## AL KHABURAH



ſ	MEASUR	A	В	С	D	E	F	G	Н	I	J	stavdæd space htteh slæs N	TRÀVEL
	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)

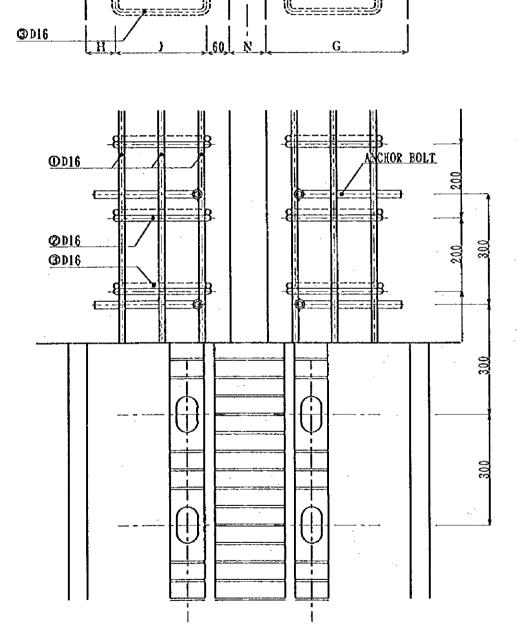
WATERIAL	CLASSIFICATION	UNIT	PIER	ABUT
TRANSFLEX JOINT	INCLUDING ANCHORBOLT	m	10. 0	10.0
· · · · · · · · · · · · · · · · · · ·	FOR JOINT SEALS	kg	22. 5	16.0
S E A L A N T	FOR PLUG HOLE	kg	8.5	4.0
	<b>QD16</b>	kg	93. 60	93.60
REINFORCING BAR	ØD16	kg	60.84	53.04
RECESS CONCRETE	HIGH-EARLY STRENGTH CONCRETE	· m <sup>‡</sup>	1. 143	0.964
COLORING AGENT OF THE FACE	3 kg/m <sup>1</sup>	kġ	16.0	15.0
POLYURETHANE FORM		រោ	10.0	10.0
	S A X D	m*	0.66	0. 53
TRANSIENT FILLING WATERIAL	ASPHALT CONCRETE	'ın'	0. 73	0.60

## QUANTITY LIST

	PIER	ABUTNENT
AL KHABURAHN	2 0	4
TOTAL LENGTH	222. 0	44.4

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		· · · · · · · · · · · · · · · · · · ·	CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROAD
iotes:			PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
		JICA STUDY TEAM	TITLE EXPANSION JOINT
		PACIFIC CONSULTANTS INTERNATIONAL FL KUYAMA CONSULTANTS INTERNATIONAL	DATE DWGNO. B-23



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ANCHOR BOLT

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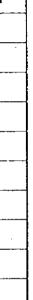
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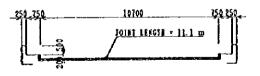
All and the

ØD16

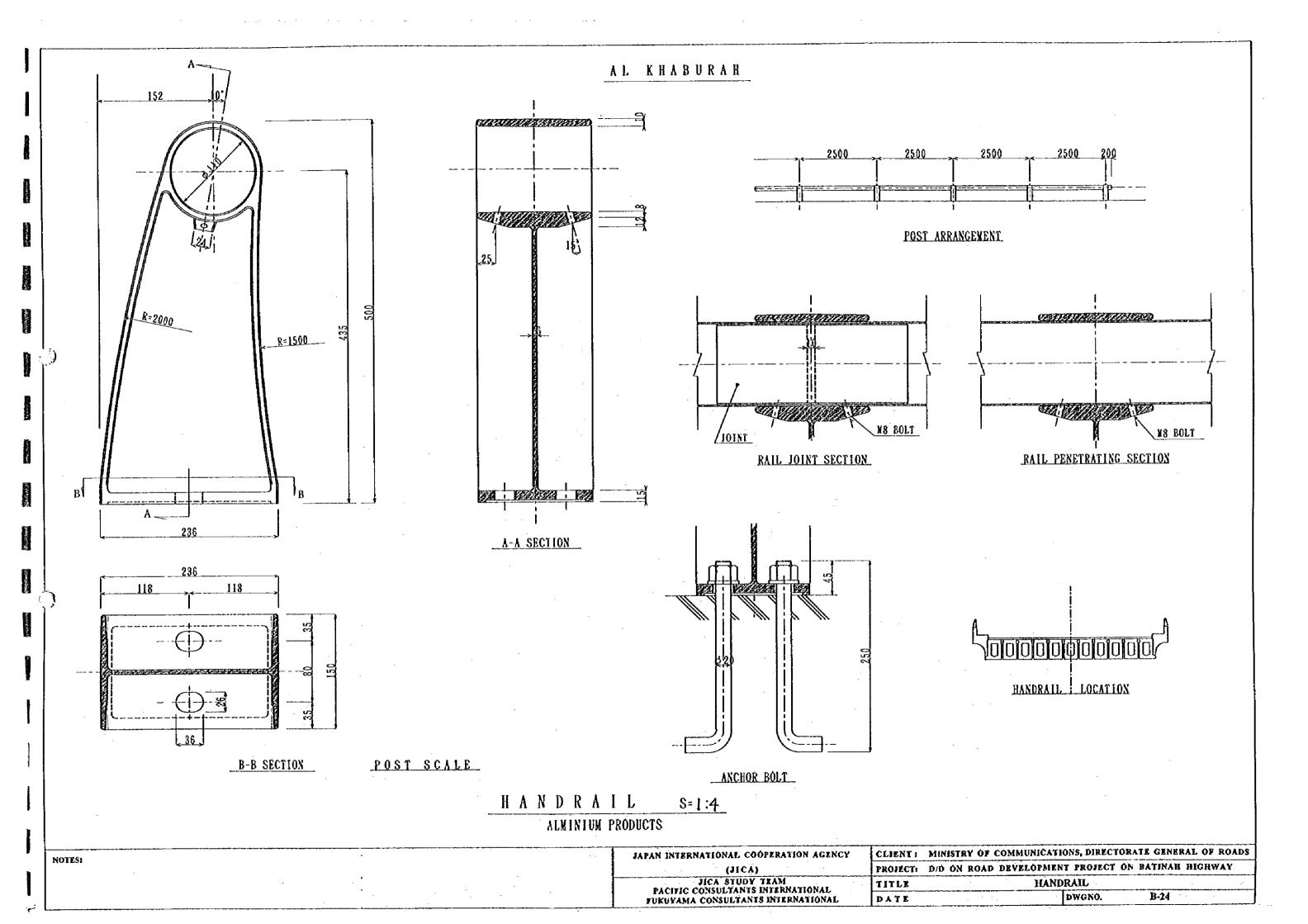
PAVENENT

OD16

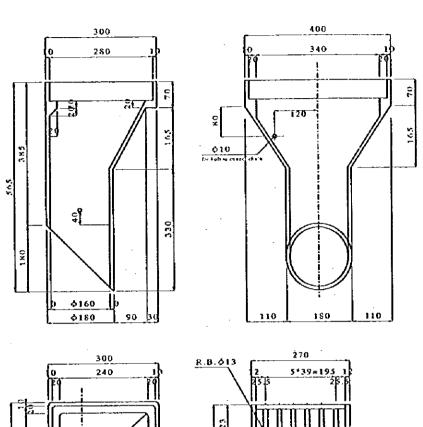


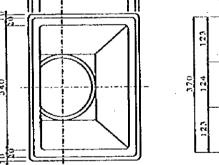


#### JOINT LENGTH PER 1 PLACE



#### BRIDGE DRAINAGE DETAILS (AL KHABULAH FLYOVER)





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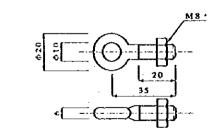
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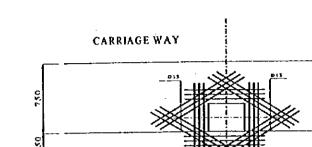
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Non-Selection

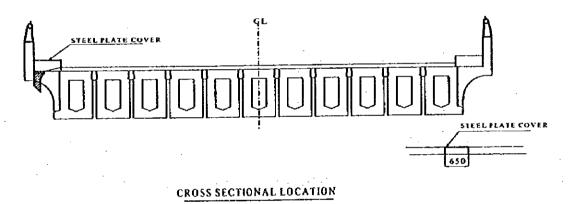
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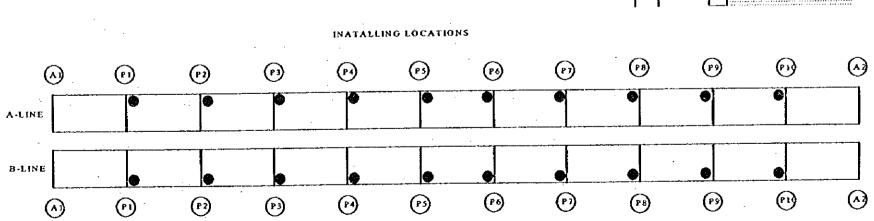






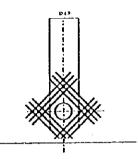
REINFORCING (S=1:20)

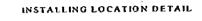


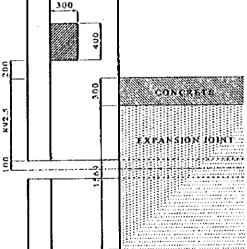


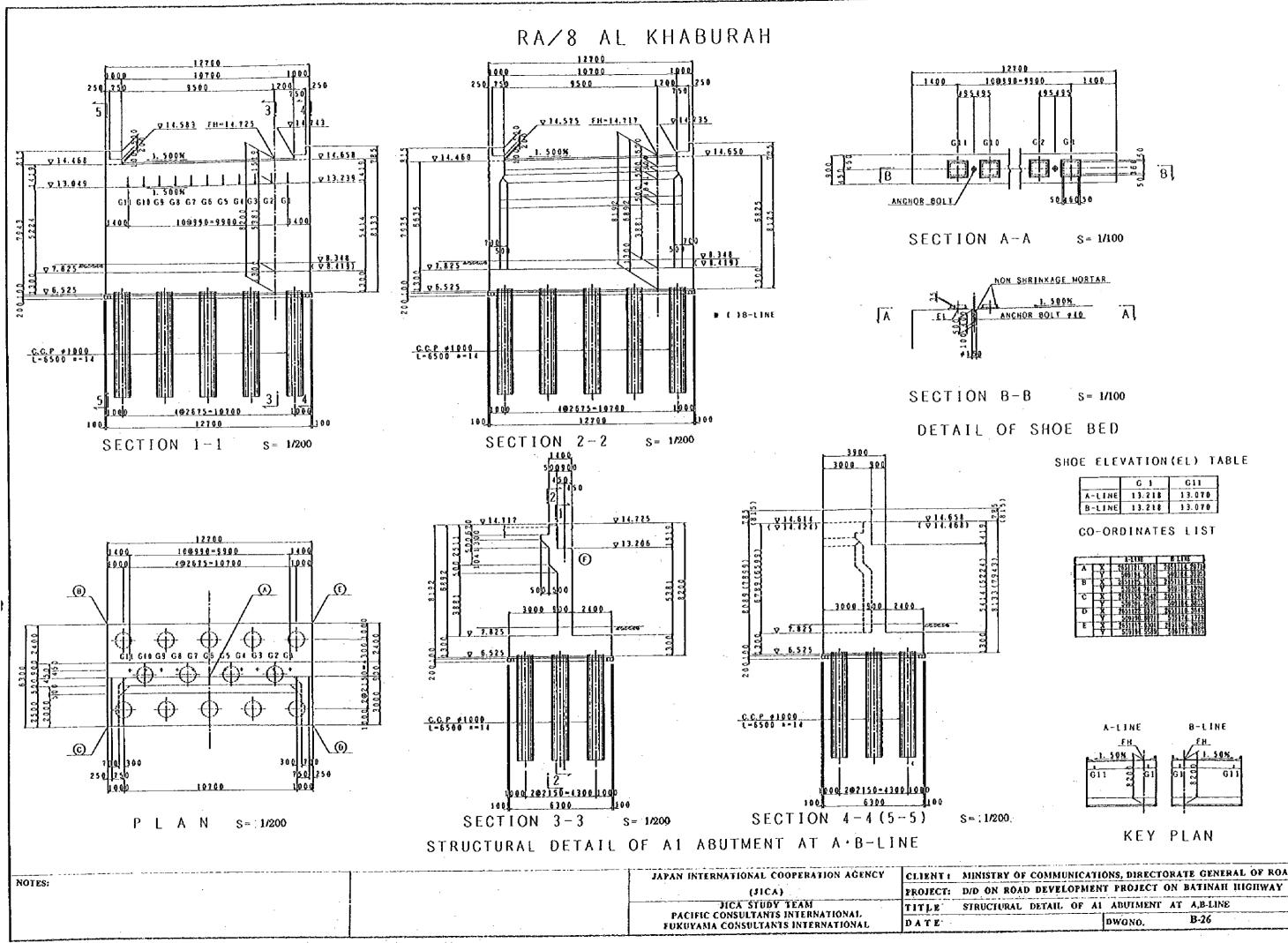
	JAPAN	N INTERNATIONAL COOPERATION AGENCY	CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTÓRATE GENERAL OF ROADS
NOTES:		(JICA)	PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIOHWAY
		JICA STUDY TEAM	TITLE BRIDGE DRAINEGE DETAILS (AL KHABULAH)
	PA FIL	CIFIC CONSULTANTS INTERNATIONAL CUYAMA CONSULTANTS INTERNATIONAL	DATE DWO.NO. B-25

#### CATCH BASIN (S=1:5)

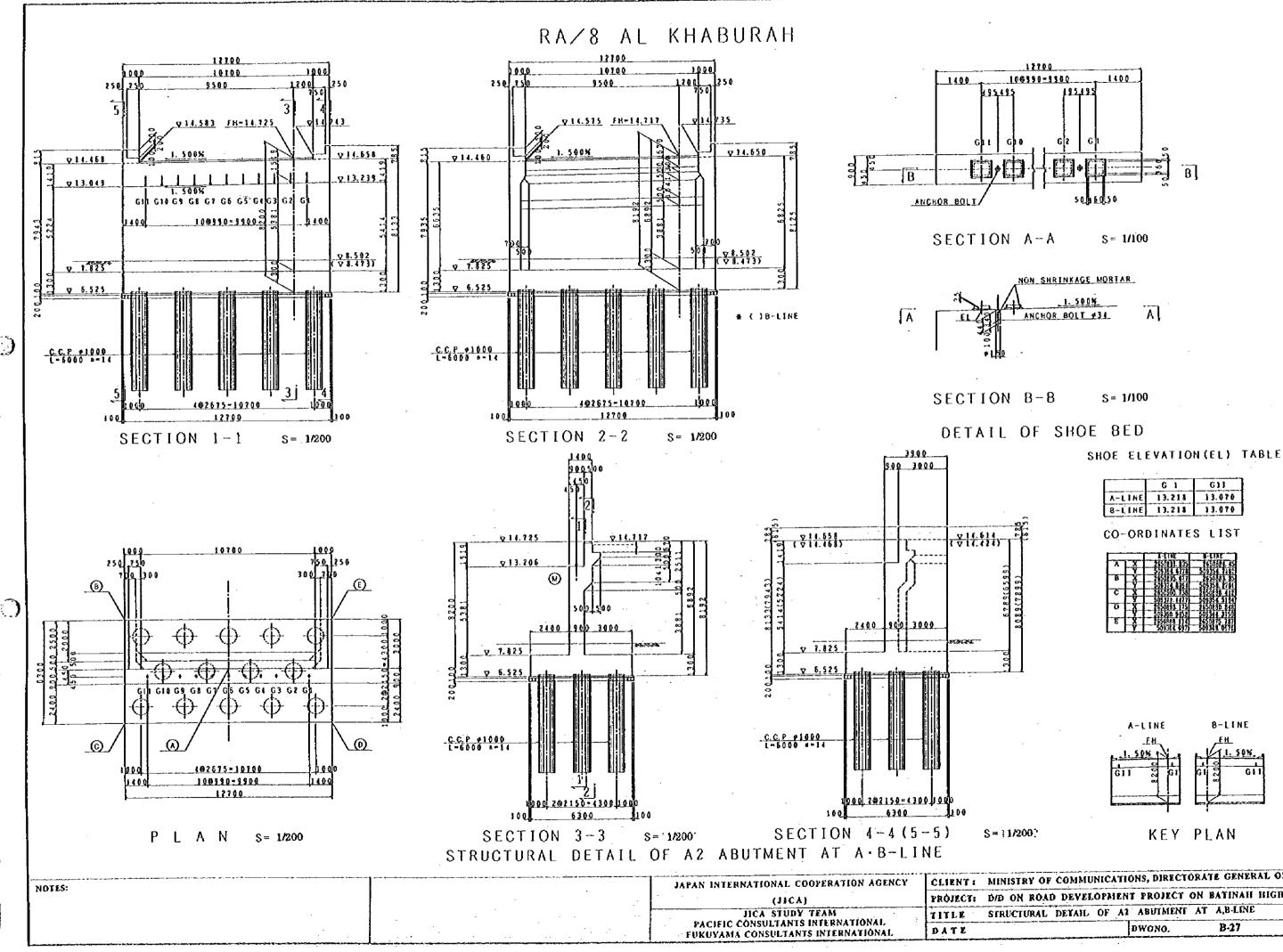




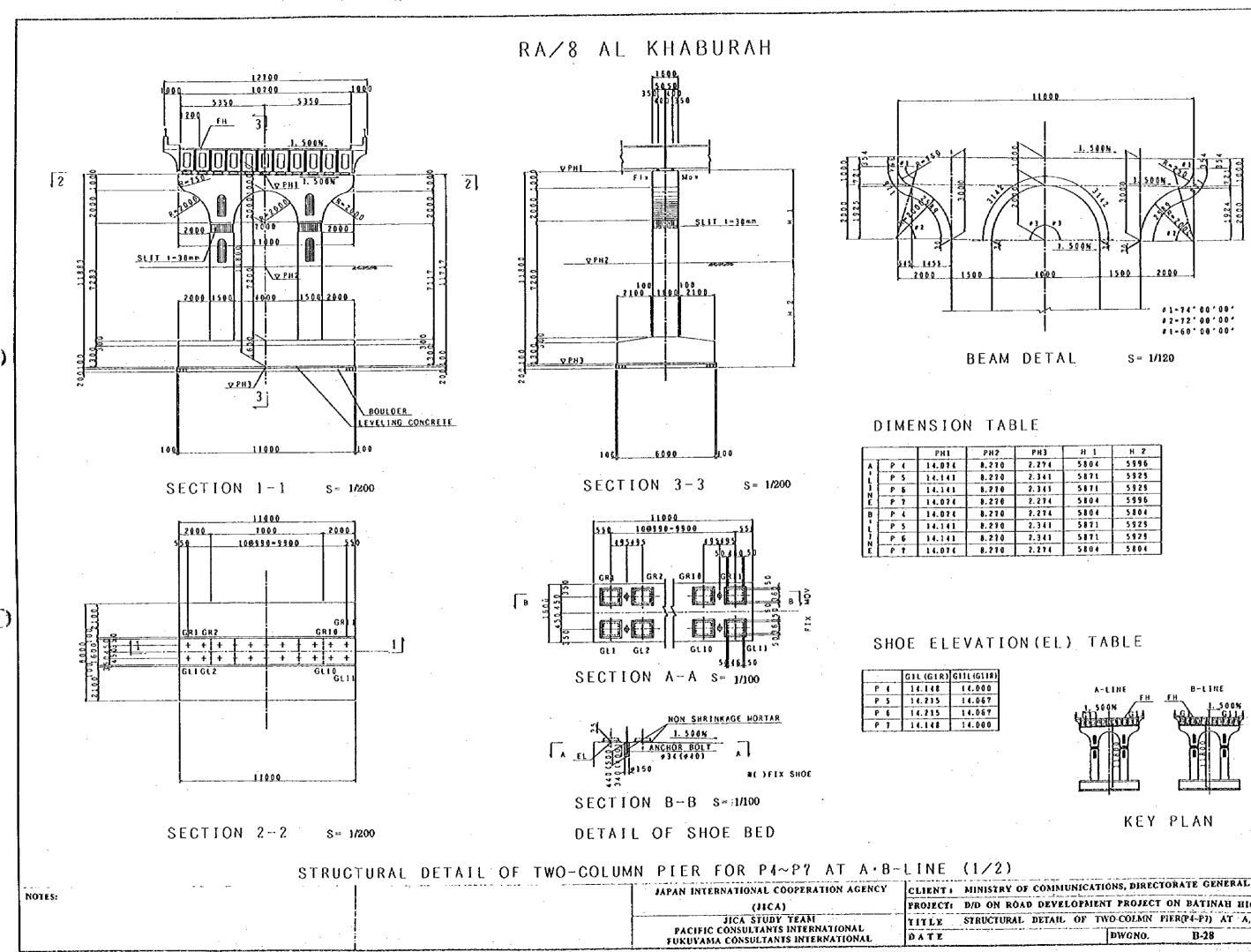




F COMMU	NIC	<b>MIG</b>	NS, DIRECT	ORA	TE GENER	AL OF RO	DABS
D DEVEL	OPM	ENT	PRÓJECT	ON	BATINAR	HIGHWA	Y
DETAIL	ŌF	Al	ABUTMENT	AT	A,B-LINE		÷
			DWONO.		B-26	•	
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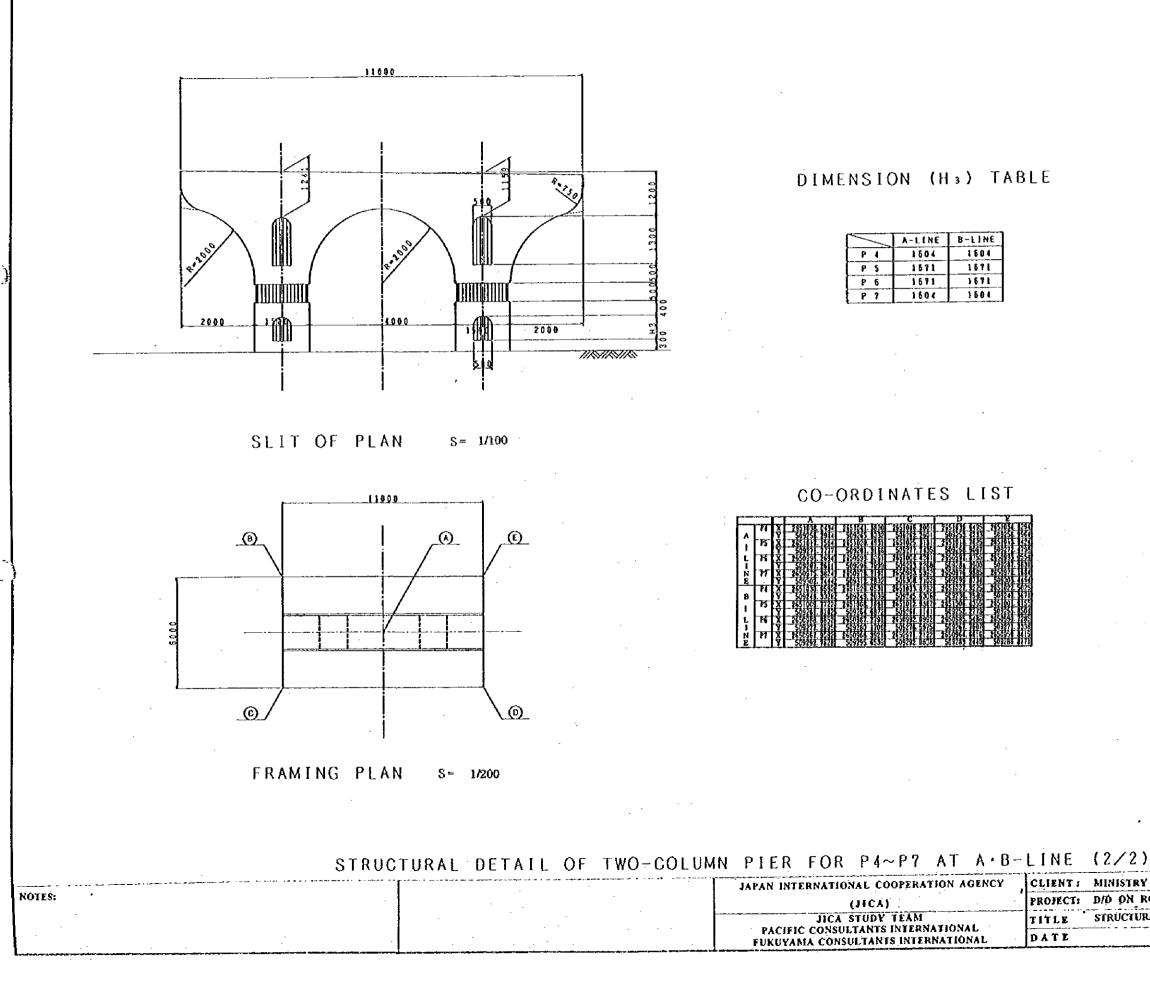
		- Tr	WONO,		B-27	
AL DETAIL	OF	A2	ABUTMENT	AT	A,B-LINE	
					BATINAH HIG	GRWAY
					IL GENERAL	



