

GOVERNMENT OF PAKISTAN
PORT QASIM AUTHORITY

TENDER AND CONTRACT DOCUMENTS

**FOR CONSTRUCTION OF
IRON-ORE AND COAL BERTH
AND
RELATED FACILITIES**

**VOL IV : DRAWINGS
PART 3 WATER AND OIL SUPPLY AND
FIRE FIGHTING AND POWER SUPPLY**

DECEMBER 1975

JAPAN INTERNATIONAL COOPERATION AGENCY

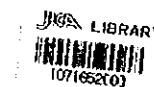
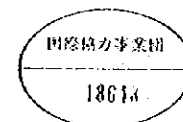
DRAWING LIST

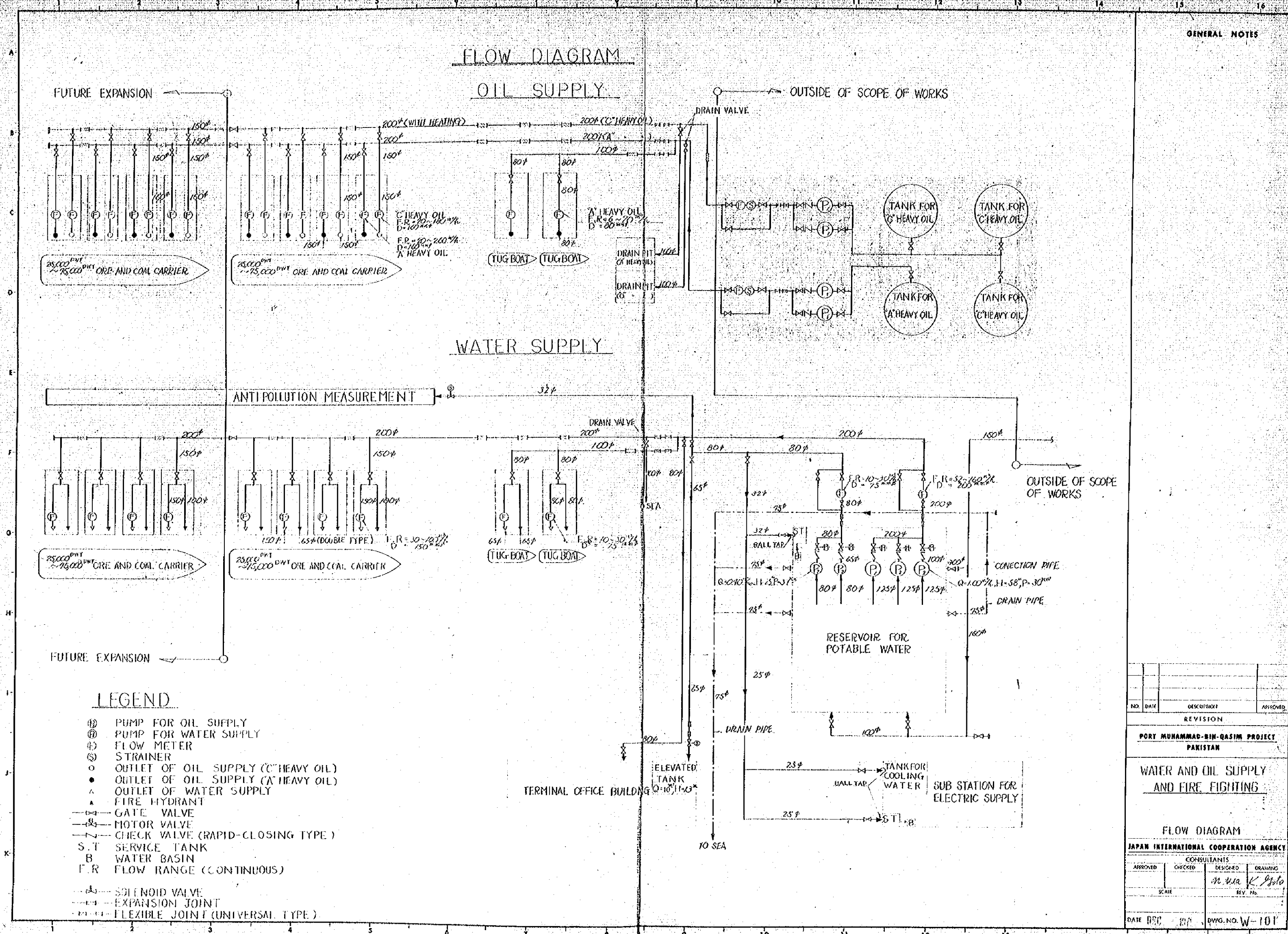
WATER AND OIL SUPPLY AND FIRE FIGHTING

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POWER SUPPLY

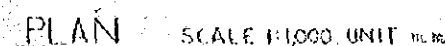
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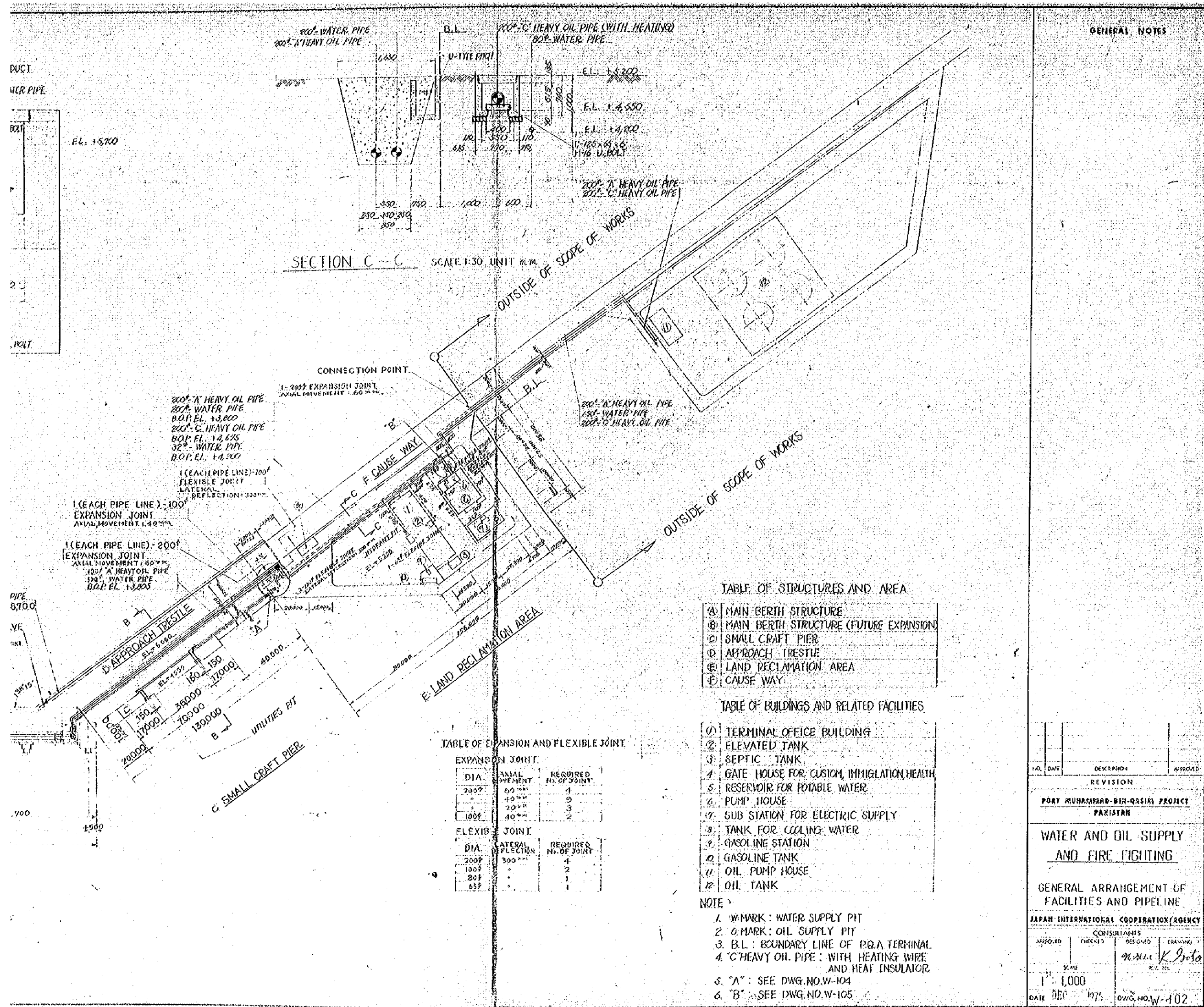




GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
FLOW DIAGRAM			
JAPAN INTERNATIONAL COOPERATION AGENCY			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. A. K.	M. A. K.
SCALE	BY: M. A. K.		
DATE: DEC 1971	DWG. NO. W-101		



