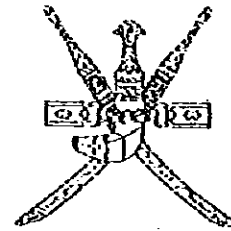


SULTANATE OF OMAN
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF ROADS



CONSTRUCTION OF PEDESTRIAN UNDERPASS
AT
MAJAZ A'SUGHRA
BATINAH HIGHWAY

TENDER DOCUMENT

DRAWINGS

JICA LIBRARY



PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

March, 1997

SSF
CR(5)
97-015

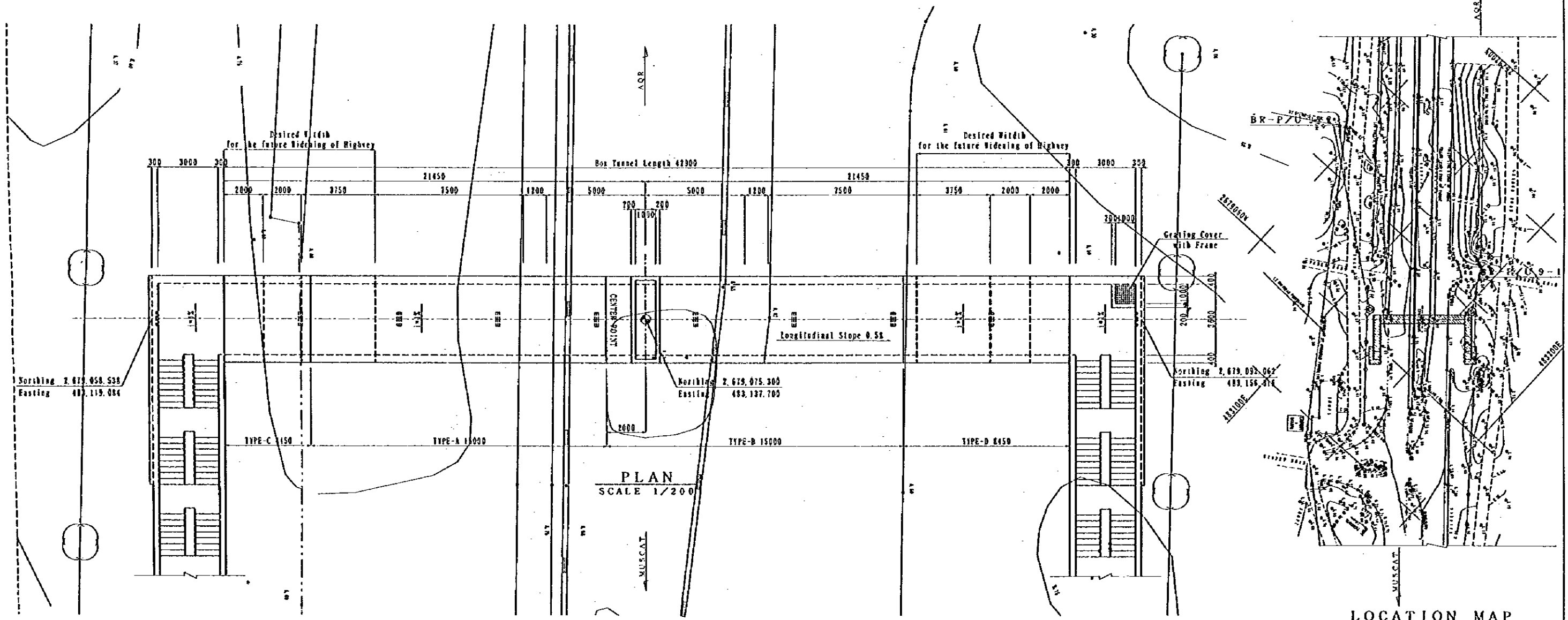
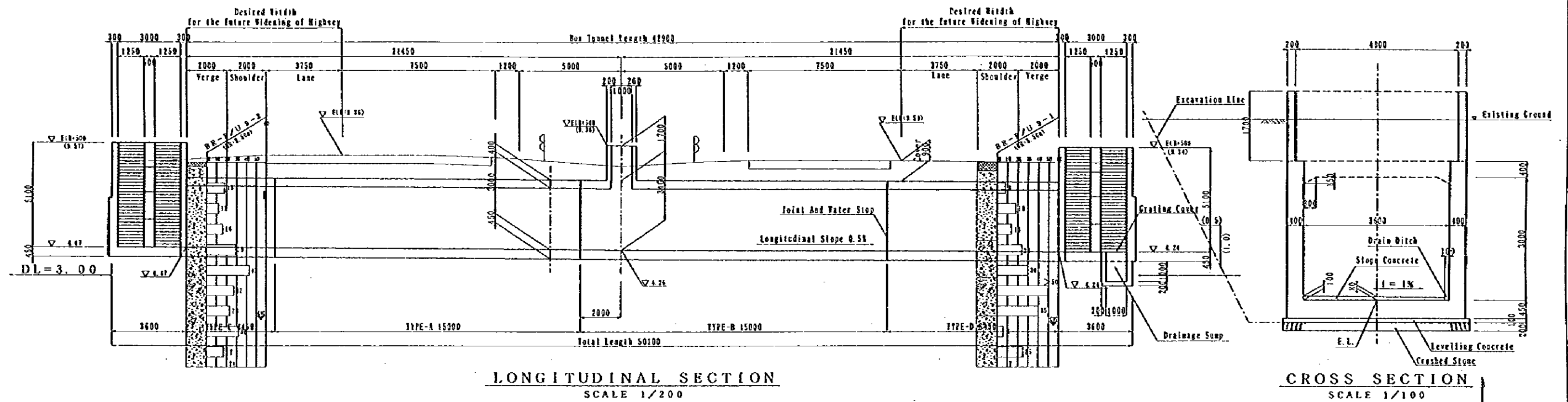
DRAWING SCHEDULE
(PU9-MAJAZ A'SUGHRA PEDESTRIAN UNDERPASS)

SHEET NO.	DRAWING TITLE
G	GENERAL
G - 1	Drawing Schedule
P	PEDESTRIAN UNDERPASS
P - 1	General View (1)
P - 2	General View (2)
P - 3	General View (3)
P - 4	Re-bar Arrangement (1)
P - 5	Re-bar Arrangement (2)
P - 6	Re-bar Arrangement (3)
P - 7	Re-bar Arrangement (4)
P - 8	Re-bar Arrangement (5)
P - 9	Re-bar Arrangement (6)
P - 10	Re-bar Arrangement (7)
T	TEMPORARY WORKS
T - 1	Construction Sequence
T - 2	Detour Layout

NOTES:		JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
		JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
			TITLE : P/U-9, MAJAZ A'SUGHRA DRAWING SCHEDULE
			DATE : DWG NO. G-1



1140570(1)

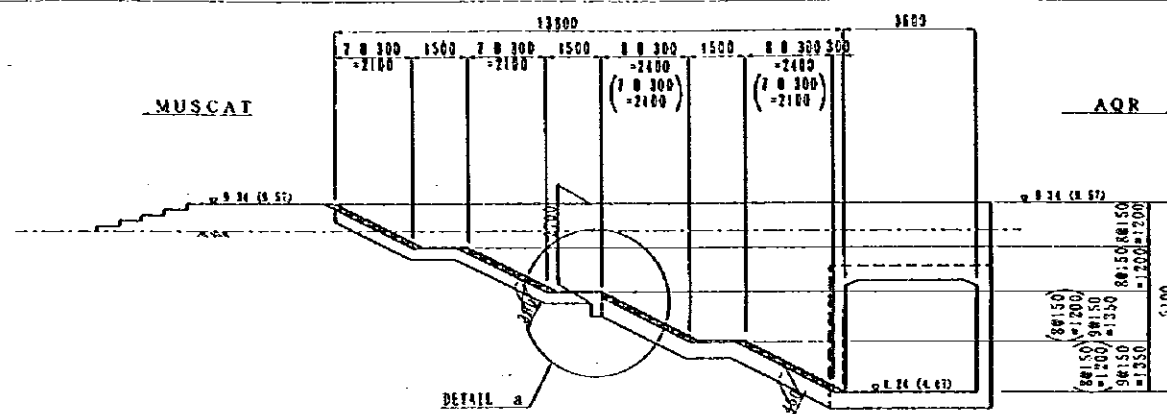


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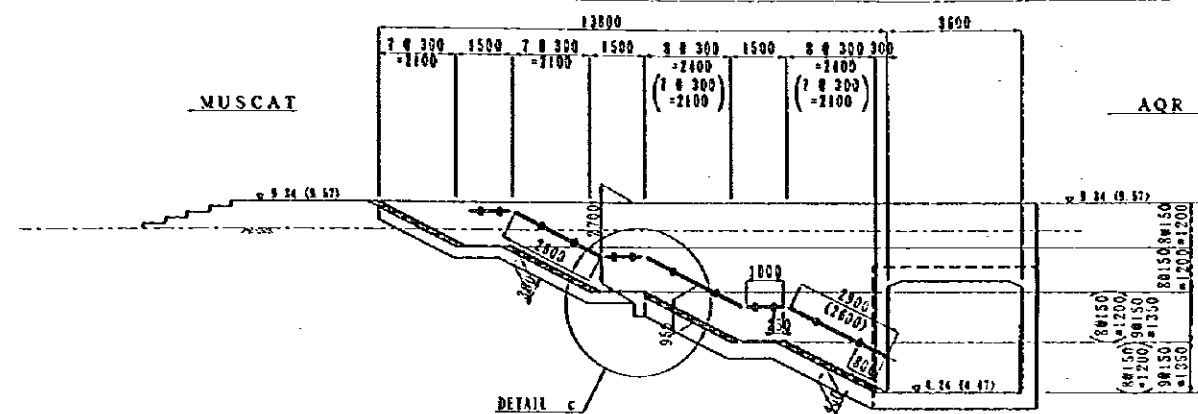
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
ELKUYAMA CONSULTANTS INTERNATIONAL