рнз	81	H 2
2.274	5804	5996
2.341	5871	5925
2.341	5871	5929
2.274	5804	5996
2.274	5804	5804
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2.341	5871	5929
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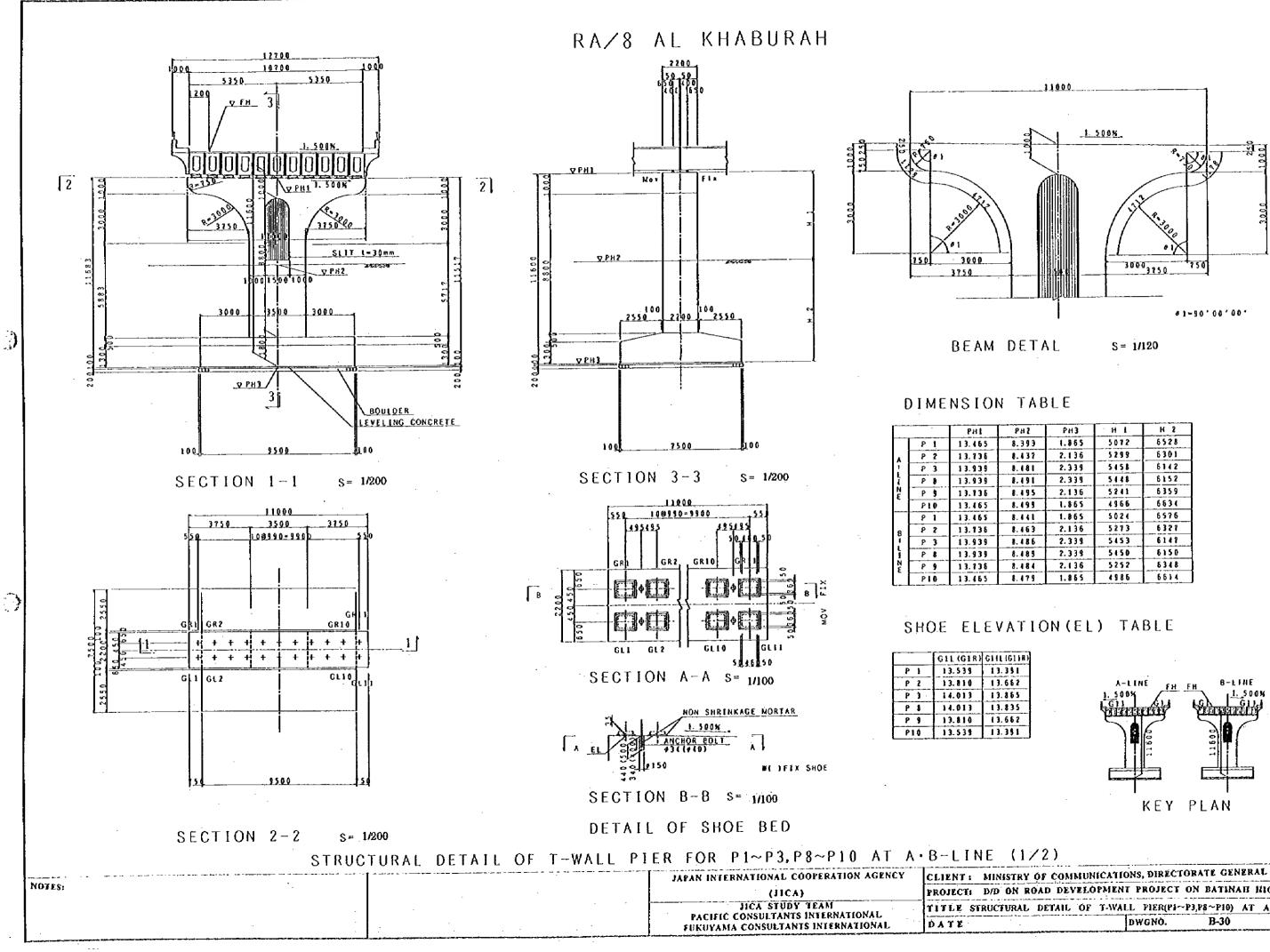
	RATE GENERAL OF ROA	
D DEVELOPMENT PROJECT ( DETAIL OF TWO-COLMN PI	والمعاجم والمعارية المتراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع وا	//)
DWGNO.	B-28	

RA/8 AL KHABURAH



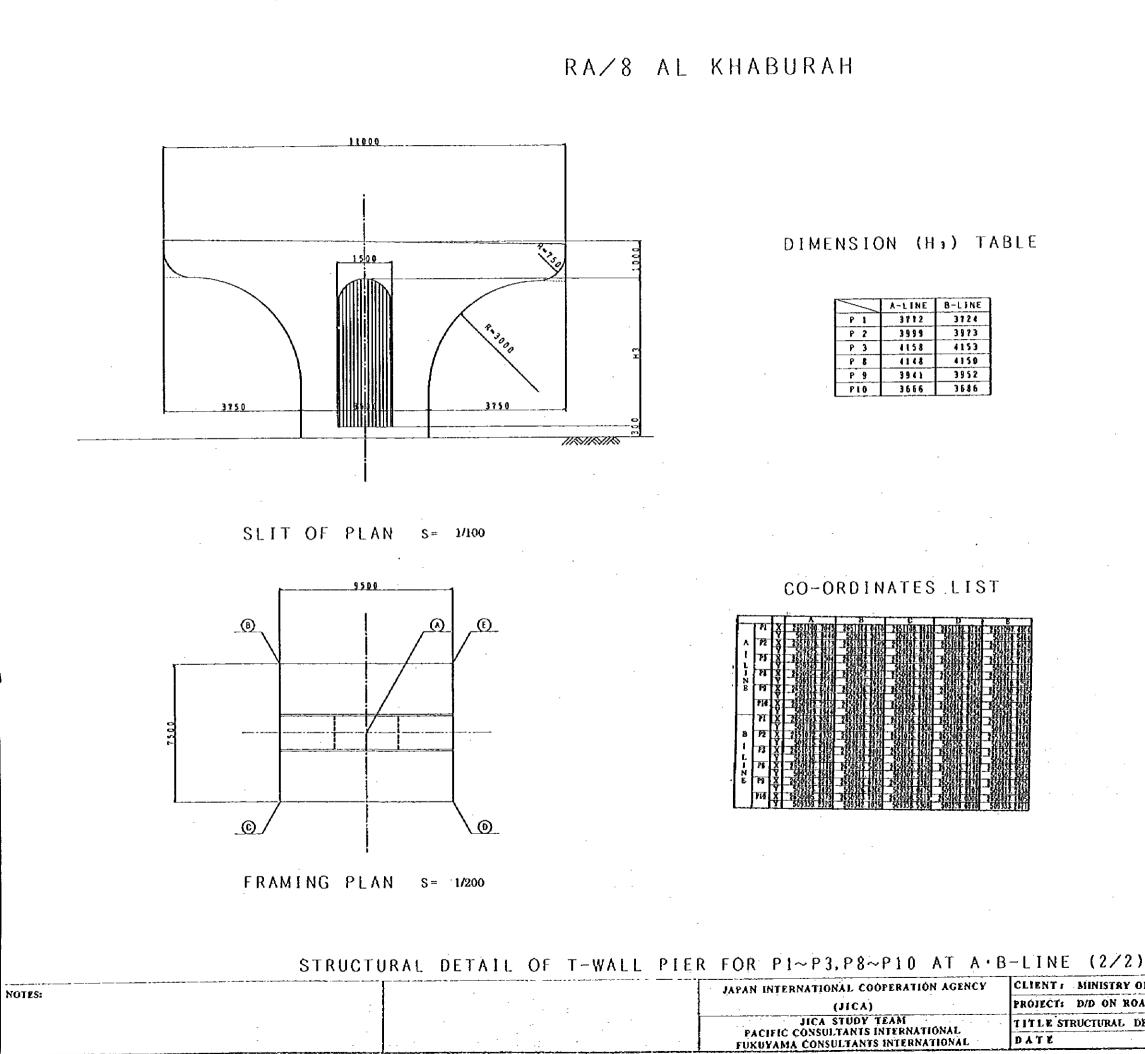
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	·		
D DEVELOPN	ATIONS, DIRECTO	DN BATINAH HI	GHWAY
DETAIL OF	TWO-COLMN PI	ER(P4~P7) AT A	,B-LINE (2/2)
««الدست بساوه ويتواري وارد و	DWGNO.	B-29	a construction of the local data

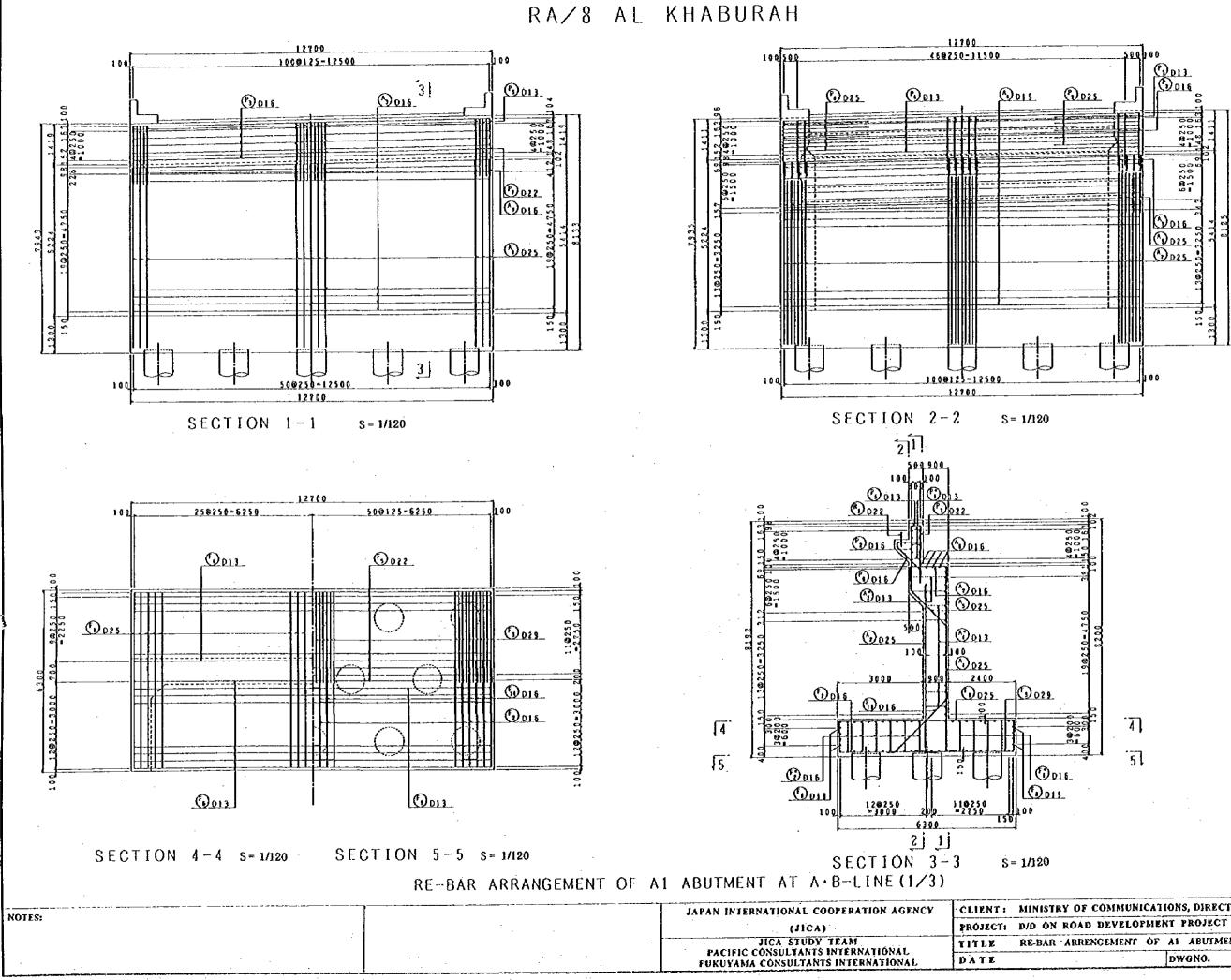


	<b>РНЗ</b>	- H 1	Н Ż
Э	1.865	5072	6528
7	2.136	5293	6301
1	2.339	5458	6142
1	2.339	5148	6152
5	2.135	5241	6359
9	1.865	4966	683(
1	1.865	5024	6576
3	2.136	5273	6321
6	2.339	5453	6149
9	2.339	5450	6150
4	2.136	5252	5348
9	1.885	4986	6514

/2)			
OF COMMUNICATI			
DETAIL OF T-WA			
	DWGNO.	B-30	

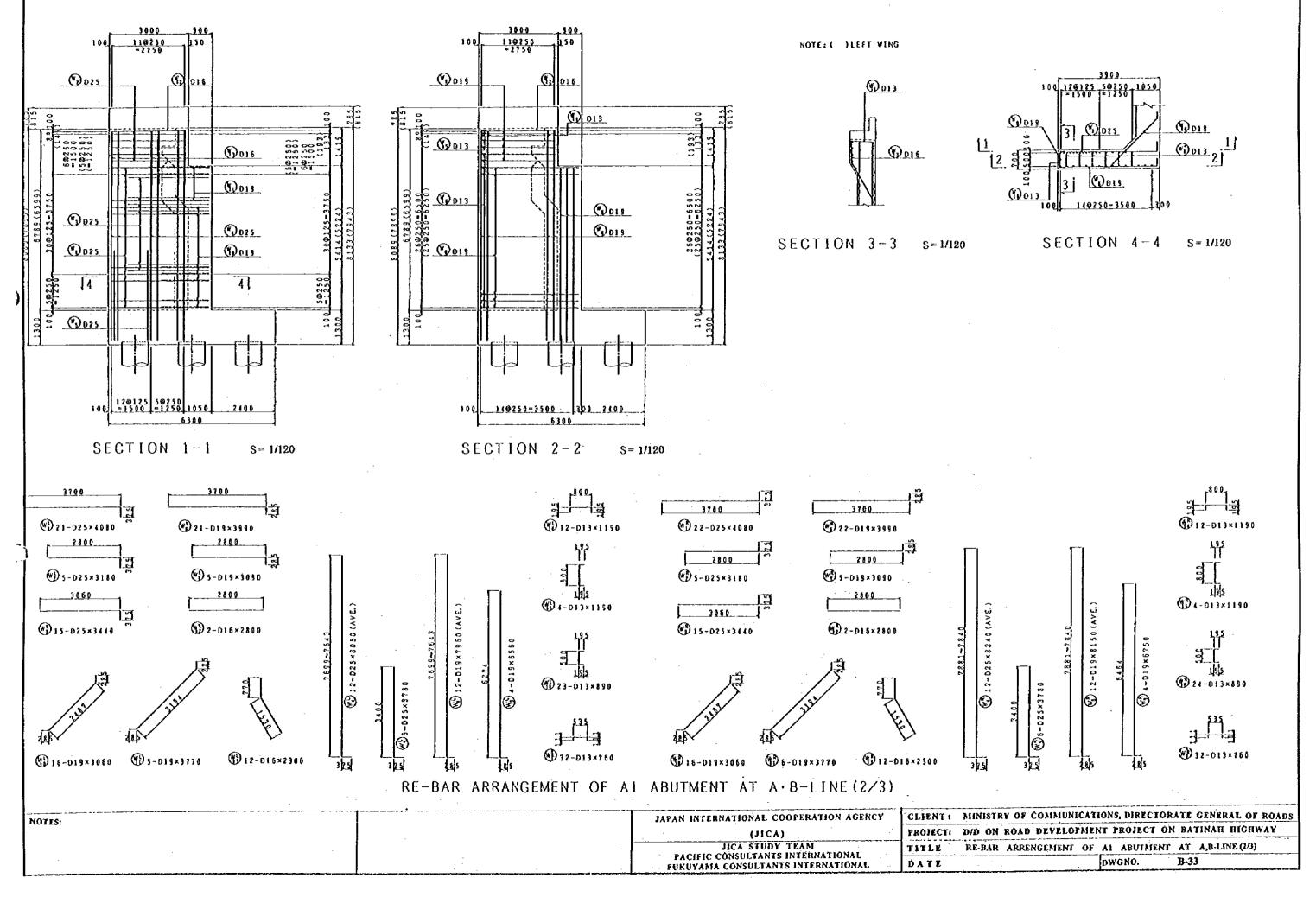


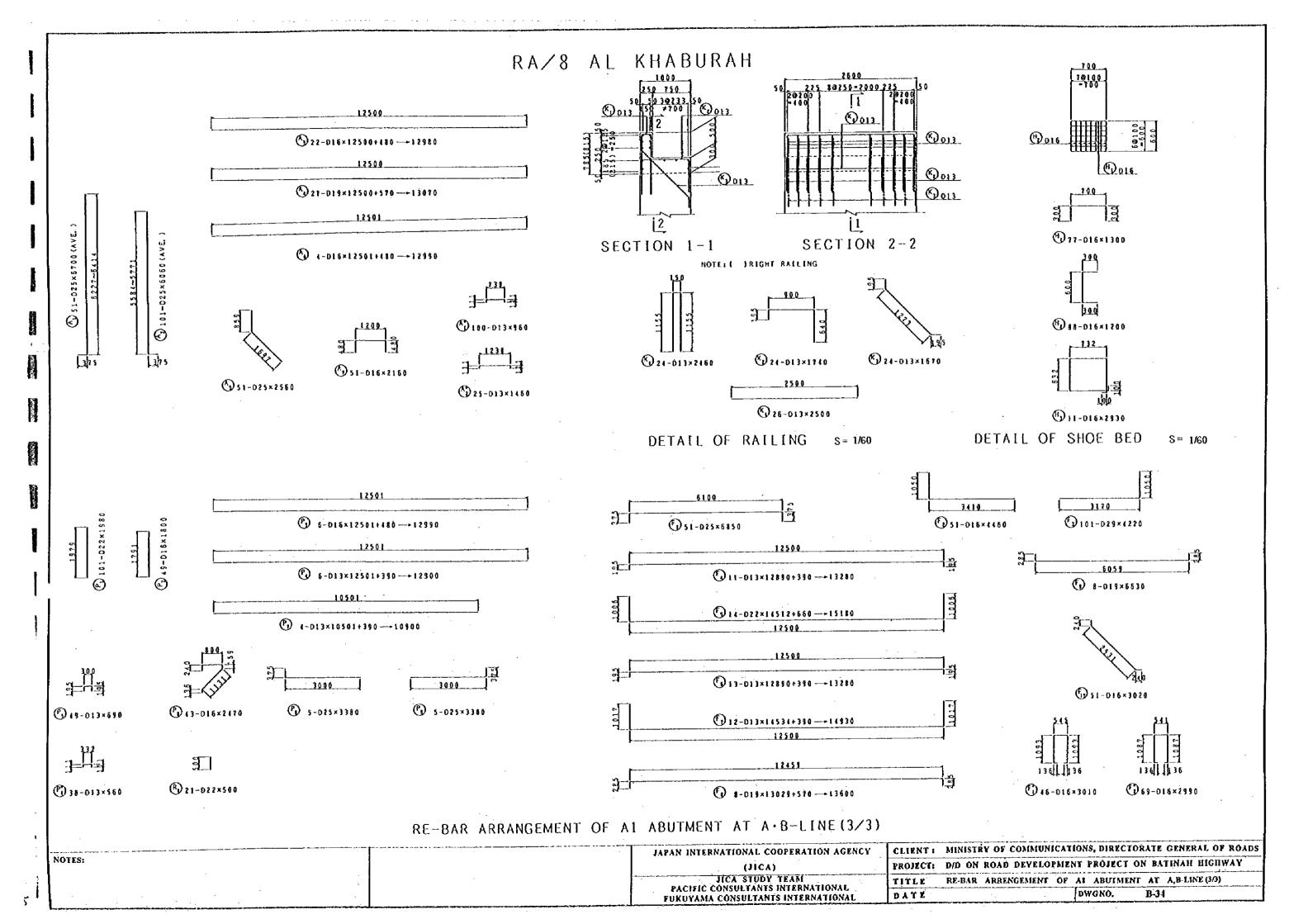
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COMMUNICAT	IONS, DIREC	TORATE GEN	ERAL OF ROADS
D DEVELOPME	NT PROJECT		н ніснулу

