	A-LINE
	· · ·	. :		DWGNO.		B-14



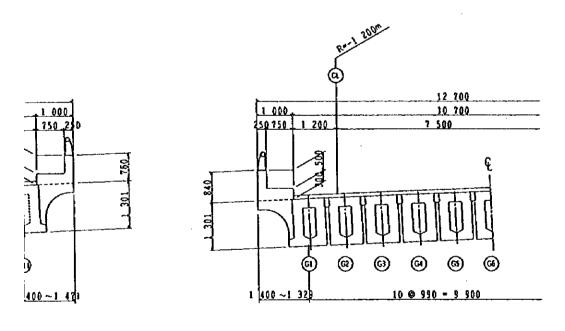


		<u>G1</u>	G2
	LO	25 883	25 90
(4)~(2)	L1	25 083	25 1
0~0	L2	3 129.0	3 14(
	0		
	LO	25 882	25 90
(n)~(n)	<u>l</u> 1	25 082	25 10
@~@	ι2	3 128.5	3 139
	8		
	10	25 883	25 90
ฅ~ฅ	<u>[]</u>	25 083	25 11
	L2	3 128.0	3 14
	0		
	LO	25 884	25 9
(1)~(1)	L1	25 084	25 1
	L2	3 129.5	3 14
	8		
	LO	25 885	25 9
(1)~?	<u></u>	25 085	25 1
	<u>L2</u>	3 130.0	3 14
	0		

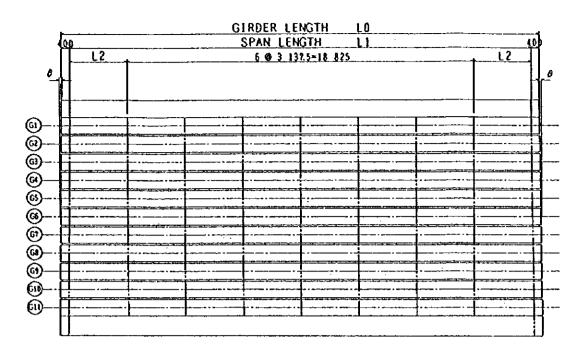
JAPAN INTERNATIONAL COOPE		
(JICA)		
JICA STUDY TEA PACIFIC CONSULTANTS INTE		
FUKUYAMA CONSULTANTS IN		



PLAN s= 1/1000



TYPICAL SEG.



GIRDER LENGTH

		G1	G2	G3	G4	G5	Gð	67	G8	G §	G10	611	REMARKS
	LO	25 883	25 905	25 925	25 948	25 969	25 991	26 012	26 033	28 055	26 076	25 098	INCLINED LENGTH
(1)~(2)	LÌ	25 083	25 105	25 125	25 148	25 169	25 191	25 212	25 233	25 255	25 276	25 298	•
0~@	L2	3 129.0	3 140.0	3 150.0	3 161.5	3 1720	3 1830	3 1935	3 204.0	3 215.0	3 225 5	3 2365	•
1	8	-					0.62083						
	LO	25 882	25 901	25 925	25 946	25 988	25 989	25 011	26 032	26 054	26 075	26 097	INCLINED LENGTH
(ก~ค)	LI	25 082	25 104	25 125	25 146	25 168	25 189	25 211	25 232	25 254	25 275	25 297	•
0~0	L2	3 128.5	3 139.5	3 150.0	3 160.5	3 1715	3 182.0	3 1930	3 2035	3 214.5	3 225.0	3 2360	•
	0						0.62083						
	LO	25 883	25 905	25 926	25 948	25 989	25 591	25 012	26 033	26 855	26 076	26 098	INCLINED LENGTH
<u>ค</u> ~ค	L1	25 083	25 105	25 126	25 14B	25 169	25 191	25 212	25 233	25 255	25 276	25 298	
	L2	3 129.0	3 140.0	3 150.0	3 161.5	3 272.0	3 1830	3 1935	3 204.0	3 215.0	3 225.5	3 2365	
	Ø						0.62083						
	LO	25 884	25 905	25 927	25 948	25 970	25 991	26 013	26 034	26 055	26 077	26 098	INCLENED LENGTH
(P)~(P)	LI	25 084	25 105	25 127	25 148	25 170	25 191	25 213	25 234	25 256	25 211	25 298	,
	L2	3 129.5	3 140.0	3 151.0	3 161.5	3 1725	3 1830	3 1960	3 204.5	3 2155	3 226.0	3 2355	•
	0						0.62083				-		
	LO	25 885	25 906	25 928	25 949	25 971	25 992	26 014	26 035	26 056	26 078	26 099	INCLINED LENGTH
(P) ~ (R)	LI	25 085	25 106	25 128	25 149	25 171	25 192	25 214	25 235	25 256	25 278	25 299	
	L2	3 1300	3 140.5	3 151.5	3 162.0	3 1730	3 1835	3 1945	3 205.0	3 215.5	3 226.5	3 237.0	•
	θ						0.52083				•	-	

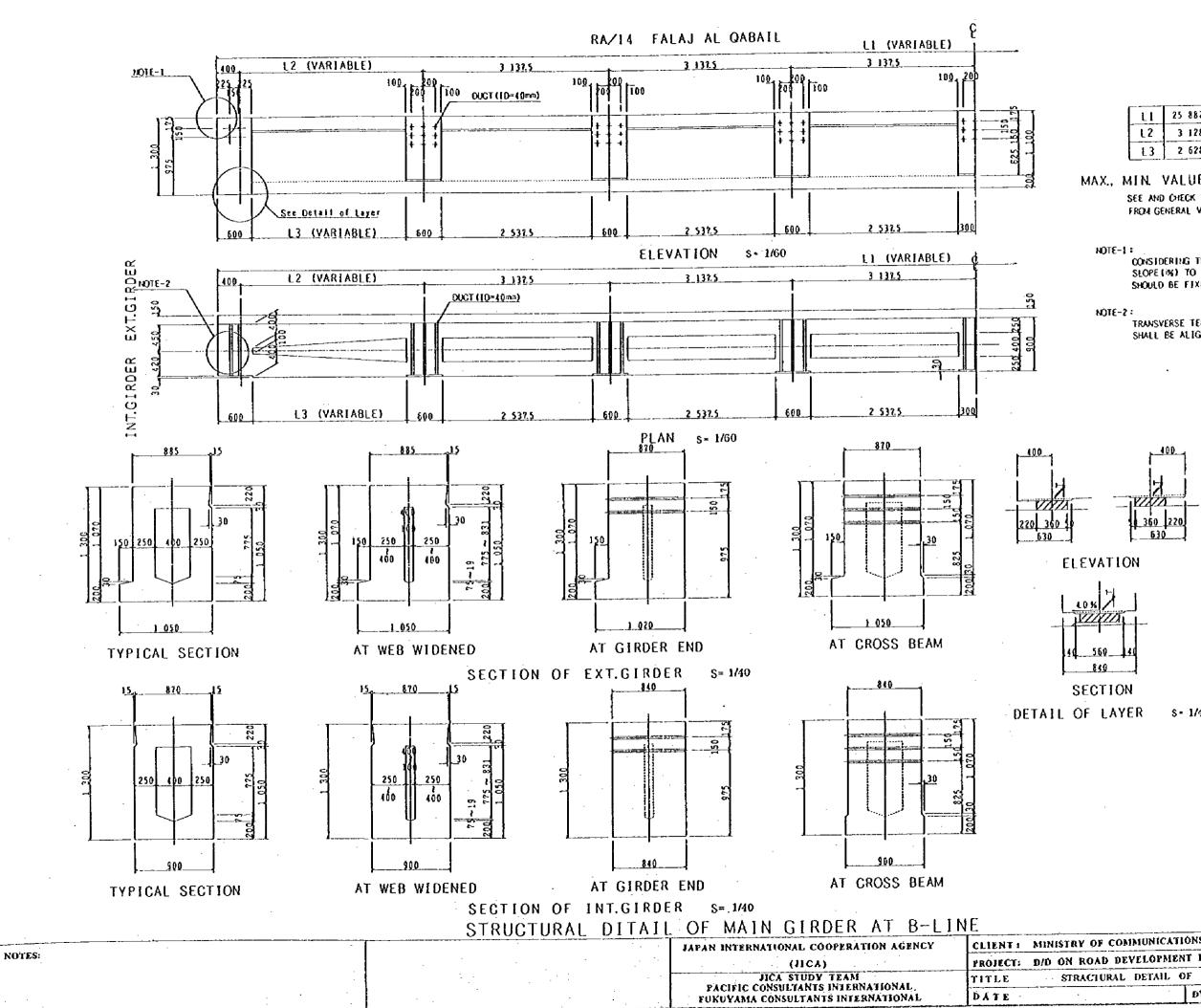
DIMENSION LIST FOR B-LINE

SECTION s= 1/100

GENERAL VIEW OF BRIDGE AT B-LINE

(JICA) PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIC JICA STUDY TEAM TITLE GENERAL VIEW OF BRIDGE AT B-LINE PACIFIC CONSULTANTS INTERNATIONAL D D D D D	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINISTRY OF COMMUNICAT	IONS, DIRECT	ORATE GENERAL OF ROA
PACIFIC CONSULTANTS INTERNATIONAL	(JICA)	PROJECT:	D/D ON ROAD DEVELOPME	NT PROJECT	ON BATINAH HIGHWAY
		TITLE	GENERAL VIEW	OF BRIDGE	AT B-LINE
FUKUYAMA CONSULTANTS INTERNATIONAL DATE DWGRO. B-15	FUCHIC CONSULTANTS INTERNATIONAL	DATE		DWGNÔ.	B-15

R=-1 200m (AT CL)



- . . - .

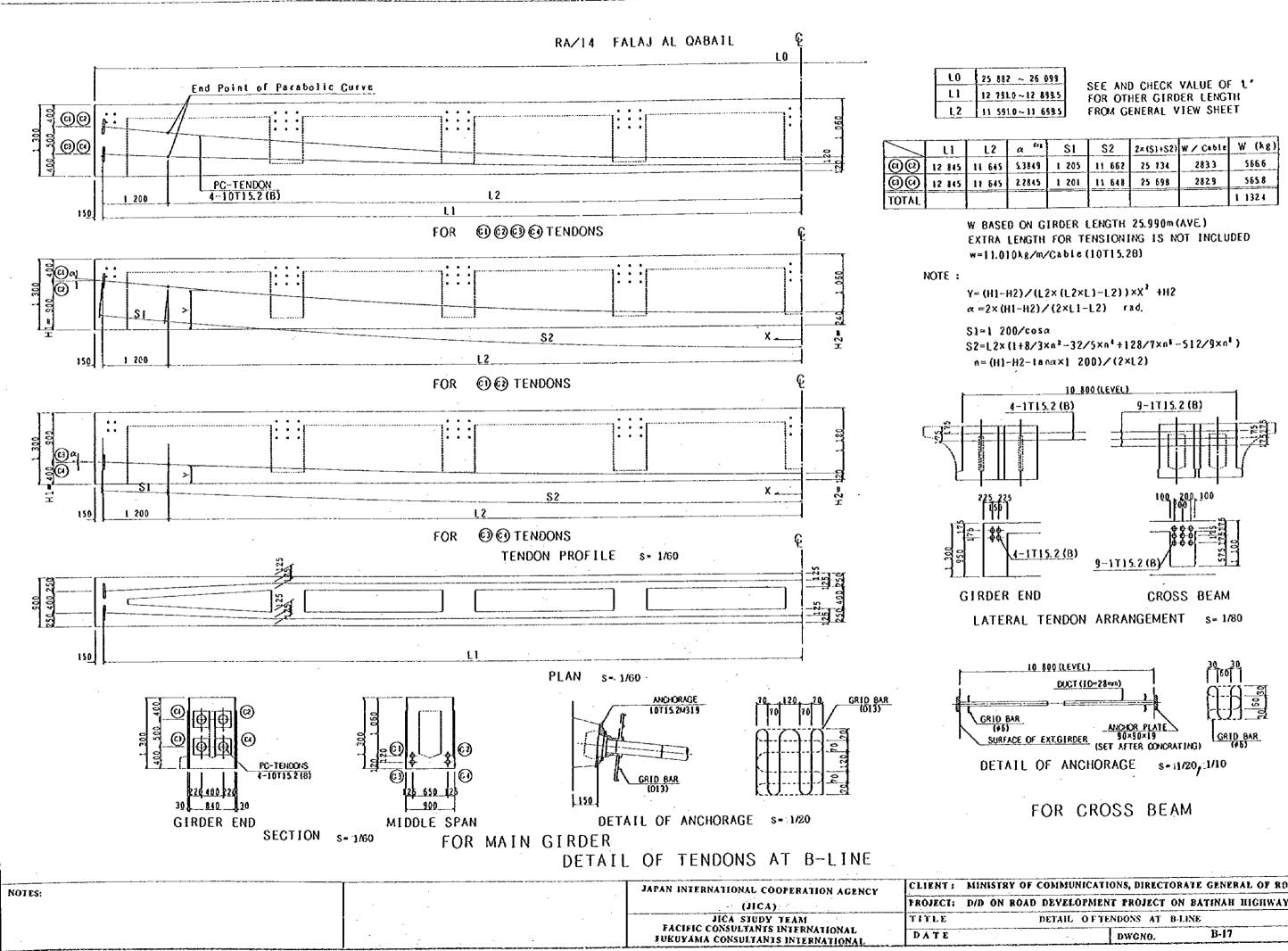
LI	25	882	~	26	699
12	3	1285	~-	3	237.0
L3	2	6285	~	2	737.0