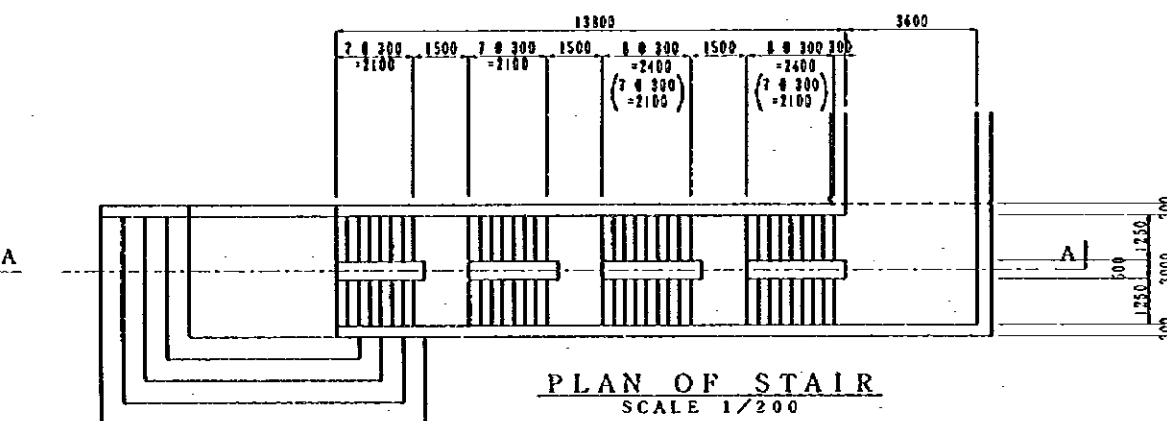
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE : P/U-9, MAJAZ A' SUCHRA GENERAL VIEW (I)
DATE :
DWG NO. P-1



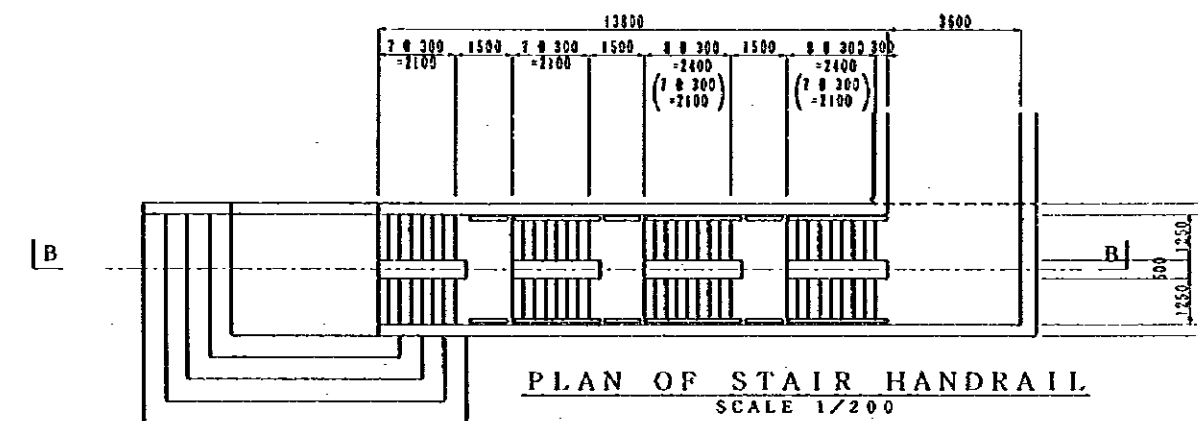
STAIR (SECTION A-A)
SCALE 1/200



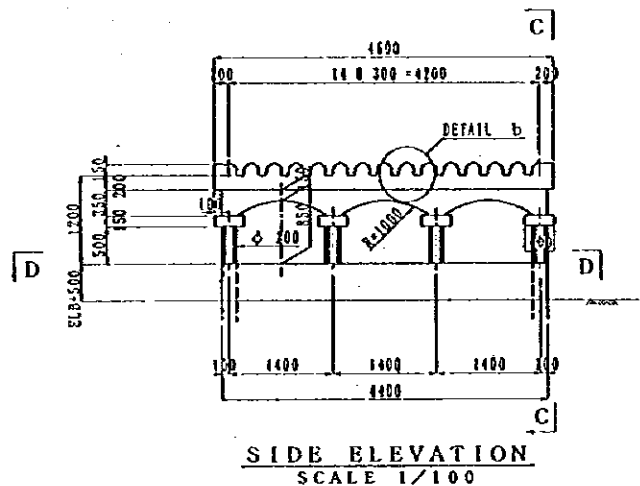
STAIR HANDRAIL (SECTION B-B)
SCALE 1/200