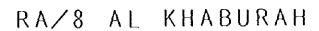


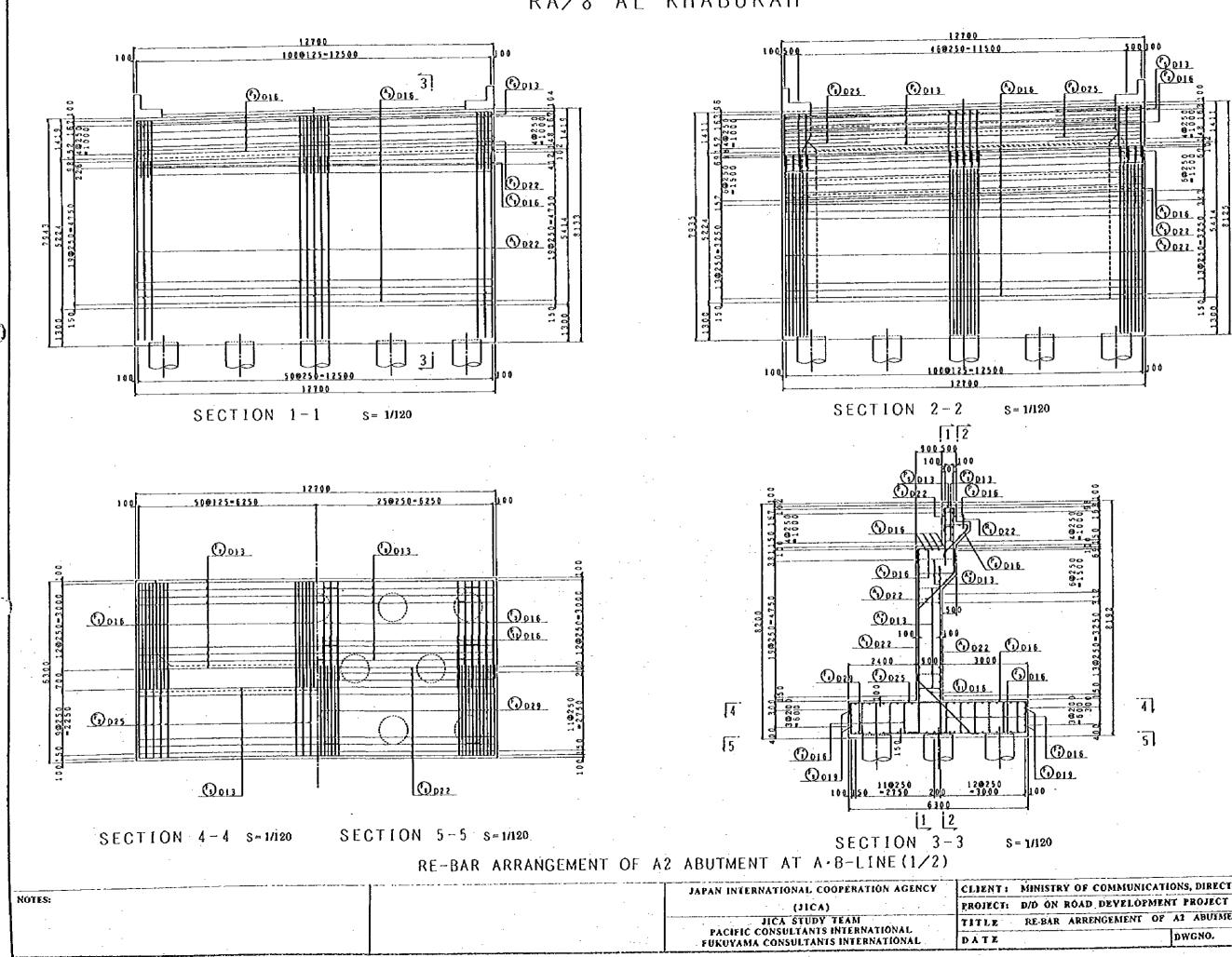
		RATE GENERAL OF ROADS
OAD DEVELOPM	ENT PROJECT OF	N ВАТІЛАН ШІСПWАУ
RRENGEMENT O	AI ABUTMENT	AT A,B-LINE (1/3)
· · · · · · · · · · · · · · · · · · ·	DWGNO.	B-32

RA/8 AL KHABURAH

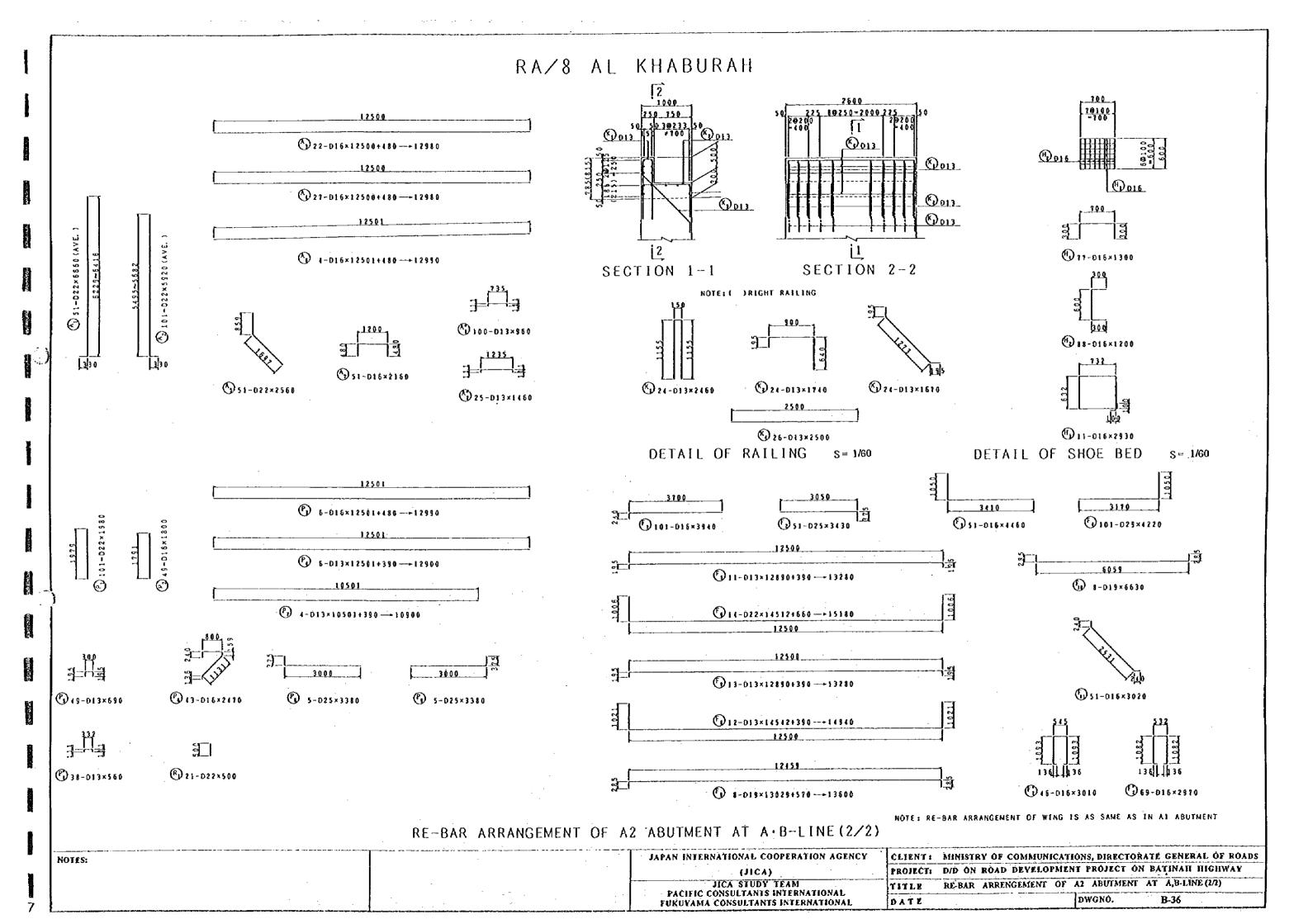


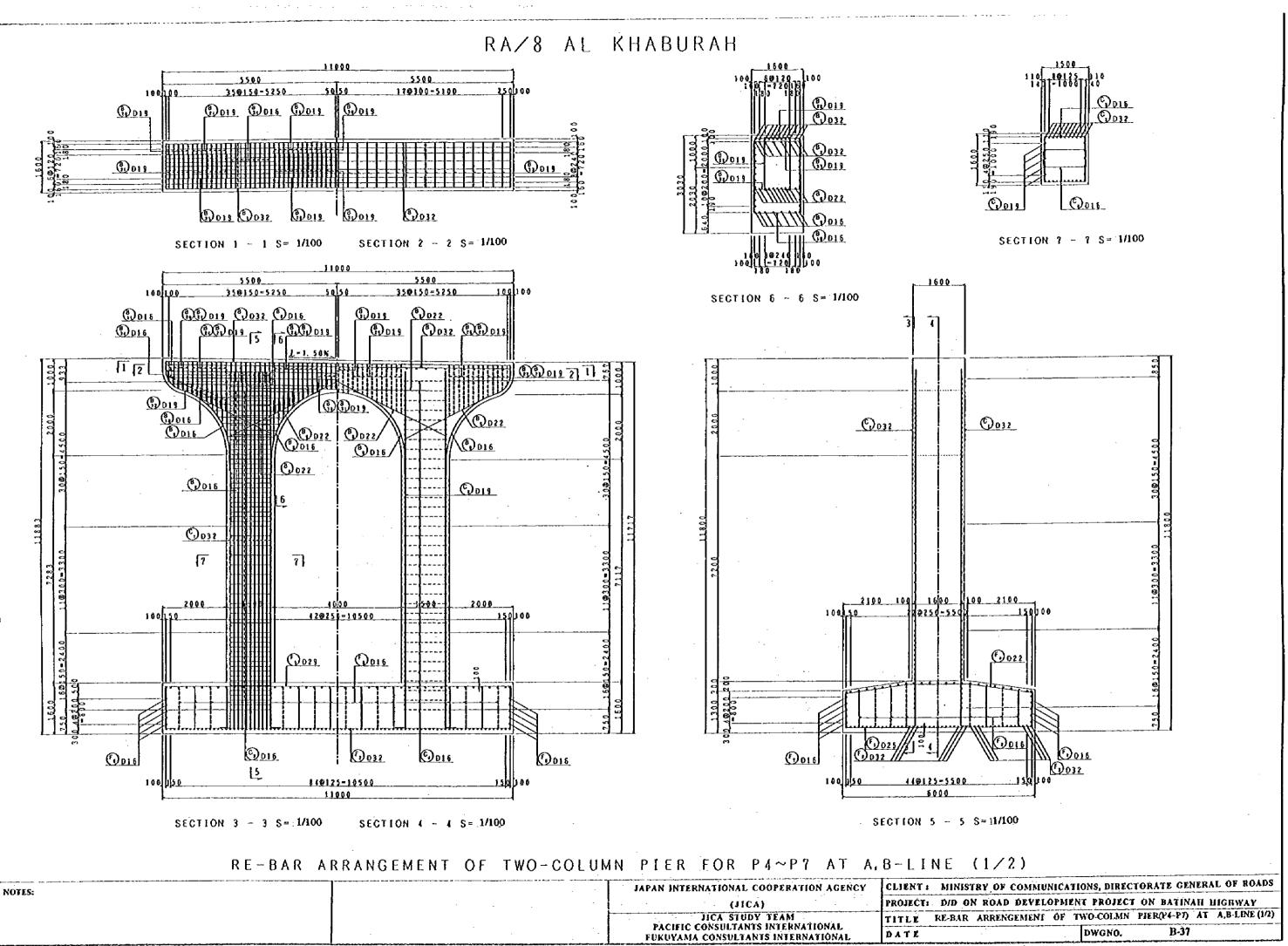




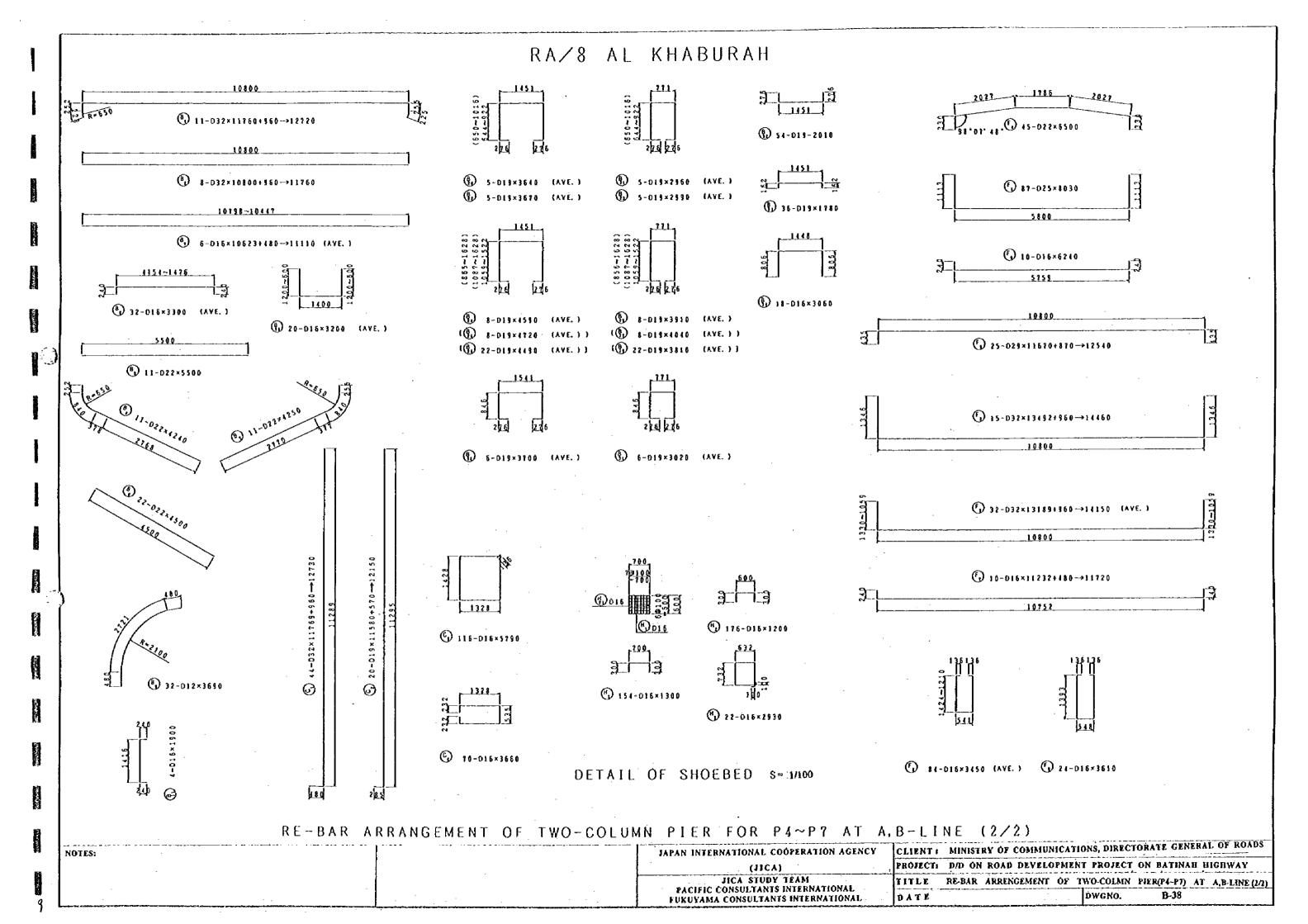


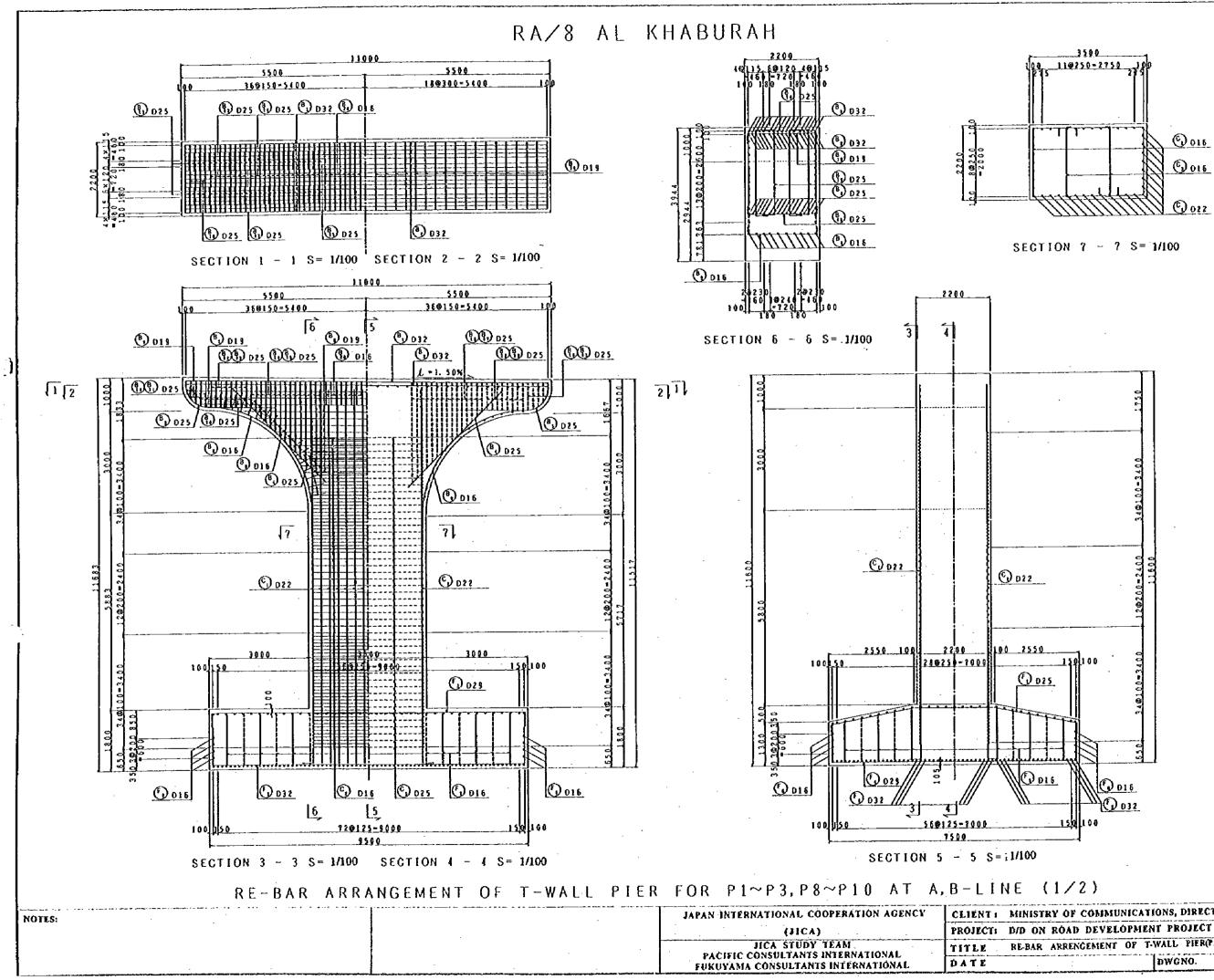
	DWGNO.	B-35
ARRENGEMENT OF	A2 ABUIMENT	AT A,B-LUNE (1/2)
OAD DEVELOPMEN	T PROJECT ON	ВАТІЛАН ПІСЯЖАУ
OF COMMUNICATI	ONS, DIRECTOR	TE GENERAL OF ROADS





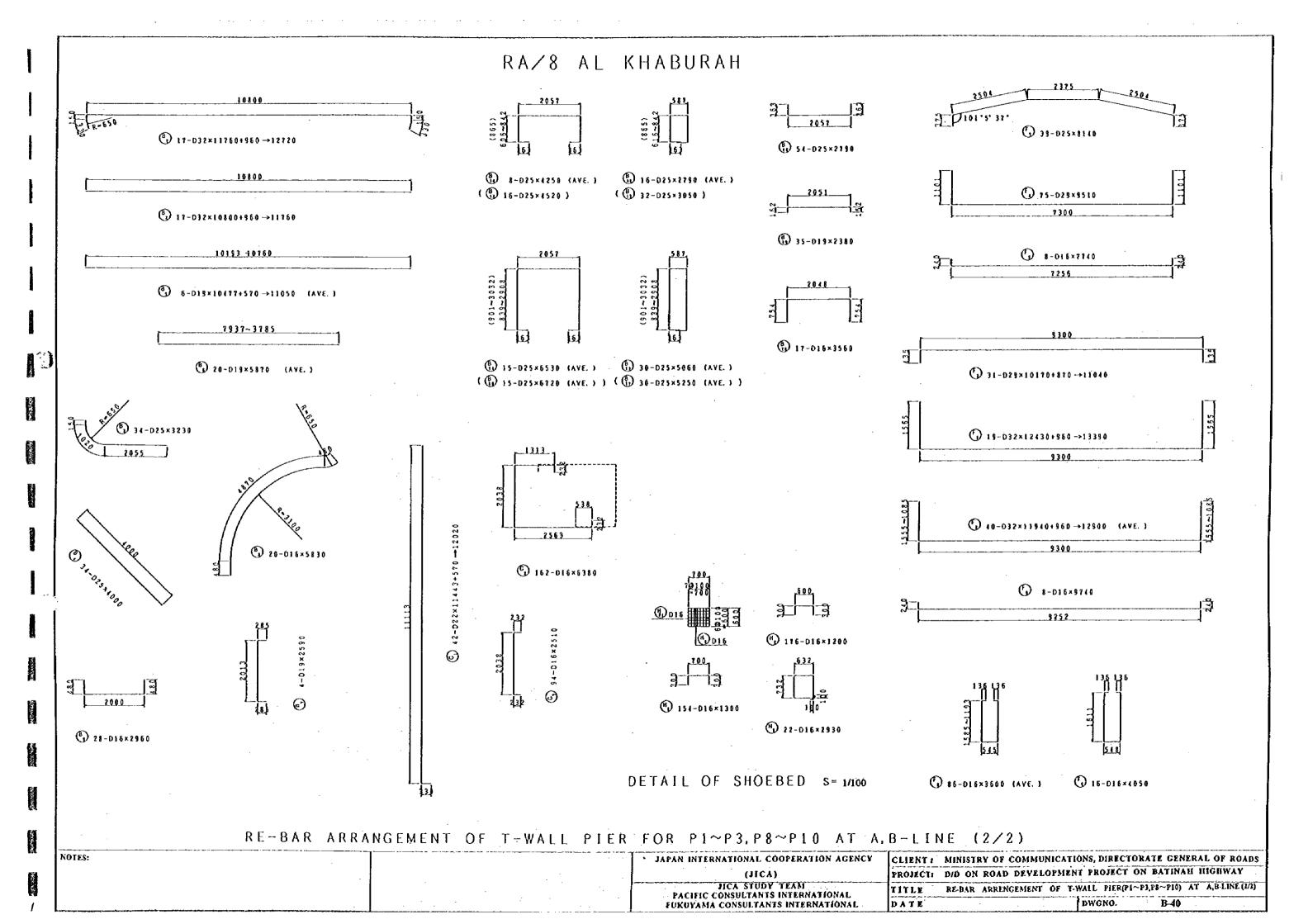
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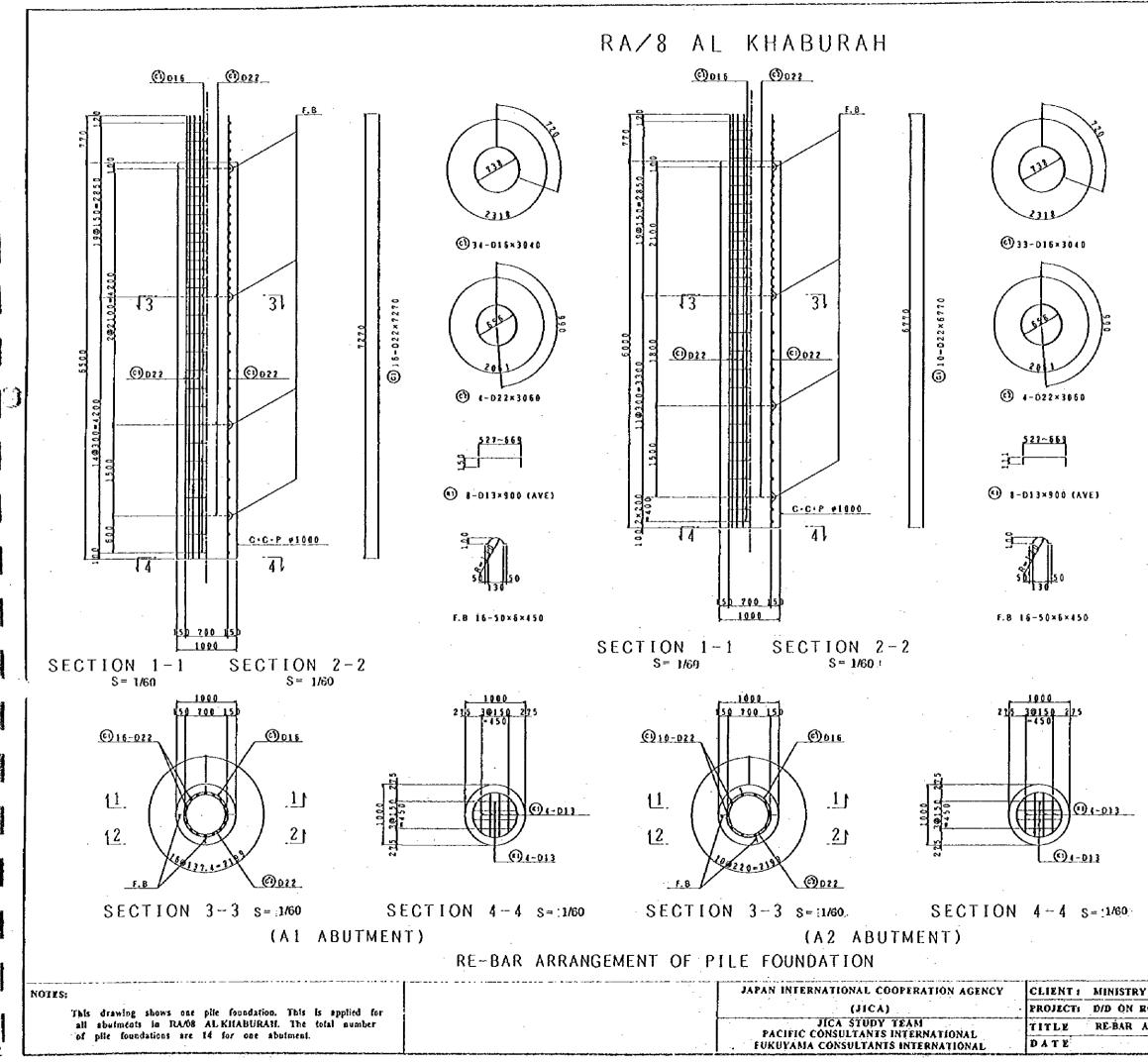