- MAX., MIN. VALUE OF L SEE AND CHECK VALUE OF L OF PER GIRDER FROM GENERAL VIEW SHEET (DIMENSION LIST)
 - CONSIDERING THE EFFECT LONGITUDINAL SLOPE (1%) TO END GIRDER BOTH ENDS SHOULD BE FIXED PALLAREL TO Y-AXIS
 - TRANSVERSE TENDONS FOR END DIAPHRAGAS SHALL BE ALIGNED WITH SKEW ANGLE O

s- 1/40

		CENERAL OF ROADS
OF COMMUNICATI	ONS, DIRECTORAT	E GENERAL OF ROADS
ROAD DEVELOPMEN	T PROJECT ON B	ATINAH HIGHWAY
ACTURAL DETAIL C	OF MAIN GIRDER	AT B-LINE
	DWGNO.	B-16
	<u> </u>	,

		T	REMARKS
(4)~(9)	FIX	20	
10~0	MOV.	21	
<u>(9</u> ~(2)	FIX	29	
(1)~(1)	MON.	22	
(P)~(P)	FIX	27	
(9)~(9)	MOV.	23	
(P)~(P)	FIX	26	
(P)~(P)	NOV.	24	
@~(5)	FIX	25	
<u>@~@</u>	MOV.	25	
10~10	FIX	24	
0~0	NOV.	24	



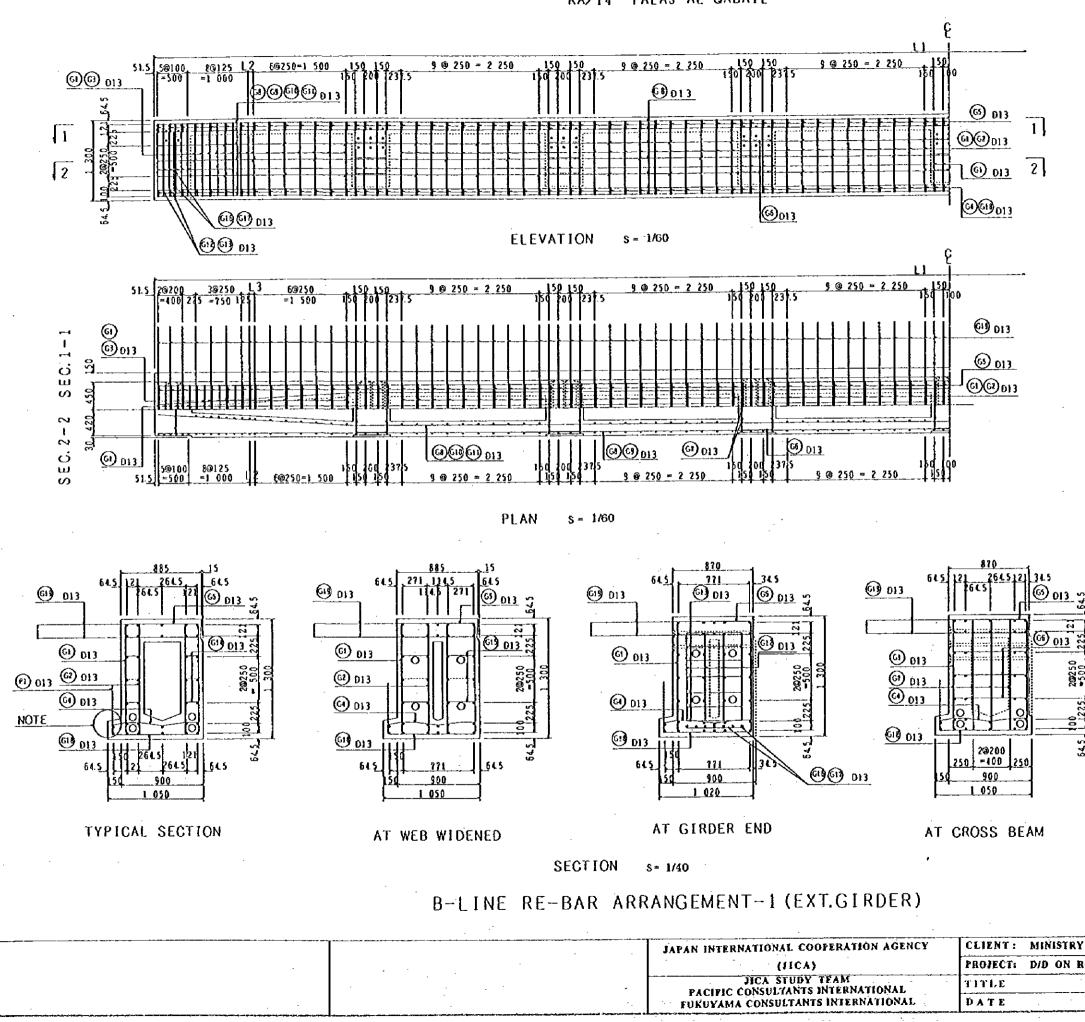
....

~	26	099
~	12	899.5
~	11	699.5

a er	S 1	S2	2×(\$1+\$2)	W / Cable	W (kg)
5.3849	1 205	11 662	25 134	2833	566.6
2.2845	1 201	11 548	25 698	2829	565.8
					1 1324

	DWCNO.	B-17	
DETAIL OFTE	ENDONS AT	B-LINE	
IOAD DEVELOPMEN	T PROJECT	ON BATINAH	ПІСНЖАУ
OF COMMUNICATI	ONS, DIRECT	ORATE GENER	AL OF ROADS
			······





NOTES:

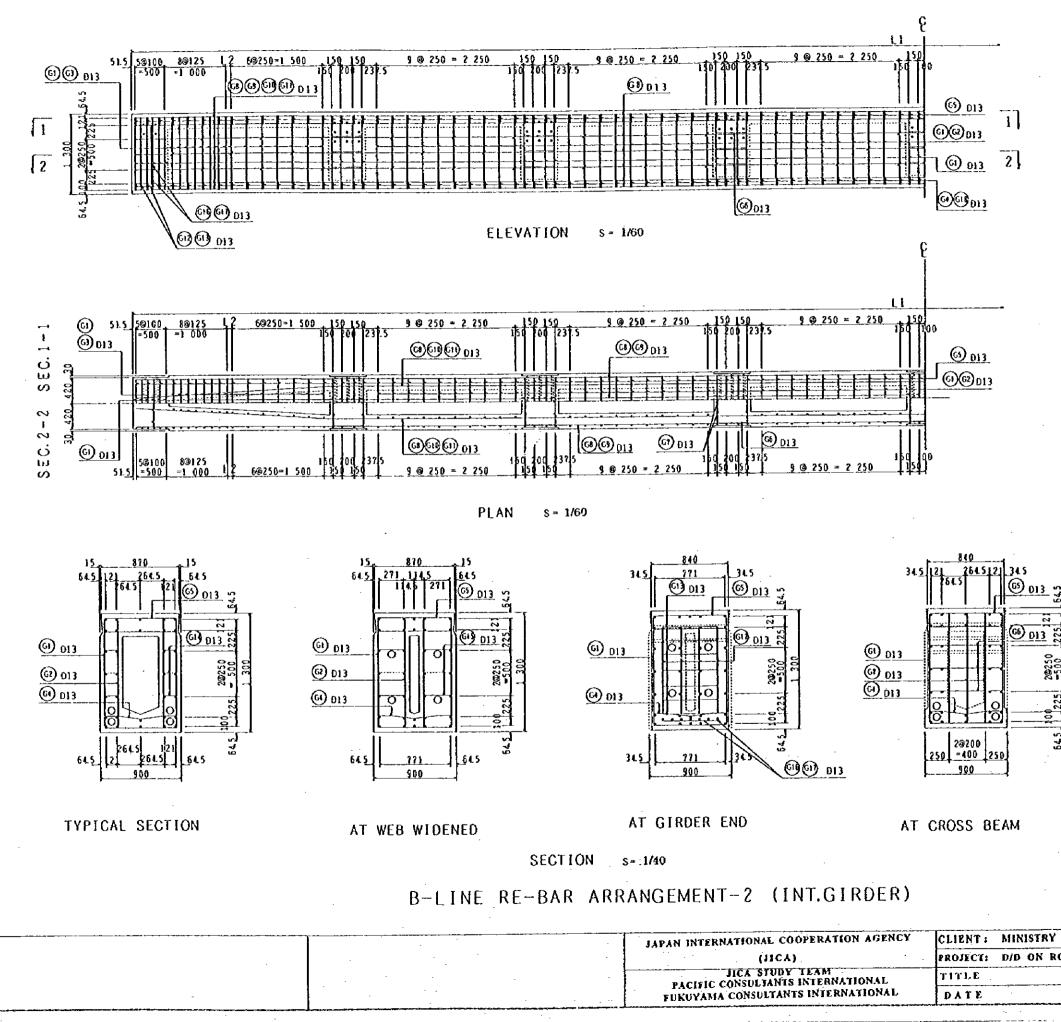
LI	25 882	~_	26 099
L2	77.0	~	185.5
L3	77.0	~	185.5

SEE AND CHECK VALUE OF L' FOR OTHER EXT.GIRDER LENGTH FROM GENERAL VIEW SHEET

NOTE :

FOR ALTERNATIVE CONSTRUCTION JOINT, INSERT INSIDE THREADED JOINT TO HANDLE PLANTED VERTICAL BAR

OF COMM	SUNICATIONS, DIRECT	ORATE GENERAL OF ROADS
OAD DEVI	ELOPMENT PROJECT	ON BATINAR HIGRWAY
RE-BAR	ARRANGEMENT(1/2) AT	F B-LINE
	DWGNO.	B-18



NOTES:

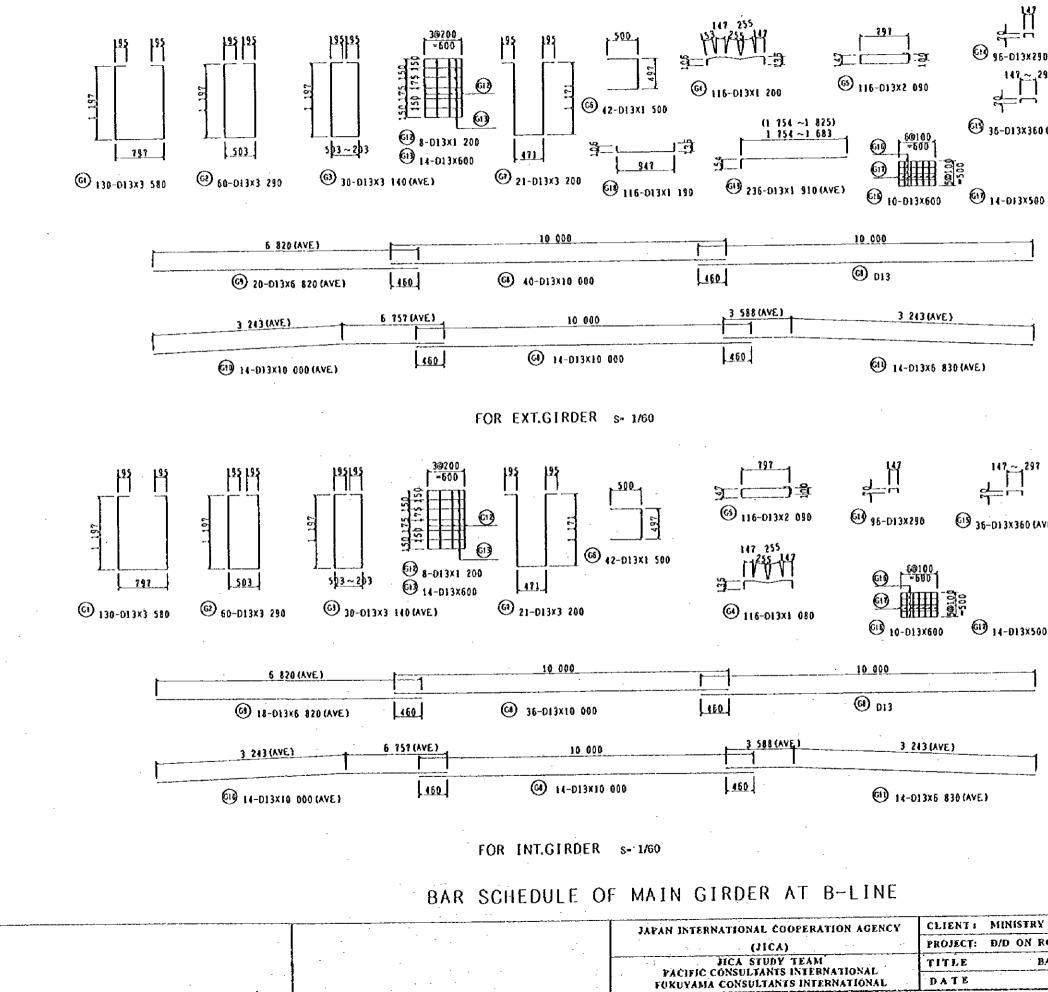
25 904 ~ 26 078 LI L 2 88.0 ~ 175.0

SEE AND CHECK VALUE OF 1' FOR OTHER INT.GIRDER LENGTH FROM GENERAL VIEW SHEET

OF COMMUNICAT	IONS, DIRECTO	RATE GENERAL OF R	OADS
DAD DEVELOPME	NT PROJECT O	N BATINAH HIGHWA	¥ .
RE-BAR ARKAN	GEMENT(2/2) AT	B-LINE	
	DWGNO.	B-19	