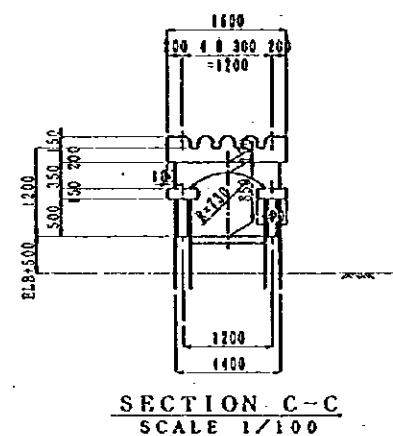
PLAN OF STAIR
SCALE 1/200



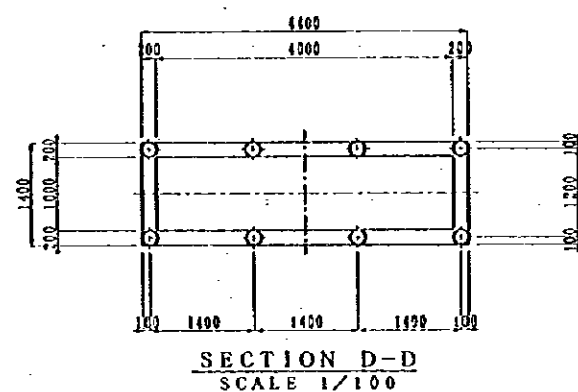
PLAN OF STAIR HANDRAIL
SCALE 1/200



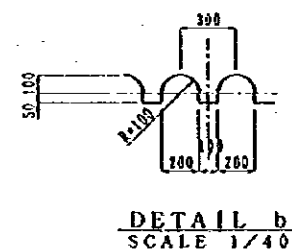
SIDE ELEVATION
SCALE 1/100



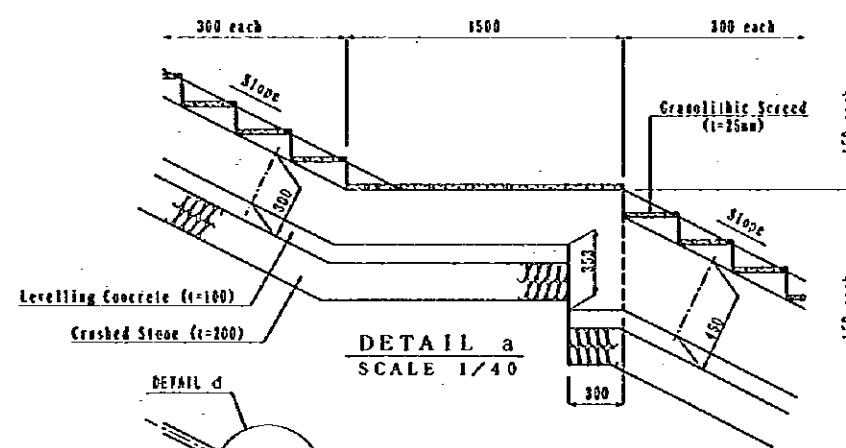
SECTION C-C
SCALE 1/100



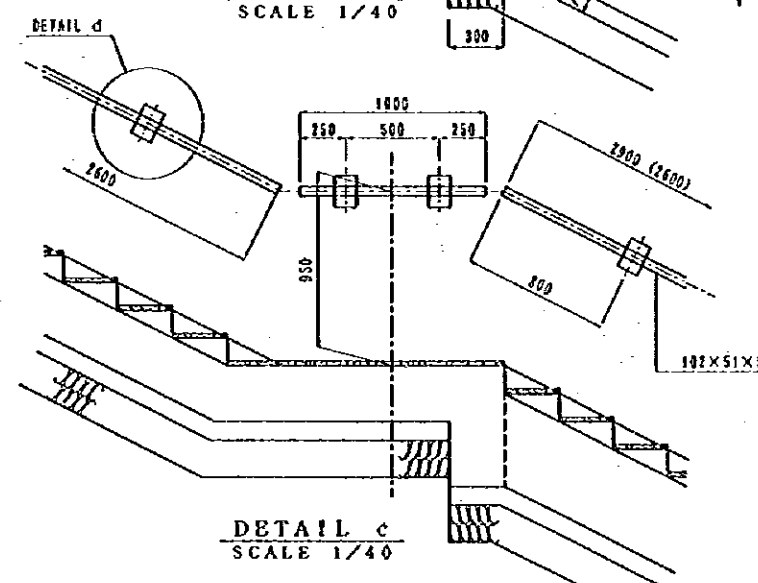
SECTION D-D
SCALE 1/100



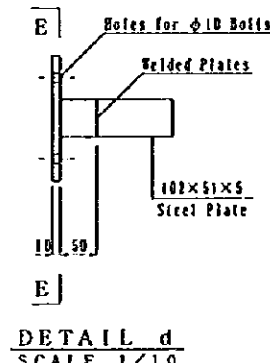
DETAIL b
SCALE 1/40



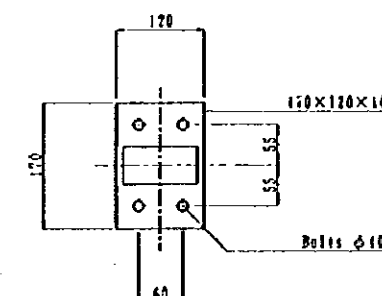
DETAIL a
SCALE 1/40



DETAIL c
SCALE 1/40



DETAIL d
SCALE 1/10

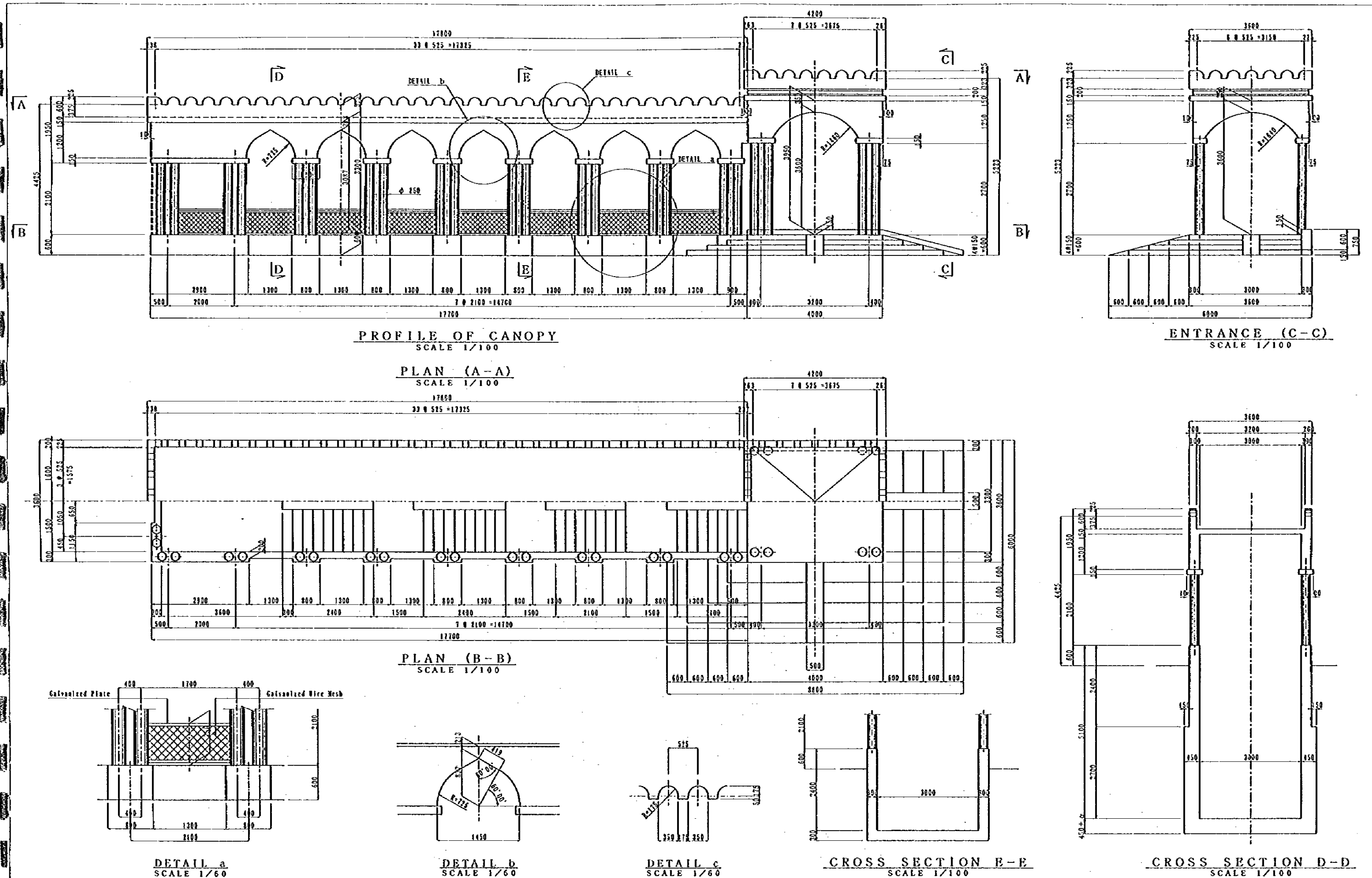


SECTION E-E
SCALE 1/10

NOTES: Dimensions of () value are for inland stair.

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
PLANNING CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE : P/U-9, MAJAZ A' SUCHRA GENERAL VIEW (2)
DATE :
DWG NO. P-2