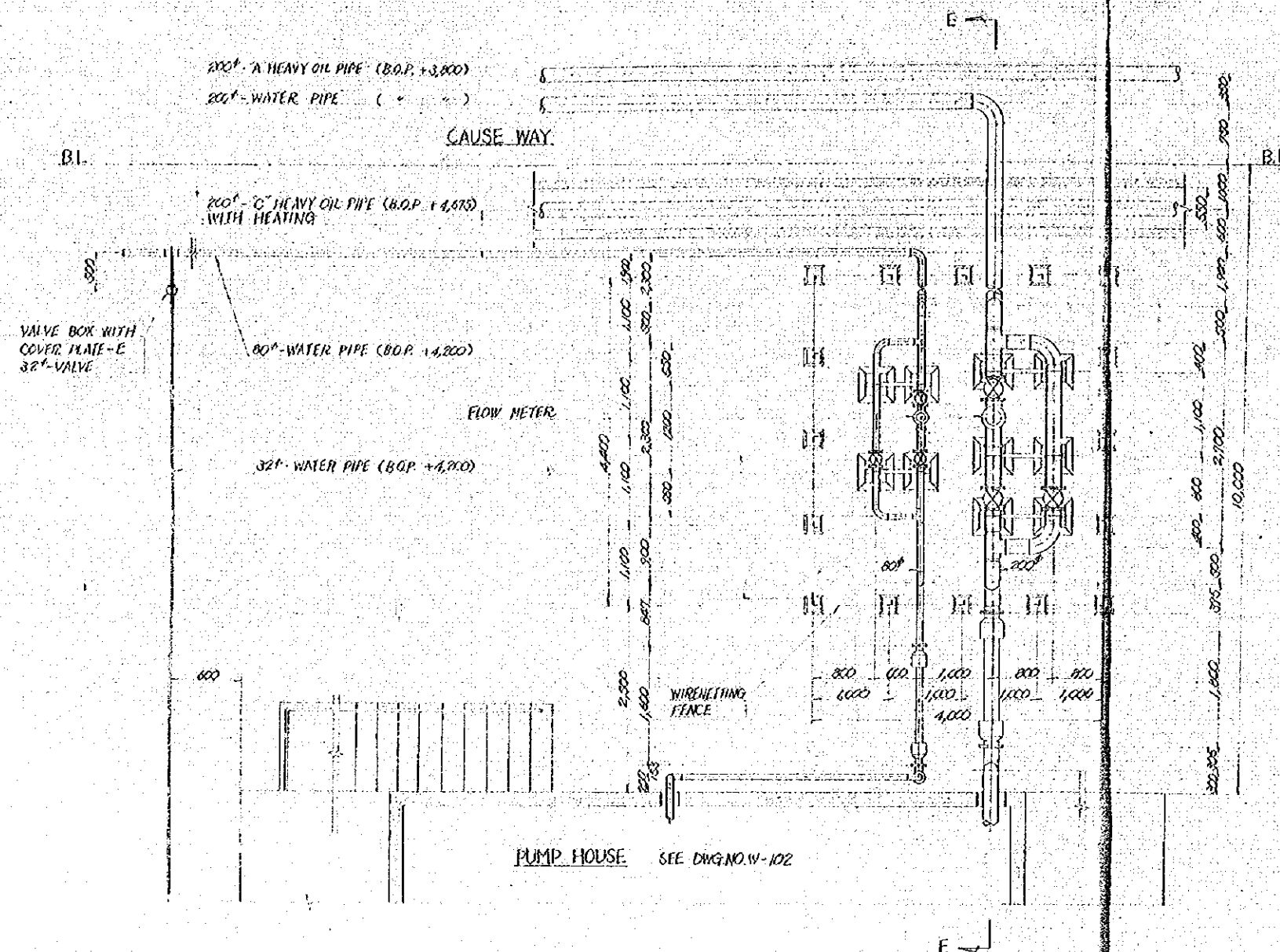


GENERAL NOTES

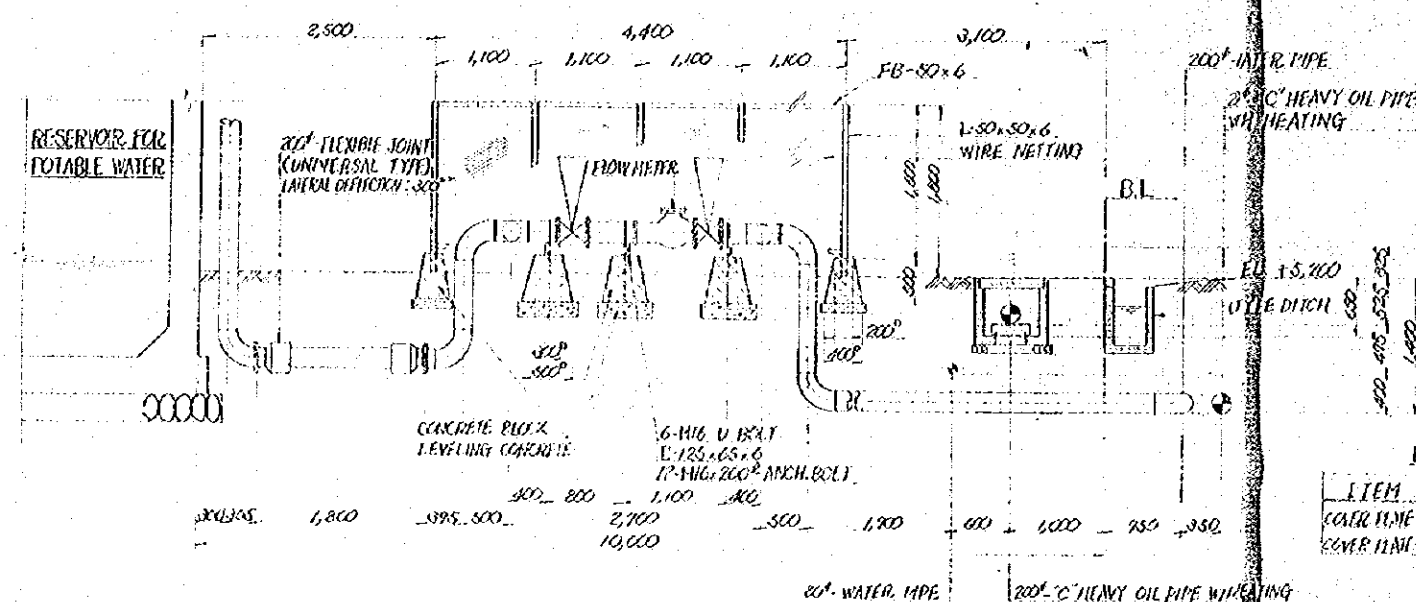
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REVISION			
PORT MUHAMMAD-BIR-QASIM PROJECT			
PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
GENERAL ARRANGEMENT OF FACILITIES AND PIPELINE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
DESIGNED	DRAWN	CHECKED	APPROVED
SCALE 1:1000			
DATE DEC 1971 DWG. NO. W-102			

GENERAL NOTES

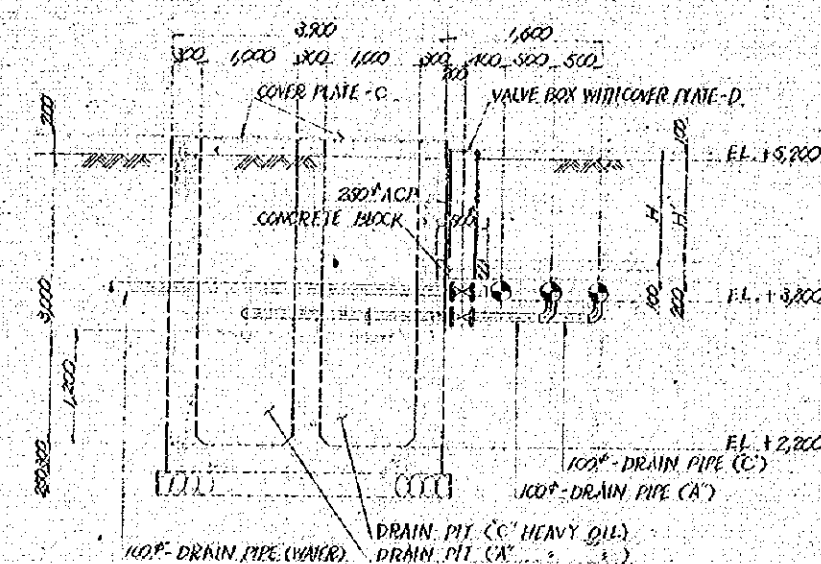
DETAIL "B" SCALE 1:40, UNIT MM
LOCATION OF "B" SHOWN ON DWG. NO. W-102



SECTION E-E SCALE 1:40, UNIT MM



SECTION D-D SCALE 1:40, UNIT MM
SEE DWG. NO. W-104

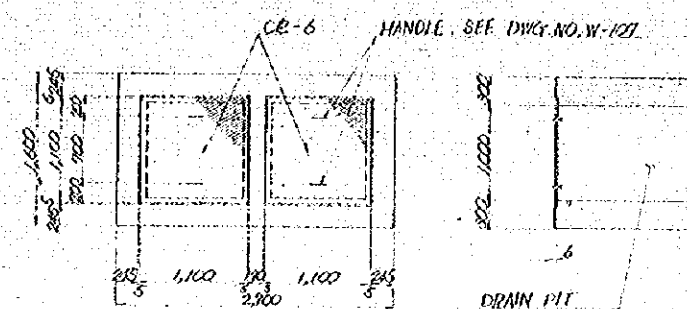


DIMENSIONS OF VALVE BOX

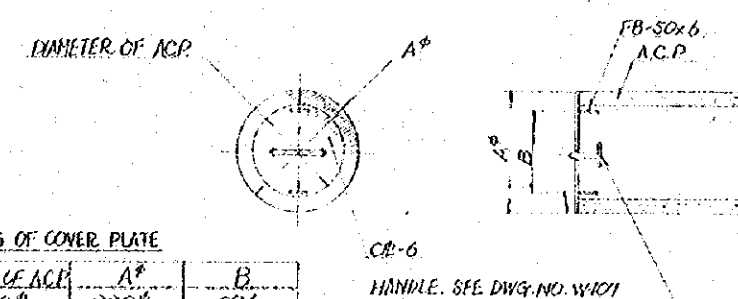
ITEM	DIAMETER OF VALVE	DIAMETER OF A.C.P.	H	H'
A HEAVY OIL PIPE	100"	250"	1,400	1,800
C	100"	250"	1,400	1,800
WATER PIPE	100"	250"	1,100	900
65"	200"	200"	800	500
32"	200"	200"	800	500

NOTE 1. A.C.P. : ASBESTOS CEMENT PIPE
2. BAR ARRANGEMENT OF DRAIN PIT : SEE DWG. NO. W-110

DETAIL OF COVER PLATE-C SCALE 1:40, UNIT MM



DETAIL OF COVER PLATE-D,E SCALE 1:40, UNIT MM



DIMENSIONS OF COVER PLATE

ITEM	DIAMETER OF A.C.P.	A"	B"
COVER PLATE-D	250"	930"	224
COVER PLATE-E	200"	270"	174

NO.	DATE	DESCRIPTION	APPROVED

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

WATER AND OIL SUPPLY
AND FIRE FIGHTING

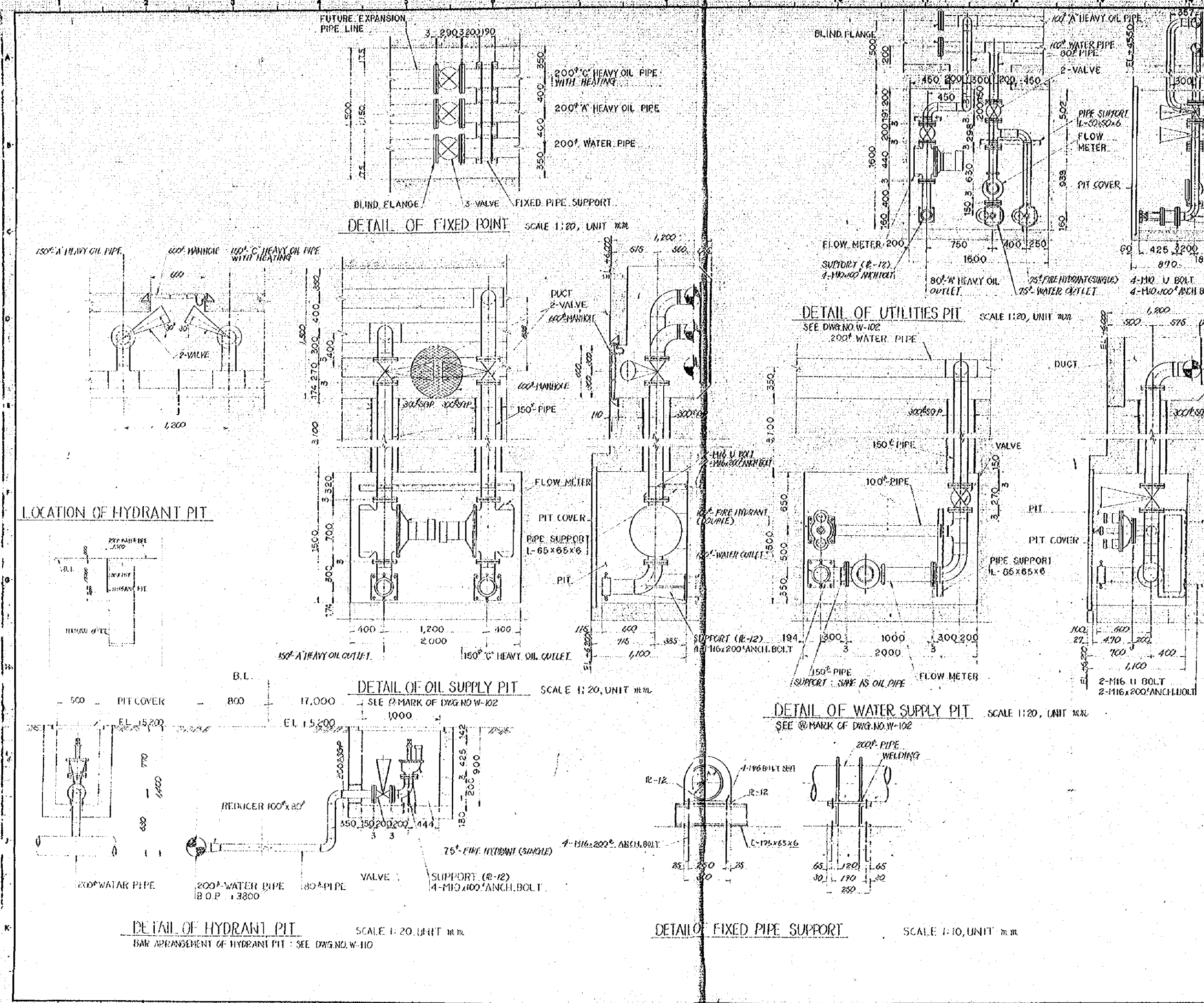
DETAIL OF FLOW METER

JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		N. Aida	K. Saito
			REV. NO.