ğ

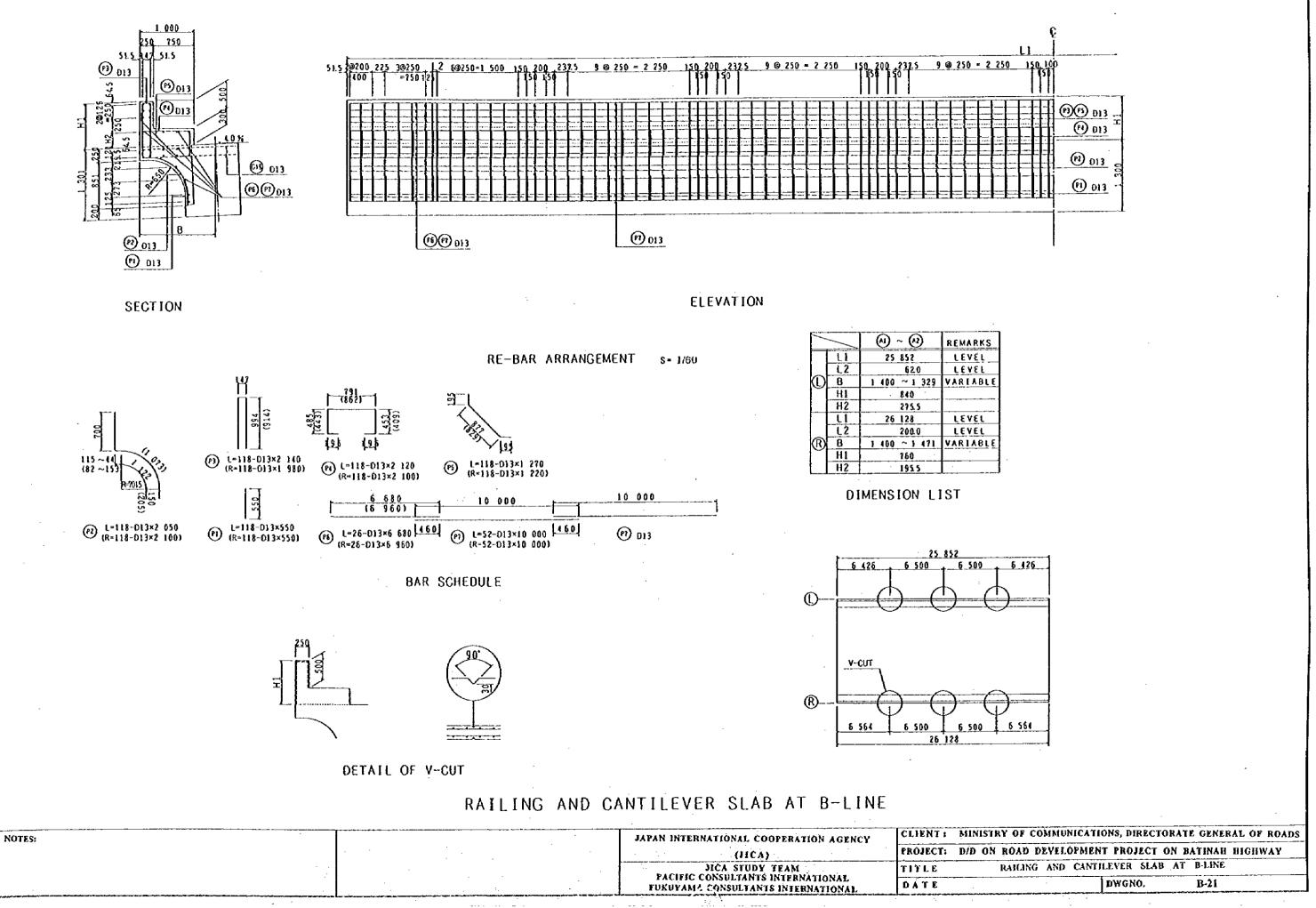
8 572

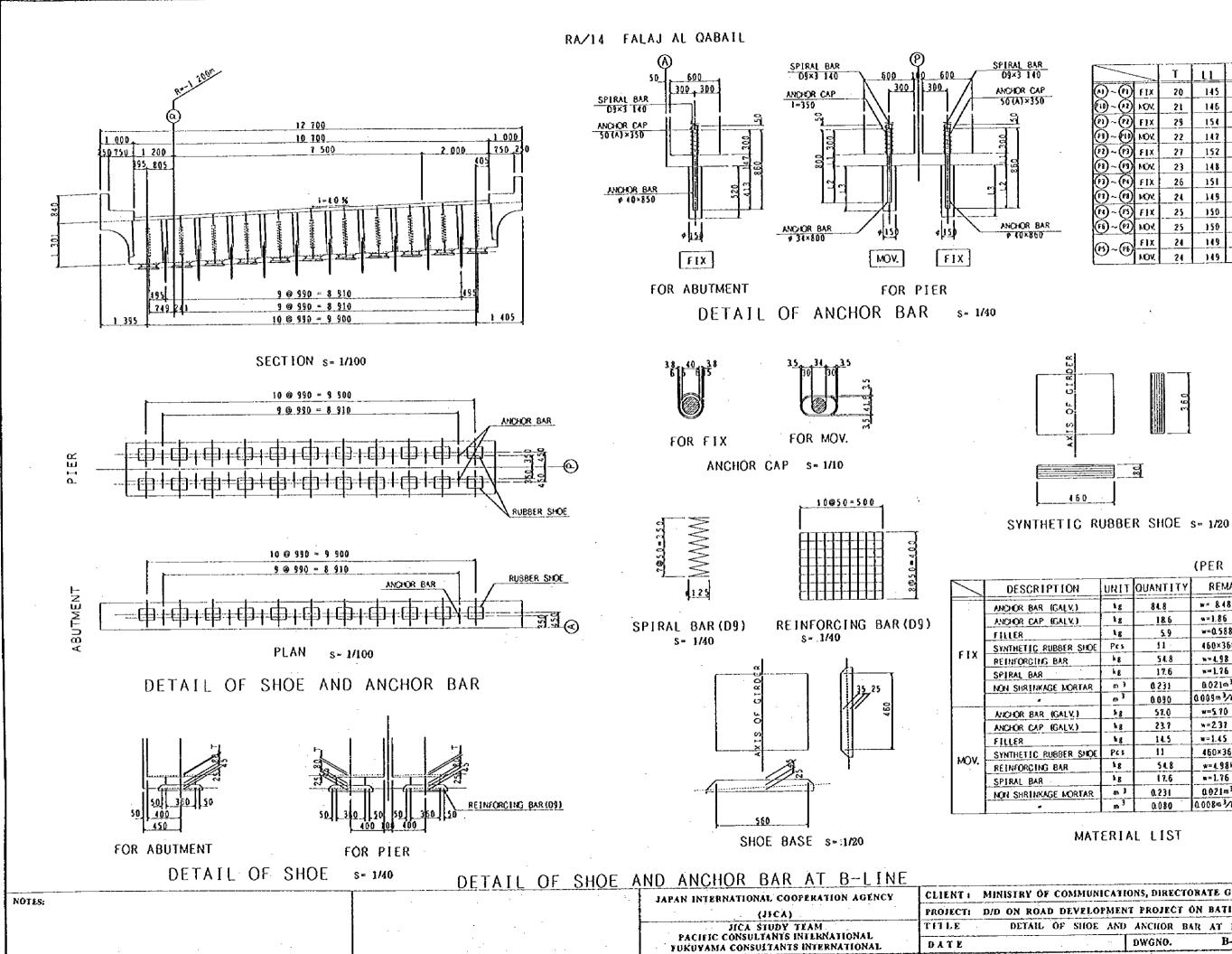


.

NOTES:

0	-
297	
) (AVE.)	
A	
0	
VE)	
0	
v	
OF COMMUNICATIONS, DIRECTORATE G Road development project on bati	ENERAL OF ROADS
BAR SCHEDULE OF MAIN GIRDER AT	
DWGNO. B	-20





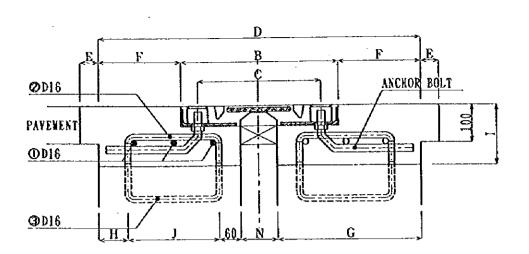
					•
		Ĩ	11	L2_	<u>L3</u>
<u>(1)~(1)</u>	FIX	20	145	415	520
ĒD-Ā	NON.	21	148	354	460
(P)~(P)) F1X	29	154	405	520
(I)~(I)	MOV.	22	147	353	460
- (1)~(1)) FIX	27	152	408	520
(1)~(1)) NOV.	23	148	352	460
P)~(P)	FIX	28	151	409	520
<u>(1)</u> ~@) MON	24	149	351	460
(1)~(1)	FIX	25	150	410	520
_ 60~0) NOV.	25	150	350	460
(F)~(F)	FIX	24	149	411	520
(છ)~(છ	NON.	24	149	351	460

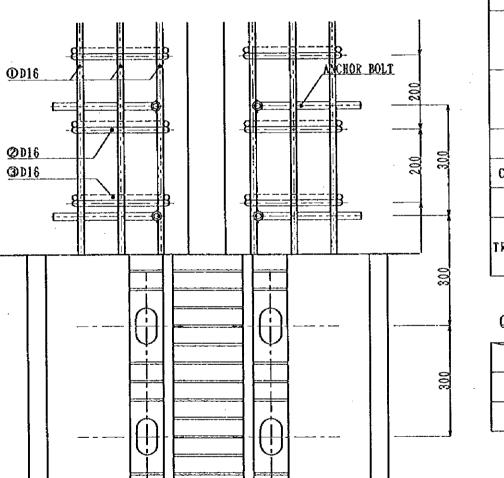
(PER SPAN)

		· · · · · · · · · · · · · · · · · · ·
URIT	QUANTITY	REMARKS
١g	84.8	w= 848 +8/90.
١g	18.6	u=1.86 kg/oc
tg	5.9	w=0.588 kg/anc
Pes	11	460×360×80
kg	54.8	w=4.98 kg/Sel
kg	17.6	w=1.76 kg/pc
m 3	0.231	0.021m ³ /Shoe
m 3	0.090	0.009m ³ /Hole (AVE
hg	57.0	w=5.70 kg/pc.
hg	23.7	w=237 kg/pc
hg	14.5	w=1.45 kg/anc.
PES	11	460×360×80
kg	54.8	w=4.98kg/Set
kg	17.6	w=1.76 kg/pc.
(7) J	0.231	0.021m ³ /Shoe
m ³	0.080	0.008m 3/Hole (AVE
	tg tg tg Pcs kg kg m 3 m 3 kg tg tg tg tg tg tg tg tg tg tg tg tg tg	kg 84.8 kg 18.6 kg 5.9 Pcs 11 kg 54.8 kg 17.6 m ³ 0.090 kg 57.0 kg 14.5 Pcs 11 kg 14.5 pcs 11 kg 54.8 kg 14.5 pcs 11 kg 54.8 kg 17.6 m ³ 0.231

ŎF	CO	MHUN	CATIO	ONS, DIREC	CTOR/	TE	GENERAL OF ROA	LD\$
OAD	וס	EVELO	PMEN	I PROJEĆ	T ON	BAT	план шеликач	
AIL .	ÒF	SHOE	AND	ANCHOR	BAR	AT	B-LINE	
	-			DWGNO.		I	3-22	

FALAJ AL QABAIL





1

MEASUR	E DATA											
	A	В	С	D	Е	F	G	Н	Ι	J	standard space netteen slars N	TRAVEL
PIER	54	433	- 340	879	50	223	390	80	160	250	100	80
ABUT	40	303	235	709	50	203	330	70	150	200	50	50

MATERIAL LIST (PER 10 m)

XATERIAL	CLASSIFICATION	UNIT	PIER	ΑΒυτ
TRANŠFLEX JOINT	INCLUDING ANCHORBOLT	m	10.0	10.0
	FOR JOINT SEALS	kg	22. 5	16.0
SEALANT	FOR PLUG HOLE	kg	8.5	4.0
	OD16	kg	93.60	93.60
REINFORCING BAR	ØD 1 6	kg	60.84	53.04
RECESS CONCRETE	HIGH-EARLY STRENGTH CONCRETE	m‡	1. 143	0. 964
COLORING AGENT OF THE FACE	3 kg/m ¹	kg	16.0	15.0
POLYURETHANE FORM		m	10.0	10.0
	SAND	m'	0.66	0.53
TRANSIENT FILLING WATERIAL	ASPHALT CONCRETE	m¹	0. 73	0.60

QUANTITY LIST

	PIER	ABUTNENT
AL KHABURAHN	20	4
TOTAL LENGTH	222. 0	44.4

TRANSFLEX JOINT

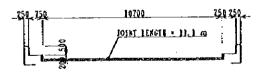
S= 1/10

JAPAN INTERNATIONAL COOPERATION AGENCY CLIENT : MINISTRY OF NOTES: (JICA) JICA STUDY TRAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL PROJECT: D/D ON ROA TITLE DATE