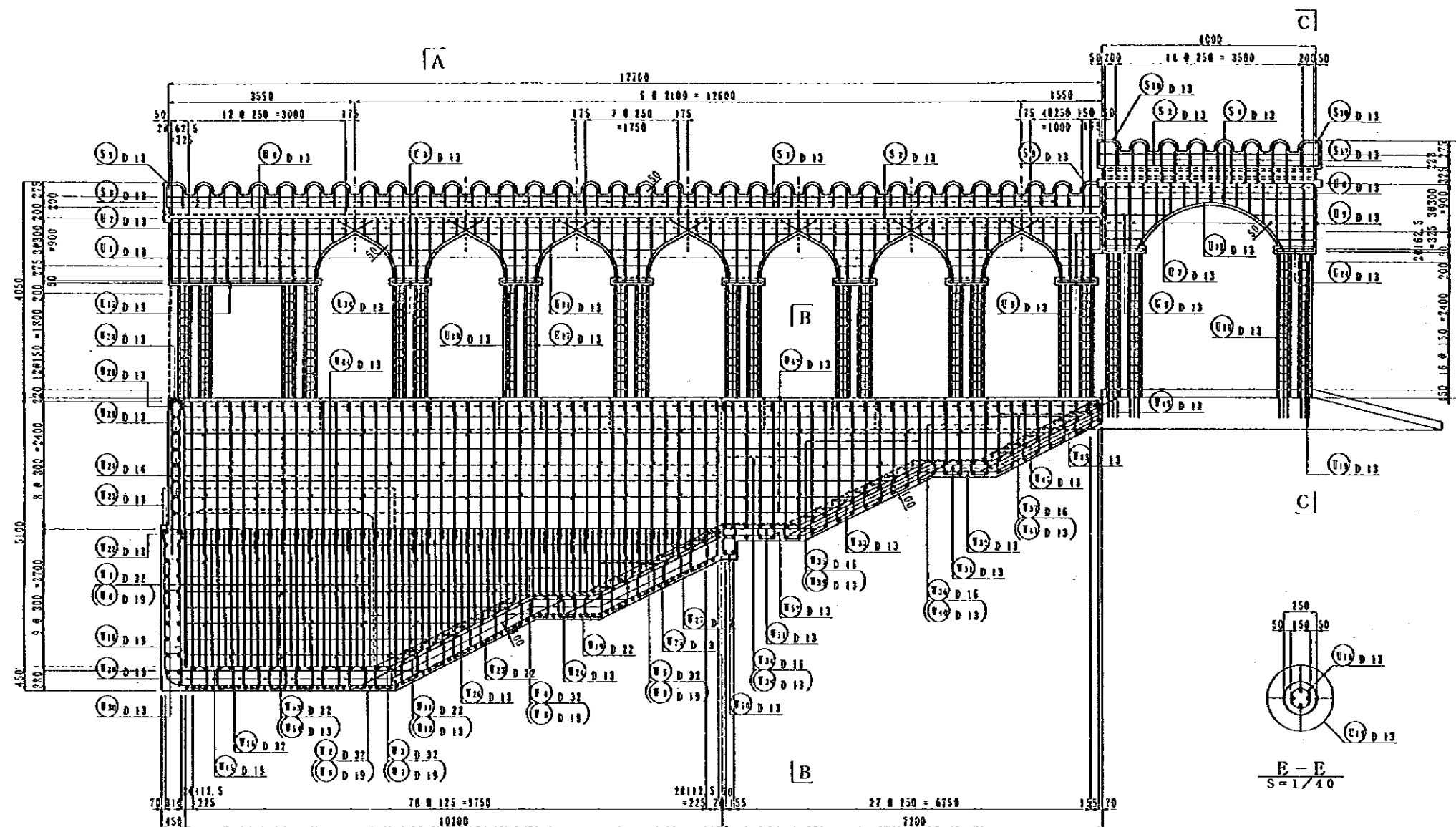


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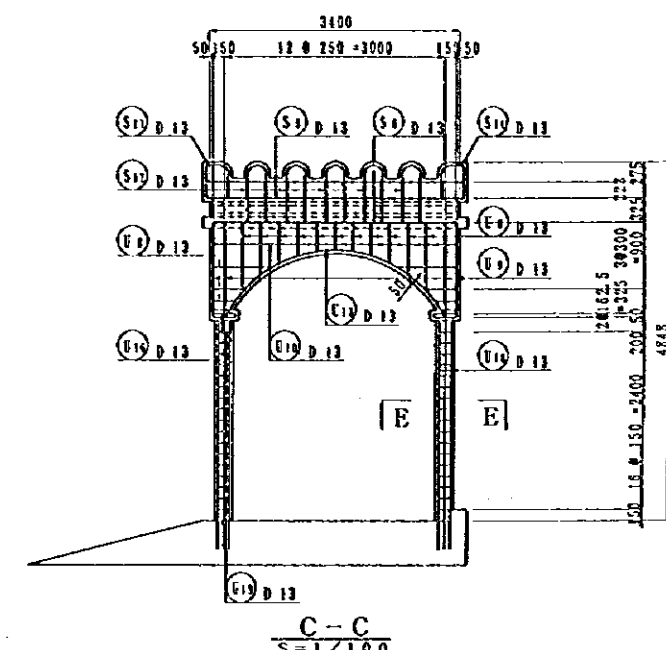
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

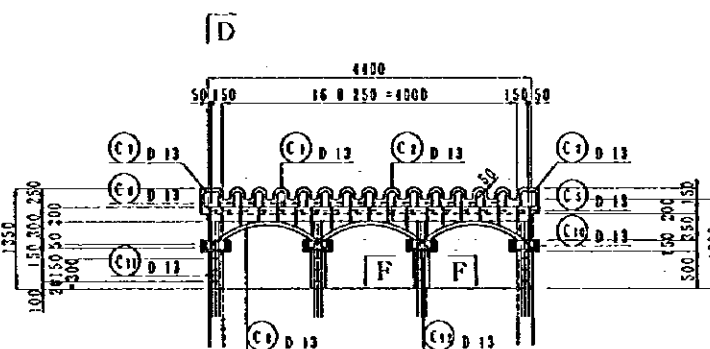
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE : P/U-9, MAJAZ A' SUCHRA GENERAL VIEW (3)
DATE :
DWG NO. P- 3



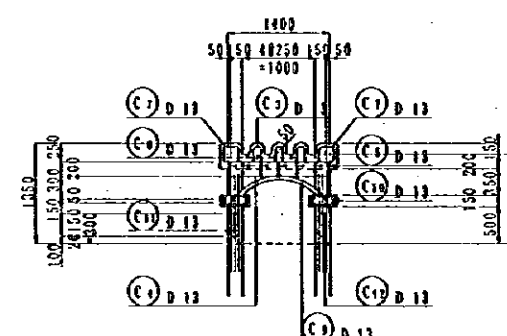
[A] SIDE VIEW
S=1/100



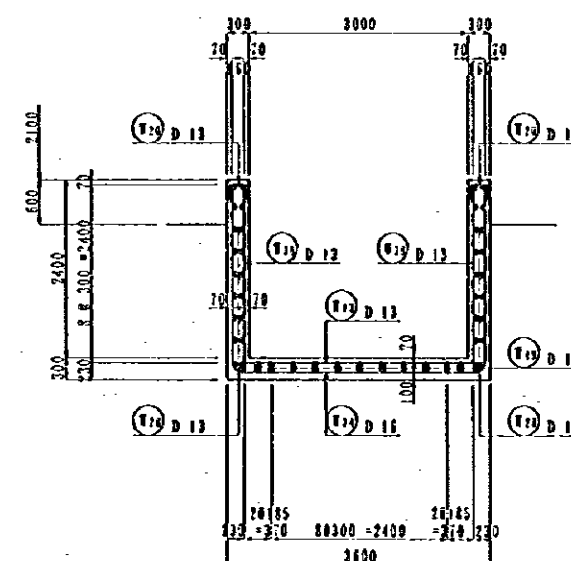
C - C
S=1/100



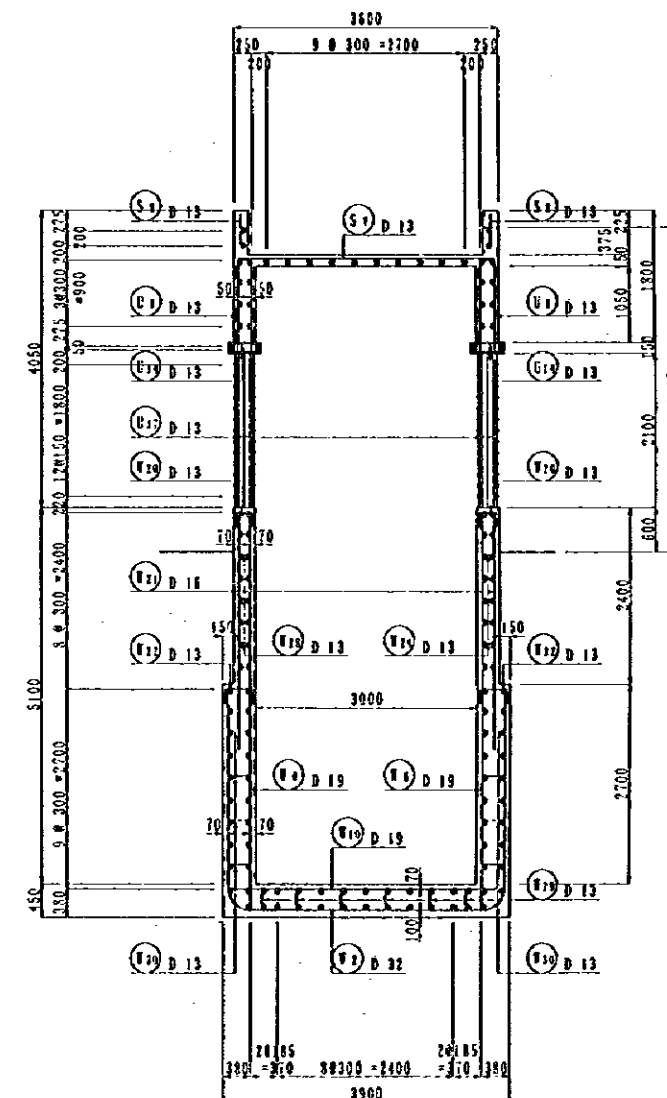
[D] CANOPY ON LIGHT
S=1/100



D - D
S=1/100



B - B
S=1/100



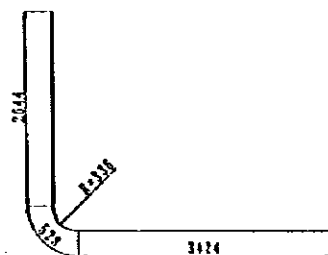
A - A
S=1/100

NOTES:

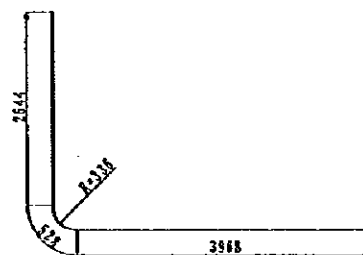
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FLUYAMA CONSULTANTS INTERNATIONAL

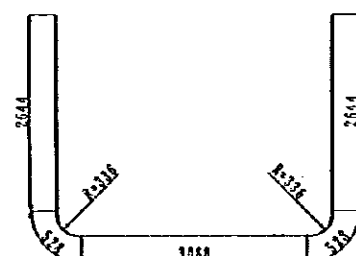
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE : P/U-9, MAJAZ A' SUCHRA RE-BAR ARRANGEMENT (1)
DATE : _____ DWG NO. P - 4



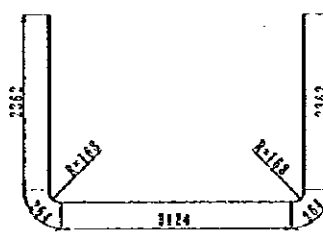
29-D32 x 6 800



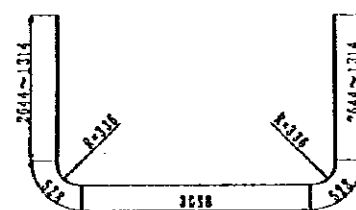
30-D32 x 7 140



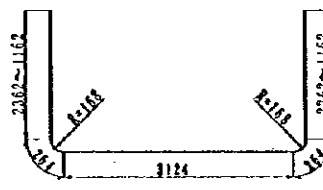
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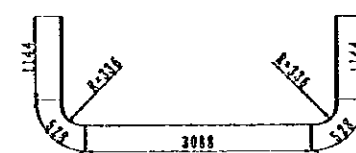
7-D16 x 8 380



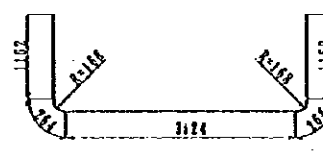
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9-D16 x 7 180



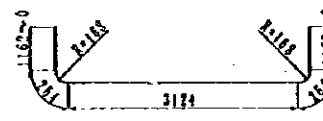
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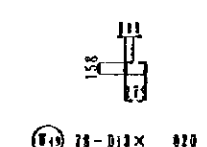
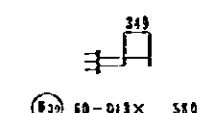
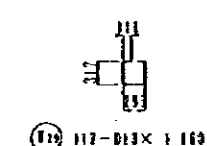
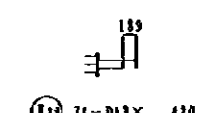
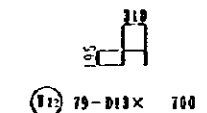
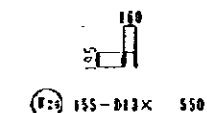
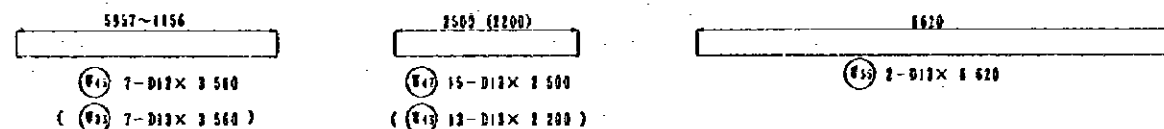
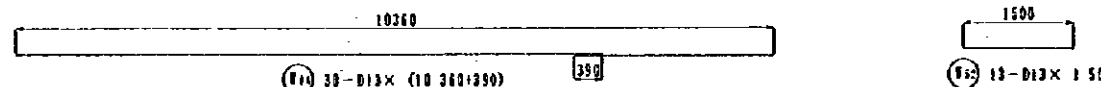
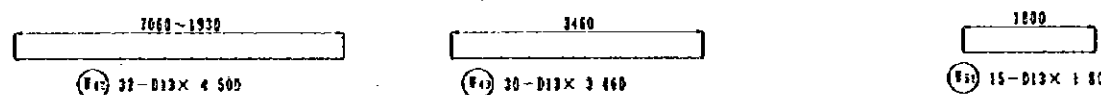
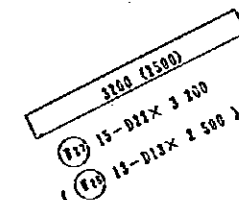
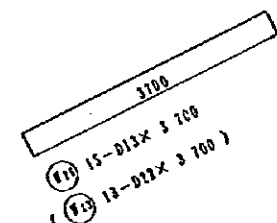
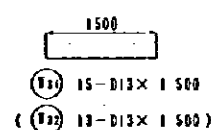
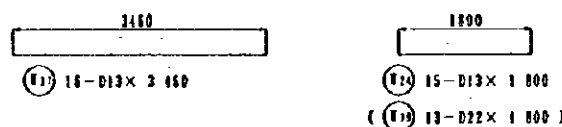
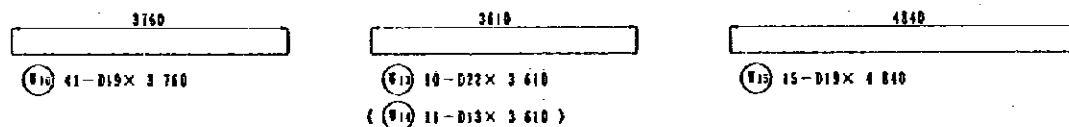
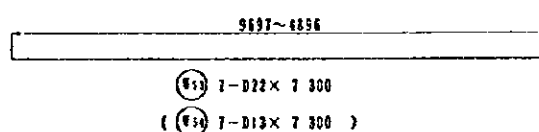
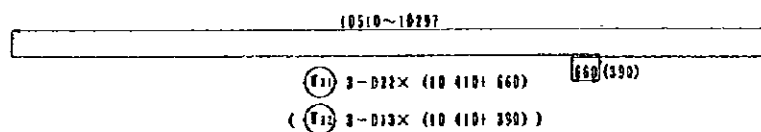
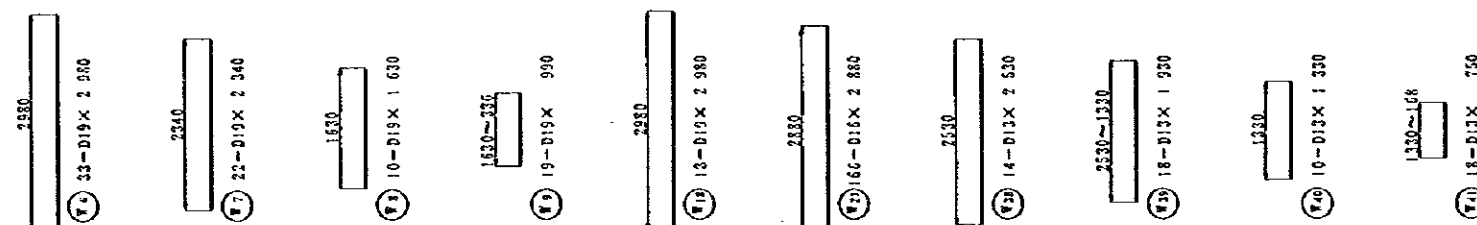
5-D16 x 5 980



19-D32 x 5 830



9-D16 x 4 820



NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

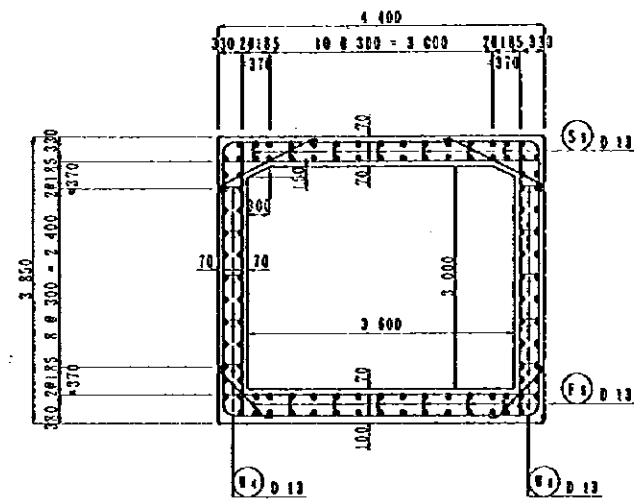
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