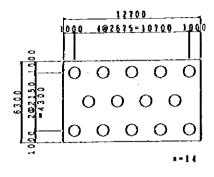


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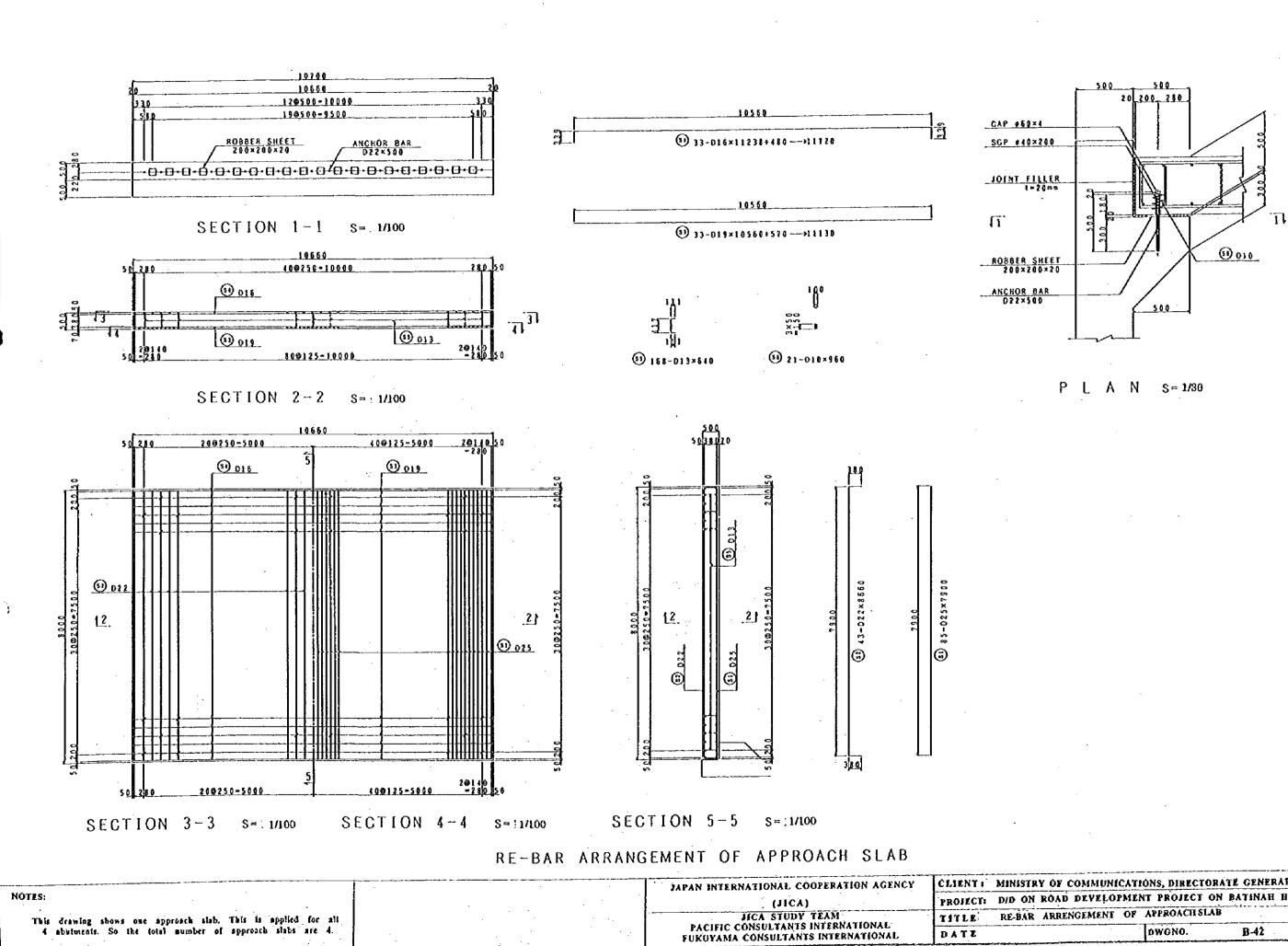
(1/2)			
RY OF COMMUNICATI	ONS, DIRECT	ORATE GENER	AL OF ROADS
ROAD DEVELOPMEN	T PROJECT	ON BATINAH	ПСПWAY
ARRENCEMENT OF T.	WALL PIER(PI	~P3,P8~P101 AT	A,B-LINE (UI)
· · · · · · · · · · · · · · · · · · ·	DWGNO.	B-39	







OF COMMUNICAT	IONS, DIREC	TORATE GEN	ERAL OF ROADS
OAD DEVELOPMEN			
RRENGEMENT OF	PILE FOUN	DATION	
· · · · · · · · · · · · · · · · · · ·	DWGNO.	B-41	



TATE GENERAL OF ROADS
N ВАТИЛАН ПІСЦІЧАЧ :
B
B-42

# BAR BENDING DIAGRAM

۱.

#### LAP JOINT LENGTH

4 L	LAP JOINT LENGTS
13 390	
16 480	
519 510	
22 650	
25 150	
29 810	-
032 950	

#### BENDING DIMENSION (MAIN REINFORCEMENT)

.

₩ ¢	€≤90* R=3¢.	€>90* R=5, 5¢	ROOK LENGTH
Ó13	39	71.5	
016	11	88	
019	57_	101.5	· • • • • • • • • • • • • • • • • • • •
022	65	121	
025	15	171.5	
029	11	151.5	<b>→</b> .
032	96	176	R=1+#/2

• •

BENDIN DIMENSION (STIRRUP, ERECTION BAR)

	8-9		8=90" 8=45"				HOOK LENGTH	
*	R=2.5P	•	ł	STERRUP	ERECTION BAR	HOOP		
013 016 019 022	37.5 40 47.5 55	51 53 75	<u> </u>	v v v v v v v v v v v v v v v v v v v	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\frac{r-2}{6-45}$		

	JAL	PAN	ИАНО		
-	CROSS- SECTIONAL ARER {cm*}	NOMIMAL WEIGHT (Lt/m)	CROSS- SECTIONAL ARER (cm')	NOMENA WE	
D13	1.267	0.995	1.290	0.99	
D15	1.986	1.56	2.000	1.55	
019	2.855	7,25	2.839	7.23	
022	3.871	3.04	3.871	3.04	
D25	5,067	3.98	5.097	3.91	
023	6.124	5.04	6.452	5.05	
032	7.942	<u>6.23</u>	4.194	6.40	

	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT : MINISTRY OF COMMI
	(JICA)	PROJECT: D/D ON ROAD DEVE
	JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL	TITLE B/
· .		DATE

NOTES:

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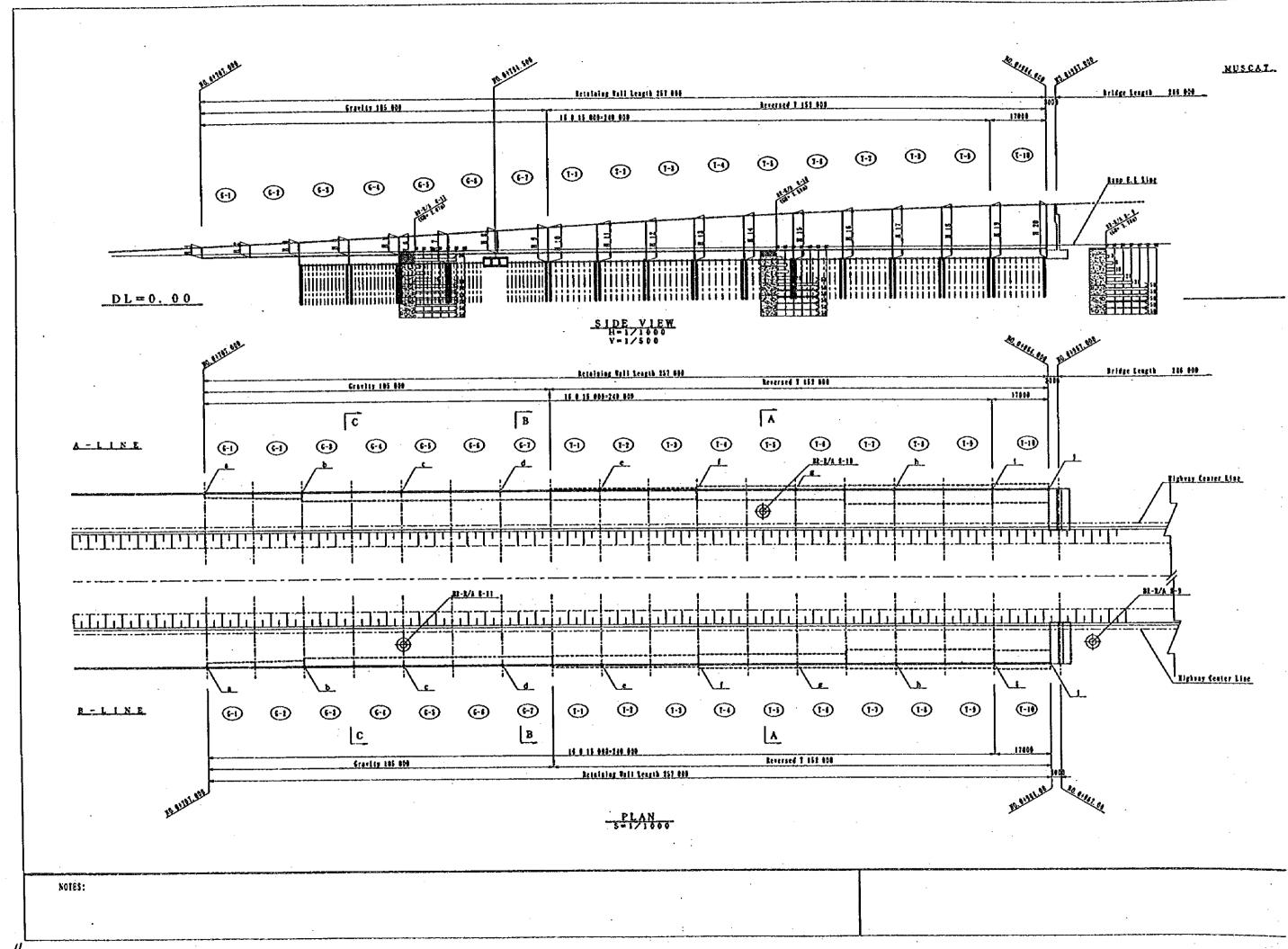
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F COMMINICA	TIONS, DIRICT	ORATE GENERA	L OF ROADS
AD DEVELOPM	ENT PROJECT	ON BATINAN II	IGHWAY
BAR BE	NDING DIAGRA	M	
	DWGNO.	B-43	

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# STRUCTURE -RETAINING WALL



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KUSCAT\_

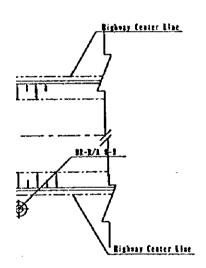
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<u>Reversed</u> T	•		<u>t v (Spread Foun</u>	dation)
N VIEW	B 2 B 3	MARK	н в	UhUB

TYPE	ARK	н	h	1	В	B 1	B 2	B 3
	1- I	118=4 753	3	3 5 3	3 0 0 0	800	505	1 6 9 5
AF	1-1	11=5 1 8 9	3	189			538	1662
. F	1-1	12-5 591	4	191			569	1 6 3 1
- I    -		11=5 593	4	593			600	1 6 0 0
	1-4				3 5 0 0	1 0 0 0	648	1 8 5 2
L	1- 5	14-6 350	4	950			677	1 8 2 3
1	t- €	11-6 707	5	307			702	1 7 9 8
_* F	1- 7	11-7 019	5	619	4 5 0 0	1 2 9 0	718	2 5 8 2
N		17-7 331	5	931	<b>.</b>		744	2 5 5 6
	1- 3	11-7 598		198	ł		766	2 5 3 4
EL	1-3						789	2 \$ 1 1
_ [	T-1#	13-7 865		465	5 0 0 0	1 6 0 0	803	2 6 9 7
	1-14	H=8 133	_	733	L		826	2674
	1- I	111=4 823	3	423	3 0 0 0	800	530	1 690
В	1-1	11-5 2 6 9	3	859	Į		5 6 9	1 6 3 1
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	1- (	11-6 420	E E	020	1		653	1 847
L	1- \$				4		682	1 8 1 8
	3- E	11-6 777	+	377	<b>.</b> .		707	1793
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.,		11-7 401	6	001	]		750	2 5 5 0
N	7- 8	-{ 31=7 668	6	298	1		712	2 5 2 8
E	1- \$	- 15-7 935		635	1	· · · ·	794	2 5 0 6
<b>ٿ</b> ا	7-18	L	4		\$ 000	1 5 0 0	809	2 6 9 1
		11-8 203	6	803	<u> </u>	1	832	2 8 6 8

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l k	61	1=2 008	1 4 5 5		3 4 5 5
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ļķ		1=1 823	1 3 4 4	÷	3 3 4 4
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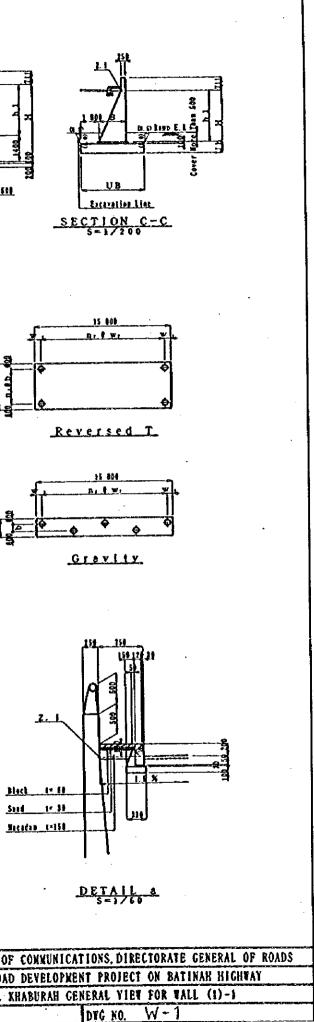
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#### <u>Gravity (Pile Foundation)</u>

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	ļ	- 4-6 098	2 6 9 8		1786	1015
Ĩ	4 1	1-4 503	3 1 0 3		2 0 1 6	784
N	66	1-3 507	3 507	1	2 2 4 5	555
E	67	1-5 348	3 9 4 8	1	2 4 9 6	304
<u> </u>	6- 2	1 4-3 484	2 0 8 4	2 800	1 4 3 6	1 3 6 4
B	<u> </u>	5-3 810	2 4 1 0	1	1 6 2 1	1 1 7 9
11	<u>F-1</u>	6-4 136	2 7 3 5	1 .	1 8 0 6	. 994
ī	61	7-4 5 2 5	3 1 2 5	1	2 0 2 8	2 0 2 5
N	6-1	1-4 915	3 5 1 5	1 ·	2 2 5 0	650
E	6-1	1.5 3 5 2	3 9 5 2	<u> </u>	2 4 9 9	301

Reversed T       n: # b       w:       n: # w:			A-LIN	E		B	- LINE	
T       1       1       8       6       7       1       9       6       0       0       T       1       ~ T       3       1       1       8       0       6       7       0       1       9       0       1       6       0       0       T       1       ~ T       3       1       0       1       8       0       6       7       0       1       9       1       5       0       1       6       0       0       T       -       T       3       1       0       1       8       0       6       7       0       1       6       0       0       T       -       T       3       1       0       1       8       0       6       7       0       1       6       0       0       1       1       6       0       0       1       1       6       0       0       1       1       6       0       0       1 <th>Pavaread T</th> <th>D. O. D. I</th> <th>W. D. W.</th> <th>6 L (m)</th> <th>Reversed T</th> <th>nitb Wi</th> <th>ni i we E</th> <th></th>	Pavaread T	D. O. D. I	W. D. W.	6 L (m)	Reversed T	nitb Wi	ni i we E	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	* 1 . 7 <b>.</b>	a second s	and the second	161 6 000	T 1 ~ T 3	1 0 1 800 67	6 7 6 1 9 5 0	36 6 0 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u> </u>				7 4 ~ 7 6	1 4 2 300 75	0 9 8 1 500	20
			475 7 4 1 9 5 0		7 7 7 9	the second s	5 7 0 1 9 5 0	24
	17419	2 0 1 900	725 9 4 1 700	30		2 1 1 900 12	5 9 0 1 700	30

			المتوجوع والالاختيار بيناتهم والمتعاد ومرودته
<u>ज़ज़ज़ज़ॻॻज़</u> ढ़ग़ऀऺॣऄढ़ऺढ़ॵॼॱॻॻॻज़ज़ॖॖॴॼॳॱॽॺॻॎख़ॱज़ॺज़ग़ॱज़ॿॱॻ॓ॻ॓ॼॼॱॼॱऄॶज़ॾॱॗॗॣॕॣॿॷॶॖज़ज़ज़ॿऻॱग़ऄग़ॺऄय़ॱऄऄऀऀऀॻॾॱॻॱज़ॿॱज़ज़ॵज़ऄख़ॱख़ॱॶक़ॱज़ॳढ़ॳऀॶॿॾॼॶॻॼॼॳऄॳॵक़ॻज़ॻ	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINISTRY OF CO
	(JICA)	PROJECT :	D/D ON ROAD DE
	TICL SSUDY TEAY	TITLE ;	R/A-8, AL KHABI
	PACIFIC CONSULTANTS INTERNATIONAL FUNCTANA CONSULTANTS INTERNATIONAL	DATE	
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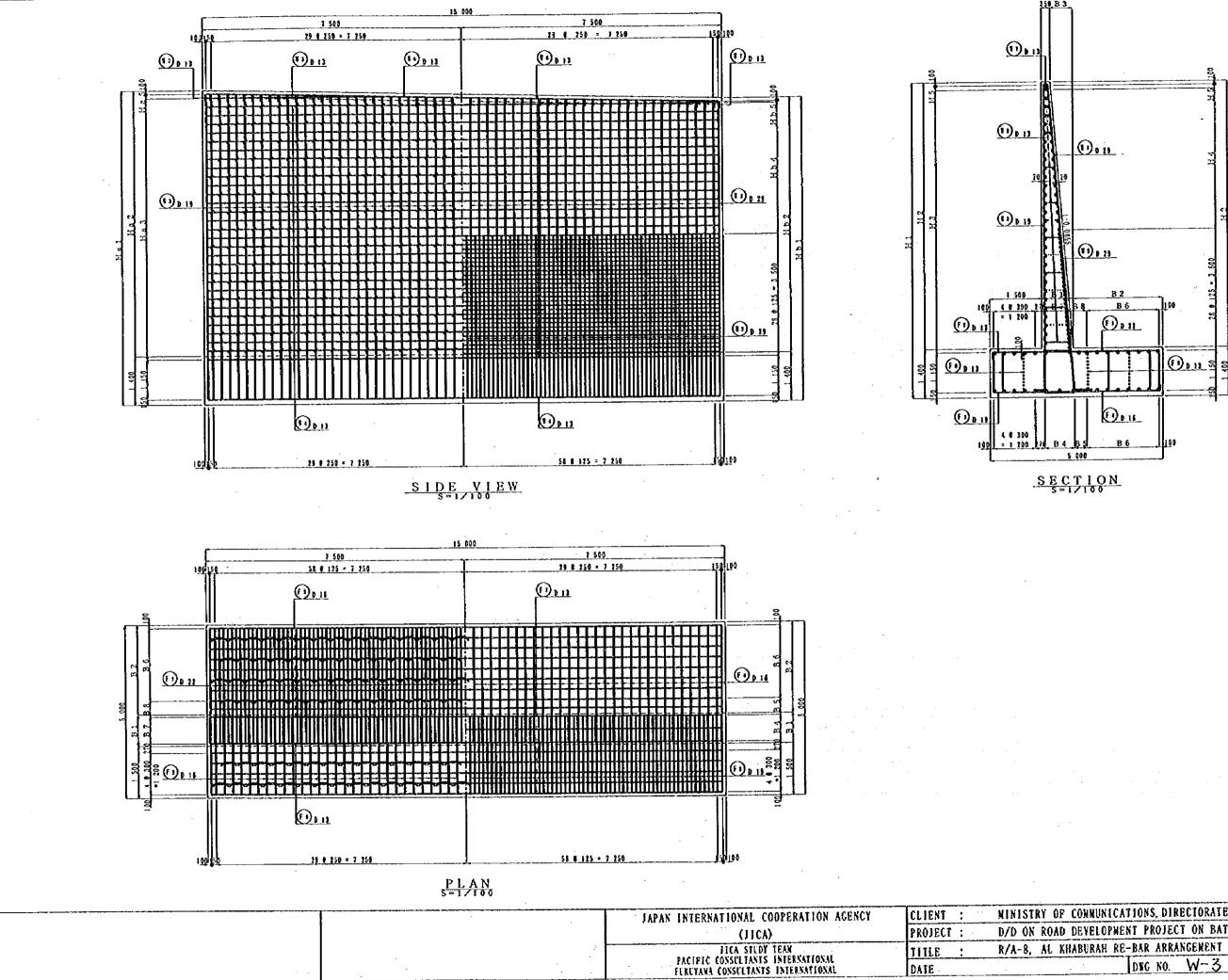