SCALE
1 : 40

DATE DEC - 1975 DWG. NO. W-105



NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
DETAIL OF PIPELINE AND FITTINGS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS		DRAWING	
APPROVED	CHECKED	DESIGNED	DRAWN
		M. Raza	K. J. J. J.
SCALE		REV. NO.	
1:20			
DATE 28.02.1975		DWG. NO. W-106	

Hand-drawn floor plan of a room with dimensions and labels:

- Overall Dimensions:**
 - Top: 1200
 - Right: 800
 - Bottom: 2090
 - Left: 1590
- Internal Dimensions and Layout:**
 - Top horizontal segments: 520, 190, 330, 495
 - Left vertical segments: 200, 400
 - Right vertical segments: 450, 425
 - Bottom horizontal segments: 400, 800, 750, 450
- Labels:**
 - COVER PLATE
 - CIR-0
 - HANDLE
 - FRAME
 - 150 x 50 x 6

COVER PLATE

Technical drawing of a cover plate with dimensions: 600 (width), 500 (height), and 2090 (length). A handle is indicated on the left side. The drawing shows a rectangular plate with a handle on the left and a small rectangular feature on the right. Dimensions are marked with arrows and numbers.

Technical drawing of a U-bolter assembly. The drawing shows a U-bolter with a 16" height and a 50" width. The base is labeled "WELDING" and the top is labeled "COVER PLATE CR. 6". A dimension of 150 is shown at the bottom. A label "2.20" HOLE" points to a hole in the top plate.

50

100

23

9

56

1.50 x 50 x 6

ANCHOR 9° x 100 L
PITCH = 300

COVER PLATE

1000
100 300 140 300 550

1000
100 300 600 400

HANDLE

340 400 550

650

1670

511.6

Architectural drawing of a window frame. The drawing shows a rectangular frame with internal muntins. Dimensions are provided in feet and inches (').

Top Dimensions:

- Overall width: 5'25"
- Segment 1: 3'50"
- Segment 2: 3'70"
- Segment 3: 3'50"
- Segment 4: 5'25"

Left Dimensions:

- Overall height: 5'00"
- Segment 1: 3'00"
- Segment 2: 3'65"

Right Dimensions:

- Overall height: 5'00"
- Segment 1: 1'50"
- Segment 2: 3'50"
- Segment 3: 1'50"

Bottom Dimensions:

- Overall width: 16'70"
- Segment 1: 4'25"
- Segment 2: 2'70"
- Segment 3: 4'50"
- Segment 4: 5'25"

Bottom Right Note: 150" x 50"

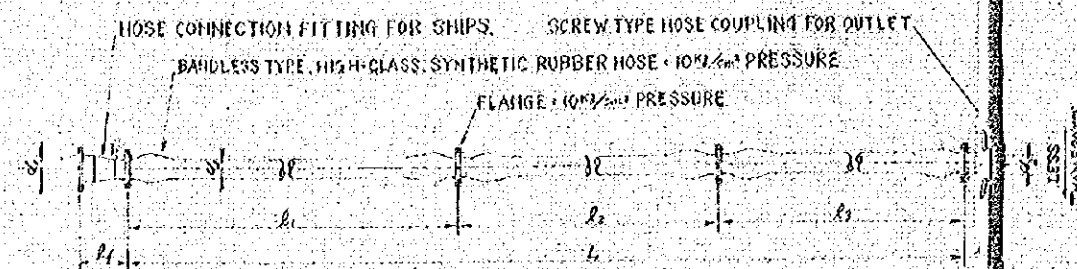
Technical drawing of a vertical assembly. The drawing shows a central vertical component with a handle at the top, a cover plate in the middle, and a frame at the bottom. Dimensions are indicated on the right side: 50, 54, 50, and 54. Labels include: HANDLE, COVER PLATE C.R.-6, FRAME L50x30x6, 50, 54, 50, and 54.

SECTION a-a

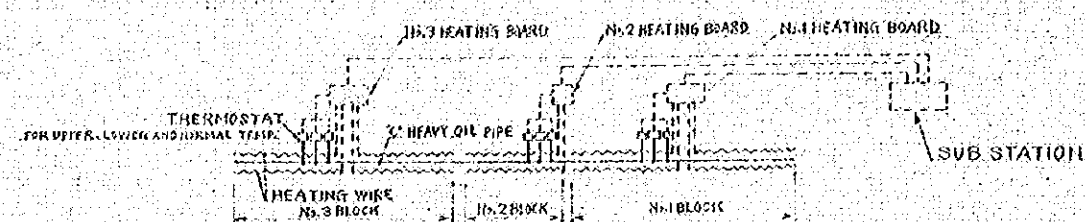
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
DETAIL OF PIT COVERS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		Al. Hana	K. Ito
SCALE		REV. NO.	
1 : 20			
DATE DEC - 1975		DWG. NO. W-107	

GENERAL NOTES

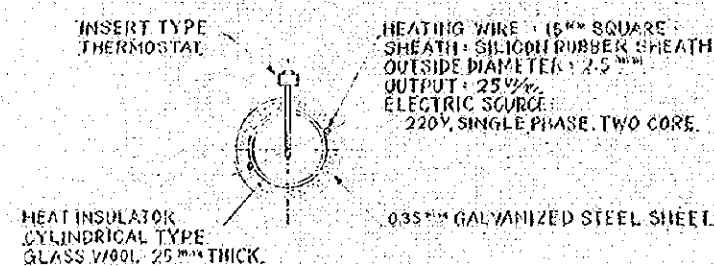
RUBBER HOSE FOR HEAVY OIL AND WATER SUPPLY FOR SHIPS. NO SCALE, UNIT M/M



LIQUID TEMPERATURE
WATER AND HEAVY OIL: NORMAL TEMPERATURE
C HEAVY OIL: MAXIMUM 50°C



SYSTEMATIC DIAGRAM OF HEATING FOR C HEAVY OIL PIPE NO SCALE



SECTION OF C HEAVY OIL PIPE NO SCALE, UNIT M/M
(HEATING, INSULATION AND COVERING)

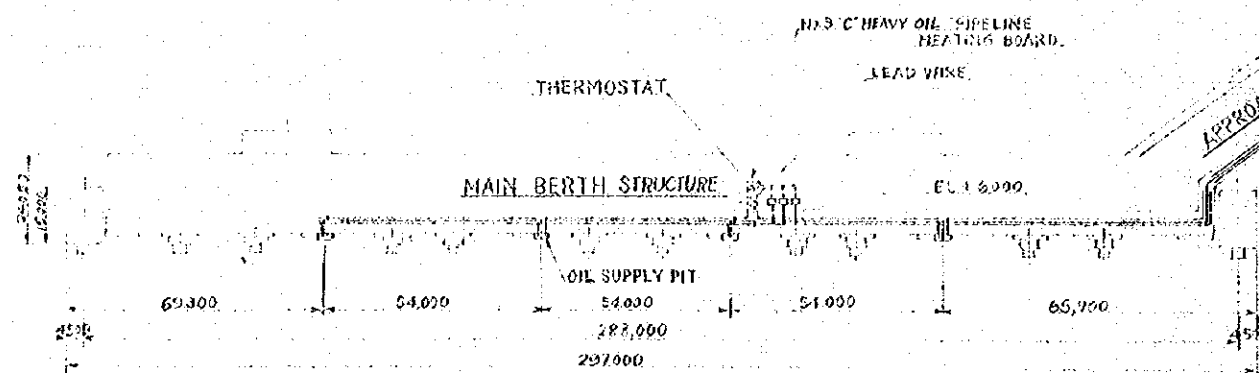
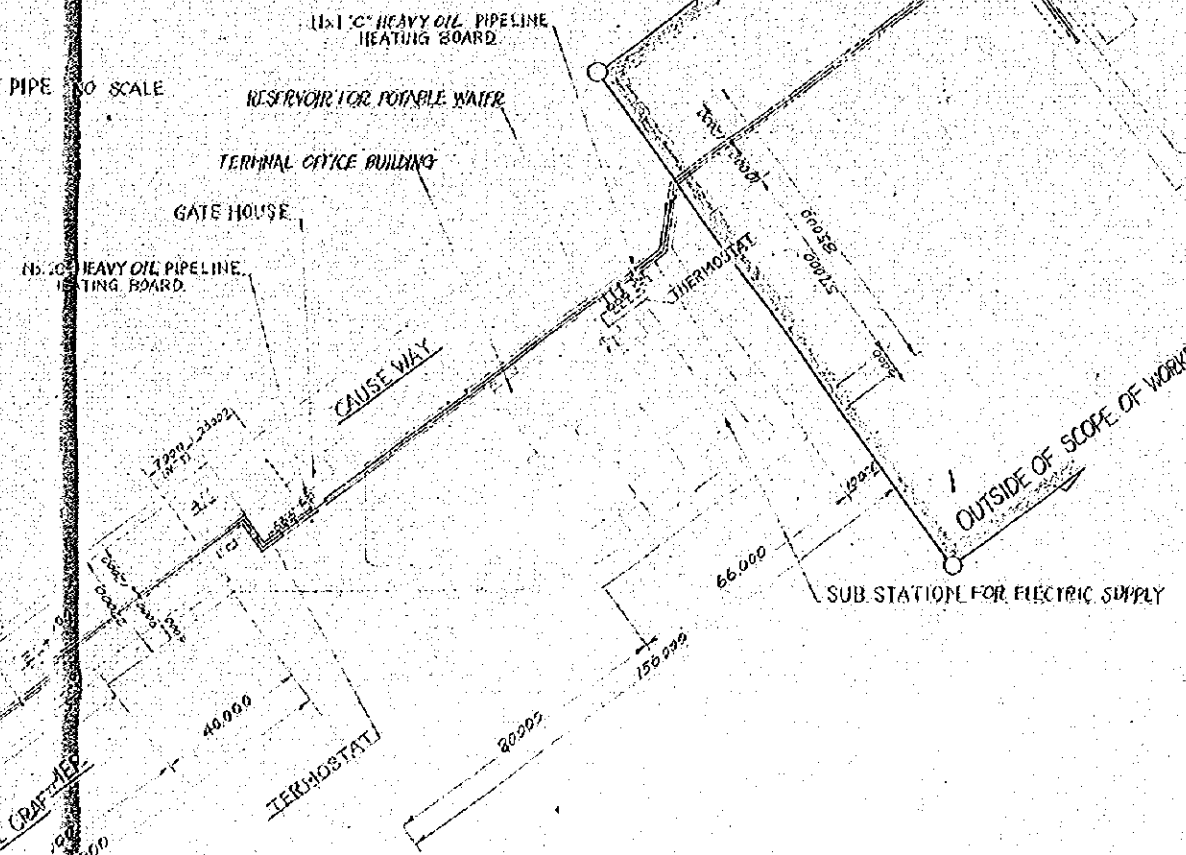