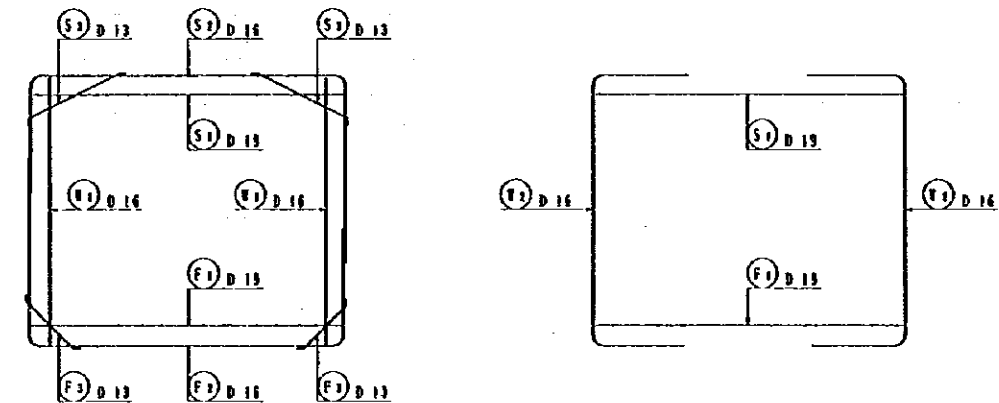
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE : P/U-9, MAJAZ A' SUCHRA RE-BAR ARRANGEMENT (2)

DATE : DWG NO. P - 5



SECTION
S-1/100



	B. 1	a	b	c
TYPE A	15 000	150	116 @ 125	58 @ 250
TYPE C	4 450	—	34 @ 125	17 @ 250
TYPE D	8 450	—	66 @ 125	33 @ 250

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

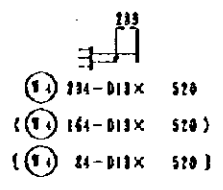
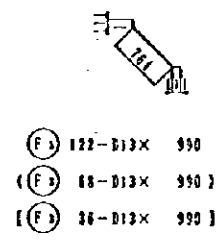
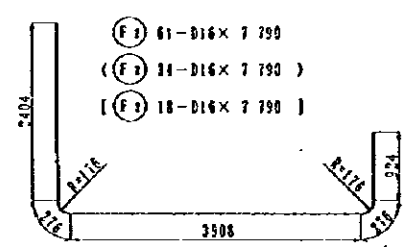
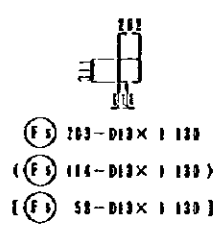
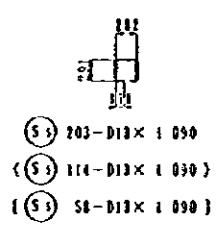
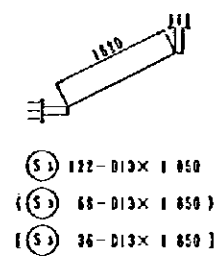
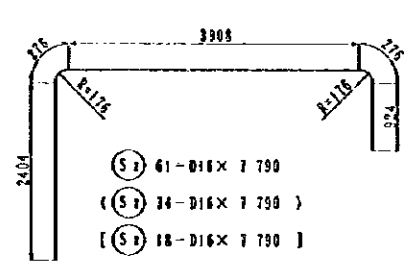
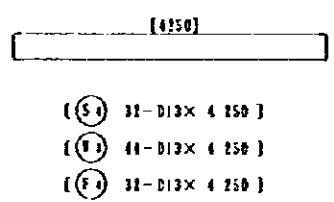
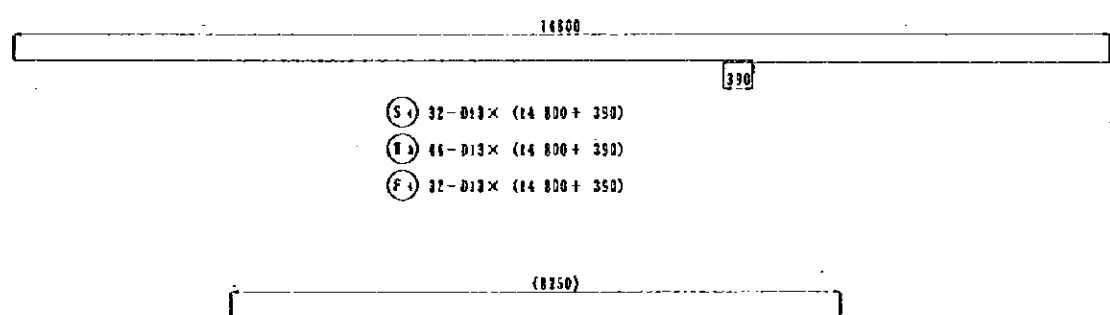
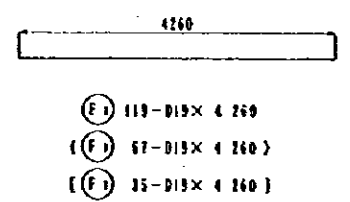
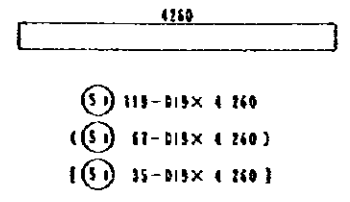
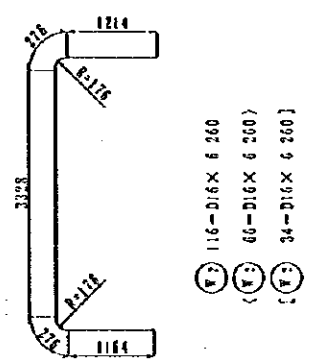
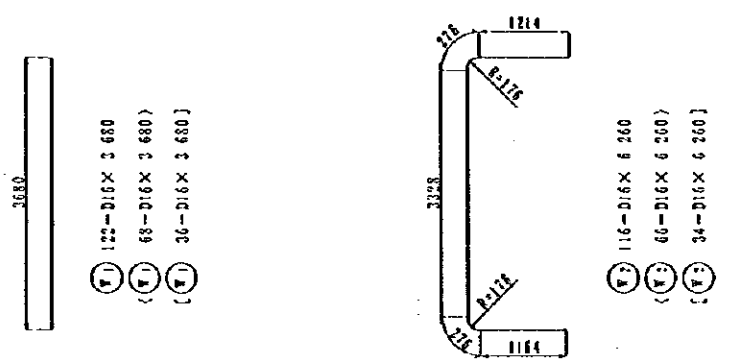
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUJUKAWA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