49

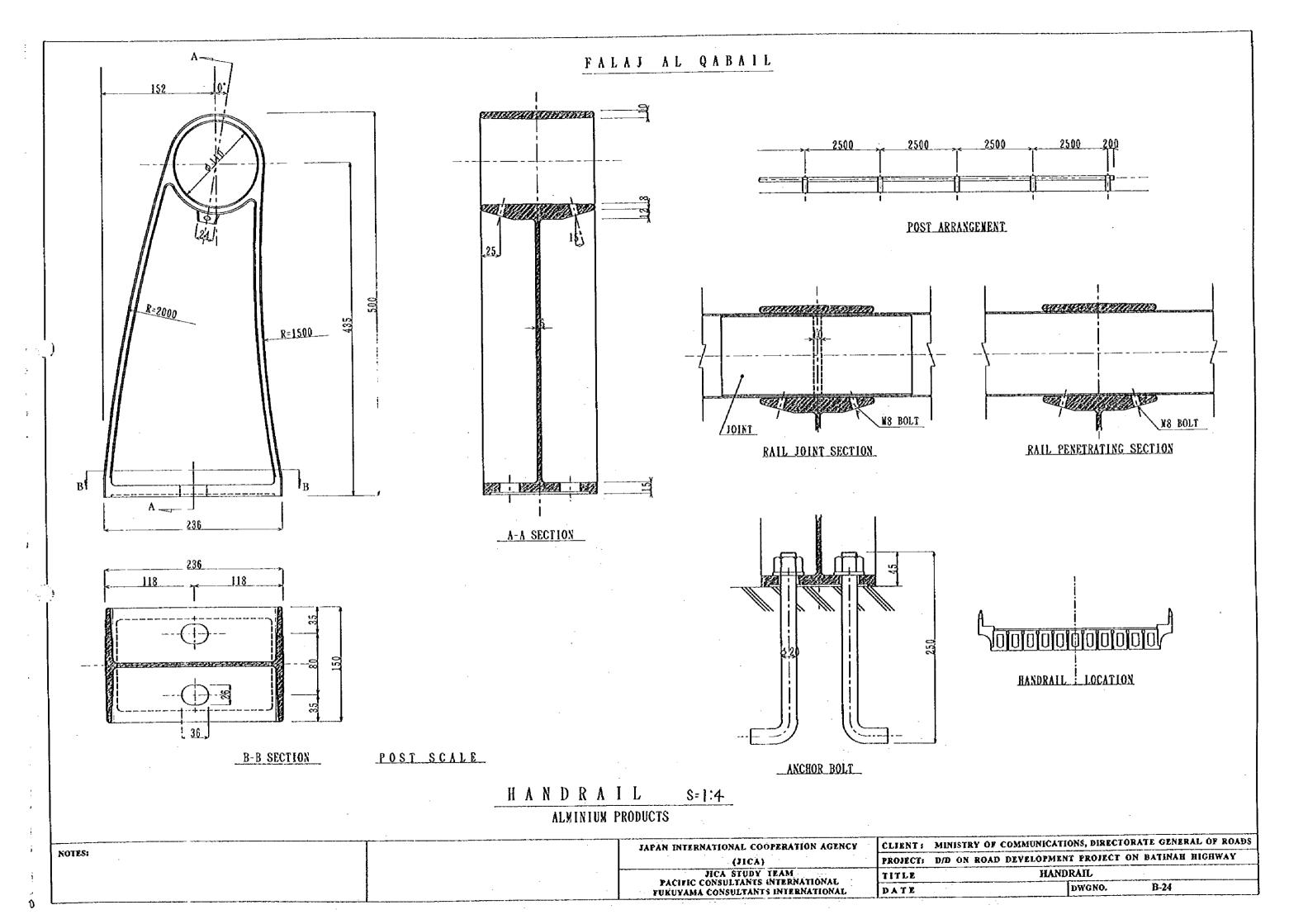
;

J



JOINT LENGTH PER 1 PLACE

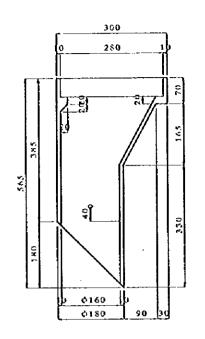
F	COMMUNICATIO	NS, DIRECT	ORA	TE GENER	AL OF ROADS
Û	DEVELOPMENT	PROJECT	ON	BATINAK	BIGBWAY
	EXPANSION	JOINT			
	·	DWGNO.		B-23	



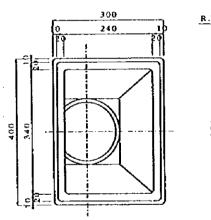
BRIDGE DRAINAGE DETAILS (FALAJ AL QABAIL FLYOVER)

CATCH BASIN (S=1:5)

¢10



.



270 R.B.013 5+39<u>=195</u> F 8 54112

110

180

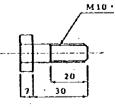
110

400

340

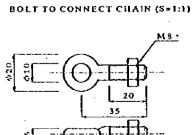
120



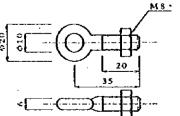


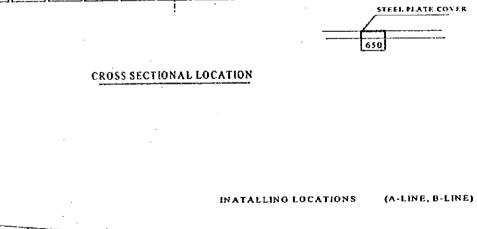
NOTES:

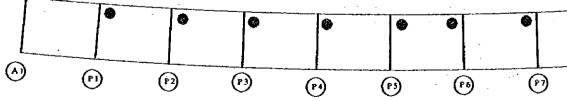
51





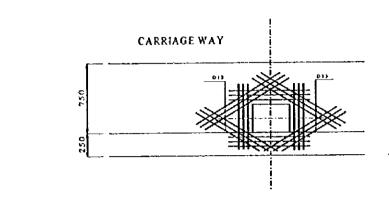


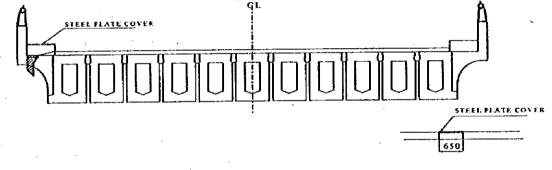


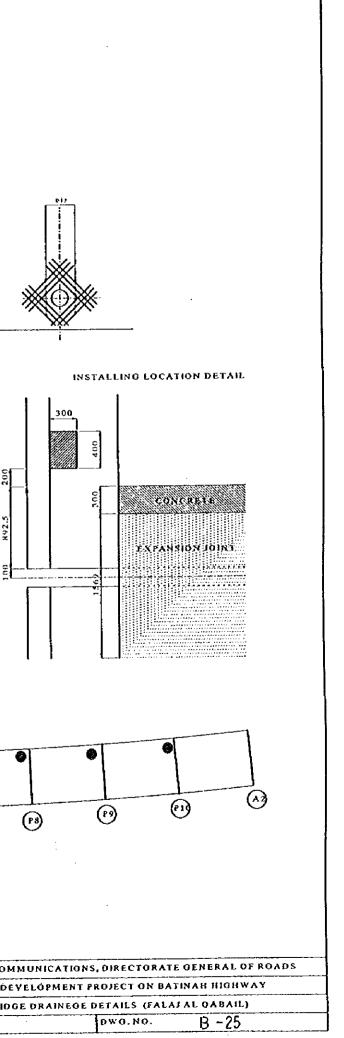


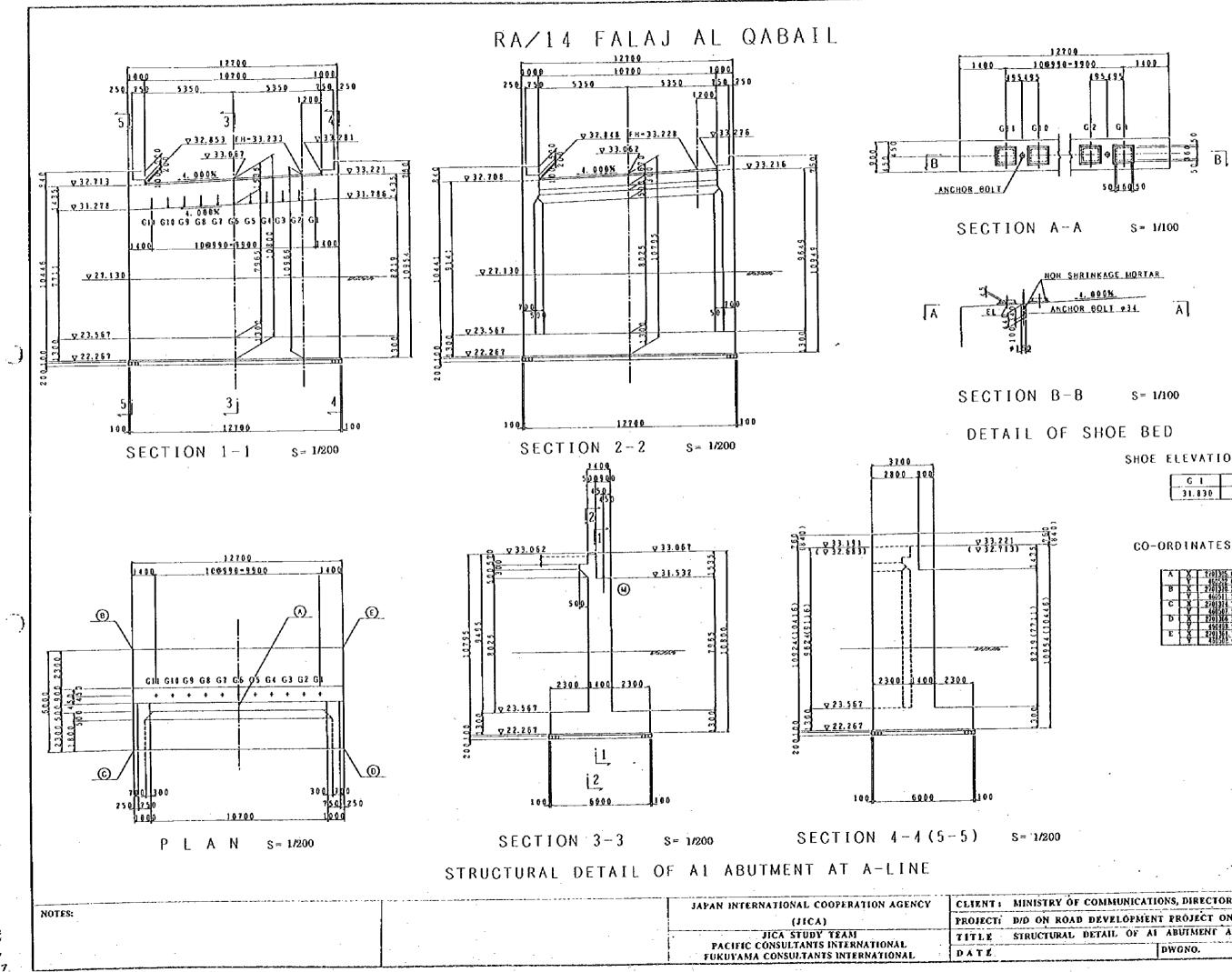
CLIENT: MINISTRY OF COMMUNICAT	JAPAN INTERNATIONAL COOPERATION AGENCY	-7
PROJECT: D/D ON ROAD DEVELOPME	(HCA)	
TITLE BRIDGE DRAINI	ΠCA STUDY ΤΕΑΜ	- }
DATE	 PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL 	









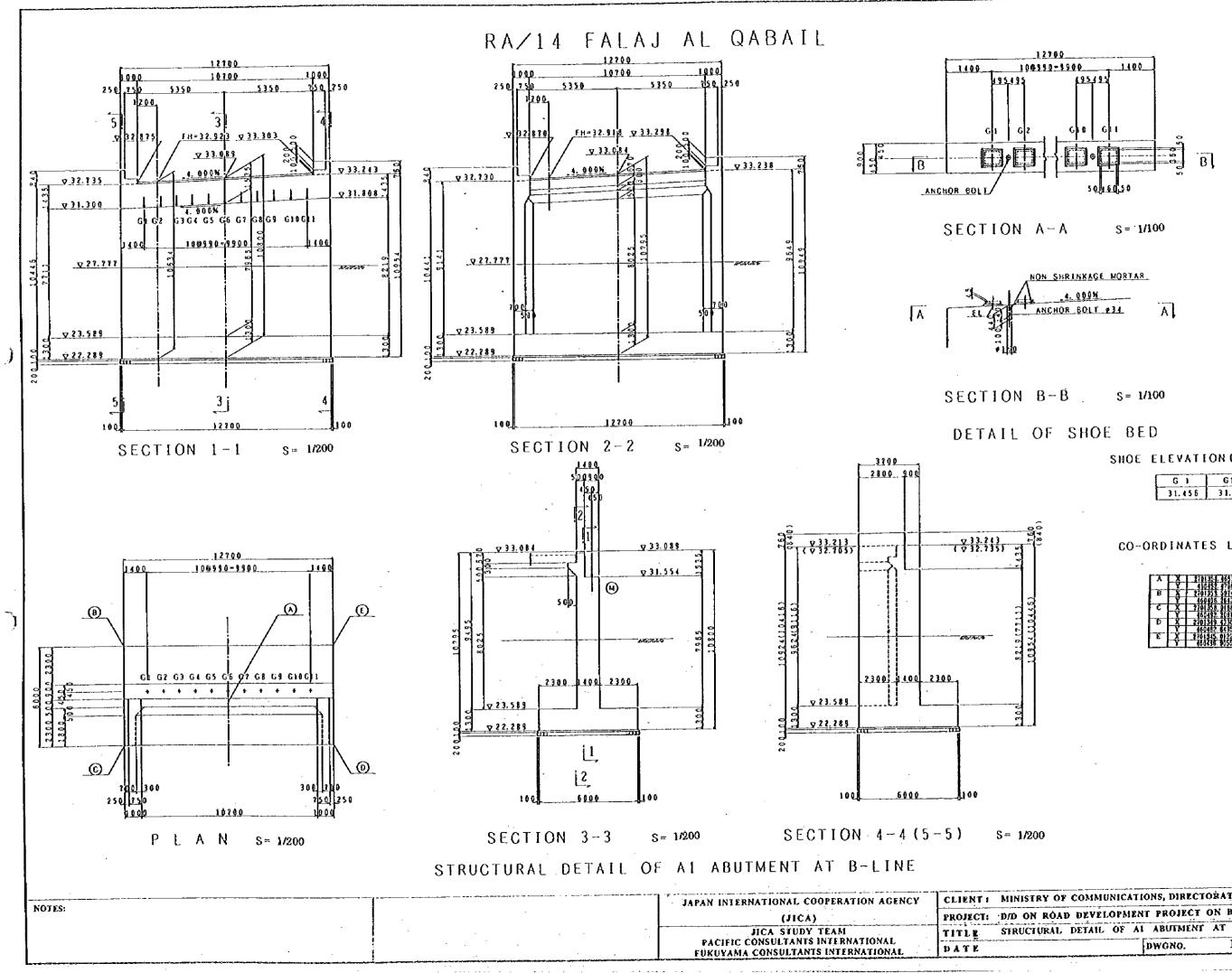


SHOE ELEVATION (EL) TABLE

GI	G11
31.830	31.434

-		
	X.	270 365 6215
	Y	460502 0659
B	X	2701378 3451]
	Ϋ́	460511.9744
C	X	2701374 7732
	Y	460507 9257
DI	X	2701366 2034
	Y	450498.5529
Έ	X	2701361.7753
	Y I	460502.60.6