81					
		 	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINESTRY
- <u>8</u>	OTES:		(J1CA)	PROJECT :	D/D ON R
			JICA SILDY TEAN PACIFIC CONSULTANTS INTERNATIONAL	<u> 11718 :</u>	R/A-8, A
2			FUNCTIONAL CONSULTANTS INTERNATIONAL	DATE	

h ſ đ е g ъ С Point а +2651340. 58191 +2651324. 48514 +2651292. 38117 +2651268. 28081 + 2651244. 18044 +2651220. 08007 +2651195. 97970 +2651171. 87933 +26 A N 509044.78435 + 509062.64974 + 509080.51514 + 509098.38053 + 509116.24592 + 509134.11132 + 509151.97671 + 509169.84210 + 50 E 13.731 12.393 13.107 11.589 10.707 N E 9.898 9.208 z 8.636 Ŗ N + 509018, 35422 + 509036, 21961 + 509054, 08500 + 509071, 95039 + 509089, 81579 + 509107, 68118 + 509125, 54657 + 509143, 41196 + 50 ε 13.107 13.731 11.589 12.393 N 9.284 9.935 10.715 8.761 2

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IRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY AL KHABURAH GENERAL VIEW FOR WALL (1)-2 DUG NO. W-2

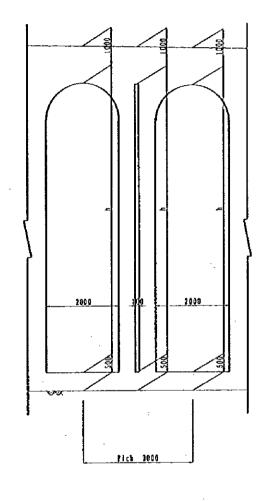


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	803
	697
2	V 3 1
	553
28	384.
=	769
	161
	300
	2 4 0 0
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201	i 2 9.
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7	935
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	6250
=	3 0 0 0
	809
2	691
	559
28	387.
=	175
	155
8 1	0300



Sill Shape in Front of Tall (Ibickness 1=30 mm)

NOTES: IAPAN INTERNATIONAL COOPERATION AGENCY (11CA) IICA SILDY TEAN PACIFIC CONSULTANTS INTERNATIONAL FURUHANA CONSULTANTS INTERNATIONAL DATE

8 1 3 3 H a 1 нья Ha2 6733 НЬ2 260250 = 6500 120250 = 3000A H a 3 ньз Ha4 нь4 233 нъ 5 H a 5 L 826 B-6-1 Ba1 Ī 2 6 7 4 B b 2 B & 2 N 576 B b 3 Ba3 2@396 = 792 864 E B 8 4 BbS 8 a 5 138 80300 = 2400 8 b 6 Ba6 694 8b7 Ba7 20118 = 236868 Ba8 (-10) a -- a 8 2 0 3 H b 1 Hal 6 8 0 3 H b 2 Ha 2 НЬ 3 нь4 нь 5 L 832 861 8 a 1 I 2 6 6 8 B b 2 8 a 2 Ν 582 Ba 3 въз 20399 Bbe E Ba4 = 798 132 вЪ B a 5 80300 = 2400 80300 = 2400 677 B a 6 861 70020115 = 230 8 8 7 вьл  $\begin{array}{r} B b 8 & 2 @ 1 2 6 \\ = 2 5 3 \end{array}$ Bað

T-10

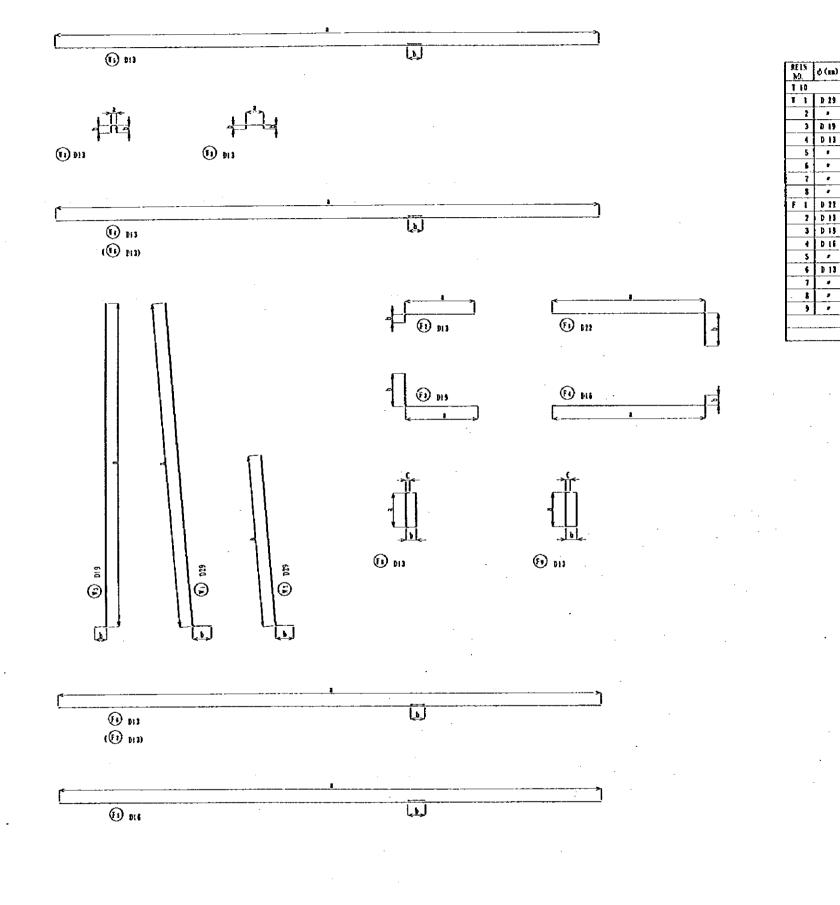
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OF COMMUNICAT	IONS, DIRECTO	IRATE GENERAL	. OF ROADS	
IOAD DEVELOPMEN AL KHABURAH RE-	IT PROJECT ON	BATINAH HIG	GHWAY	-
		-4		- - - -

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¢ (13)	LEXGIB (x1)	1	<u>b</u>	tt
D 29	\$ 224	7 912~7 643	435	
,	5 114	4 667	435	
0 19	L 040	7 883~7 615	285	
D 13	15 190	14 200	390	
•	13 260	12 267	390	
•	15 200	14 802	350	
•	500	119	195	
•	683	710~197	111	
D 21	4 46\$	3 308	1 150	
D 13	2 340	2 145	195	
D 13	3 120	1 570	1 150	
D 16	3 570	3 330	240	
,	15 280	14 800	480	
D 13	15 190	14 800	190	
	15 190	14 800	390	
,	2 850	1 179	275	н
	2 870	1 182	281	111

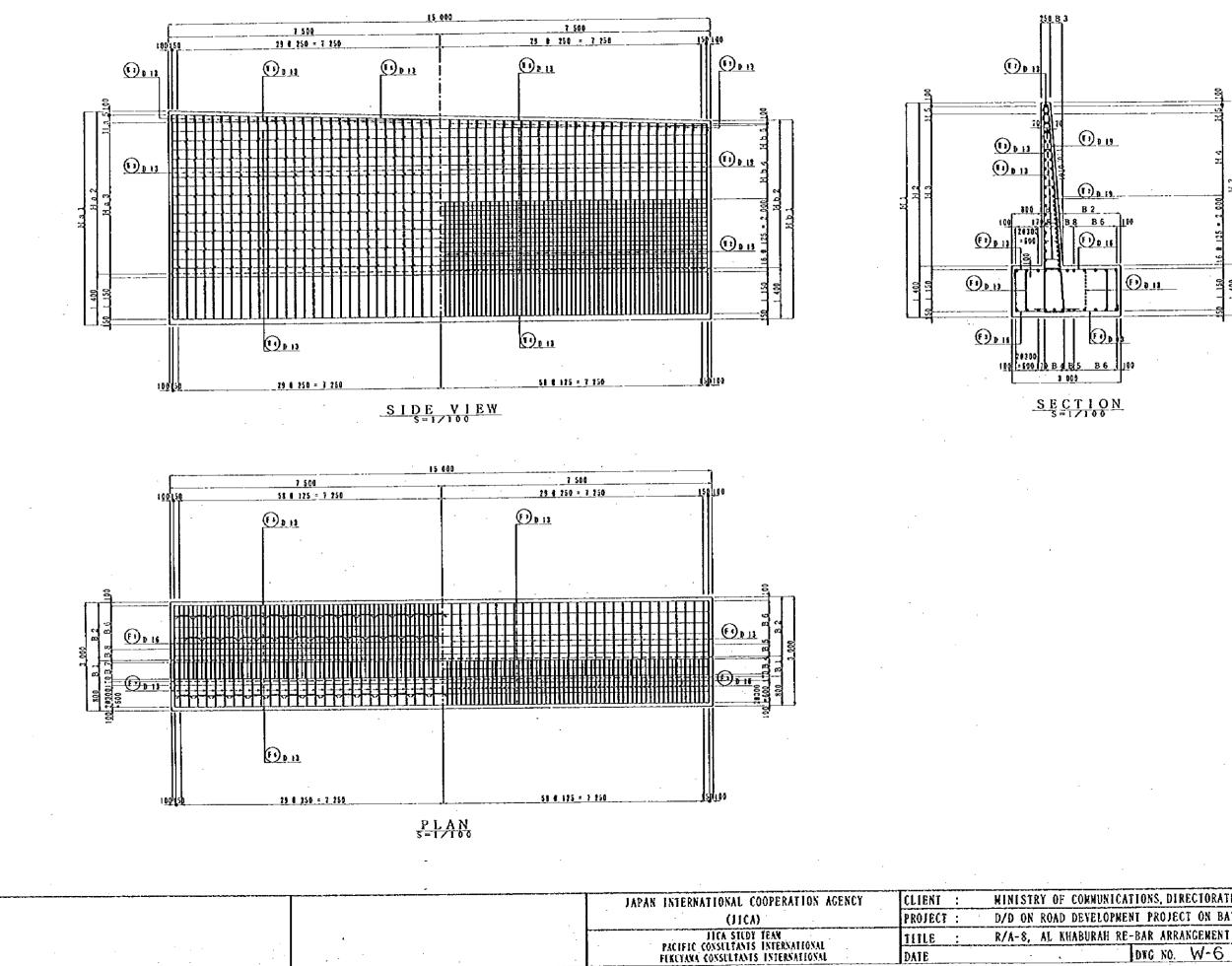
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YATE.		JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINISTRY
NOTES:		(JICA)	PROJECT :	D/D ON RO
		JICA STUDY JEAN	TITLE :	R/A-8, AL
		PACIFIC CONSULTANTS INTERNATIONAL FUELYANA CONSULTANTS ENTERNATIONAL	DATE	

RE IS No	6(11)	4 E 3 G 1 H (HA)	2	b	C
I I	}				
I	D 79	8 199	1 932~1 111	435	—
	2 .	\$ 114	4 667	435	— ·
	3 D (9	\$ 110	1 353~7 685	285	— — ·
-	4 0 13	15 199	14 800	330	
	5 ,	8 378	1 366		
-	6 .	15 200	14 806	390	
	1 .	500	110	195	
	8 .	690	216~203	111	
F	D 22	4 460	3 302	1 150	
	2 0 13	1 350	2 151	195	
	3 0 13	3 120	1 310	1 150	
	E D 16	3 574	3 330	249	
	5 1	15 289	14 800	(84	
-	6 0 12	15 190	L4 800	399	
	7 .	15 190	14 800	350	· · · · · ·
	1 1	2 850	1 178	173	HI III
	9 •	2 170	1 1 102	181	III
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NOTES:

MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY R/A-8, AL KHABURAH RE-BAR ARRANGEMENT (4) DIG NO. W-G

TITLE

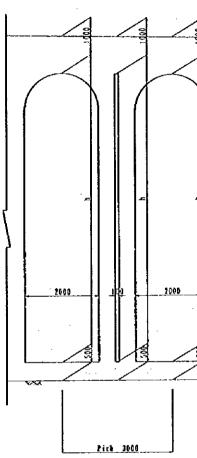
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		a - a		b - b		a – a		b - b		a – a		b - b
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	H a 2	4 5 9 3	H & 2	4 1 9 1	Ha 2	4 1 9 1	H b 2	3789	li a 2	3789	H b 2	3 3 5 3
A	Ha 3	178250 = 4250	ньз	160250 = 4000	Ha 3	160250 = 4000	11 b 3	150250 = 3750	Ha 3	140250 = 3500	H b 3	130250 = 3250
	H a 4	98250 = 2250	H b 4	80250 = 2000	Ha4	89250 = 2000	II b 4	70250 = 1750	Ha4	60250 = 1500	H b 4	50250 = 1250
	Ha 5	20171.5 = 343	H b 5	191	Ha 5	191	Hb5	39	HaŞ	20144.5 = 289	H b 5	103
	Bal	600	въі	569	8 a 1	569	8 b 1	538	Bal	538	861	505
I	B a 2	1600	B b 2	1 6 3 1	B a 2	1 6 3 1	8 b 2	1662	B a 2	1 6 6 2	B b 2	1 6 9 5
N	Ba 3	350	B b 3	319	Ba3	319	B b 3	288	Ba 3	288	B b 3	255
E	Ba4	20217.5 = 555	B b 4	20262	Ba4	20252	B b 4	20246.5 = 493	Ba4	20246.5 = 493	B b 4	20230 = 460
<b>1</b>	Ba5	275	B b 5	- 306	B & 5	306	В Ь 5	337	Ba5	337	въѕ	370
	Ba6	40300	866	40300 = 1 200	Ba6	40300 = 1 200	B 6 6	40300 = 1200	8 a 6	40300 = 1 200.	B b 6	40300 = 1200
	Ba7	468	Bb7	437	Ba7	437	B 6 7	406	<b>Ba</b> 7	406	867	373
	Ba8	20181 = 326	B b 8	20196.5	B a 8	2@196.5 = 393	B b 8	20212 = 424	B a 8	20212 = 424	868	20228.5 = 457
		Œ	-3)			Ţ	2)			T	-)	
ł		a – a		b – b		a – a	-	b - b		a – a		b - b
	Ral	6063	It b 1	5 6 5 1	Hal	5 6 6 1	H 6 1	5 2 5 9	Hal	5 2 5 9	ньі	4 8 2 3
	H a 2	4 6 6 3	H b 2	4 2 6 1	H a 2	4 2 6 1	11 5 2	3 8 5 9	H a 2	3 8 5 9	H b 2	3 4 2 3
B	H a 3	180250 = 4500	ньз	170250 = 4250	H a 3	160250 = 4000	II b 3	150250 = $3750$	H a 3	150250 = 3750	H b 3	130250 = 3250
	H a 4	100250	H 6 4	96250 = 2250	Ha4	807250 = 2000	H b 4	70250 = 1750	Has	70250 = 1750	Hb4	50250 = 1 2 5 0
	Ha 5	163	H b 5	11	HaS	20130.5 = 261	НЪ5	- 109	H a 5	109	H b 5	173_
	Bal	605	861	574	Bal	574	8 b 1	569	Baj	569	ВЪ1	510
1	Ba2	1 5 9 5	B b 2	1626	8 a 2	1 6 2 6	B b 2	1631	B a 2	1 6 3 1	ВЪ2	1 6 9 0
N	8 a 3	355	в в з	324	Ba3	324	вьз	294	Ba 3	- 294	8 b 3	260
E	8 a 4i	20280	B & 4	20264.5 = 529	Ba4	20264.5	B b 4	20262 = 524	Ba4	20262 = 524	854	20232.5 = 465
	8a5	270	B b 5	301	Ba5	301	B b 5	306	B a 5	305	въ5	365
	B a 6	40300 = 1 200	866	49300 = 1200	Ba6	40300 = 1200	B b 6	40300	B a 6	40300 = 1 200	B b 6	40300 = 1 200
	Ba7	473	B b 7	442	8 a 7	442	B b 7	437	B 8 7	437	B & 7	378
i	B a 8	20178.5 = 357	B & 8	20194 = 388	Ba 8	20194 = 388	В Ъ 8	20196.5 = 393	B 8 8	20196.5 = 393	868	20226 = 452

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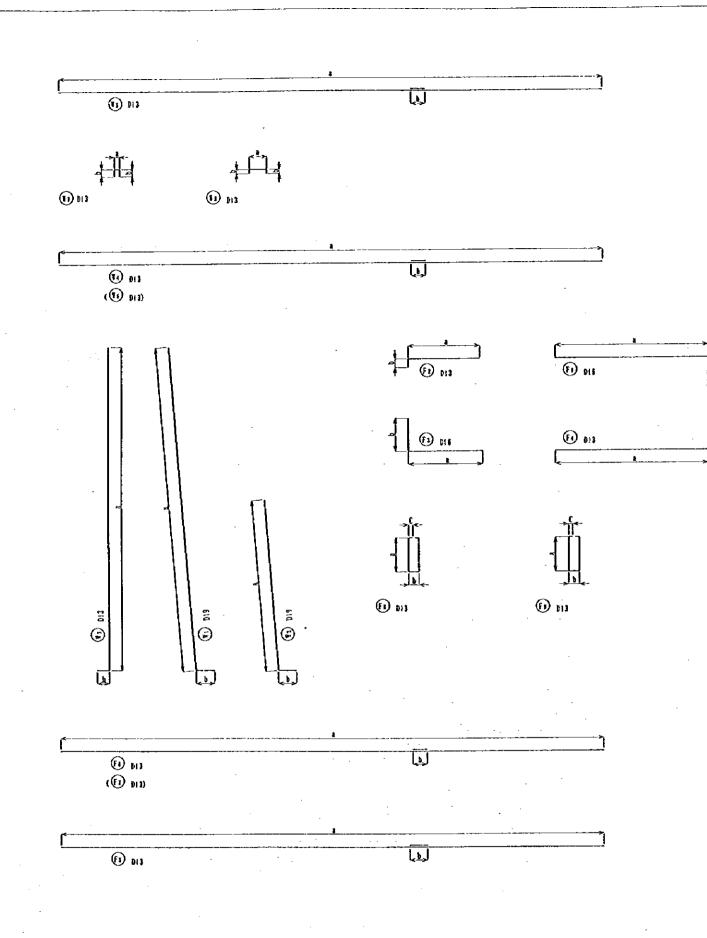
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Slit Shape in Front of Tal (Ibickness t=30 pm)

NOTES: JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) JICA STUDY TEAN PACIFIC CONSULTANTS INTERNATIONAL FERUYAMA CONSELTANTS INTERNATIONAL DATE