TABLE OF RUBBER HOSE

SYMBOL	MAIN BERTH	SMALL BERTH
d ₁	200f	200f
d ₂	150f	150f
l ₁	20m	20m
l ₂	10m	10m
L	40m	20m
REQUIRED NO. OF HOSE	2 sets	2 sets
l ₁	100m	300m
l ₂	300m	250m
MATERIAL OF RUBBER HOSE	FOR HEAVY OIL	FOR WATER



NOTE:
DETAIL OF BOARDS AND LEAD WIRE: SEE DRAWING

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING RUBBER HOSE AND HEATING AND INSULATION FOR C HEAVY OIL PIPELINE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. M. A.	K. J. A.
SCALE		REV. NO.	
DATE DEC 1975		DWG. NO. W-108	

GASOLINE STATION FACILITIES

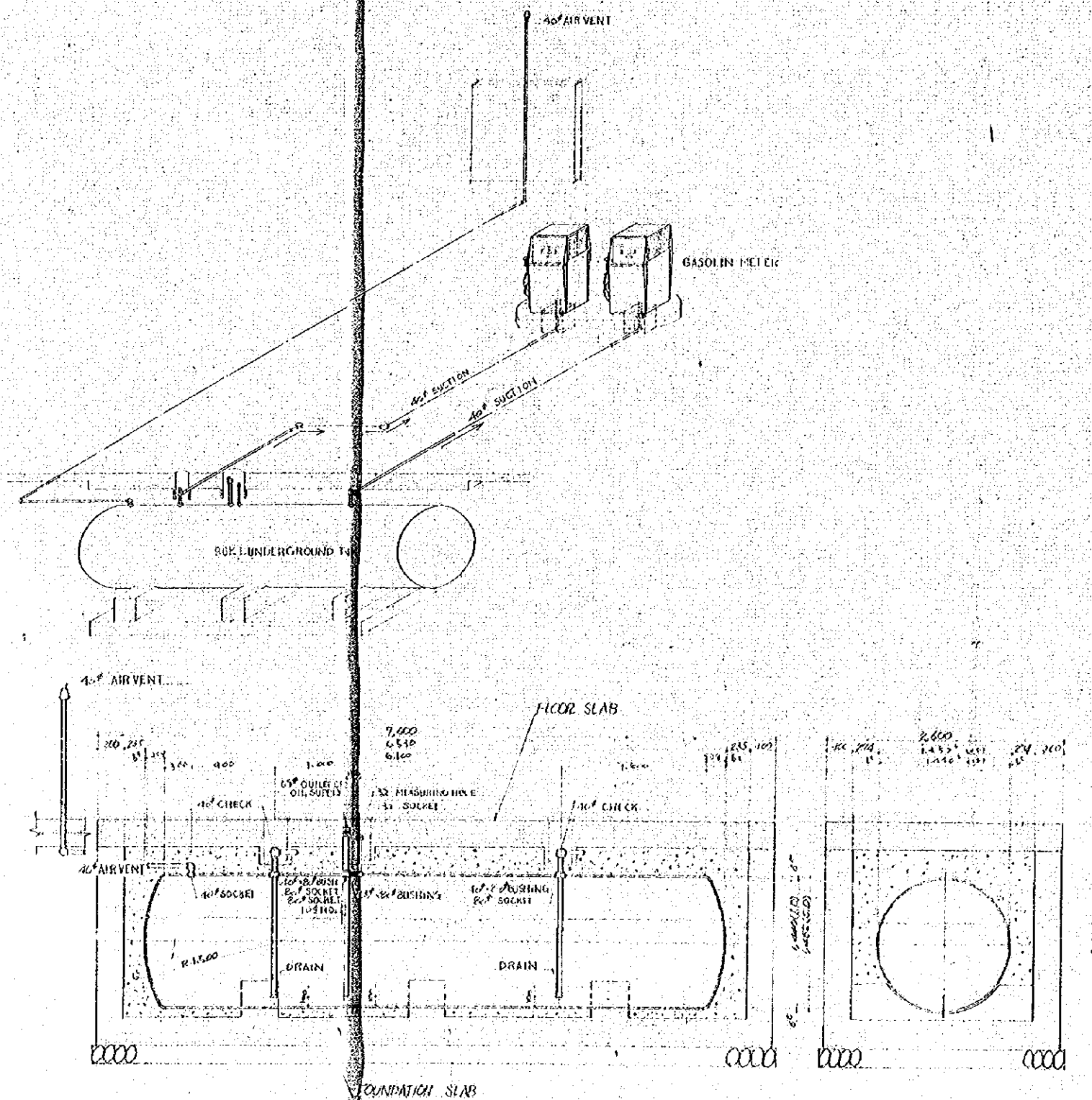
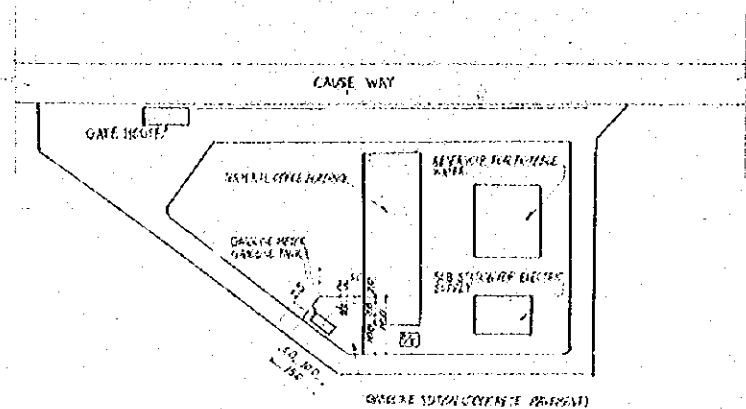
SCALE 1:30, UNIT M.M.

GENERAL SPECIFICATIONS.

1. GASOLINE MEIER.
TYPE : KEY OPERATION TYPE
No. OF KEY : 96
SIZE (APPROXIMATE)
HEIGHT : 1,200^{mm}
WIDTH : 700^{mm}
DEPTH : 500^{mm}
2. GASOLINE TANK
TYPE : HORIZONTAL
UNDERGROUND TYPE
CAPACITY : 9,600^l
3. FIRE EXTINGUISHER.
TYPE : DRY CHEMICAL
CAPACITY : 35^{kg}
SET : 2

LOCATION OF GASOLIN STATION

SCALE 1:1000, UNIT M.



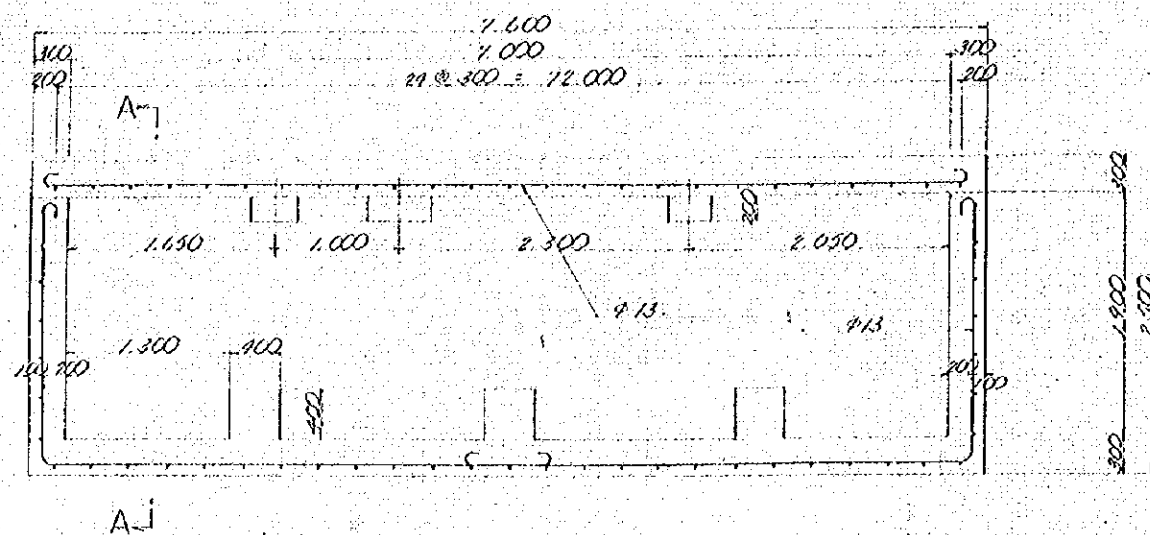
NOTE

BAR ARRANGEMENT OF FLOOR AND FOUNDATION SLAB : SEE DWG. NO. W-110

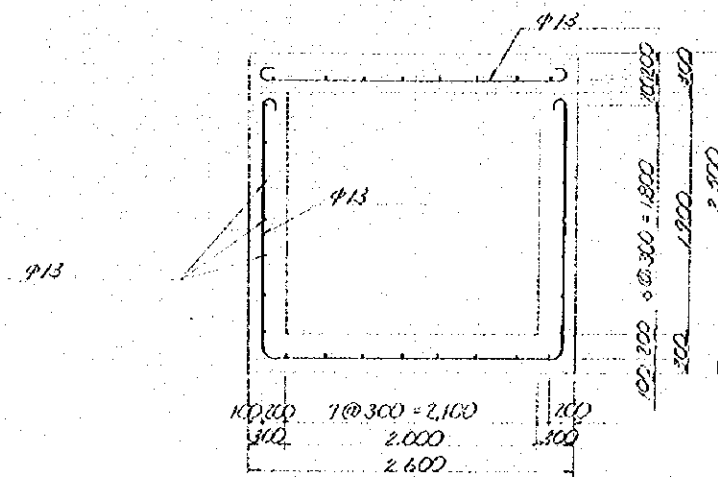
GENERAL NOTES

NO.	DATE	REVISION	APPROVED
PORT MUHAMMAD-SIN-QASIM PROJECT			
PAKISTAN			
WATER AND OIL SUPPLY			
AND FIRE FIGHTING			
FACILITIES AND DETAIL OF			
GASOLINE TANK			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE	REV. NO.		
1:30			
DATE 10.10.1975	DWG. NO. W-109		

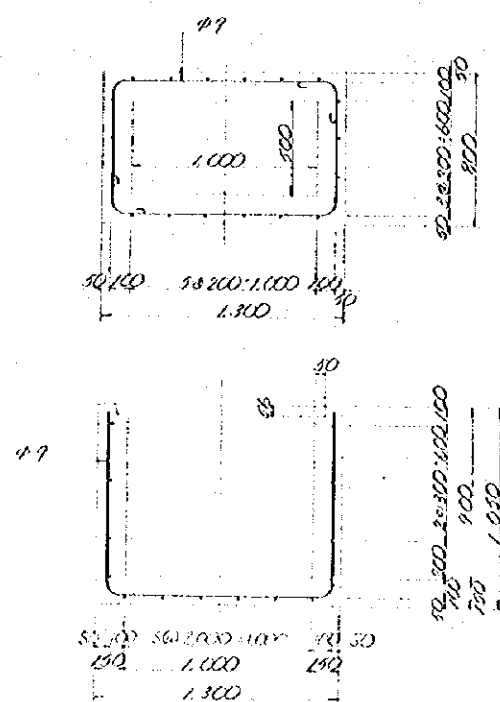
BAR ARRANGEMENT OF FLOOR AND FOUNDATION SLAB OF GASOLINE TANK SCALE 1:80, UNIT mm