· ·	
OF COMMUNICATIONS, DIRECTO OAD DEVELOPMENT PROJECT O	
AL DETAIL OF AI ABUIMENT	AT A-LINE
DWGNO.	B-26



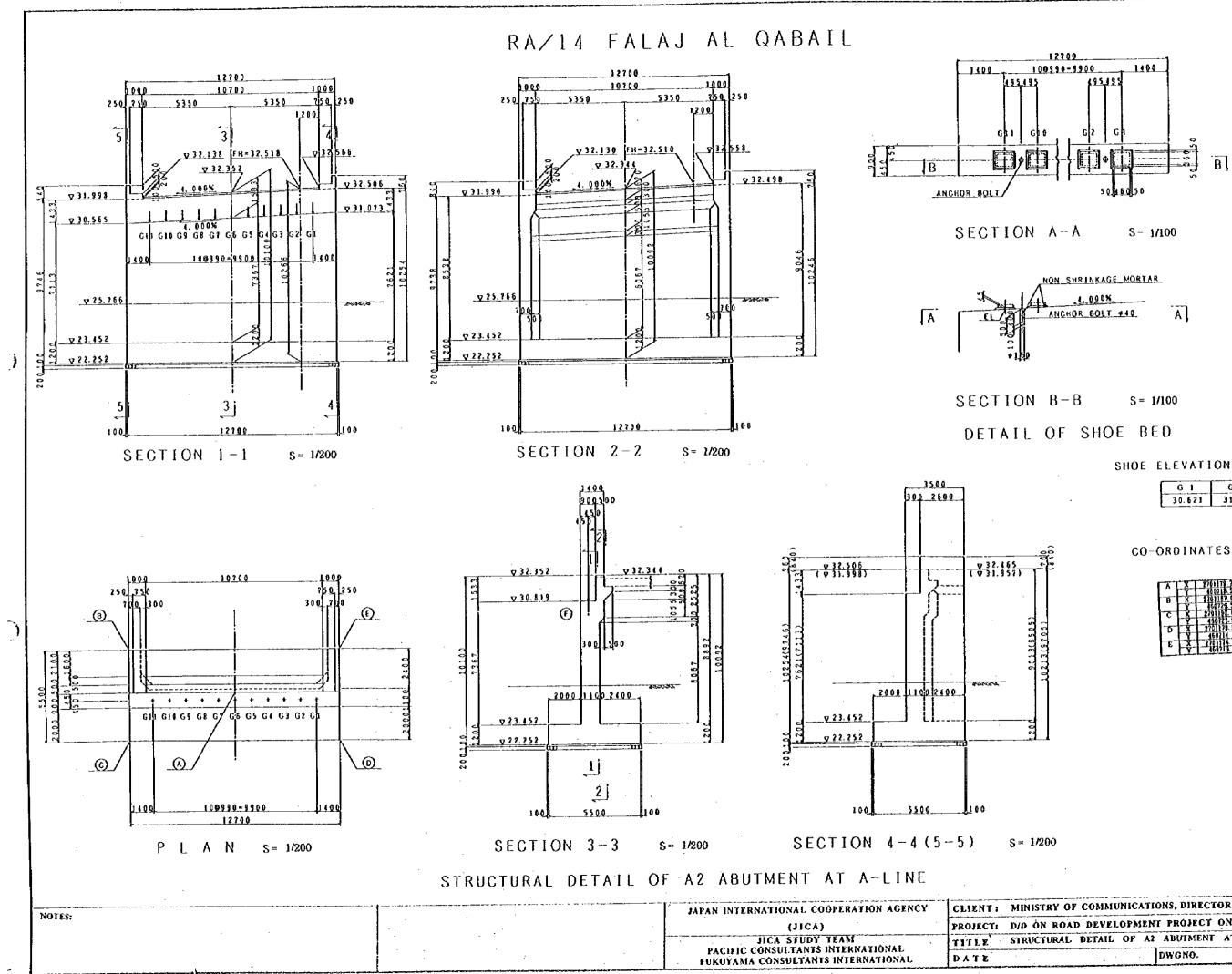
$$-\dot{B}$$
 S = 1/100

SHOE ELEVATION (EL) TABLE

Gl	G11
31.456	31.852

		2701354.4653
	Y	450492.4796
B	X	2701351 5976
	Ŷ	460495. 2642
C	X	2701358 0188
	ΓY .	460492.2081
Ð	X	2701349 4338
	Y,	460482.8495
E	X	1701515 0122
	TY I	466288 0055

OF COMMUNICATIO	NS. DIRECTOR	ATE GENERAL O	F ROADS
OAD DEVELOPMENT			
AL DETAIL OF AL			
[r	WGNO.	B-27	

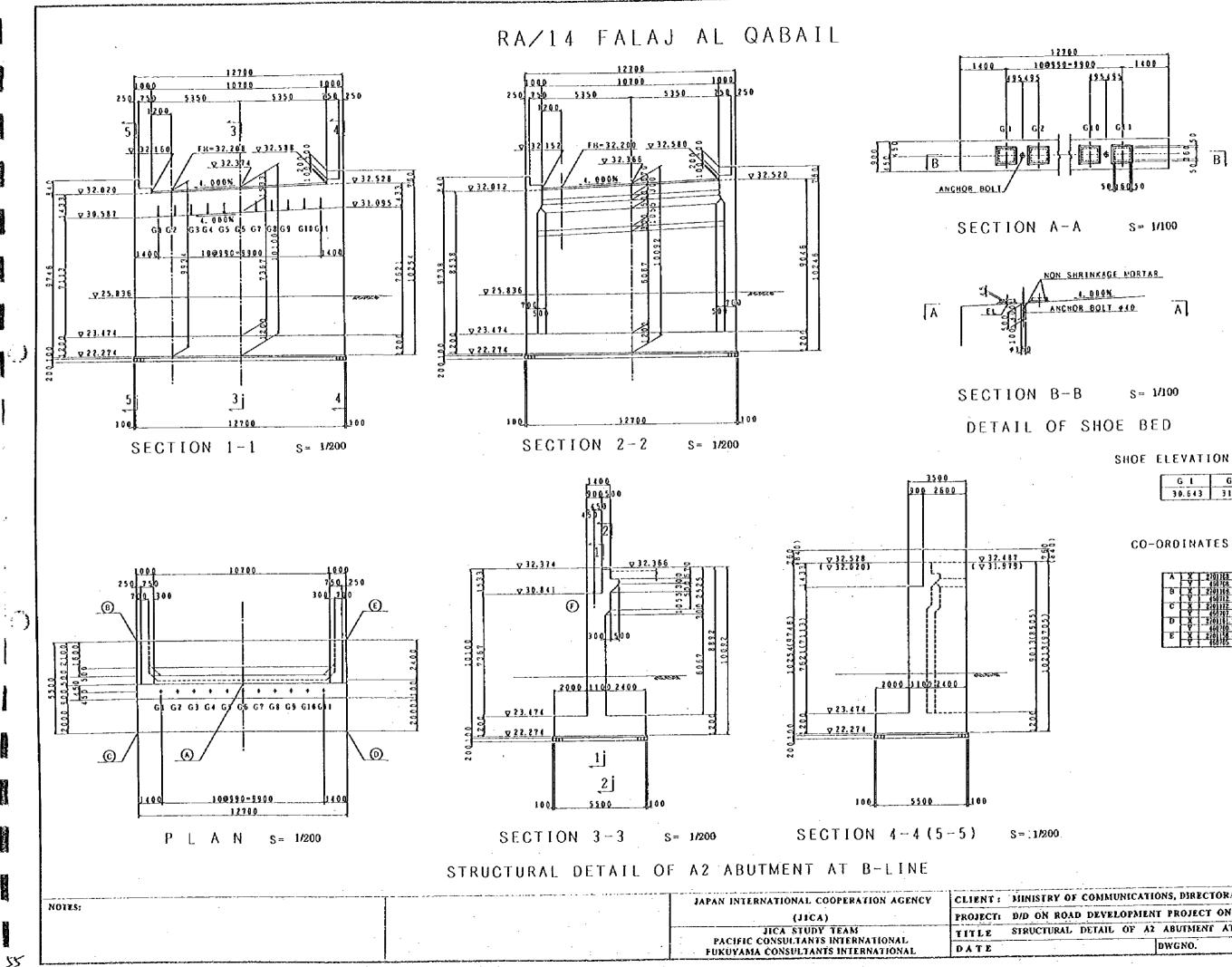


SHOE ELEVATION (EL) TABLE

61	611
30.621	31.017

		426.676 2556
Ā	X	2701171-125C
	Y	4607 8. 52.00
Ð	X	2101107.0428
_	Y	460726.5179
TC	X	2701150.0977
Ň	-ÿ-1	450721-\$444
5	Ϋ́ Υ	2701179.5359
5	ŀΫ	460714 8903
E	l V	- 9781176 482C
6	⊢≎-	1-11111 1839

07	сомми	INIC	ATIC	ONS, DIRECT	ORA	TE GE	NERAL O	F ROADS
DAD	DEVEL	OPN	IENT	PROJECT	ON	BATIN	ан шісп	WAY
L	DETAIL	OF	A2	ABUTMENT	AT	A-LIN	(E	
				DWGNO.		B-2	8	-

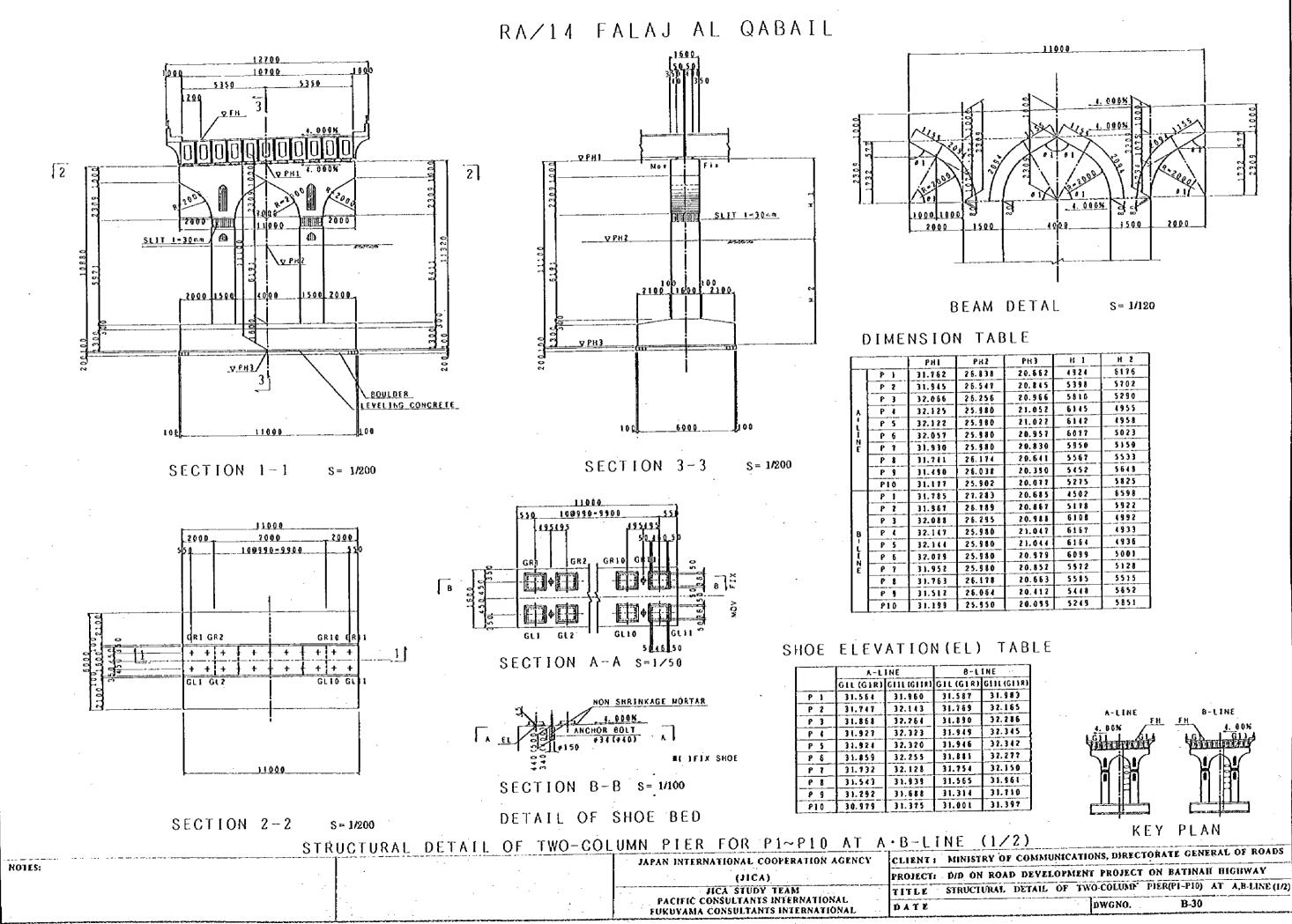


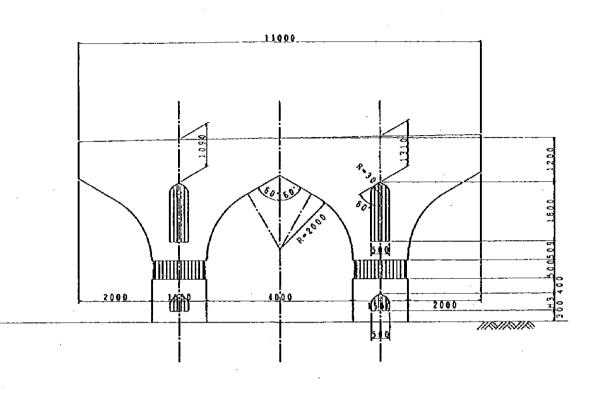
SHOE ELEVATION(EL) TABLE

GI	G11
30.643	31.039

A	X	2201168 6353
	Y	450708 9376
9	X	2701169.0164
1	Y	450712.3721
C	X	2201172 0770
1	Y	450707.8024
D	X	2701161. \$250
i i	Y	460700.7351
E	X	2701158 4644
- 1	TY I	TRATE 115

	TIONS DIRECT	DRATE GENERAL OF ROADS
		ON BATINAH HIGHWAY
L DETAIL OF	AZ ABUTMENT	AT B-LINE
	DWGNO.	B-29





Ĭ.