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OF COMMUNICATIONS.	DIRECTORAT	E GENERAL	OF ROADS	
DAD DEVELOPMENT PRO L KHABURAH RE-BAR A			<u>VAI</u>	
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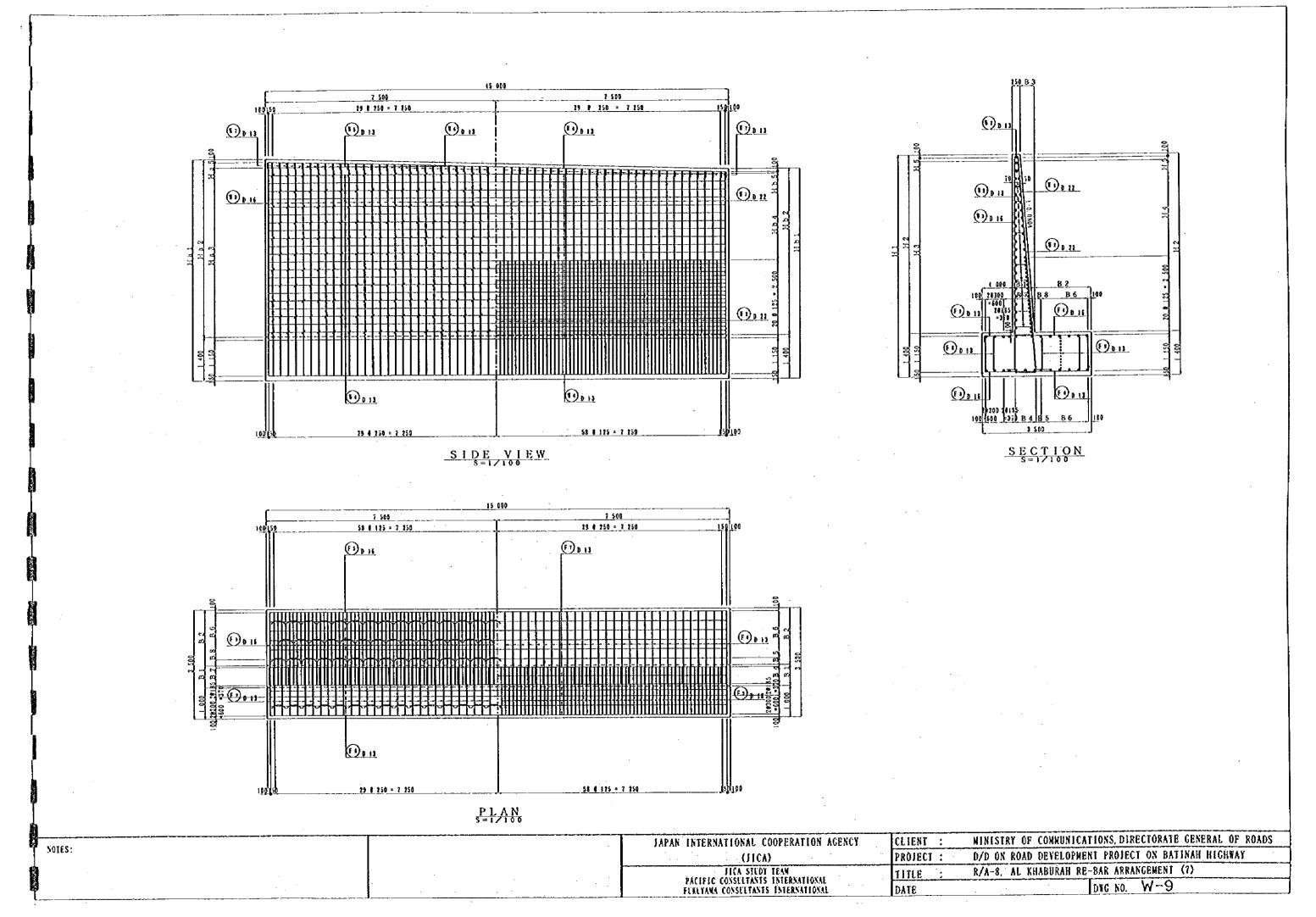
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11					
11	0 19	\$ 020	4 53~4 516	285	
2		1 450	3 155	235	
1	D 13	6 2 69	4 935~4 503	195	·
(		15 190	14 800	390	
\$		1 140	5 \$10~4 905	390	
- 6		15 200	14 806	350	
1		500	110	195	
		\$30	315~188	111	
F I	D 16	\$ 280	1 121	I 150	
<u>```</u>	D 13	1 350	1 152	195	
	0 16	2 263	1 110	1 150	·
			2 830	195	· · · · · · · · · · · · · · · · · · ·
4	0 13	2 230		193	
5	*	15 199	14 800		
6		15 190	14 800	330	
7	*	15 150	14 800	390	
		2 863	1 171	278	- 111
9		2 860	1 171	274	<u> </u>
11					
11	D 13	5 443	\$ 356~4 \$53	285	
2	•	3 458	3 155	285	
3	P 13	5 348	\$ 361~4 935	155	
4	•	15 134	14 800	399	
\$		7 048	7 132	<b>-</b>	
5		15 200	14 806	350	
7	-,	500	110	135	
		540	41~111	111	
<u> </u>					
1 3	D 16	3 240	2 035	1 150	
1	D 13	1 384	1 184	195	
. 1	D 16	2 160	1110	1 150	
4	D 13	2 230	2 030	195	
\$		15 190	14 800	390	
6	•	15 150	14 800	390	
?		LS 190	11 800	390	
1		2 860	1 178	271 -	<u>u</u>
3	•	2 861	1 17\$	278	<b>N</b>
13				·.	
11	D 13	5 850	5 760~5 356	285	
1	,	3 450	3 159	285	
3	61.0	5 758	\$ 743~5 341	195	
4		15 190	14 800	390	
		9 174	12 628~6 314	399	—
		15 204	16 805	350	
- 1		500	110	195	
		550	471~174		
		3 218	1 058	1 150	<u></u>
<u>F 1</u>	P (1	1 410	1 215		<u> </u>
2	D 13			195	
1	D 16	1 260	1 115	1 150	<u>↓                                     </u>
. 4	D 13	2 2 30	1 030	195	ļ
5	'	15 190	14 809	350	ļ
6		15 190	14 800	390	
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1	1	2 860	1 171	278	111
1					
		2 260	1 171	275	111

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AVIL3.				(JICA)	PROJECT	: D/D ON ROAI
			· .	IICA STUDY TEAN PACIFIC CONSULTANTS INTERNATIONAL	TITLE	: R/A-8, AL I
				FUKUYANA CONSULTANTS INTERNATIONAL	DATE	

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<u>50.</u> T 1		(11)			
11	D 15	5 099	5 023-4 585	285	·
2		3 458	1 159	285	
1	D 13	4 990	5 009-4 573	195	
•		15 190	14 800	390	
		8 340	12 186~3 700	390	
•		15 200	14 806	390	
 ī		500	110	155	
	,	560	487~119	111	
	D 16	3 160	2 103	1 150	
2	<b>D</b> 11	1 380	1 185	195	
	D 16	2 260	1 110	1 1 50	
	B 13	1 130	2 030	195	
5	,	15 150	14 800	390	
	,	15 399	14 800	390	
6	,			390	
1		15 150	14 800	278	111
	- <u>-</u>	8 860		278	111
9		2 860	1 171		116
			· · · · · · · · · · · · · · · · · · ·		
11	<b>N</b> 14	F E.A	5 417- E 645	285	i
11	D 13	\$ \$10	5 427~5 023	285	
1		3 450	3 155	185	
3	<b>P</b> 53	5 410	\$ 411~5 009		
- 1	•	15 190	14 800	350	
5		7 110	9 669~4 804	399	
1		15 200	14 806	190	
1		500	11	195	
1		550	452~186	111	
FI	D 18	3 430	1 051	1 150	
1	D 13	1 400	1 202	195	
3	D 16	1 260	1 110	1 150	
4	D 13	1 230	2 030	195	
5		15 190	14 800	190	
1		15 190	- 14 800	190	
7		15 190		130	
1		2 160	1 178	278	111
3	L	2 850	1 178	278	
13	r		T	1	·
5 1	D 13	\$ 520	5 830~5 427	285	
2	•	3 450	3 159	285	
3	D 13	5 \$10	5 113~5 411	240	
4		15 190	14 800	390	
5		6 610	6 00 i		
1		25 200	14 805	390	
1		500	810	195	
1		569	483~179	<u>- 1)(</u>	
-			2 653	I 150	
FI	DIS	3 210			
2	D 11	420	1 220	195	
-	D 11 D 15	1 420 1 260	1 110	1 158	
2	D 11	1 420 1 260 2 230	1 110 2 030	1 150 195	
2	D 11 D 15	1 420 1 260 2 230 15 490	I 510 2 030 14 800	1 150 195 390	
2 3 4	D 11 D 15 D 13	I 420 I 260 2 230 I 5 150 I 5 150	E 510 2 030 14 800 14 800	1 150 195 390 390	
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2 3 4 5 6 7 8	D 13 D 15 D 13 # #	1 420 1 260 2 230 15 490 15 490 15 490 15 490 2 850	E 510 2 031 14 800 14 800 14 800 E 175	1 158 195 390 390 390 271	
2 3 4 5 6 7	D 53 D 15 D 13 # #	1 420 1 260 2 230 15 190 15 190 15 190	i 110 2 030 14 800 14 800 14 800	1 150 195 390 390 390	
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2 3 4 5 6 7 8	D 13 D 15 D 13 # #	1 420 1 260 2 230 15 490 15 490 15 490 15 490 2 850	E 510 2 031 14 800 14 800 14 800 E 175	1 158 195 390 390 390 271	
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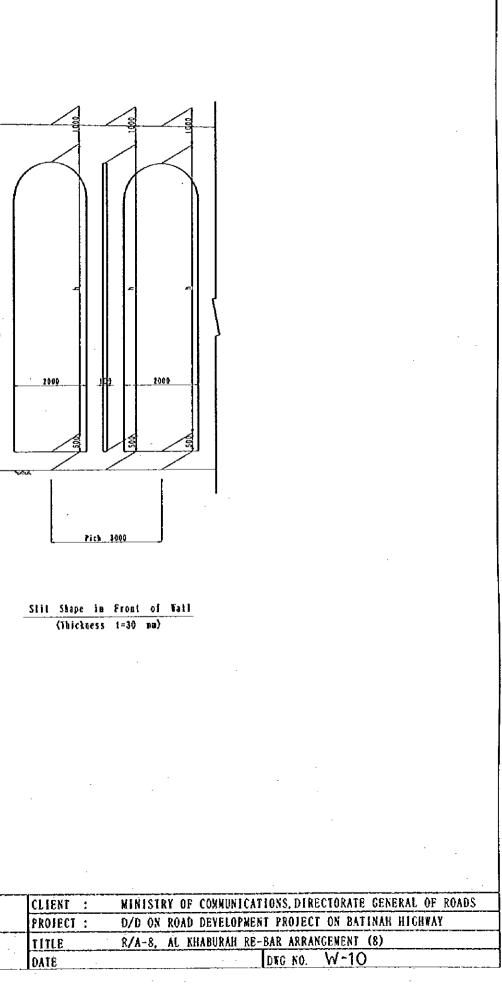
#### OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY AL KHABURAH RE-BAR ARRANGEMENT (6) DWG NO. W = 8



<b></b>		(T-	6			Ţ	5			(1-		
		a – a		b - b		a ~ a		b – b		a a	<b>.</b> .	b b
	Ha 1	7 0 1 9	нъз	6707	Hal	6707	ньі	6 3 5 0	Ha I	6 3 5 0	ньі	5.593
	11 n 2	5 6 1 9	H b 2	5 3 0 7	Ha 2	5 3 0 7	H b 2	4950	Ha 2	4 9 5 0	H b 2	4 5 9 3
A	Ha 3	220250 = 5 500	НЪЗ	200250 = 5000	Ha 3	200250	ньз	190250 = 4750	Ha 3	190250 = 4750	H b 3	180250 = 4.500
1	Ha 4	100250 = 2500	Hb4	100250 = 2500	Ha4	100250 = 2,500	Hb4	90250 = 2250	Ha 4	99250 = 2250	H b 4	80250 = 2000
	Ha 5	119	H b 5	20153.5	Ha 5	20153.5 = 307	H b 5	200	Ha 5	200	ньѕ	93
L	Bal	702	<b>B</b> b 1	677	Bal	677	B b 1	648	Bal	648	8 b 1	619
I	Ba 2	1 7 9 8	B b 2	1 8 2 3	Ba 2	1 8 2 3	B b 2	i 852	Ba 2	1 8 5 2	8 b 2	1 8 8 1
N	Ba 3	452	вьз	427	Ba 3	427	B b 3	398	8 a 3	. 3 9 8	B b 3	3 6 9
E	Ba4	20331.5 = 663	B b 4	20319 = 638	8 a 4	20319 = 638	B b 4	20304.5	B a 4	20304.5 = 609	B b 4	20268 = 536
"	Ba 5	167	B b 5	192	8 a 5	192	B b 5	221	B a 5	20110.5 = 221	BbS	20147 = 294
	Bað	50300 = 1 500	B b 6	50300 = 1500	Bać	50300 = 1 500	8 b 6	50300 = 2100	B a 6	50300 = 1 500	B b 6	50300 = 1 500
	B a 7	570	B b 7	545	Ba7	545	8 b 7	516	Ba7	516	B b 7	443
	Ba 8	20130 = 260	868	20142.5 = 285	Ba 8	20142.5 = 285	B 6 8	20157 = 314	Ba 8	20157 = 314	в в 8	20193.5 = 387
· ·	<b>`</b>		-6)				- 5>			(T	$\overline{\mathbf{D}}$	
		a - a		b - b		a – a		b - b		a – a		b - b
	Hal	7 0 8 9	НЪз	6 7 7 7	Hal	6 7 7 7	H b 1	6420	Haì	6420	Н Ъ 1	6 0 6 3
	H a 2	5 6 8 9	H b 2	5 377	Ha 2	5 3 7 7	H b 2	5 0 2 0	H a 2	5020	H b 2	4 6 6 3
B	11 a 3	220250 = 5500	нь з	210250 = 5250	НаЗ	219250 = 5250	ньз	200250	Ha 3	198250 = 4750	ii b 3	$   \begin{array}{r}     1 & 2 & 2 & 5 & 0 \\                                  $
	Ha4	100250 = 2500	Hb 4	98250 = 2250	Ha 4	90250	H b 4	90250 = 2250	ila 4	70250 = 1750	КЪ4	60250 = 1500
	Ha 5	139	Hb 5	127	Ha 5	127	H b 5	20	Ha 5	20135 = 270	НЪ5	163
	Bal	707	861	682	Bal	682	861	653	8 a 1	653	B b 1	625
	8 a 2	1 7 9 3	В Ь 2	1 8 1 8	Ba 2	1 8 1 8	В Ь 2	1 8 4 7	Ba 2	1 847	B b 2	1 875
N	B a 3	4 5 7	B ৳ 3	432	8 a 3	432	B b 3	403	Ba 3	403	B b 3	375
E	B a 4	20334 = 668	въ4	20321.5 = 643	Ba4	20321.5 = 643	В 6 4	20307 = 614	Ba4	20307 = 614	B b 4	20293 = 586
	Bas	162	865	187	Ba\$	187	₿b5	216	B & 5	20108 = 215	вь5	20122 = 244
	Baó	50300 = 1 500	866	58300 = 1500	B a 6	50300 = 1 500	8 b 6	50300 = 1 500	B a 6	50300 = 1 500	866	50300 = 1500
	8 a 7	575	B 6 7	550	Ba7	550	867	521	8 # 7	521	867	493
	Ba 8	20127.5	B b 8	20140 = 280	8 8 8	20140 = 280	B b 8	20154.5 = 309	B a 8	20154.5 = 309	868	20153.5 = 307

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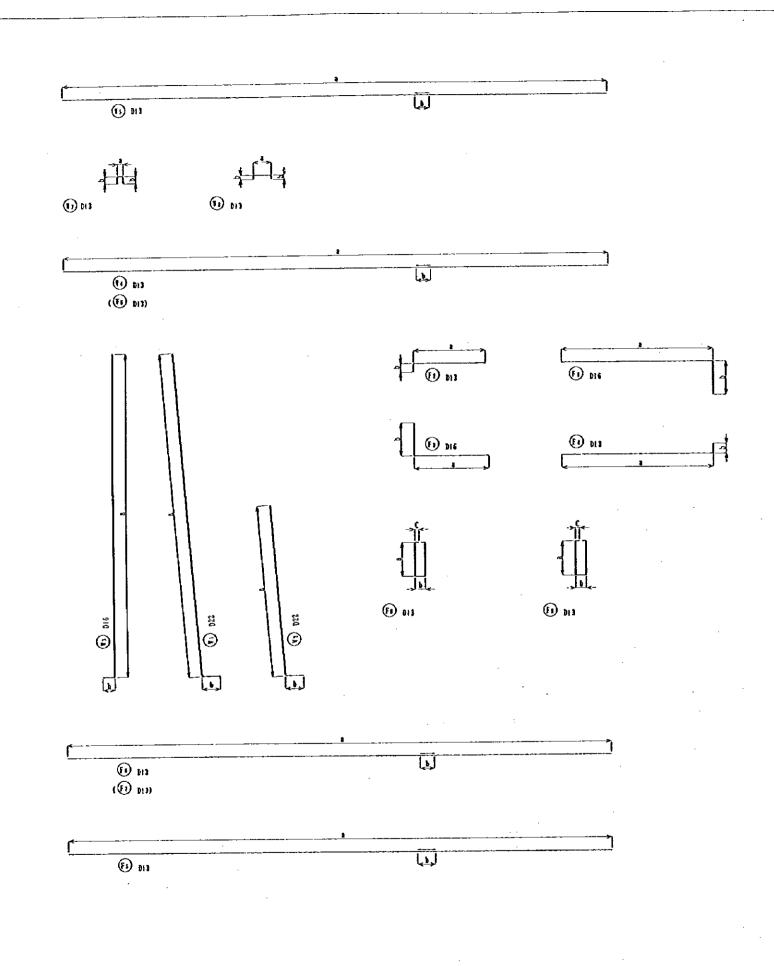
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	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINISTRY OF COMM
	(JICA)	PROIECT :	D/D ON ROAD DEVE
	IICA STUDY TEAN	TITLE	R/A-8, AL KHABUR
	PACIFIC CONSULTANTS INTERNATIONAL FURUYANA CONSULTANTS INTERNATIONAL	DATE	

NOTES:

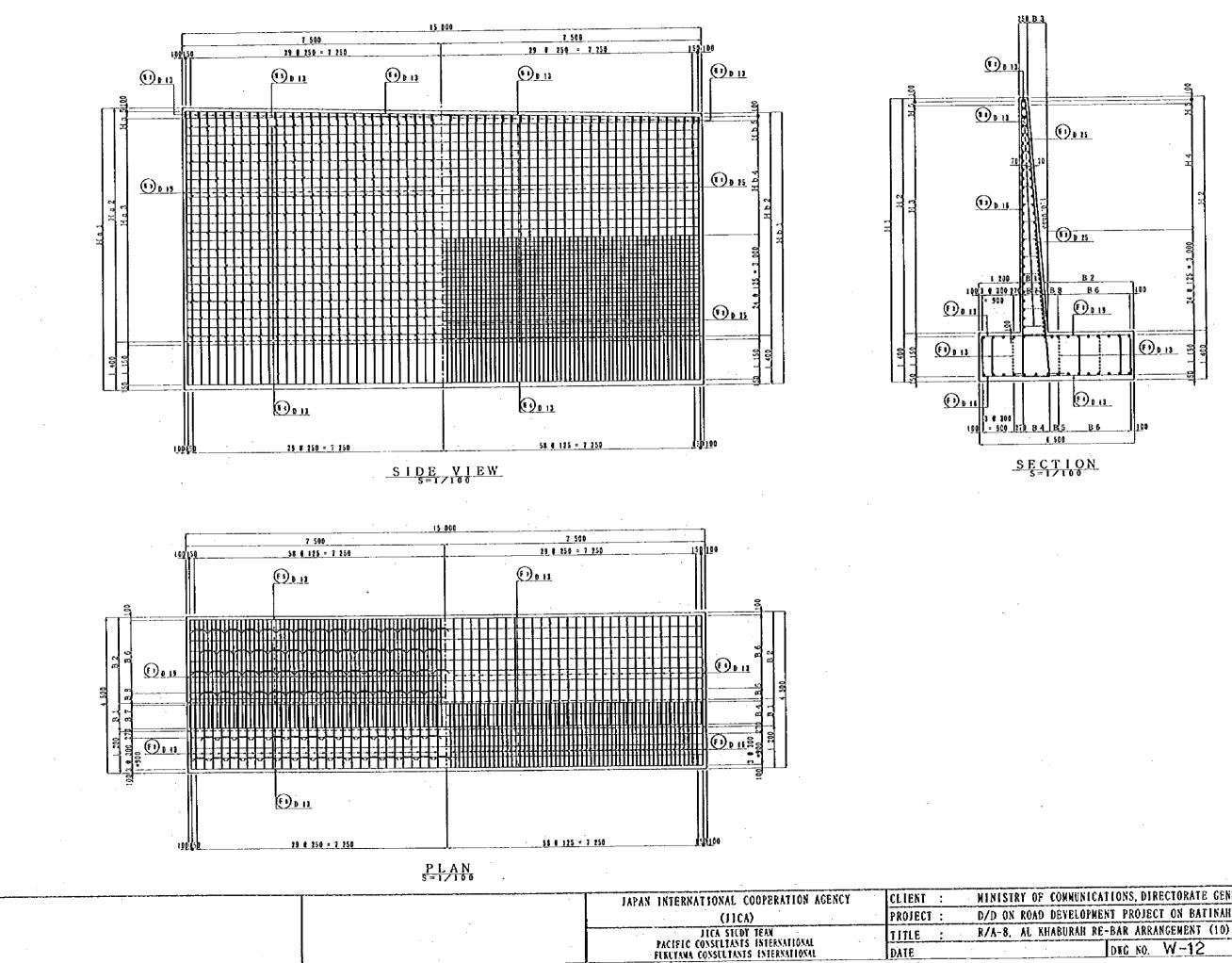


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				·
D 22	\$ 060	6 198~\$ 350		· _ ·
	3 390	3 655		
D 15	5 970	6 104~5 343		
3	15 190	14 800	350	
•	6 360	1 791~3 510		
•	15 200	14 606	390	
,	500	110	195	
3	579	\$21~166	111	·
D 16	3 430	1 331	1 150	
D 12	1 650	1 464	135	
D 16	2 530	1 380	1 150	
		2 3 30	195	
	· · · ·		489	
		1		111
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	2 360		610	
n 22	6 630	6 476~6 198	330	
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1				<u> </u>
l				
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· ·				·
	590			
D 16	3 430	2 280	1 159	
P 13	1 690	1 493	195	
D 16	2 530	1 380	1 150	
D 13	2 530	1 330	195	<u> </u>
D 16	15 280	14 800	480	
P 13	15 190	14 890	390	
1	15 190	14 800	390	
	2 660	1 171	275	111
	2 850	1 171	275	111
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		· · · · · · · · · · · · · · · · · · ·		
D 22	6 970	6 789~6 476	330	I
	3 590	3 455	330	
D 16	6 850	6 763~6 451	240	1
0 13	15 190	16 800	390	
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,	15 200	£4 805	390	1
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D 13	LS 190	14 800		+
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			218	1 11
	1 860	1 178	218	111
	<ul> <li>D 22</li> <li>a</li> <li>b 16</li> <li>c</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>b</li> <li>a</li> <li>b</li> <li>a</li> <li>a</li> <li>b</li> <li>a</li> <li>a</li> <li>b</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>b</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>a</li> <li>b</li> <li>a</li> <li>b</li> <li>a</li> <li>a</li></ul>	Q         (EB)           0         22         6         060           a         3         930           D         15         5         970           a         15         130         4         6         360           a         15         130         4         6         360           a         15         130         4         6         360           a         5200         a         5200         a         5200           a         5200         a         5200         a         5200           b         15         130         1         650         D         13         1         650           D         16         2         530         D         15         150           a         2         560         a         2         860           a         3         950         D         16         5         280           b         15         150         a         5         500         a         5         500           a         15         150         a         15         150         a         15 <td>0 (E)         (E)         <math>2</math>           0 22         4 050         5 198 - 5 350           <math>3</math> 390         3 655           D 16         5 920         6 104 - 5 343           <math>a</math>         15 190         14 800           <math>a</math>         5 200         1 18 50           <math>a</math>         5 200         14 800           <math>a</math>         5 200         1 480           <math>a</math>         5 200         1 480           <math>a</math>         1 5 30         1 380           <math>D</math>         16         2 530         1 380           <math>D</math>         13         15 150         1 4 800           <math>a</math>         2 850         1 173           <math>a</math>         2 850         1 4 800</td> <td>0 (E)         (E)         <math>2</math>           0 22         6 060         6 198~5 350         339           a         3 990         3 655         338           D 16         5 970         6 100~5 343         248           a         15 130         14 800         255           a         6 260         1 754~3 910</td>	0 (E)         (E) $2$ 0 22         4 050         5 198 - 5 350 $3$ 390         3 655           D 16         5 920         6 104 - 5 343 $a$ 15 190         14 800 $a$ 5 200         1 18 50 $a$ 5 200         14 800 $a$ 5 200         1 480 $a$ 5 200         1 480 $a$ 1 5 30         1 380 $D$ 16         2 530         1 380 $D$ 13         15 150         1 4 800 $a$ 2 850         1 173 $a$ 2 850         1 4 800	0 (E)         (E) $2$ 0 22         6 060         6 198~5 350         339           a         3 990         3 655         338           D 16         5 970         6 100~5 343         248           a         15 130         14 800         255           a         6 260         1 754~3 910