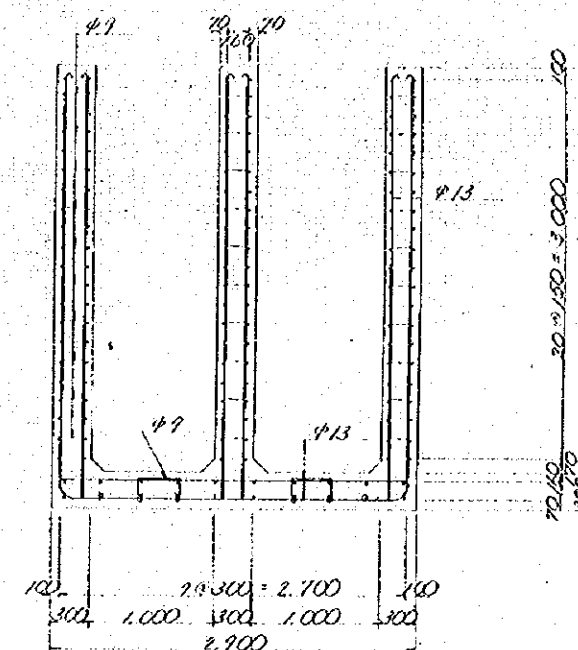
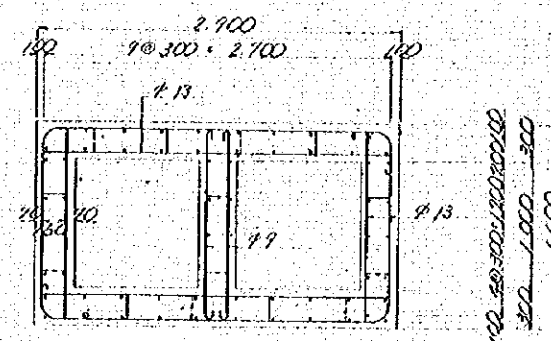
SECTION A-A SCALE 1:30, UNIT mm



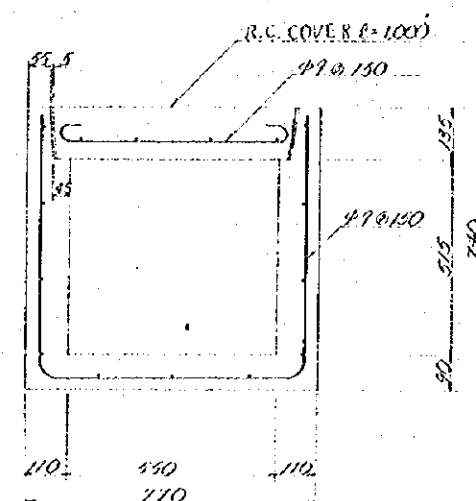
BAR ARRANGEMENT OF HYDRANT PIT SCALE 1:20, UNIT mm



BAR ARRANGEMENT OF DRAIN PIT SCALE 1:30, UNIT mm



BAR ARRANGEMENT OF DUCT FOR 'C' HEAVY OIL PIPE SCALE 1:10, UNIT mm

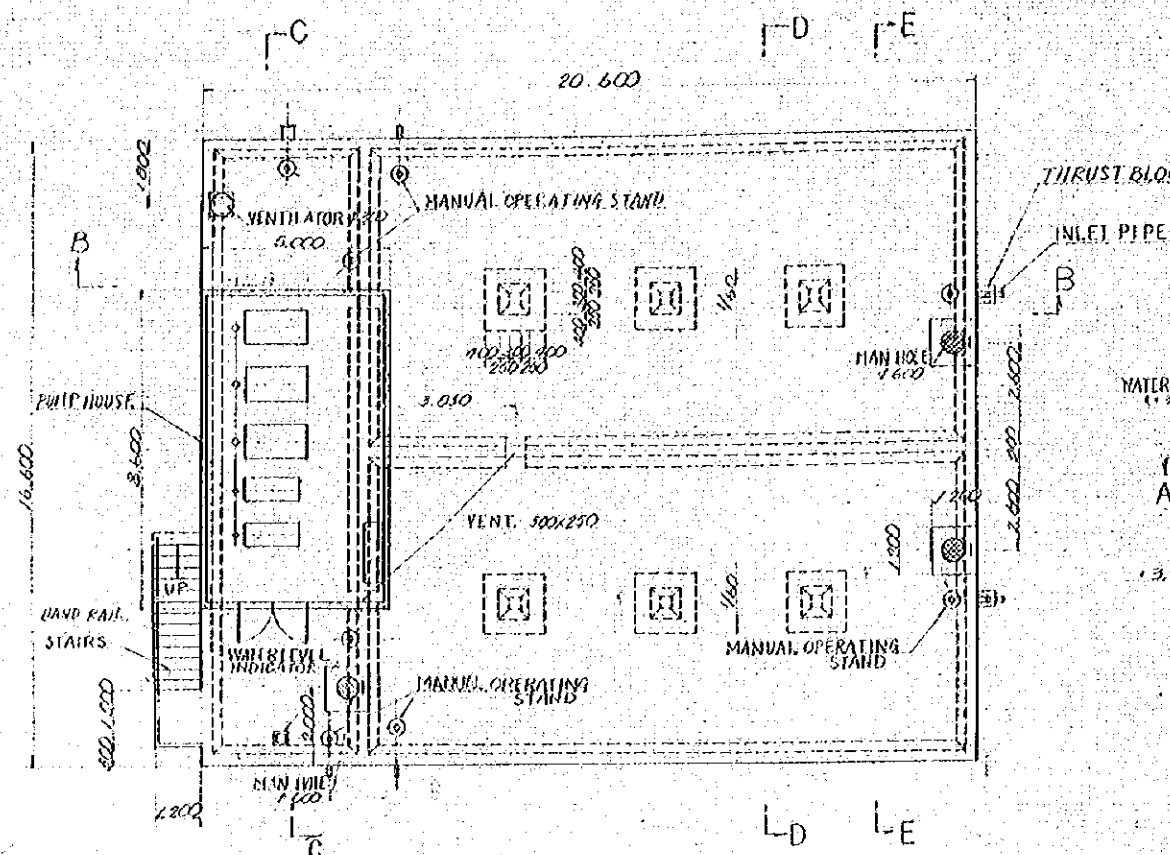


GENERAL NOTES

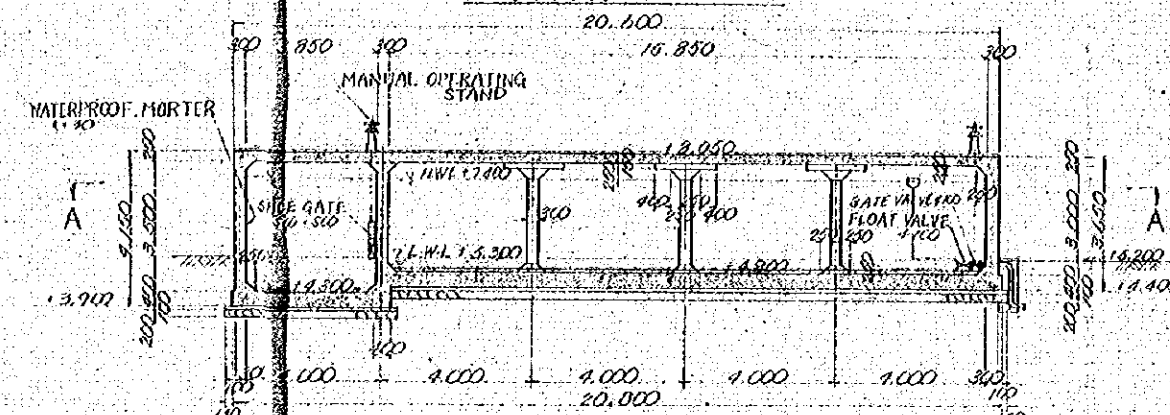
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
BAR ARRANGEMENTS OF PITS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. A. K.	K. H. K.
SCALE		REV. NO.	
1:30			
DATE DEC 1975		DWG. NO. W-110	