A POST OF A CONTRACT OF A C

Distant and

Allowing the

1.4.1.10

Salar Salar

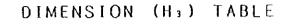
March 1

West and Address

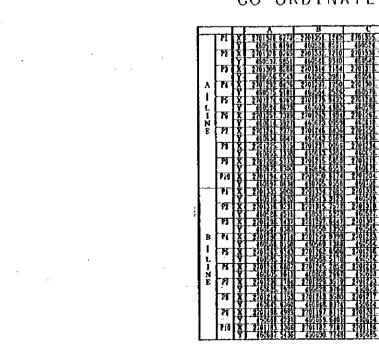
ST. Farm Mill

:1

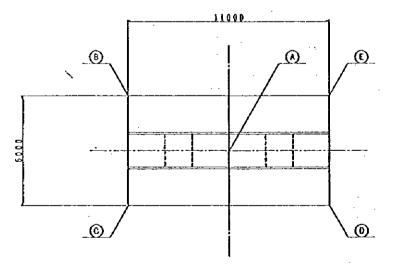
SLIT OF PLAN S= 1/100



	A-LINE	B-LINE
P 1	415	~
P 2	889	\$ 8 9
Ρ́3	1301	1559
P 4	1636	1858
P 5	1633	1655
P 6	1568	1590
P 7	1441	1463
P 8	1058	1076
8 9	1194	939
P10	766	710





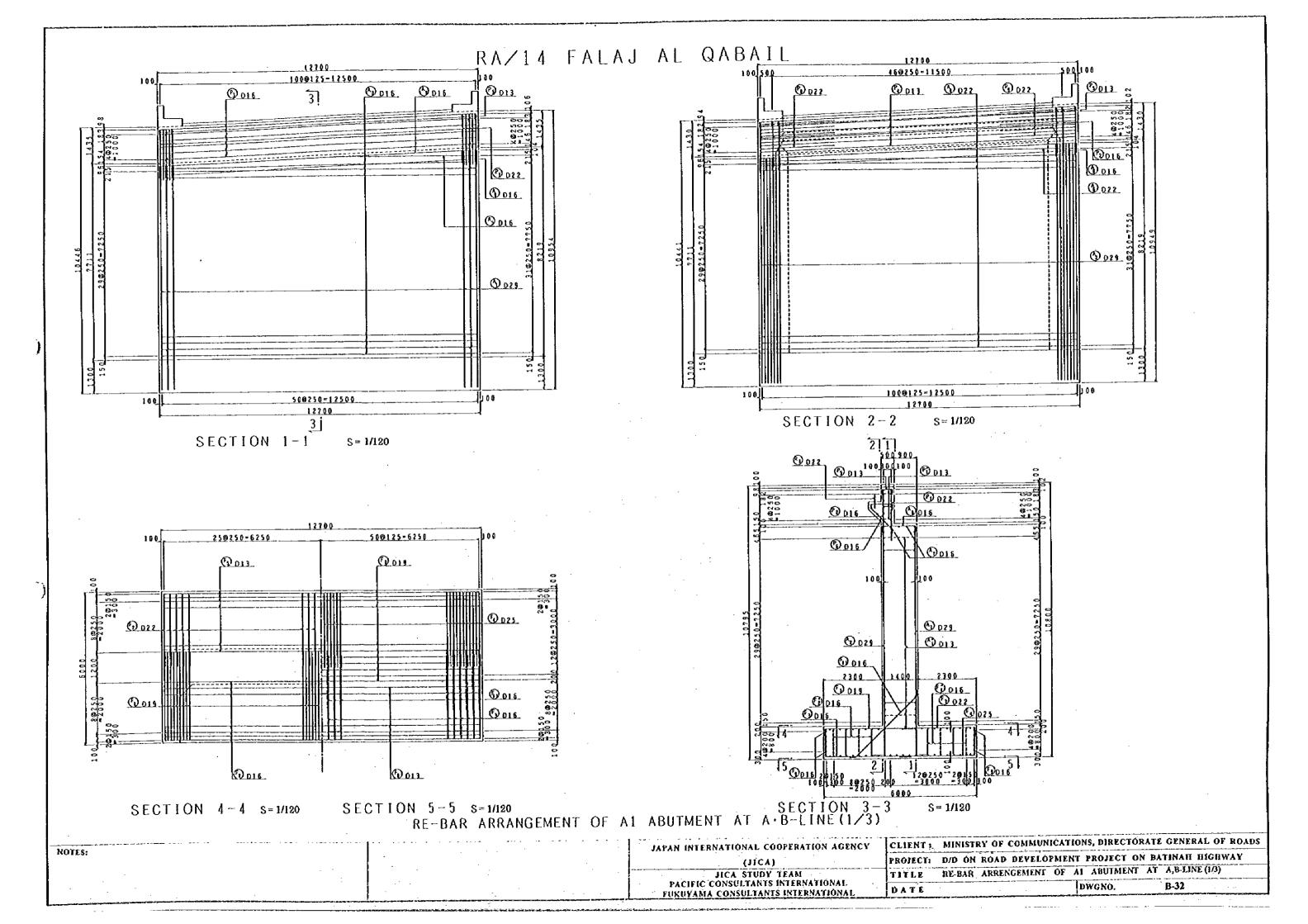


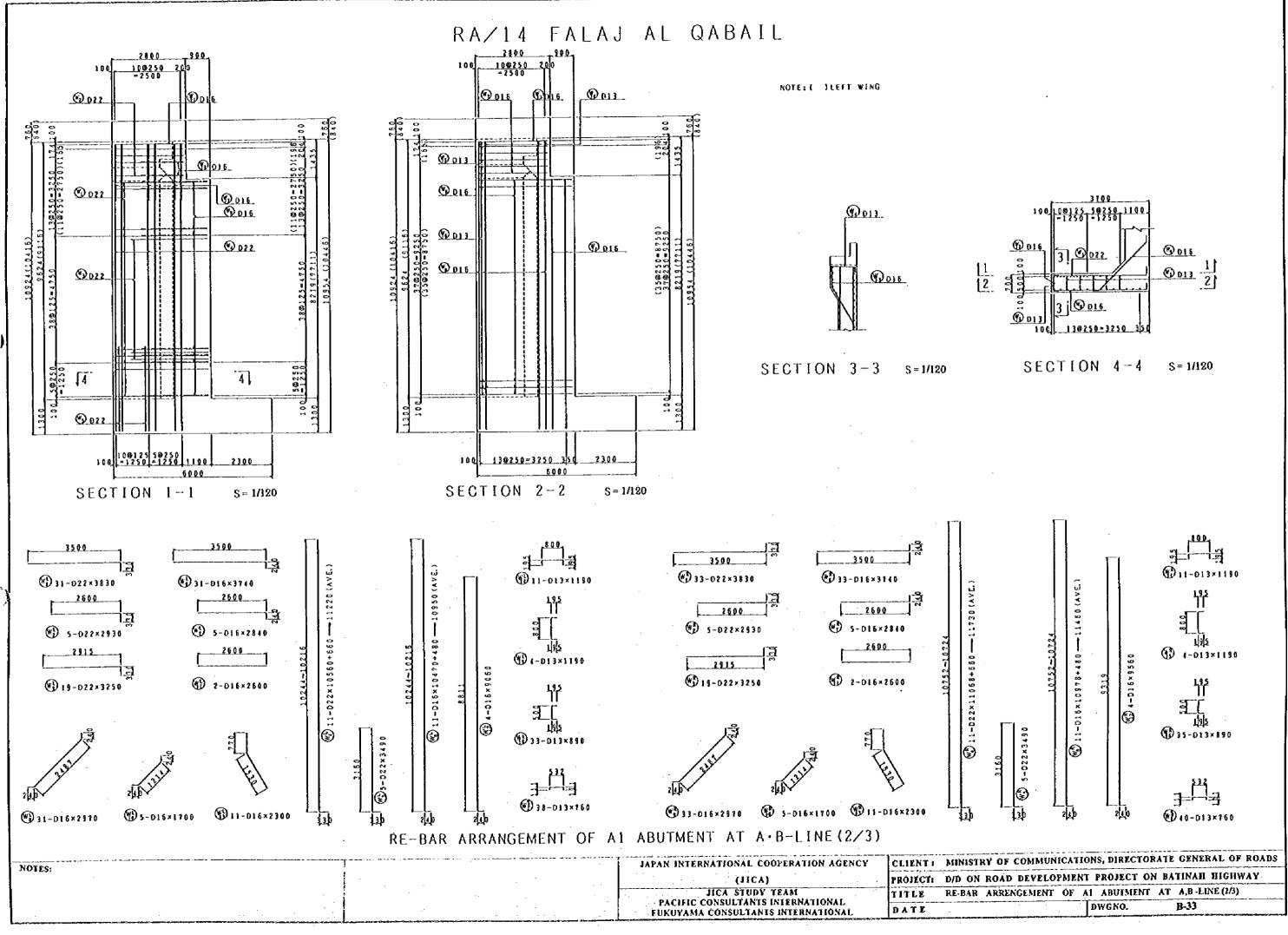
FRAMING PLAN S= 1/200



NOTES:	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT : MINISTRY OF C
-	(JICA)	PROJECT: D/D ON ROAD
	JICA STUDY TEAM	TITLE STRUCTURAL D
	PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	DATE
	a har an	

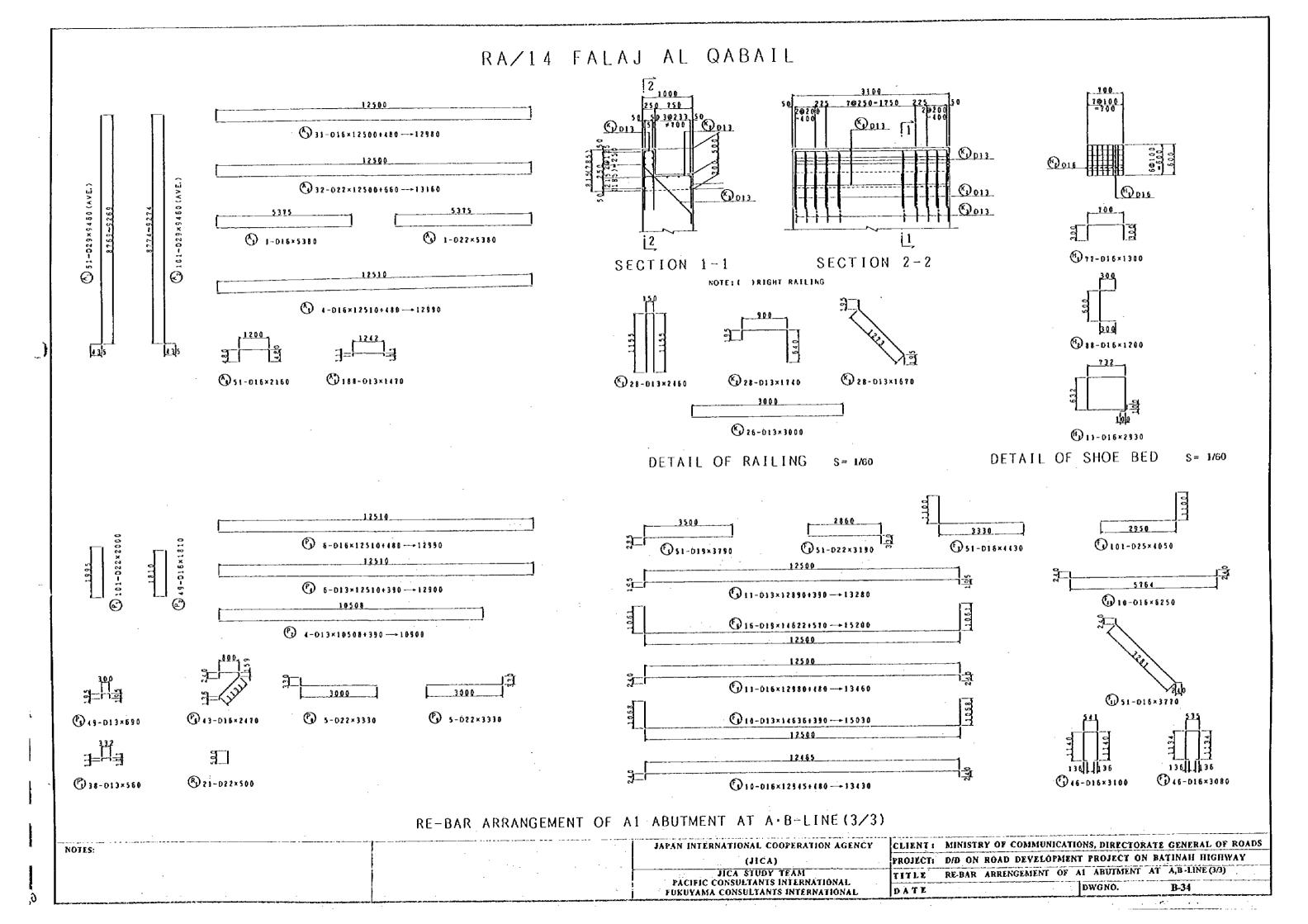
DAD DEVE L DETAIL		TW	n.co	ID.ON	PICD	<u>ም1~</u> ም1ሳኑ	1.1	A R.I	INE (2/2)
	LOPE	TENI	[PR(
OF COMM	UNIČ	ATIO	NS, 1	DIREC	TORA	TE GEN	ERAI	LOF	KOADS
/2)				····					
						-			
			-					1+	
				-					
	÷								