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		JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINISTRY
NOTES:	-	(11CA)	PROJECT :	D/D ON RO
		SICA STUDY TEAN	TITLE :	R/A-8, Al
		PACIFIC CONSULTANTS INTERNATIONAL FURUYANA CONSULTANTS INTERNATIONAL	DATE	

NO	¢ (11)	185618	4		£ .
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T 1	0 21	6 345	\$ 190~\$ \$30	330	
2		3 390	3 655	130	
3	D 16	6 240	6 170~5 113	240	
	D 13	15 190	14 800	190	
		1 790	11 133~5 597	390	
5		15 200	14 804	330	
		500	110	135	
1			513~171	111	
		\$80	2 285	1 150	
F 1	<u>d 16</u>	3 (10	<b>}</b> }	135	
	D 13	1 650	1 453	1 150	
3	D 16	1 530	1 380		
4	D 13	2 530	2 330	195	
\$	D 16	15 280	14 500	484	
	DII	15 190	14 800	390	
1		15 190	14 300	390	
ŀ	•	2 860	1111	271	101
\$	•	2 860	1 171	278	111
T S					
11	D 22	€ 700	\$ 548~\$ 150	330	
1	-,	3 998	3 655	338	
3	D 18	6 590	6 521~6 179	240	
1	D 13	15 190	14 800	390	
5	<b>,</b>	\$ 170	\$ 265		
	,	15 200	14 806	390	
1		500	110	195	
		5 90	552~160	111	
FI	D 16	3 430	2 275	1 150	
1	D 13	1 700	1 498	195	· · · · · ·
	D 15	2 530	1 380	1 150	1
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		15 190	14 800 -	390	
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16			1 4 441 4 714	330	1
<u>F 1</u>	D 22	7 040	6 861~6 545		
1		3 990	3 455	330	
1	9 16	6 330	6 839~6 527	240	+
4	D 13	15 150	14 800	390	
5	1	6 600	£ 554		
6		15 200	14 805	190	- <u></u> -
7	ļ	500	118	195	
8		610	611~209		<u>⊢</u>
F I	D 16	1 100	1 148	1 150	<u>├</u>
2	D 13	1 720	1 525	195	
1	0.16	2 530	1 358	1 150	↓·
4	D 13	2 530	2 330	195	
5	D 11	15 280	14 800	480	<u>                                     </u>
5	0 13	15 190	14 800	390	. <u> </u>
1		15 190	14 800	190	<u> </u>
ł	,	2 860	1 178	278	<u> </u>
5	<b>-</b> ,	2 850	1 17\$	278	111
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#### RY OF CONNUNICATIONS, DIRECTORATE GENERAL OF ROADS ROAD DEVELOPMENT PROJECT ON BATINAH HICHWAY AL KHABURAH RE-BAR ARRANGEMENT (9) DWG NO. W = 11



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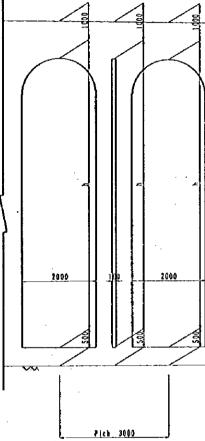
NOTES:

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MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY DEG NO. W-12

		1-	9			Ţ	8			Ţ	$\overline{)}$	
		a ~ a		b - b		a – a		b - b		a – a		b – b
	11 a 1	7 8 6 5	ньі	7 5 9 8	Hal	7 5 9 8	НЪ 1	7 3 3 1	Hal	7 3 3 1	ньі	7019
	H a 2	6465	H b 2	6 1 9 8	H a 2	6 1 9 8	H b 2	5 9 3 1	lt a 2	5 9 3 1	H b 2	5 6 1 9
Α	H a J	250250 = 6 250	нь з	240250 = 6000	H a 3	240250 = 6000	H 6 3	230250 = 5750	Ha 3	230250 = 5750	нь з	220250
	Ha4	130250 = 3 250	H b 4	120250 = 3000	Ha4	120250 = 3000	H b 4	110250 = 2750	H a 4	110250 = 2750	H b 4	100250 = 2.500
	Ha 5	215	H b 5	198	Ha 5	198	НЪ5	181	lta 5	181	ньз	Ì 1 9
	8 a 1	789	8 6 1	765	Bal	766	861	744	Bal	744	B b 1	718
I	Ba2	2 5 1 1	B b 2	2 5 3 4	Ba 2	2 5 3 4	B b 2	2 5 5 6	8 a 2	2 5 5 6	B b 2	2 5 8 2
N	Ba3	539	B b 3	516	Ba3	516	B b 3	494	8 a 3	494	B b 3	468
E	Ba4	20376.5 = 753	B b 4	28365 = 730	Ba4	20365 = 730	B b 4	20354 = 708	8 8 4	20354	B b 4	20341 = 682
	Ba5	20138.5 = 277	8 6 5	20150 = 300	Ba5	20150 = 300_	855	28161 = 322	8 <b>a</b> 5	20161 = 322	B b 5	20174 = 348
	B a 6	70300 = 2100	866	70300 = 2100	Ba6	70300 = 2100	B b 6	70300 = 2100	8 8 6	70300 = 2100	866	70300 = 2100
	B a 7	657	867	634	817	634	867	612	B a 7	612	8 b 7	586
	8 8 8	20186.5 = 373	в Ь 8	20198 = 396	Bað	20198 = 396	868	20209 = 418	B a 8	20209 = 418	868	20222 = 444
		T	9	-		(1	-8)				$\overline{)}$	
		a – a		6 - b		<u>a</u> – a		b - b		a - a		b - b
	Hal	7 9 3 5	11 6 1	7 6 6 8	Hal	7 6 6 8	НЪ1	7 4 0 1	Ha 1	7 4 0 1	нъі	7 0 8 9
	Ha 2	6 5 3 5	HD 2	6 2 6 8	Ha2	6 2 6 8 .	<u>НЪ2</u>	6 0 0 1	H a 2	6 0 0 1	H b 2	5689
B	Ha 3	250250 = 6250	НЬЗ	250250 = 6250	Il a 3	249250 = 6000	ньз	230250 = 5750	11 a 3	230250 = 5750	ньз	220250 = 5500
	Ha4	130250 = 3250	H b 4	130250 = 3250	Ĥa 4	120250 = 3000	H b 4	110250 = 2750	Ha4	1)0250 = 2750	H b 4	10@250 = 2500
11	H a 5	20142.5	нь 5	18	H a 5	20134 = 268	H b 5	251	H a 5	251	НЪ 5	189
	8 a 1	794	B b 1	172	B a 1	172	861	750	8 a 1	750	B b 1	723
	Ba2	2 5 0 6	ВЪ2	2 5 2 8	B a 2	2 5 2 8	B b 2	2 5 5 0	Ba2	2 5 5 0	Bb2	2 5 7 7
N	Ba3	544	863	522	Ba3	5 2 2	863	500	Baj	500	863	473
E	Ba4	20379 = 758	854	20368 	Ba4	20368 = 736	864	20357 = 714	Ba4	28357 = 734	864	20343.5 = 687
	8 a 5	20136 = 272	B b 5	20147 = 294	Bas	20147 = 294	8 6 5	20158 = 316	B a 5	20158 = 316	865	28171.5 = 343
ĺ	Ba6	70300 = 2100	B b 6	70300 = 2100	8 a 6	70300 = 2 100	866	70300 = 2100	B a 6	70300 = 2100	B & 6	78300 = 2 100
	Ba7	662	B b 7	640	8 a 7	640	867	618	Ba7	618	B & 7	591
	B a 8	20184 = 368	8 b 8	20195 = 390	B a 8	26195 = 390	в в 8	29206 = 412	B 8 8	20206 = 412	B b 8	20220 = 439

and the second second



Slit Shape in Front of Wall (Thickness t=30 mm)

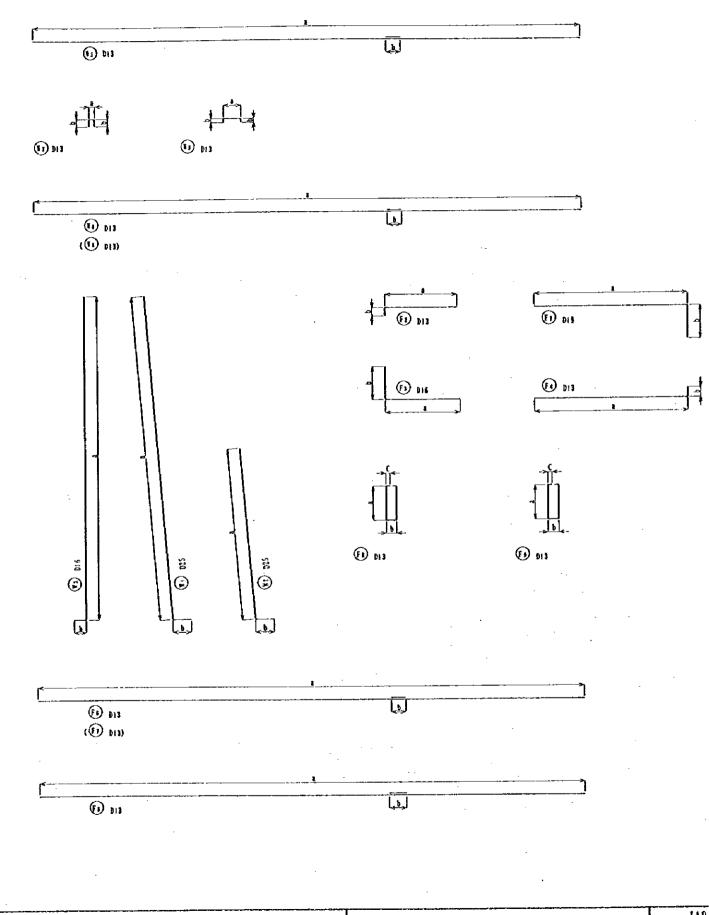
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JAPAN INTERNATIONAL COOPERATION AGENCY CLIENT : MINIST (JICA) JICA STUDY TEAN PACIFIC CONSULTANTS INTERNATIONAL FULUTANA CONSULTANTS INTERNATIONAL D/D ON PROJECT : R/A-8, TITLE DATE ,

NOTES:

		-		
RY OF COMMUNI	CATIONS, DIREC	TORATE CENE	RAL OF ROADS	
ROAD DEVELOP	RE-BAR ARRANG		HIGHWAY	
AL ANADURAA	DTG NO. V	1 4 -1		

-



Profession Street

JEIN 30	¢ (n)	LENGTH (ss)	2	þ	,
17					
11	D 25	7 130	1 106~ 5 752	375	
1		4 540	4 164	375	
3	D 16	7 170	7 855~\$ 769	240	
	0 11	15 190	14 600	399	
5		8 590	1 586		
1		15 200	14 105	390	
		500	110	195	
			\$26~168	111	
		620	3 181	1 150	
F 1	D 19	6 260		195	
1	B 11	1 950	1 161		
3	D 11	1 730	1 580	1 150	
1	D 13	3 330	3 130	135	
S	•	15 190	14 800	390	<u> </u>
6		15 190	14 800	390	
1		15 190	14 800	390	
1		1 860	1 11\$	278	I kI
3		2 869	1 (11	275	111
11					
11	D 25	7 620	7373~7 165	375	I —
2		4 540	4 164	175	
· · · · · · · · · · · · · · · · · · ·	D 16	7 460	7 348~7 681	240	
	513	15 190	14 800	390	
- *		11 370	18 975	399	
5		15 200	14 806	390	
				135	<u> </u>
7		500	110		· · · · ·
		650	648~190	111	
1 1	0 16	4 230	3 471	1 159	
2	D   1	1 980	3 785	195	
3	D 16	2 730	1 580	1 150	
4	D 13	3 330	3 130	195	
ş		15 195	14 800	390	
í	,	15 190	14 800	350	
1	,	15 190	14 800	390	<u> </u>
1		2 860	1 171	278	11)
9		2 860	1 155	279	111
	L•	L	<b></b>		
Tİ					
1 1	D 25	7 890	7 641~7 373	\$15	
1	,	4 510	4 164	375	·
	D 16	1 230	7 615~7 348	240	
		15 190	14 800	390	
	D 13			190	t
		11 119	11 112	390	
<u> </u>	<u> </u>	15 200	14 802		
1		500	110	135	<u>↓</u>
1		650	671~171	111	
11	D 16	4 714	1 655	1 150	
2	D 13	1 010	1 008	195	I
3	D 16	2 739	1 580	1 150	<u> </u>
4	D 13	3 330	3 130	135	
5		15 199	14 800	330	<u> </u>
6		15 190	14 800	390	
- 7		15 190	14 800	390	- 1
		2 160	1 178	274	111
		1	1		· { · · · · · · · · · · · · · · · · · ·
- 1		2 860	1 1 178	- 271	111

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	an a	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	MINISTR
NOTES:			PROJECT :	D/D ON
	-	JICA SILDY TEAN	TITLE :	R/A-8,
		PACIFIC CONSULTANTS INTERNATIONAL FURUYANA CONSULTANTS INTERNATIONAL	DATE	

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REIN NO. T 7

D 25 P 25 P 16 D 13 P 13 P 25 P 15 D 13 P 15 D 13 P 15 P 15	E S G T H           (ez)           7           430           5           5           7           7           8           7           7           8           7           7           8           9           12           300           500           633           4           200           633           4           5           15           15           15           15           15           15           15           15           15 <th>2         7       176~6       853         4       864         7       151~6       839         14       800       8195         14       806       114         632~174       3       955         1       761       4         4       805       1         1       761       4         4       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       154       14         14       174       154         14       800       14         10       14       154         110       654~156       16         1580       158       158    </th> <th>b 175 175 240 390 390 390 195 111 1 150 195 290 390 390 278 375 240 390  390 195 111 1 150 195</th> <th></th>	2         7       176~6       853         4       864         7       151~6       839         14       800       8195         14       806       114         632~174       3       955         1       761       4         4       805       1         1       761       4         4       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       800       14         14       154       14         14       174       154         14       800       14         10       14       154         110       654~156       16         1580       158       158	b 175 175 240 390 390 390 195 111 1 150 195 290 390 390 278 375 240 390  390 195 111 1 150 195	
•     •       • <th>6     540       7     240       15     190       12     300       15     200       632     4       4     250       1     370       2     730       3     330       15     150       15     150       15     150       2     860       2     860       2     860       2     830       15     190       2     830       15     190       2     830       15     190       2     632       4     513       15     190       2     639       4     513       15     190       2     530       15     190       3     500       650     650       4     230       1     990</th> <th>4 164 7 151~6 839 14 800 11 206 14 806 110 632~174 3 055 1 767 4 550 3 130 14 800 14 800 14 800 14 800 14 800 14 800 14 800 7 415~7 151 14 800 7 428 110 654~1355 3 0 110 654~1355 3 0 11 1 751 1 751</th> <th>375           240           390           390           390           390           390           390           390           390           390           390           390           395           111           150           395           390           390           278           375           240           390           195           111           150</th> <th></th>	6     540       7     240       15     190       12     300       15     200       632     4       4     250       1     370       2     730       3     330       15     150       15     150       15     150       2     860       2     860       2     860       2     830       15     190       2     830       15     190       2     830       15     190       2     632       4     513       15     190       2     639       4     513       15     190       2     530       15     190       3     500       650     650       4     230       1     990	4 164 7 151~6 839 14 800 11 206 14 806 110 632~174 3 055 1 767 4 550 3 130 14 800 14 800 14 800 14 800 14 800 14 800 14 800 7 415~7 151 14 800 7 428 110 654~1355 3 0 110 654~1355 3 0 11 1 751 1 751	375           240           390           390           390           390           390           390           390           390           390           390           390           395           111           150           395           390           390           278           375           240           390           195           111           150	
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D 25	2 850	1 178	278	
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D 16 D 13				
D 16 D 13	7 960	1 112~7 444	375	
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D 13	7 809	7 635~7 418	249	
	15 190	14 800	390	
	7 900	T 899		—
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	650	\$75~176	111	
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	15 190 2 861	1 178	718	
	15 190 2 861	1 178	718	

#### STRY OF CONNUNICATIONS, DIRECTORATE GENERAL OF ROADS ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY 8. AL KHABURAH RE-BAR ARRANGEMENT (12)

DIG NO. W-14

A - L I N E

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No.

<u>A – )</u>					- · · · · · · · · · · · · · · · · · · ·		<b>1</b>
REAN NO.	¢ (11)	1 E X G I E (8 2)	NONINAL Reight	M333	E 861681	TEIGHT	1 EMARKS
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TI	D 23	8 220	5. OSS	- 61	41, 585	1536.7	
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	013	15 150	9. 994	- 11	15. 953	996. 5	
5		13 265		1	13. 120	52.7	
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3	D 15	3 124	2. 235	119	F. 373	413.4	
4	0 16	3 578	1. \$52	- 11	5. 541	333. 🕈	·
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6	D 13	15 130	0. 994	6	15. 059	90. F	
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8		2 660		51	2. 143	164.5	Ü
\$		2 110		116	2. 853	330. 9	U U
			•			10441.4	
				B 29		4 035.1	
				D 22	· · ·	1 \$14.5	
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				D 15		558.9	
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· · · · ·			TOTAL	183331		10 441.4	
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#### <u>B – L I N E</u>

<u>v</u>							
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t 19							
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ş		\$ 370	•	1	8. 320	15. S	
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3	D 15	3 128	1. 235	115	6. 973	829.8	<u> </u>
4	D 16	3 578	1. 552	- 61	5, 541	338. D	
5		15 280	•	<u> 1</u>	23, 215	260. 3	
6	D 13	ES 190	0. 354	6	F2. 039	90, 6	
1		15 190	•	18	F2, 899	111.4	
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NOTES: IAPAN INTERNATIONAL COOPERATION AGENCY (JICA) IICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FURUMANA CONSULTANTS INTERNATIONAL DATE CLIENT : MINISTR PROJECT : D/D ON TITLE : R/A-8, DATE

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2000 - 1990 1990 - 1990 1990 - 1990		•
I ROAD DEVELOPHEN	IONS, DIRECTORATE G 1 PROJECT ON BATIN	AH HIGHWAY
AL KHABURAH RE-	BAR ARRANGEMENT (1	3)
	dig no. W-15	

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JECA STI PACIFIC CONSULTA FUKUYANA CONSULTA	DY TEAN VIS INTERNATIONAL	TITLE : DATE	R/A-8, AL KHABURAH RE-BA D	r arrangenent (14) ng no. W-16	
JAPAN INTERNATIONAL (JI		CLIENT : PROJECT :	NINISTRY OF COMMUNICATIO D/D ON ROAD DEVELOPMENT		
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61 19.286 1.126.4 <u>1</u> SX 12.138 704.9 L								
61 9.684 590.7 J 44 15.655 664.4								
4 1. 246 35. 0								
2 15.103 30.2 61 9.497 30.3 B								
284 0.577 161.6								
\$1 1. \$70 L01. 9 r-								
118 3.927 467.3 L 61 2.515 153.4								
8 23.715 183.7 5 15.899 75.5								
14 15.099 313.4								
25         1. 543         52. 4         U           11         2. 645         247. 3         U								
5 556.8								
······································							-	
61 20.381 1 243.2 L 51 12.138 704.0 L								
61 10.222 623.9 ] 45 25.039 7239.9								
8 5.238 20.5								ľ
2 15.109 30.2 51 0.497 30.3 6	•							
310 0.517 182.0 ··· 113 5.323 633.4 ···								
61 B. 699 B03. 7 F						-		
113         3. 527         467. 1         L           61         2. 515         153. 4								
8         23. 715         189. 7            5         15. 099         75. 5								
16 15.099								
23         2.843         32.6         D           37         1.843         247.3         D	-							
\$ 127.5	-							
61 21.416 1 305.4	-							
58 12.138 701.0 L								
61 18.755 656.1 J 58 15.095 755.0								
2 6.569 13.1 2 15.109 30.2								
66 B. 497 30.3 #			•					
325         0.636         206.7         m           119         5.127         628.0         mm	•							
61 1. 730 1.64. 3 m 119 3. 927 467. 3 L								
<u>61</u> 2.515 153.4								
6         23.715         189.7            5         15.039         75.5								
14 15.655 211.4 23 2.143 82.4 CD								
17 2. 643 247. 3 (J 5 861 1	-							
· · ·								
D 22 \$ 838.0 D 16 \$ 738.6	- -							
0 13 5 565.0	•							
107AL TEIGBT 17 145.4	-				-			
JAPAN INTERNATIONAL COOP	ERATION AGENCY	CLIENT :		COMMUNICATION				
(A311)		PROJECT :		DEVELOPMENT P			CHWAY	
DICA SICDY TEA PACIFIC CONSULTANTS INT	N IERNATTONAL TERNATTONAL	TITLE :	Ř/A-8, AL KI	HABURAH RE-BAR		<u>NT (15)</u> -17		
		DATE			'g no. W-	- 1 <i>i</i>		

NOTES :