GENERAL PLAN SCALE 1/50

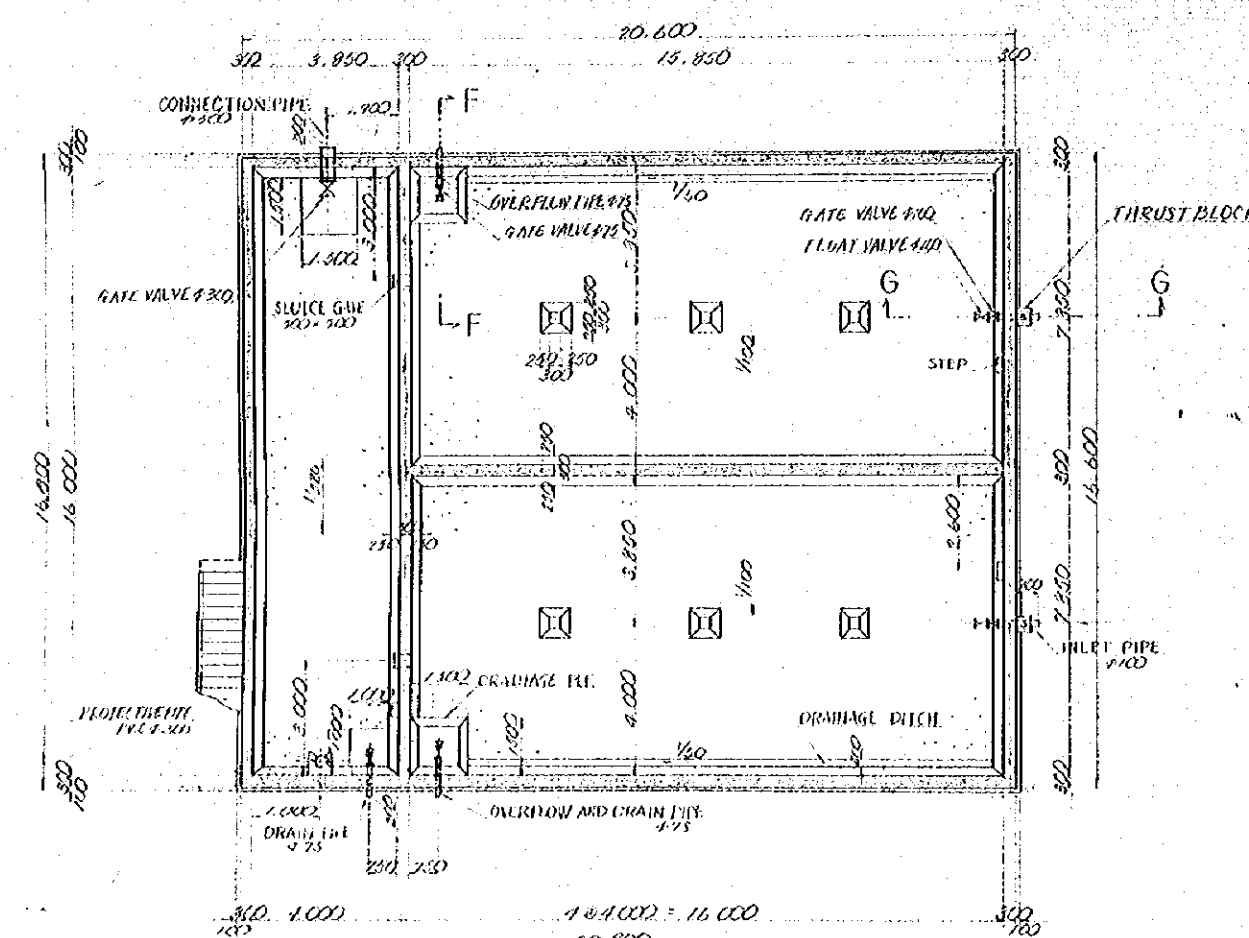
PLAN



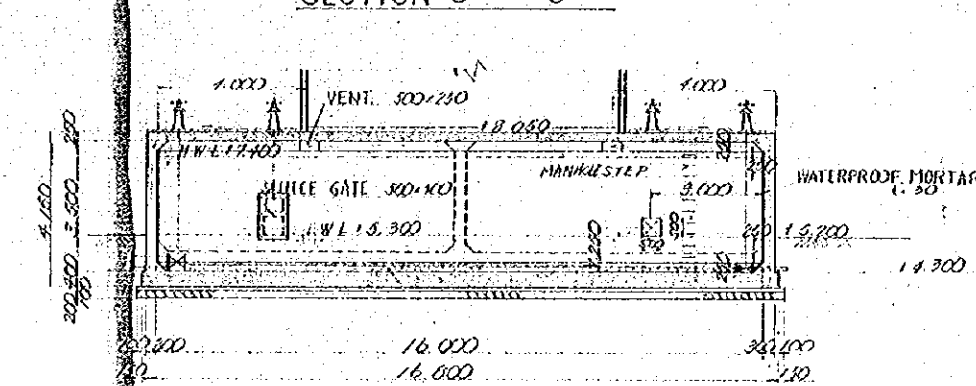
SECTION B-B



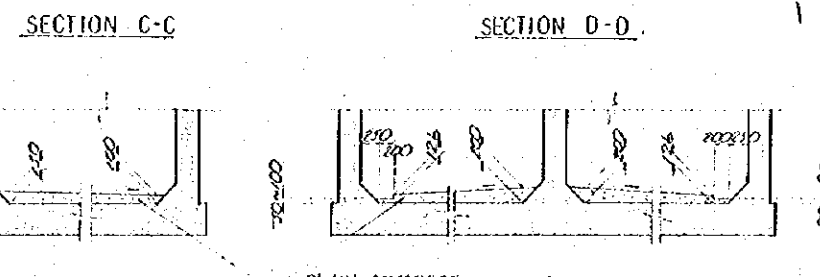
SECTION A-A



SECTION C-C



DRAIN SCALE 1/50



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT			
PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
GENERAL PLAN NO.1			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. H. H.	K. Syto
SCALE			
1 : 100			
DATE DEC. 1975			
DWG. NO. W-112			

[illegible]

Architectural drawings of a staircase and handrail.

The top drawing is a side elevation of the staircase. It shows a handrail with a sloped length of 5.48 1/4. The horizontal run is 4.200, and the vertical rise is 1.000. The total width of the staircase is 5.700. The handrail is shown with a top rail and a bottom rail, with balusters in between. The dimensions are labeled as follows:

- Top width: 5.700
- Horizontal run: 4.200
- Vertical rise: 1.000
- Sloped length: 5.48 1/4
- Handrail top rail: 1.500
- Handrail bottom rail: 1.500

The bottom drawing is a plan view of the handrail. It shows a handrail with a length of 4.200 and a width of 1.500. The word "HANDRAIL" is written above the plan view. The dimensions are labeled as follows:

- Length: 4.200
- Width: 1.500

[illegible]

600 MANHOLE DUCTILE CAST IRON COVER (WATERPROOF TYPE)

1,200

300 600 300

ANCHOR BAR #16 @ 4' @ 80"

HWL 12,900

800

200

STEP #22

LWL 13,900

800 (250) 800 (250) 800 (250)

NO.	DATE	DESCRIPTION	APPROV.
- REVISION			
PORT MUHAMMAD-BIN-GASIM PROJECT			
PAKISTAN			
WATER AND OIL SUPPLY			
AND FIRE FIGHTING			
GENERAL PLAN			
NO.2			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		AT. KHA	K. Jyo
SCALE		REV. No.	
1:50		1:100	
DATE	5/10/57	DWG. NO.	W-113

[illegible][illegible][illegible][illegible]

SC

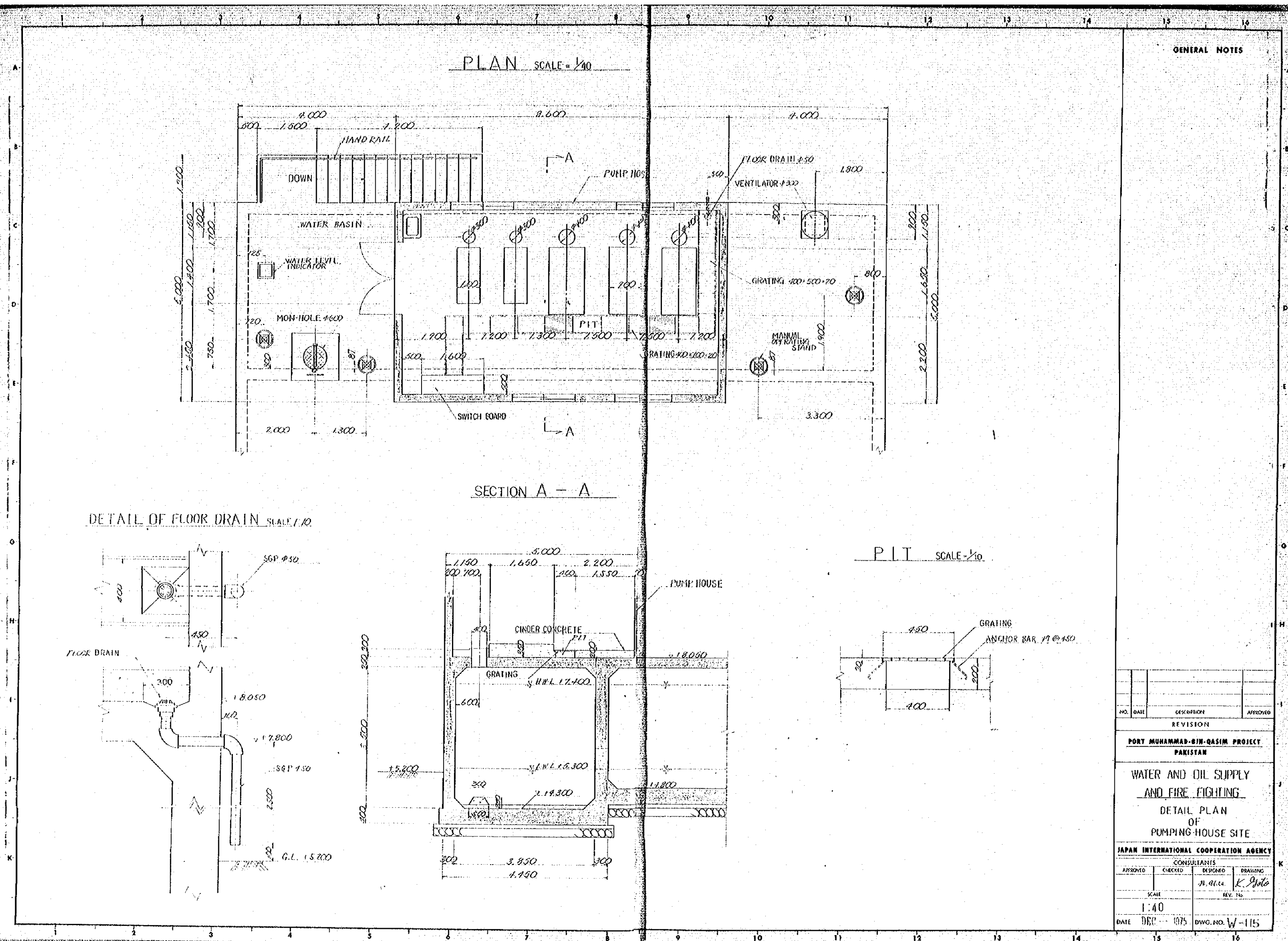


SC



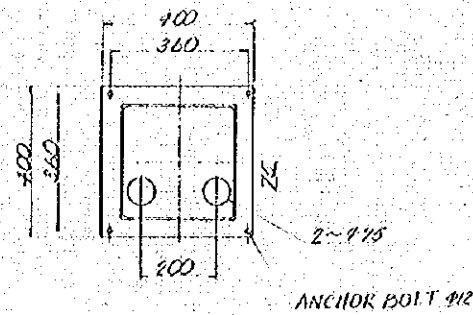
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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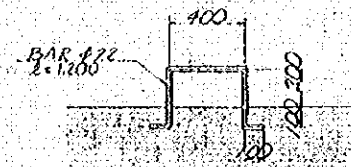


DETAIL OF WATER LEVEL INDICATOR SCALE: 1/20

PLAN SCALE: 1/10

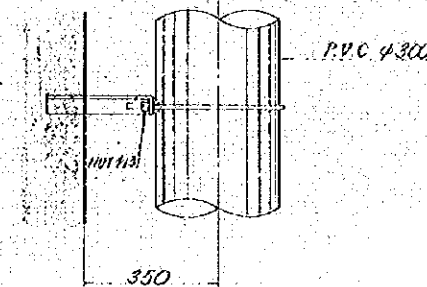
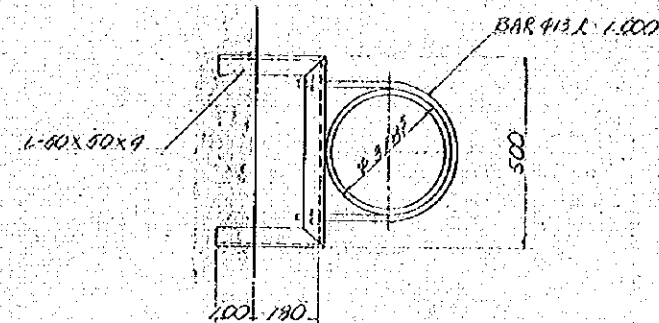