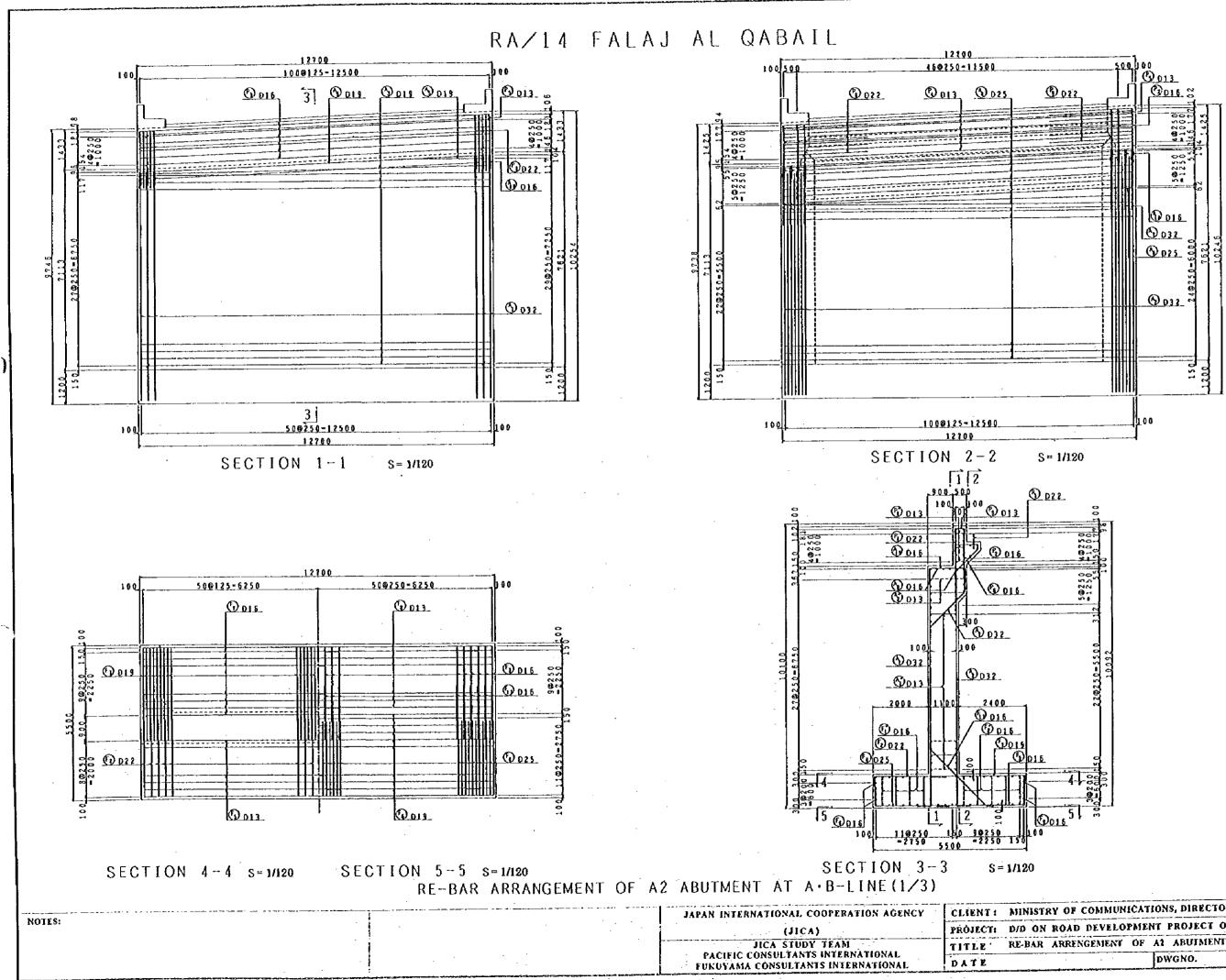




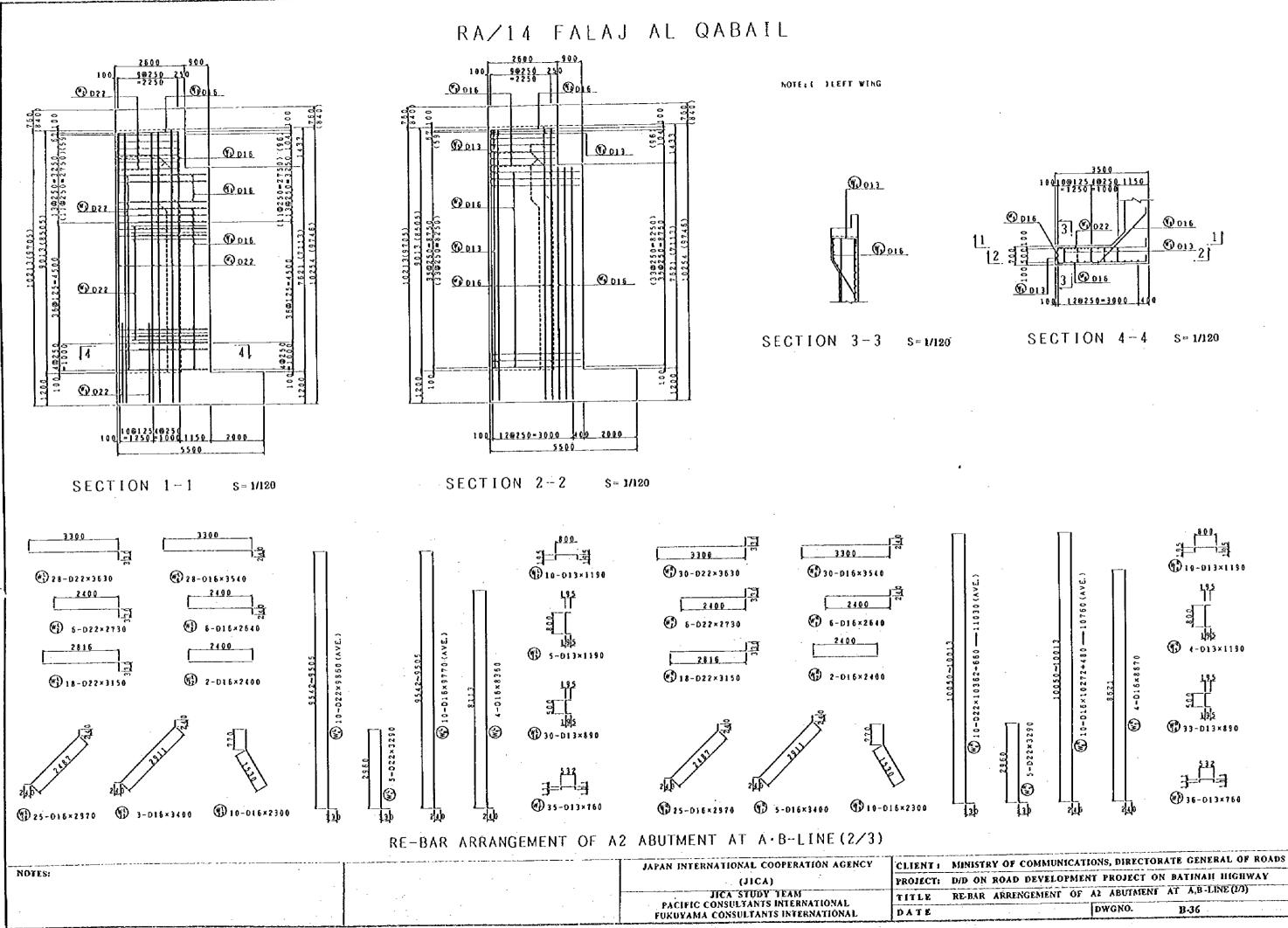
Sec.1

道をつきた





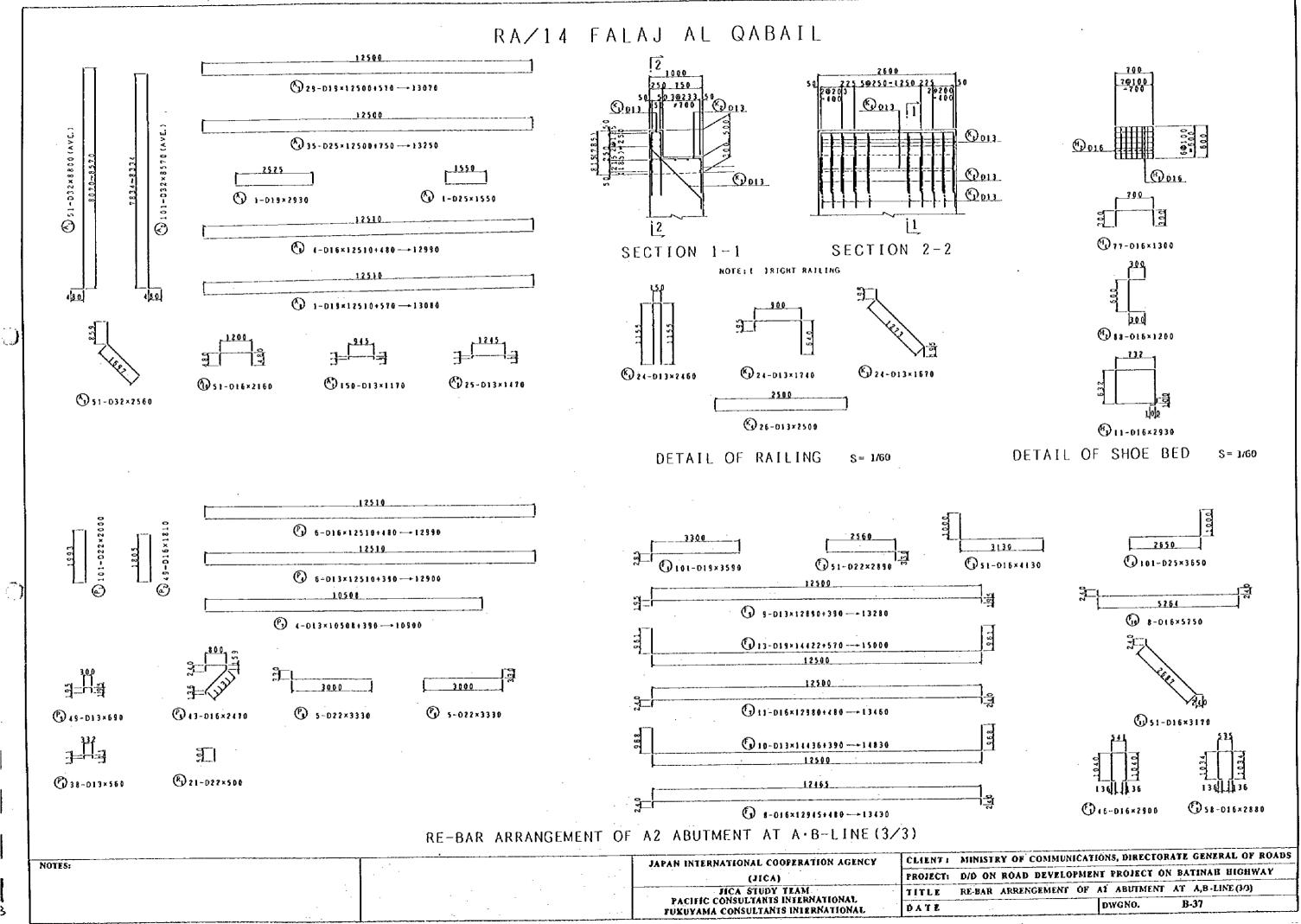
	D	WGNO.		B-35
ARRENGEMENT	OF A1	ABUIMENT	AT	A,B -LINE (1/3)
				TINAN UIGHWAY
Y OF COMMUNI	CATION	IS, DIRECTOR	ATE	GENERAL OF ROADS
			<u> </u>	