	LIN	E					
LIN	¢ (22)	TENETE	SOTISAL	MIG	C BEIGBT	TEIGET	BENALKS
<u>50</u>	V (447)	<u>(# 11)</u>	<u>VEIGBT I</u>				
11	D 25	7 310	3. 973	11	29. 122	1 716.4	- (
- 1	,	4 540	۲	58	18. 037	L 046. L	1
3	D 16	7 174	1, 552	- (1	11.111	678.4	
4	6 I Q	15 190	4. 994	55	15. 099	845. 5	
5	•	8 590	•	- 1	8. 538	17.1	••
6		15 200	,	2	15, 109	30.2	
1		\$00	<b>!</b>	- 61	0. 437	30.3	
l		\$20	· · · · ·	339	0.616	241.8	
13	D 19	4 260	1. 235	119	3. 521	1133.0	
- 1	D 13	1 960	9.994	61 115	1, 931	118.8 504.2	
	D 16 D 13	2 730	1. 552 D. 994	51	3. 310	201.9	•
<u>4</u> 5		15 290	•	10	15.039	151.0	
6		15 190		5	15. 039	75.5	
7	- ,	15 190	•	15	IS. 039	241. i	
- 1	•	2 868	,	51	2. 154	165. 5	Û
	•	2 860		135	2. 854	331.1	Û
						7 555, 8	_
<b>-</b>							
11							
11	D 25	1 620	3, 973	- 0	30. 174	1 146.7	
1	*	4 540	1 559	51 61	18, 037 11, 571	1 046.1 706.3	
1	D 16 D 13	7 460	1. 552 9. 394	51	15. D93	\$75.7	
4		11 379	*. 334		11. 302	12.6	
6		15 200		1	15.109	30. 2	
	, 1	500	1		9. 497	30. 3	
8	,	\$50	*	339	9. 545	213. 0	
F 1	D 19	4 230	7. 235	111	3, 454	1125.0	
1	D 13	1 580	0. 994	61	1. 968	120. 0	-
1	D 16	2 734	8, 552	113	6. 231	504.2	
	<u> </u>	3 330	<b>9</b> , 534	<u> </u>	3, 3(0	201.9	••
	-	15 190	· •	10	15.099	151.D	
	· ·	15 190	·····	16	15.099		
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9		2 860		11	2. 854	331.1	
	L			1		7 692.7	, ,
			•••				
7 9							
11	D 25	7 890	3, 973		\$1, \$47	1 312.2	<u> </u>
1		4 \$40		58	18. 037	1 046. 1	<u> </u>
3	D 16	7 730	1. 552	<u>§1</u>	11. 997	131.8	<u> </u>
	0 13	15 190	0.994	60	15. 095	906.4	
		12 310		2	12, 236	24.5 30.1	
		15 200 500		1	15, 195	<u>30. 1</u> 30. 3	
	1	346	ļ	363		f	
		650			0.14	( 18. S	
8	2 D 19	650 4 210	1. 552	113	0. 646 9. 403	238.4	
	-[	650 4 210 2 010		1	· · ·		
8 F 1	D 19	4 210	1. 552	113	9, 409	1153.7	
8 F 1 2	D 19 D 13	4 230 2 010	1. 552 0. 994	113 61	9, 489 1, 558	1119.7	
8 F 1 2 3	D 19 D 13 D 16	4 210 2 010 2 730 3 330 15 190	1. 552 0. 994 1. 552 9. 594	113 61 119 61 61	9. 489 1. 558 4. 237 3. 310 15. 059	1159.7 121.9 504.2 201.9 151.0	
8 F 1 2 1 4	D 19 D 13 D 16 D 13	4 210 2 010 2 730 3 330 15 190 15 190	1. 552 0. 994 1. 552 9. 594 #	113 61 119 61 10 5	9. 403 1. 558 4. 237 3. 310 15. 059 15. 039	1139.7 <u>1139.7</u> 504.2 201.9 151.0 75.5	
8 F 1 2 3 4 5 6 7	D 19 D 13 D 16 D 13 	4 210 2 010 2 730 3 330 15 190 15 190 15 190	1.552 0.994 1.552 0.594 	113 61 119 61 10 5 15	9. 483 1. 558 4. 237 3. 310 15. 659 15. 659 45. 659	1159.7 121.9 504.2 201.9 151.0 75.5 243.6	
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8 F 1 2 3 4 5 6 7	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 190 15 190 15 190	1.552 0.994 1.552 0.594 	113 61 119 61 10 5 15	9. 483 1. 558 4. 237 3. 310 15. 659 15. 659 45. 659	1159.7 121.9 504.2 201.9 151.0 75.5 241.6 145.5 321.4	
8 F 1 2 3 4 5 6 7 7 8	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 130 15 130 15 130 2 860	1.552 0.994 1.552 9.594 * *	113 61 119 61 10 5 10 5 15 58	9. 403 1. 558 4. 237 3. 310 15. 059 15. 059 15. 059 2. 854	1159.7 121.3 504.2 201.9 151.0 75.5 245.6 165.5	
8 F 1 2 3 4 5 6 7 7 8	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 130 15 130 15 130 2 860	1.552 0.994 1.552 9.594 * *	113 61 119 61 10 5 10 5 15 58	9. 403 1. 558 4. 237 3. 310 15. 059 15. 059 15. 059 15. 059 2. 854 2. 854	1159.7 121.9 504.2 201.9 151.0 75.5 245.6 165.5 331.1 7 831.9	
8 F 1 2 3 4 5 6 7 7 8	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 130 15 130 15 130 2 860	1.552 0.994 1.552 9.594 * *	113 61 119 61 10 5 10 5 15 58	9. 403 1. 558 4. 237 3. 310 15. 059 15. 059 45. 059 2. 854 2. 854 2. 854 0. 25	1159.7 121.9 504.2 201.9 151.0 75.5 245.6 165.5 331.1 7 831.9	
8 F 1 2 3 4 5 6 7 7 8	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 130 15 130 15 130 2 860	1.552 0.994 1.552 9.594 * *	113 61 119 61 10 5 10 5 15 58	9. 403 1. 558 4. 237 3. 310 15. 059 15. 059 45. 059 2. 854 2. 854 5. 059 2. 854 3. 854 5. 059 1. 5. 059 1.	1159.7 121.9 504.2 201.9 151.0 75.5 245.6 165.5 331.1 7 831.9	
8 F 1 2 3 4 5 6 7 7 8	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 130 15 130 15 130 2 860	1.552 0.994 1.552 9.594 * *	113 61 119 61 10 5 10 5 15 58	9. 403 1. 558 4. 237 3. 310 15. 059 15. 059 45. 059 2. 854 2. 854 2. 854 0. 25	1159.7 121.9 504.2 201.9 151.0 75.5 245.6 165.5 231.1 7 831.9 4 673.6 3 977.7	
8 F 1 2 3 4 5 6 7 7 8	D 19 D 13 D 16 D 13 D 16 D 13 o c	4 210 2 010 2 730 3 330 15 130 15 130 15 130 2 860	1.552 0.994 1.552 9.594 * *	113 61 119 61 10 5 15 58 116	9. 403 1. 558 4. 237 3. 310 15. 059 15. 059 15. 059 2. 854 2. 854 D 25 D 18 D 18	1159.7 121.9 504.2 201.9 151.0 75.5 245.6 165.5 231.1 7 031.9 4 673.0 3 577.7 3 679.5	

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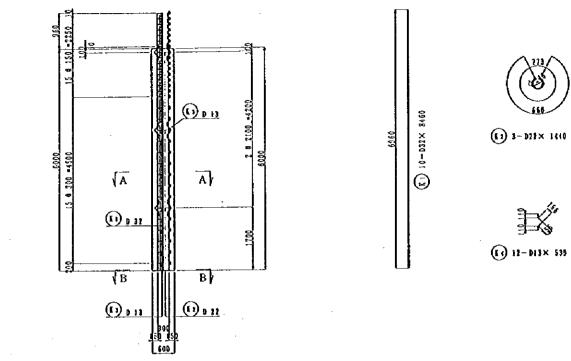
₿ — I		N E					
RE 13 30	¢ (11)	LEXGTR (EB)	NOXINAL Teleri	SEVB	E VEIGRE	TEIGET	RENALLS
11							
11	D 25	. 7 400	3, 373	61	29, 400	1 193.4	<u>    l     </u>
		4 540		58	11.037	1 86.1 885.4	
1	D 18	7 240	1, 552 D, 994	<u>61</u> 56	11, 236	163. 1 145. 5	
4	D 13	15 190	U. 314	1	12. 226	24.5	
		15 200		1	15, 109	30.2	
		502			0. 497	30. 3	1
1		\$30	•	333	0. 526	217.2	5
FΙ	0 15	4 250	2, 235	115	<u>9. 489</u>	1130.4	
2	D 13	1 970	0. 394	61	1. 951	119.4	L
3	D 16	2 730	3, 551	113	4, 231	504. 2	L
4	D 13	3 330	0. 534	<b>\$</b> 1	3. 31	201.5	
5		15 190		10	E5. 099	1\$1.0	
	•	15 150	-	5	15. 099	75.5	
1	•	15 190	•	16	15.099	241.6	
8	*	2 850	•	51	2. 854	165.5	0
3		2 860	•	ІК	2, 854	331.1 7 588.2	
· <b>-</b>						1 ¥09. 1	
18							
5 1	D 25	7 590	3. 973	i i	10.552	1 863.7	1
1		4 540	•	58	18. 037	1 046.1	1
3	D 16	7 539	1. 551	11	11. 6\$7	712.9	J
4	D 13	15 190	0. 954	58	15.495	\$75.7	
5	•	7 430	•	1	7, 385	16.4	
<u>í</u>	•	35 200	• • • •	2	15.189	30.1	
1	•	500		61	9, 497	30.3	•
8		650		333	4.646	119.4	
1 1	D 15	4 230	1.135		<u>9,454</u> 1,978	<u>1 125.0</u> 120.7	
1	D 13	1 990	0, 934	61 119	4. 237	584. 2	
1	D 16 D 13	3 330	0. 934	113	3. 319	201. 9	
5	,	15 190		10	15.093	1\$1.0	
1		15 190		5	15. 099	75.5	
1		15 190		16	15. 099	245.6	
1		2 860	•	51	1. 154	165.5	·Ö
1	•	2 860		115	2.154	\$31.1	0
<b></b>						7 709.2	
			· ·				
- 1 9					1 11. 625	1 929.1	τ.
11	D 25	7 360	3. 973	<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	18. 627	1 045.1	
1	D 16	1 540 7 800	1.552	58	12.105	738.5	<u>i</u>
4	D 13	15 190	0. 994	11	15. 093	935.1	
5		7 900		1	7. 853	15.7	
. 6	•	15 200		1	15, 109	30. 2	
?	•	500	•	. 61	0. 497	30. 3	
\$		650		384	· 0. 656	241.1	
F 1	8 19	4 - 209	2. 235	113	9. 317	1117.1	<u> </u>
2	011	2 010	0.991	81	1.951	111.3	
3	+	2 730	1 552	119	4. 237	564.2	
4	0 13	3 330	0.994	<u> </u>	3, 318	201.9 151.9	
5		15 190		5		15.5	
	1	15 139			+	241.6	
		2 860		58		1	U
3	-	2 860		116		331, 1	U
† É			<u> </u>	•		1 (8).9	
					D 25	\$ 714.5	
					D 19	3 371.5	
					<u> </u>	1 643.4	
					E: 4	7 434.3	
}					DIAL VEIGHT	23 (8).3	
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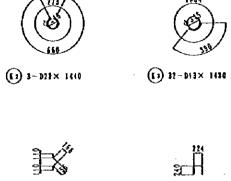
JAPAN INTERNATIONAL COOPERATION AGENCYCLIENT : WINISTRY(JICA)PROJECT : D/D ON RJICA STUDY TEANIIICA STUDY TEANPACIFIC CONSULTANTS INTERNATIONALTITLE : R/A-8, AFUNLYANA CONSULTANTS INTERNATIONALDATE

NOTES:

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		-		
	·			
OF CONNUNI	CATIONS, DIR MENT PROJEC	ECTORATE G	AH HIGHWAY	KUADS
KHABURAH	RE-BAR ARRA	NGEMENT (1	6)	
· .	DTG NO.	W-18		

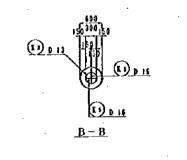




(i) 1-DIEX 710

REIN ND.	\$ (11)	LENGIB (LD)	NORINAL Velget	N1 V B	U VÉIĜAT	181681	REMARTS
<u> </u>	D 32	6 960	6, 403	10	41. 565	445. 7	
2	D 22	1 440	3. 402	1	4. \$95	16.7	0
3	D 13	1 (80	0.994	32	1.471	47. 1	
4	•	\$30	•	11	0. 527	6.3	<u>}</u>
5	D 16	710	1.552	2	1. 192	1.1	
•							
-					D 32	(45. 1	
				······································	D 32 D 21	14. 1	
					D 32	14. 1 2. 1	
					D 32 D 21	14. 1	

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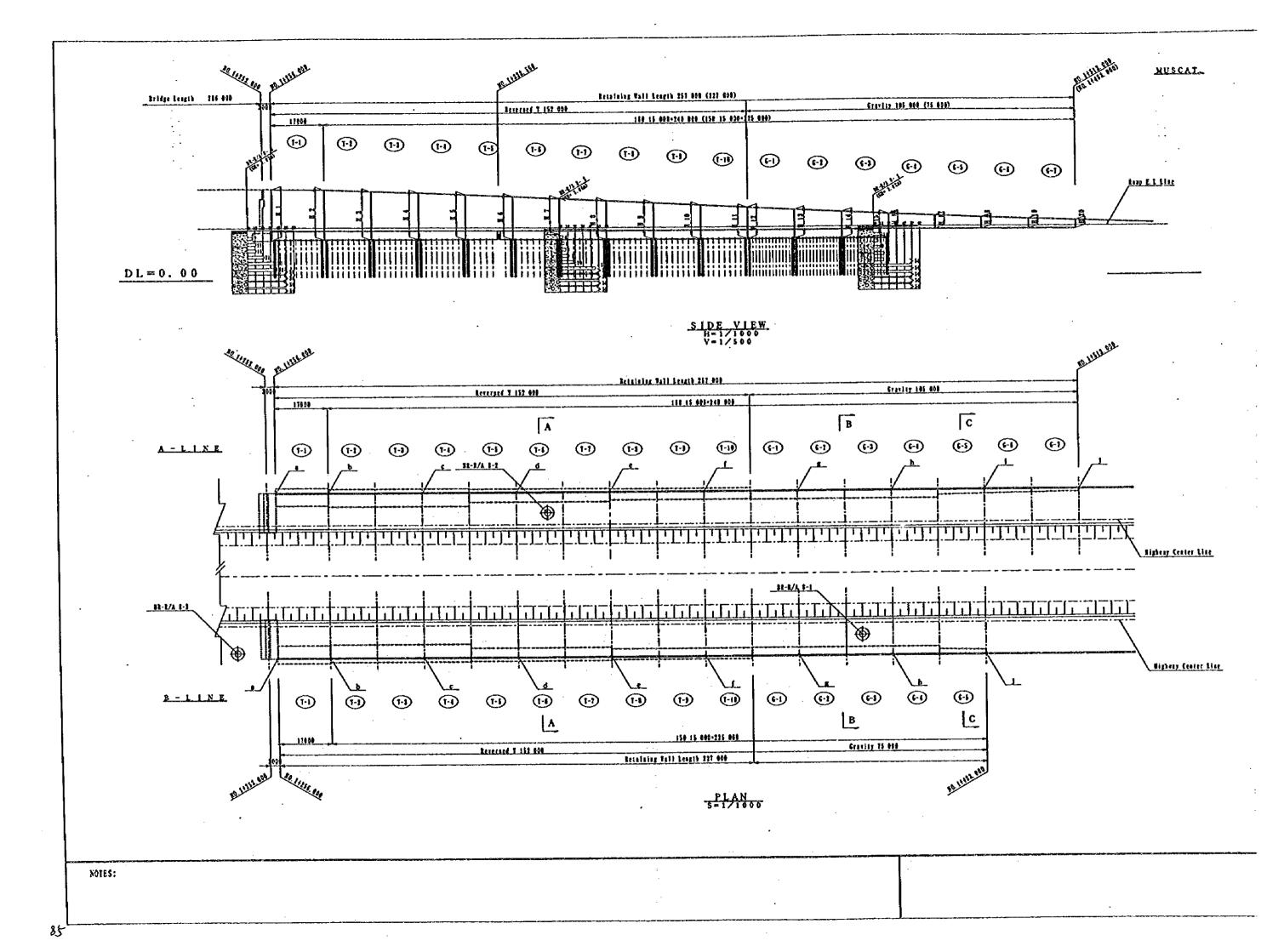
 JAPAN INTERNATIONAL COOPERATION AGENCY
 CLIENT : WIN

 (JICA)
 PROJECT : D/D

 JICA STUDY TEAN
 TITLE : R/A

 PACIFIC CONSULTANTS INTERNATIONAL
 DATE

#### WINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY R/A-8, AL KHABURAH RE-BAR ARRANGEMENT (17) DKG NO. W-19



MUSCAL\_

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E.L. Line

Tiptray Center Line

Jinter Center Line

	<u>Var</u> <u>1 200 159</u> <u>1 : 10</u> <u>1 : 10</u> <u>1 : 10</u> <u>1 : 10</u>	$\frac{10 \ 1}{1591 \ 100} \ 1 \ 500 \ 1 \ 1 \ 500 \ 1 \ 1 \ 500 \ 1 \ 1 \ 500 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \$	1 \$94 159
Freedites Lite		•	

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<u>R e</u>	<u>v e </u>	<u>rsed</u> 7	<u> </u>				
TYP	IARK E	Н	h 1	В	B 1	B 2	B 3
		t 1=8 132	6732	5700	1 5 0 0	826	3 374
	1- 1	1=7 865	6 4 6 5		i	803	3 3 9 7
A	1-1	1-7 598	6 1 9 8	5700	1 2 0 0	789	3 7 1 1
	1-1	4+7 331	5 931			766	3734
1.	1- 4	5=7 018	5 6 1 8			718	3 782
L	1-5			4 200	1 0 0 0	702	2 4 9 8
		1=6 707	5 3 6 7			677	2 5 2 3
1	1-6	7+6 3 5 0	4 9 5 0		1 (	648	2 5 5 2
	1-1	1.5 993	4 5 9 3			619	2 5 8 1
N	7- 1		4 1 9 1	3 5 0 0	800	600	2 1 0 0
E	1- 1	1-5 591			-	569	2 131
3		11=5 189	3 7 8 9			538	2 1 6 2
	1-18	11-4 7 5 3	3 3 5 3			501	2 1 9 5
	1-1	11-8 132	6732	5 7 0 0	1 5 0 0	826	3 374
В	<b></b>	1=7 865	6 4 6 5			789	3711
	1-1	3-7 5 9 8	6 1 9 8	\$ 700	1 2 0 0	766	3734
	1- 2	1.7 331	5 9 3 1	]		744	3 7 5 6
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L	1-5	6-6 7 0 7	\$ 307	4 2 0 0	1 000	102	2 4 9 8
1.	<u> </u>	<u></u>				677	2 5 2 3
1	1-1	7=6 3 5 0	4 9 5 0	1		648	2 5 5 2
N	1-1	1 8=5 993	4 5 9 3	L		619	2 5 8 1
1 14	1-1	8-5 5 9 1	4 1 9 1	3 500	800	600	2 100
E	1-1	19-5 189	3 7 8 9	1		- 569	2 131
1	1-18	<b></b>	3 3 5 3	1	1	501	2 1 6 2
	1	1 114 1 53	<u> </u>	J		┶┈╩╩┷	

Grav	<u>l t y (Pil</u>	e Founda	<u>tion)</u>		
NARK	н	h 1	В	B 1	B 2
A 6-1 1 6-2 1 6-3 N E 6-4	112=4 7 5 3 13=4 3 1 7 (4=3 8 3 7 15=3 5 5 7 16=3 2 5 2	3 3 5 3 2 9 1 7 2 5 3 7 2 1 5 7 1 8 5 2	2 8 6 0	2 158 1 910 1 694 1 477 1 304	642 890 1106 1323 1496
B G-1 I G-1 I G-1 N G-1 Ν G-4	112=4 7 5 3 13=4 3 1 7 14=3 9 3 7 15=3 5 5 7 15=3 2 5 2	3     3     5     3       2     9     1     7       2     5     3     7       2     1     5     7       1     8     5     2	2800	2 158 1 910 1 694 1 477 1 304	642 890 1206 1323 1496

Gravity (Spread Foundation)

NARK	н	В	Uh	UB
A C- 5	117=3 852	1 3 6 1	1 500	3 3 6 1
	11-1 547	1 1 7 8		3 1 7 8
	19=1 317	1040		3 0 4 0
Ξ G-1	18-1 087	902		2 9 0 2
	17=1 852	1 3 5 1	1 5 0 0	3 3 6 1
Ň	11-1 547	1 0 4 0		3 0 4 0

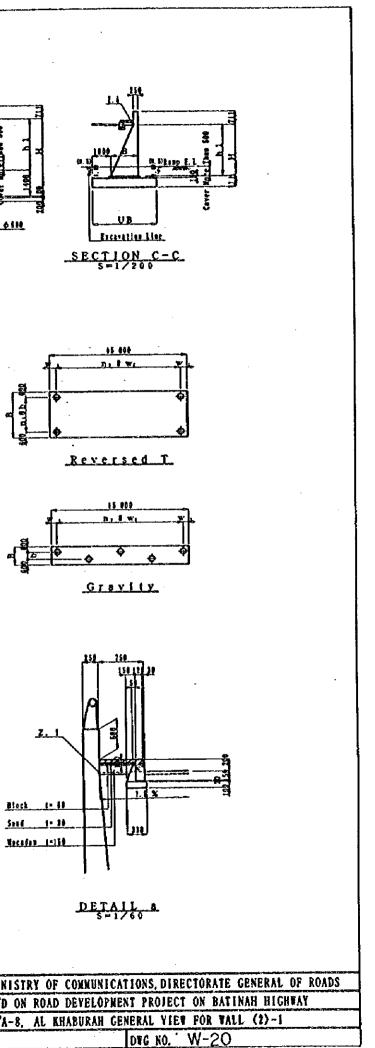
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1	3 0 1 500	725 9 . 3 700	40 6000	T 1	1 0 1 500	725	9 0 1 7 0 0	40	6 0 0 0
T 7 ~ T 1	1 . 1 500	600 9 0 1 725	40	T 2 ~ T 4	3 8 1 5 0 0	600	8 0 1 7 2 5	36	
T 6 4 T 7	2 0 1 500	675 7 0 1 950	24	T \$~T 7	2 0 1 500	675	7 0 1 9 5 0	24	
T E ~ T10	1 0 2 300	600 8 0 1 725	18	T 8 ~ T10	1 0 2 3 0 0	600	8 6 1 7 2 5	18	
Gravity	1 0 1 600	640 14 8 980	15 6 000	Gravity	1 0 1 500	600	14 0 980	15	6 0 0 0

JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT :	WINISTRY OF
	PROJECT :	D/D ON ROAD
JICA STEDY TEAN PACIFIC CONSELTANTS INTERNATIONAL	TITLE :	R/A-8, AL KH
FURDYAXA CONSULTANTS INTERNATIONAL	DATE	<u></u>
, <b>8</b>		



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Poi	n 1		а	b	c		đ	e	f	. B	h	i	j
		╀		12650885 88830	+2650861 787	93	+2650837.68756	+2650813.58720	+2650739. 48683	+2650765. 38646	+2650741.28609	+2550717.18573	+2650693.085
ÏŁ	N F	1		+ 509381-84476			+ 509417, 57555	+ 509435.44094	+ 509453. 30634	+ 509471.17173	+ 509489.03712	+ 509506.90252	+ 509524.767
s i		┦	14.571	14. 265	13.731		13.107	12.393	11. 589	10.717	9.957	9.347	8.837
E B		╈	+2550882 36100	+ 26 5 0 8 6 6 . 2 9 5 0 9				+2650793. 99498	+2650759. 89461	+2650745.79425	+2650721.69388	+2650697.59351	
	 E	-	+ 509343.50435	· ···	+ 509373.280			+ 509409.01079	+ 509426.87618	+ 509444.74157	+ 509462.60697	+ 509430, 47236	
N F	2	┦	14. 571	14.265	13.731	1	13.107	12.393	11.589	10.717	9.952	9.332	· · · · · · · · · · · · · · · · · · ·
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	JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT : WINISTRY OF CONMUNICATIONS, DIRECTORATE GENERAL OF ROADS
NOTES:	(JICA)	PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
• · · · ·	IICA STUDY TEAN	TITLE : R/A-8, AL KHABURAH GENERAL VIEW FOR WALL (2)-2
	PACIFIC CONSULTANTS INTERNATIONAL FUKUYANA CONSULTANTS INTERNATIONAL	DATE DVC NO. W-21