MANHOLE STEP SCALE: 1/20

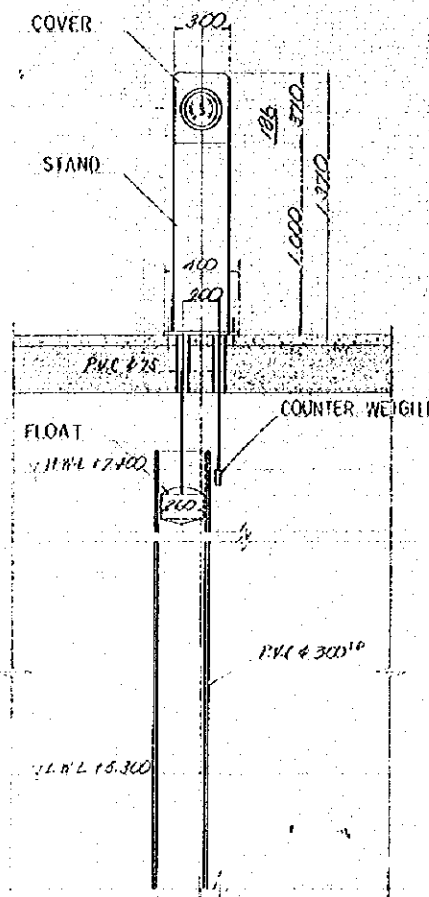
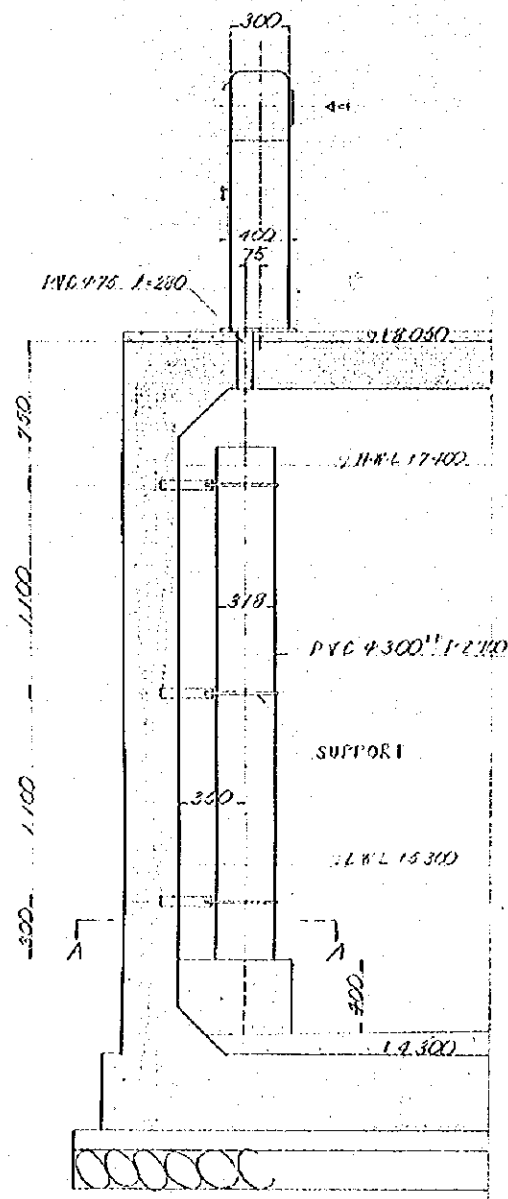
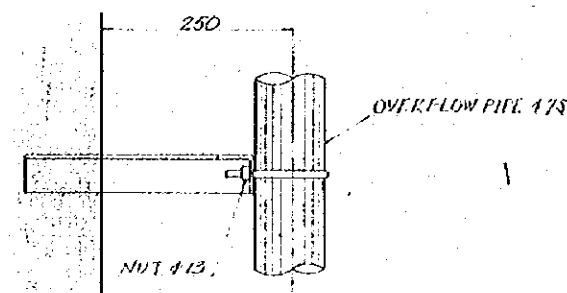
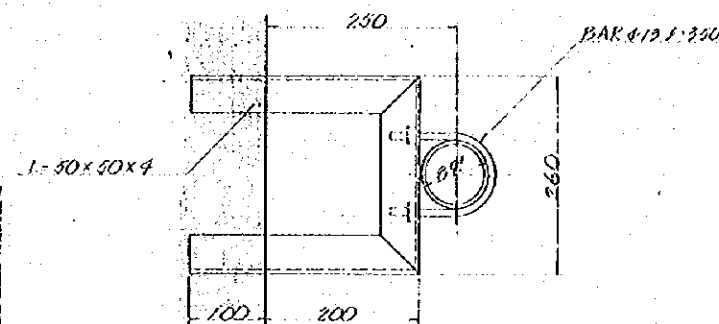


SUPPORT

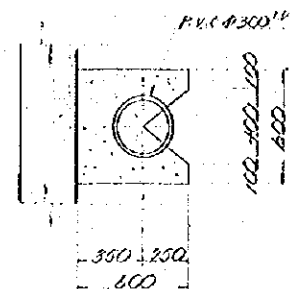
PIPE PROTECTION FOR FLOAT SCALE: 1/10



FOR OVERFLOW PIPE SCALE: 1/5



A-A



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT			
PAKISTAN			
WATER AND OIL SUPPLY			
AND FIRE FIGHTING			
DETAIL OF ACCESSORIES			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. H. L.	K. H. L.
SCALE		REV. No.	
1:30			
DATE DEC. 1975		DWG. NO. W-110	

GENERAL NOTES

SECTION A-A s-1/5
EDGE STRIP

SECTION C-C s-1/10

SECTION B-B s-1/5
MIDDLE STRIP

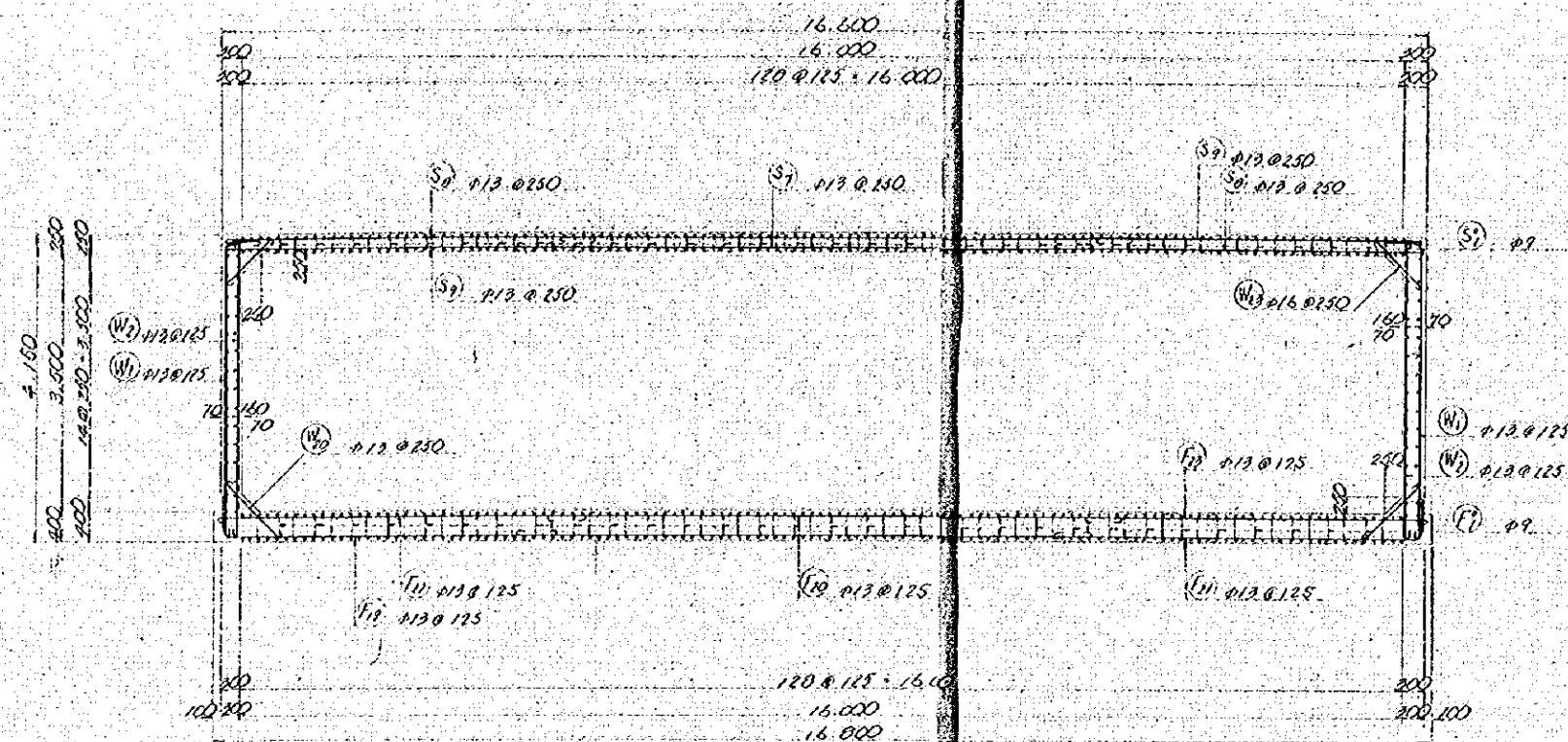
KEY PLAN

NOTE
(M.S) : MIDDLE STRIP
(E.S) : EDGE STRIP

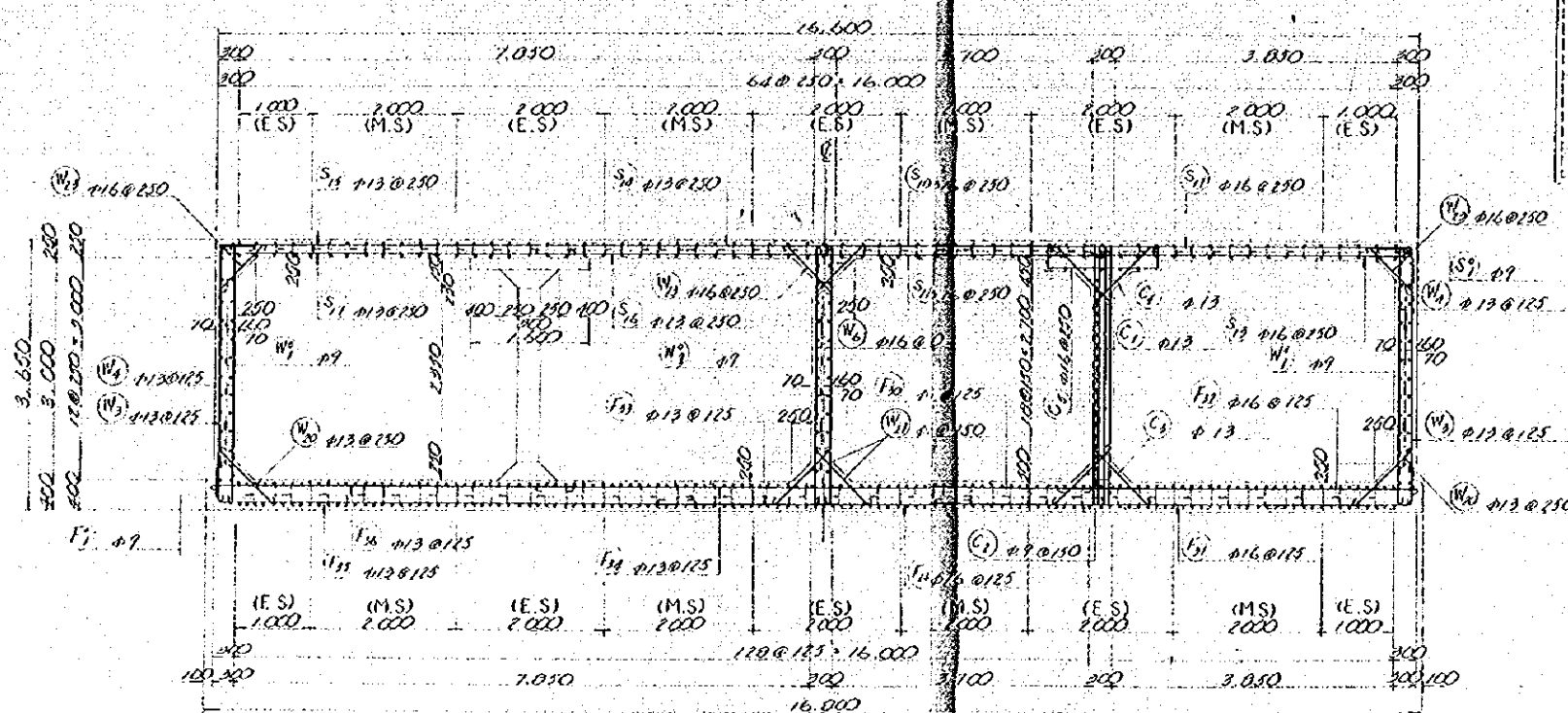
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING DETAIL OF STRUCTURE NO.1			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS		DESIGNED	DRAWN
APPROVED	CHECKED	AL-MAHA	K. Hata
SCALE		REV. NO.	
1:50			
DATE DEC 1975		DWG. NO. W-117	