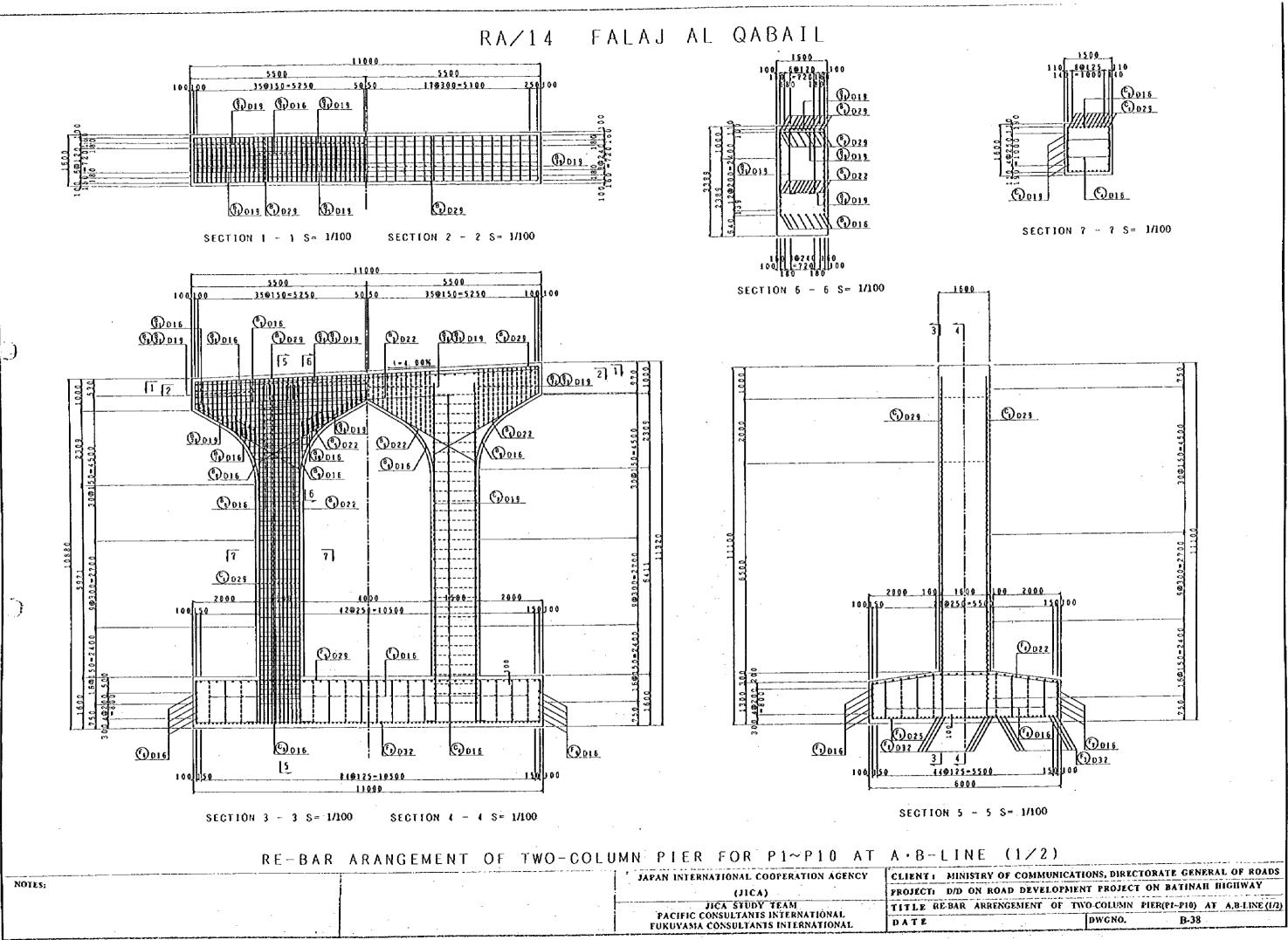
Kineseller v

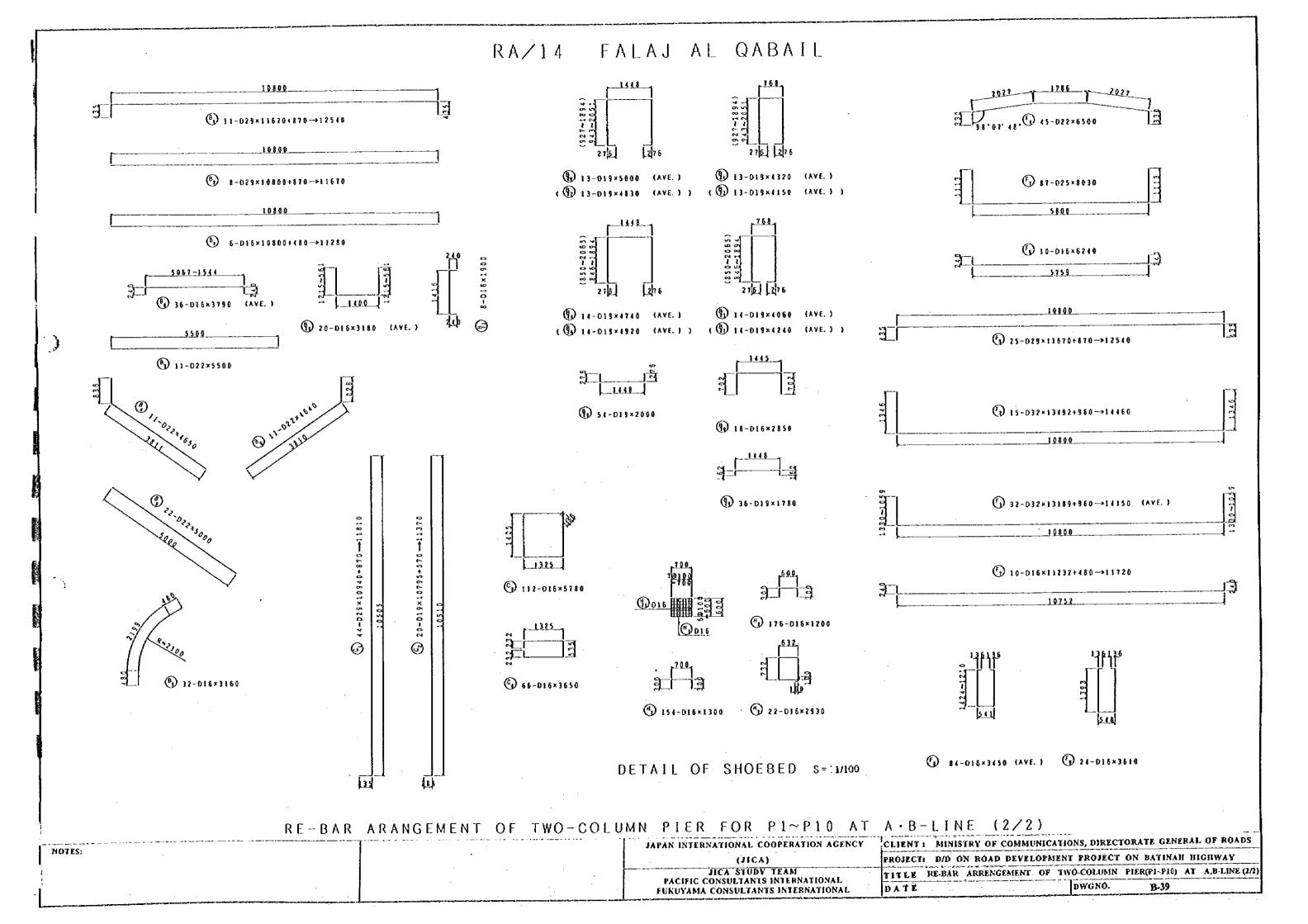
and the second

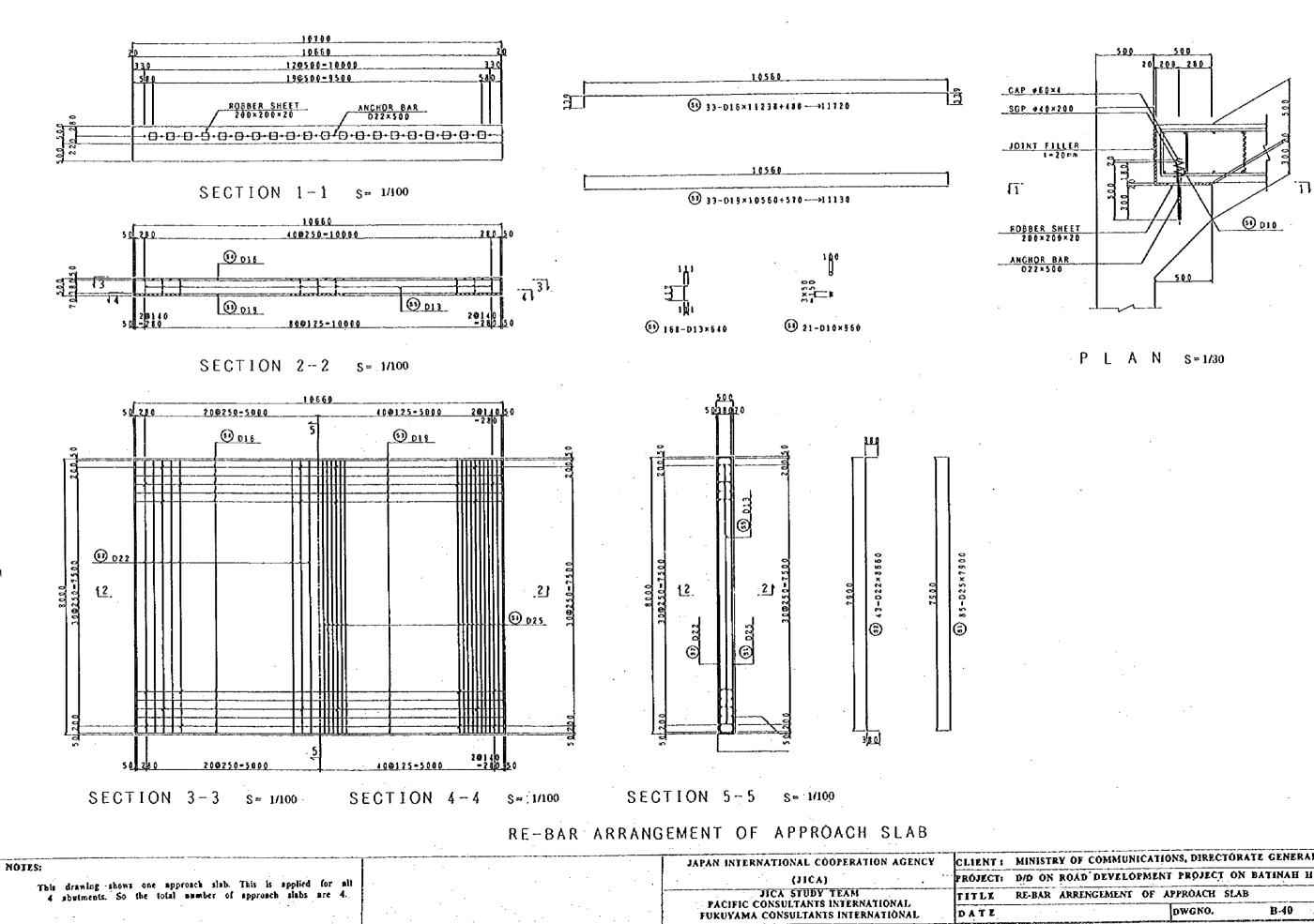
in the second



-- -







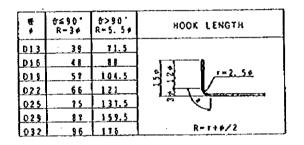
						1
Y OF COMMUNICAT	ONS, DIREC	TÖRA	TE GENEI	RAL OF	ROAD	s
ROAD DEVELOPMEN	T PROJEC	T ON	BATINAH	HICH	WAY	
ARRENGEMENT OF	APPROACH	SLAB				
	DWGNO.		B-49	·		
a na ang ang ang ang ang ang ang ang ang		-				

BAR BENDING DIAGRAM

LAP JOINT LENGTH

• •	LAP JOINT LENGTH
13 390	
16 480	
11 570	
22 660	transferration
25 750	_
25 870	_
32 5.60	

BENDING DIMENSION (MAIN REINFORCEMENT)



NOTES:

BENDIN DIMENSION (STIRRUP.ERECTION BAR)

	R=2.5¢	8=90"	8=45'	· · · · · · · · · · · · · · · · · · ·	HOOK LENGTH	
۴	R=2.5¢	1		STIRRUP	ERECTIÓN BAR	HOOP
013 016 019 022	32.5 40 47.5 55	51_ 63 75 86_	71 94 112 130	v v r=2. 84 v r=2. 84 v r=1 v r=1+0/2	α α α α α α α α α α α α α α	() () () () () () () () () ()

		-	

			-	

	JAI	PAN	ONAN		
	CROSS- SECTIONAL ARER (cm*)	NOMIMAL WEIGHT (Lg/m)	CROSS- SECTIONAL ARER (cm*)	NOMIMAL WEIGHT (Lg/m)	
013.	1.267	0,995	1.290	0.994	
016	1.985	1.56	2.000	1.352	
019	2.865	2.25	2.139	2.235	
DZZ	3.811	3.04	3.871	3.9.42	
025	5.067	3.98	5.097	3.973	
029	6.424	5.04	5.152	5.055	
D32	7.942	6.23	8.194	6.403	

· · · ·

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL D A T E

ÓF	COMMUNICATIO	NS, DIRECT	ORATE GENER	AL OF ROADS
ROAD	DEVELOPMENT	PROJECT	ÓN BATINAH	HIGHWAY
DINO	DIAGRAM			
		DWGNO.	B-41	· · ·