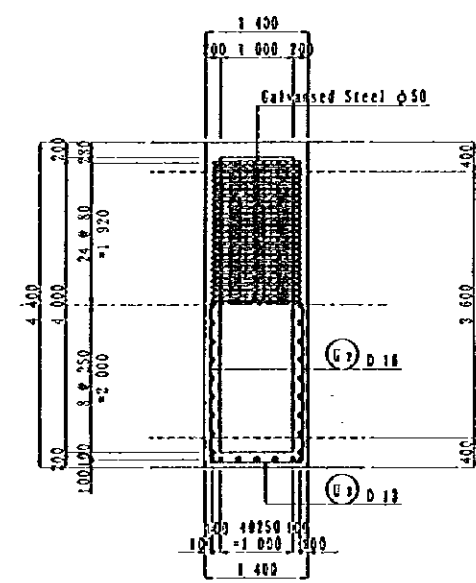
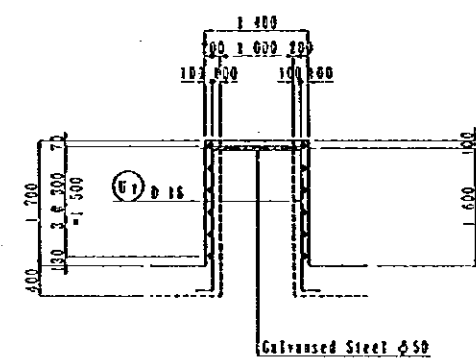
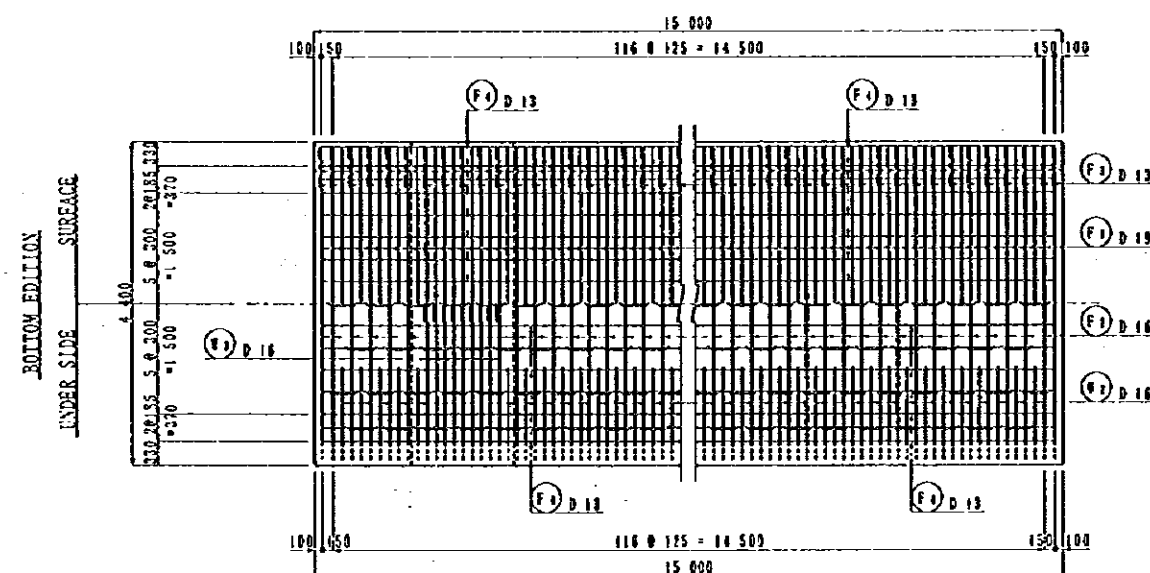
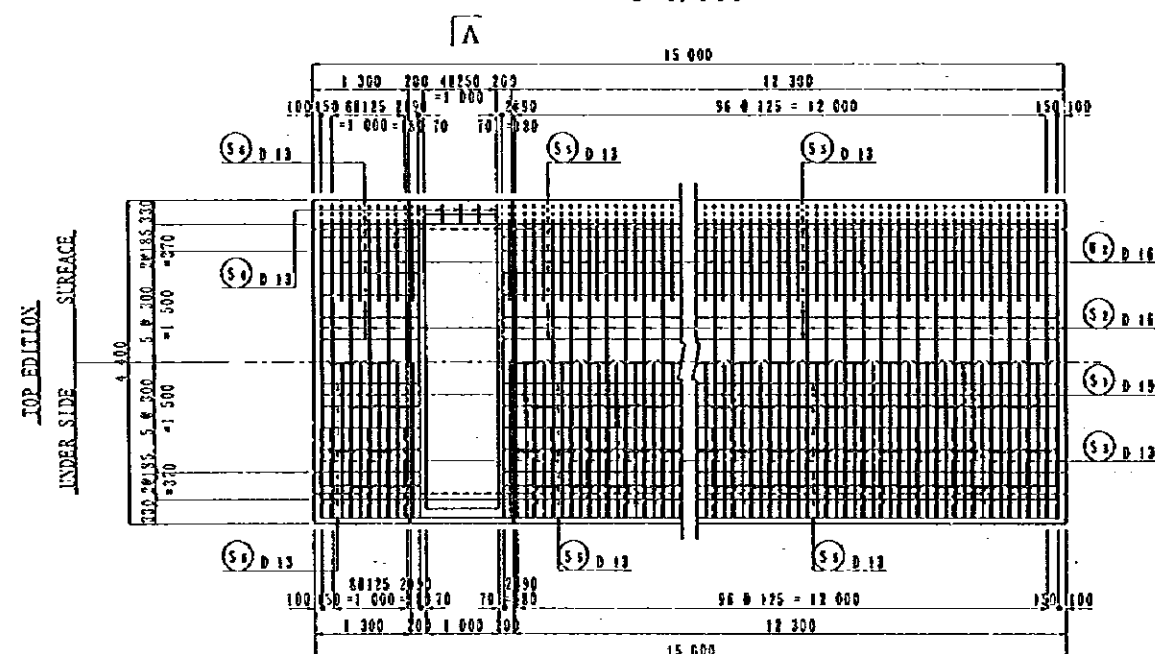
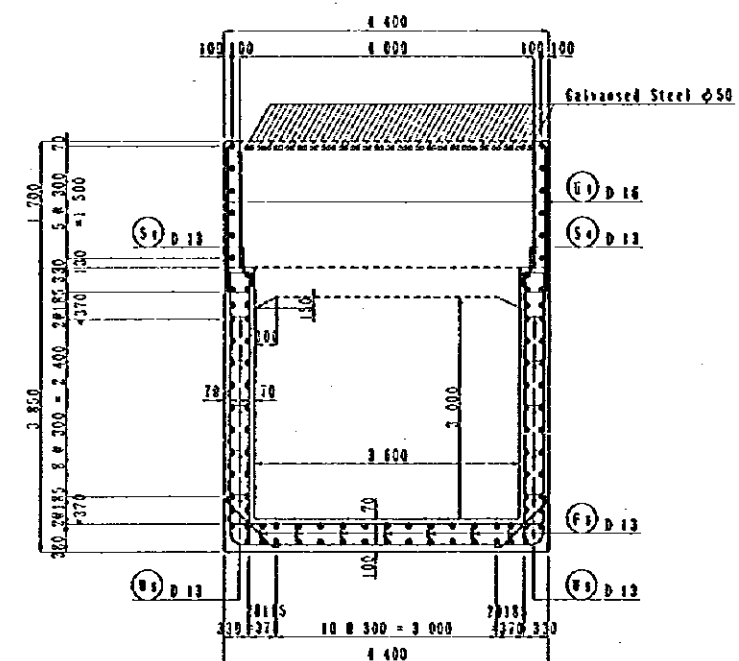
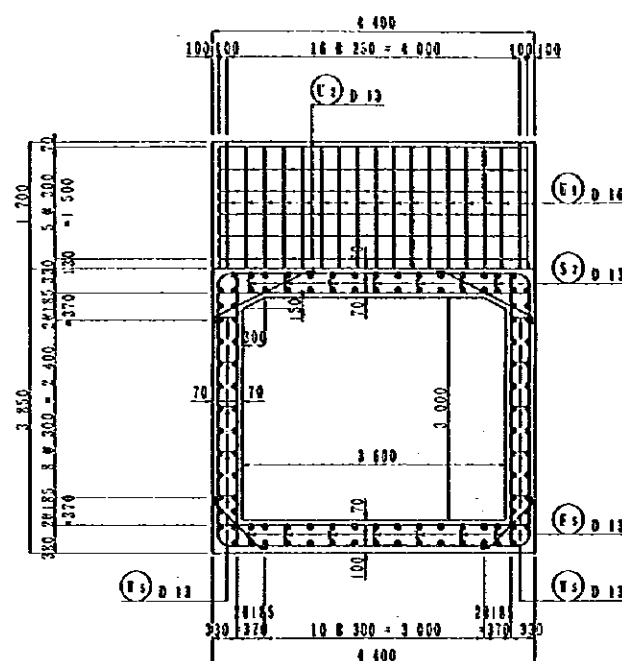
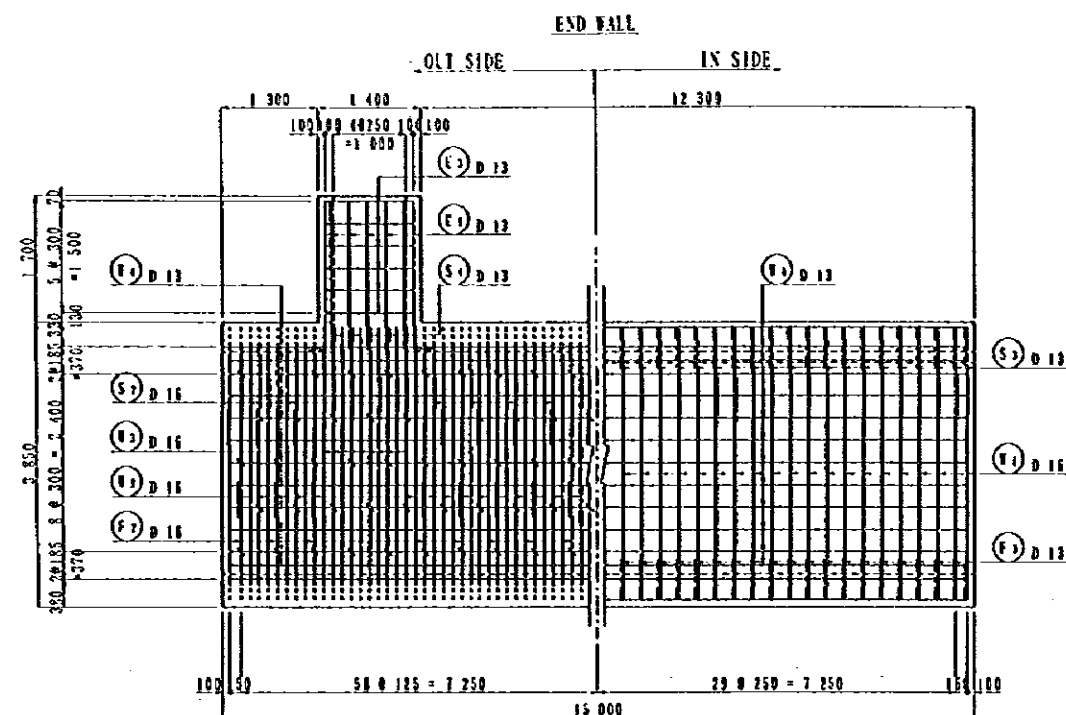
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE : P/U-9, MAJAZ A' SUCHRA RE-BAR ARRANGEMENT (4)

DATE	DWC NO. P - 7
------	---------------



REIN NO.	Ø (mm)	LENGTH (mm)	NOMINAL WEIGHT	NLWB	U WEIGHT	WEIGHT	REMARKS
TYPE-A							
S 1	D 19	4 260	2.235	119	9.521	1133.0	—
2	D 16	7 790	1.552	61	12.090	737.5	—
3	D 13	1 850	0.994	122	1.839	224.4	—
4	"	15 190	"	32	15.099	483.2	—
5	"	1 030	"	203	1.083	219.9	—
							1133.0
E 1	D 16	3 680	1.552	122	5.711	696.7	—
2	"	6 260	"	116	9.716	1127.1	—
3	D 13	15 190	0.994	44	15.099	444.4	—
4	"	520	"	234	0.517	152.0	—
							1133.0
F 1	D 19	4 260	2.235	119	9.521	1133.0	—
2	D 16	7 790	1.552	61	12.090	737.5	—
3	D 13	590	0.994	122	0.994	120.0	—
4	"	15 190	"	32	15.099	483.2	—
5	"	1 130	"	203	1.123	228.0	—
							1133.0
TYPE-C							
S 1	D 19	4 260	2.235	67	9.521	637.9	—
2	D 16	7 790	1.552	34	12.090	411.1	—
3	D 13	1 850	0.994	68	1.839	125.1	—
4	"	8 250	"	32	8.201	262.4	—
5	"	1 090	"	114	1.083	122.5	—
							637.9
E 1	D 16	3 680	1.552	68	5.711	388.3	—
2	"	6 260	"	68	9.716	641.3	—
3	D 13	8 250	0.994	14	8.201	360.0	—
4	"	520	"	164	0.517	84.0	—
							637.9
F 1	D 19	4 260	2.235	67	9.521	637.9	—
2	D 16	7 790	1.552	34	12.090	411.1	—
3	D 13	990	0.994	68	0.994	66.9	—
4	"	8 250	"	32	8.201	262.4	—
5	"	1 130	"	114	1.123	128.0	—
							4511.5
TYPE-D							
S 1	D 19	4 260	2.235	35	9.521	333.2	—
2	D 16	7 790	1.552	18	12.090	217.6	—
3	D 13	1 850	0.994	36	1.839	66.2	—
4	"	4 250	"	32	4.225	135.2	—
5	"	1 090	"	68	1.083	62.0	—
							333.2
E 1	D 16	3 680	1.552	36	5.711	205.4	—
2	"	6 260	"	34	9.716	330.3	—
3	D 13	4 250	0.994	44	4.225	185.9	—
4	"	520	"	84	0.517	43.4	—
							333.2
F 1	D 19	4 260	2.235	35	9.521	333.2	—
2	D 16	7 790	1.552	18	12.090	217.6	—
3	D 13	990	0.994	36	0.994	35.4	—
4	"	4 250	"	32	4.225	125.2	—
5	"	1 130	"	58	1.123	65.1	—
							2766.7
							D 19 4203.2
							D 16 8121.7
							D 13 4718.2
							TOTAL HEIGHT 15049.1



NOTES:

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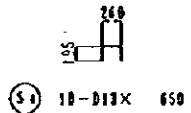
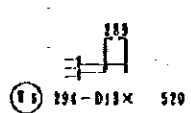
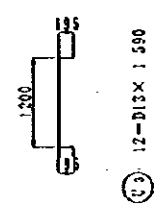
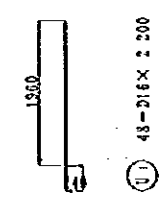
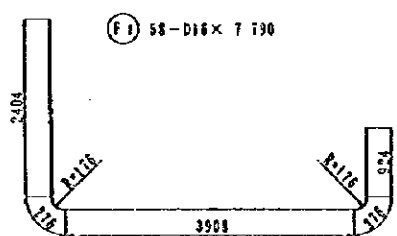
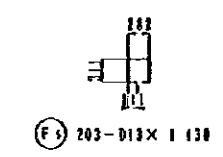
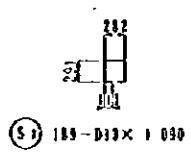
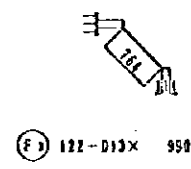
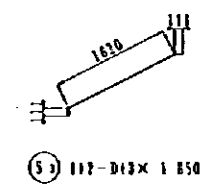
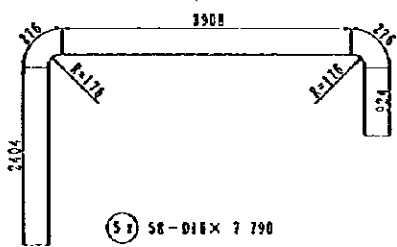
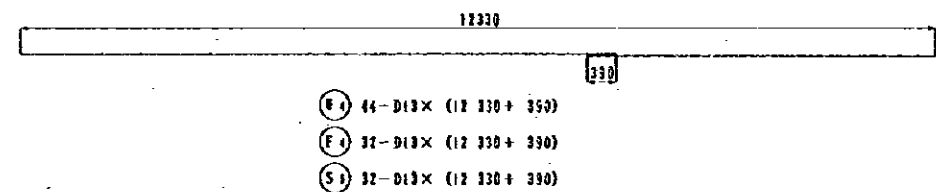
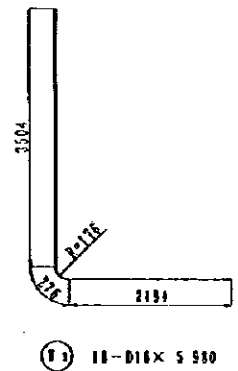
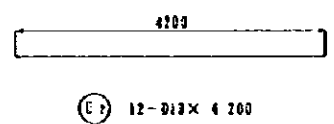
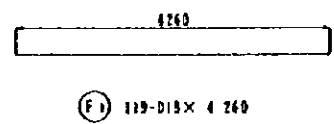
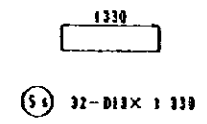
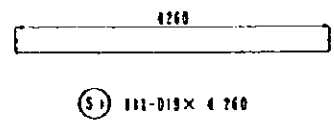
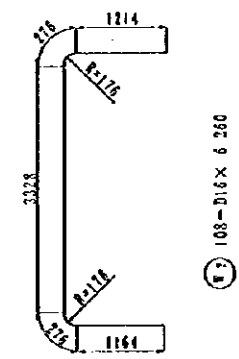
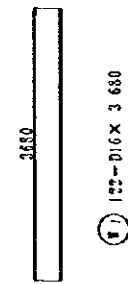
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

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

TITLE : P/U-9, MAJAZ A' SUGHRA RE-BAR ARRANGEMENT (6)

DATE

DWG NO. P-9



REIN NO.	Ø (mm)	LENGTH (mm)	NOMINAL WEIGHT	NMB	U WEIGHT	WEIGHT	REMARKS
TYPE-B							
S 1	D 13	4 260	2.235	111	9.585	1056.8	—
2	D 16	7 790	1.552	58	12.899	781.2	—
3	D 13	1 850	0.994	112	1.041	206.2	—
4	"	650	"	10	0.648	6.5	—
5	"	12 720	"	32	12.644	404.6	—
6	"	1 330	"	32	1.372	42.3	—
7	"	1 030	"	185	1.052	204.7	—
TYPE-C							
C 1	D 16	3 680	1.552	122	5.211	634.2	—
2	"	6 260	"	108	9.746	1049.3	—
3	"	5 980	"	18	9.281	167.1	—
4	D 13	12 720	0.994	44	12.644	556.3	—
5	"	520	"	294	0.517	152.0	—
TYPE-D							
D 1	D 13	4 260	2.235	118	9.521	1133.0	—
2	D 16	7 790	1.552	58	12.899	781.2	—
3	D 13	950	0.994	122	0.984	120.0	—
4	"	12 720	"	32	12.644	404.6	—
5	"	1 130	"	203	1.123	228.0	—
TYPE-E							
E 1	D 16	2 200	1.552	48	3.414	163.9	—
2	D 13	4 200	0.994	12	4.175	50.1	—
3	"	1 590	"	12	1.688	19.0	—
TOTAL WEIGHT							
						8063.3	

NOTES:

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FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE : P/U-9, MAJAZ A' SUCHRA RE-BAR ARRANGEMENT (7)
DATE :
DWG NO. P-- 10