GENERAL NOTES

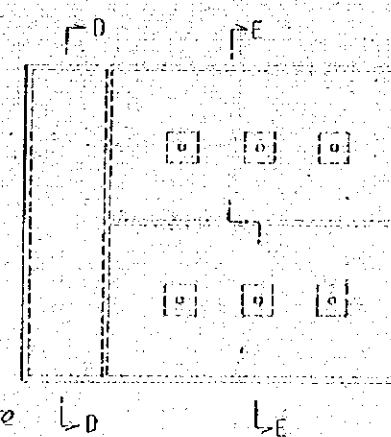
SECTION D-D $s = 1/50$



SECTION E-E $s = 1/50$



KEY PLAN



NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
DETAIL OF STRUCTURE NO.2			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. A. K.	K. Goto
SCALE		REV. NO.	
1:50			
DATE 05-11-1975		DWG. NO. W-118	

Technical drawing of a stepped roof structure. The drawing shows a series of steps on a sloped roof. Key dimensions and annotations include:

- Overall width: 150' 0" = 1500"
- Overall height: 4' 200"
- Horizontal dimensions: 14 @ 3' 00" = 42' 00"
- Vertical dimensions: 1500, 500, 1500, 500, 1500, 500
- Annotations: $K_1 \phi 13 @ 150$, $K_2 \phi 13 @ 250$, $K_3 \phi 13 @ 250$, $K_4 \phi 13 @ 250$, $K_5 \phi 13 @ 250$, $K_6 \phi 13 @ 250$, $K_7 \phi 9$, $K_8 \phi 9$, $K_9 \phi 16$

Hand-drawn technical sketch of a corner structure, possibly a foundation or wall corner, showing dimensions and reinforcement details.

Dimensions:

- Vertical section (left): 10' 0" (total height), 10' 0" (height of main section), 10' 0" (height of lower section).
- Horizontal section (bottom): 10' 0" (total width), 10' 0" (width of main section), 10' 0" (width of lower section).
- Diagonal dimensions: 10' 0" (vertical), 10' 0" (horizontal), 10' 0" (diagonal).

Reinforcement Details:

- Vertical section (left):
 - Top: $N_1 \#3 @ 12"$
 - Bottom: $N_2 \#3 @ 12"$
- Horizontal section (bottom):
 - Left: $N_1 \#3 @ 12"$
 - Right: $N_2 \#3 @ 12"$

Notes:

- See 115

60-156
LF

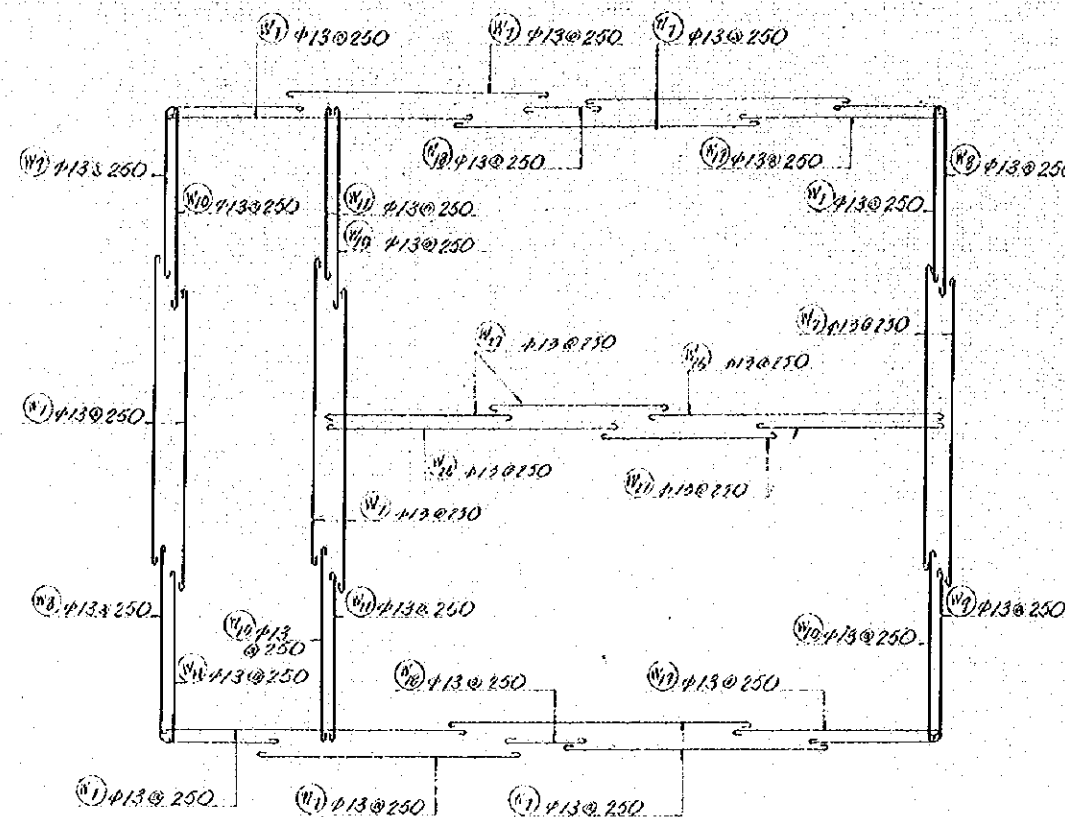
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
DETAIL OF STRUCTURE NO.3			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		<i>mama</i>	<i>K. Goto</i>
SCALE		REV. No.	
1:50			
DATE	DEC 1975		DWG. NO. W-119

WATER AND OIL SUPPLY
AND FIRE FIGHTING
DETAIL
OF
STRUCTURE NO.3

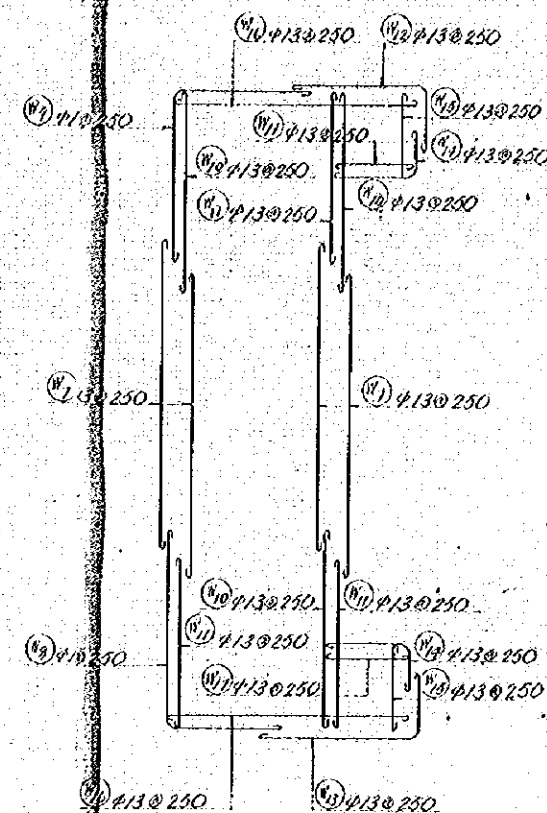
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. H. H.	K. J. J.
SCALE		REV. 1/6	
1:50			
DATE	DEC. 1975	DWG. NO. W-119	

BAR ARRANGEMENT

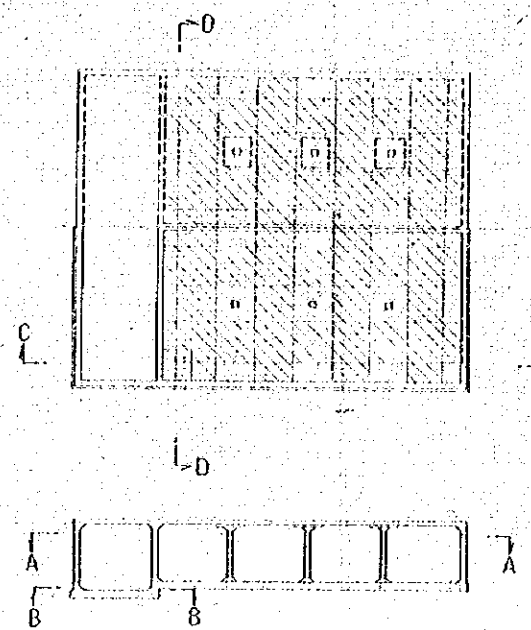
SECTION A - A



SECTION B - B

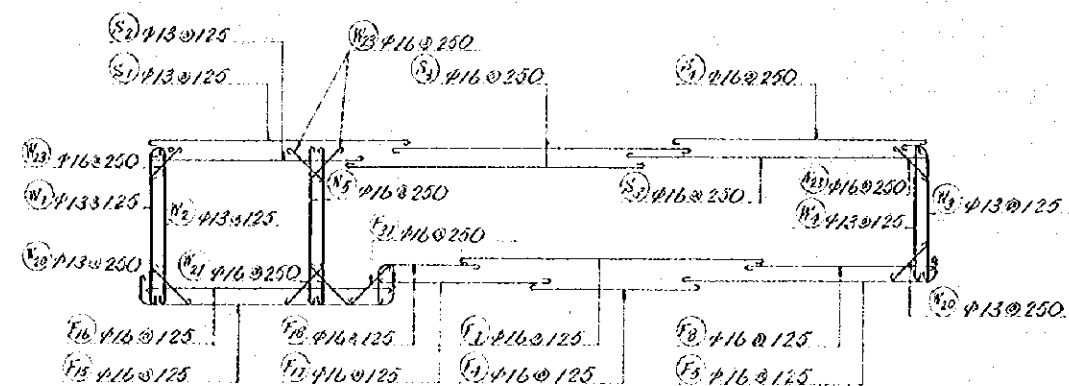


KEY PLAN

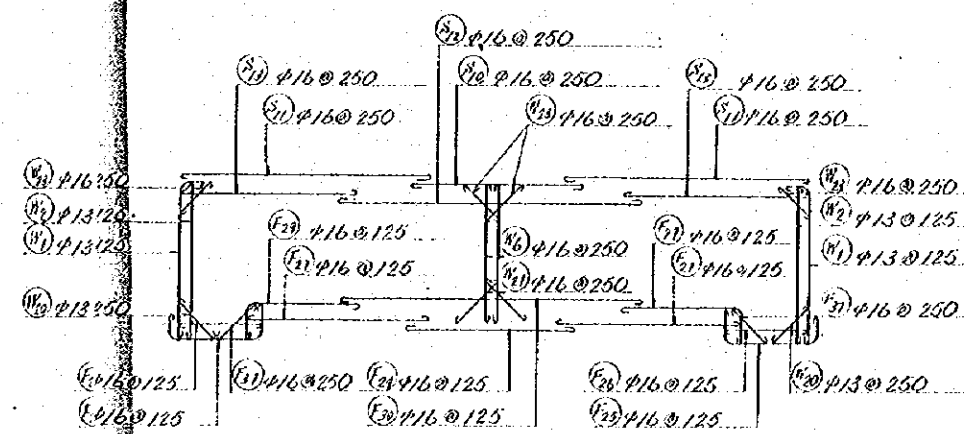


EDGE STRIP
MIDDLE STRIP

SECTION C - C

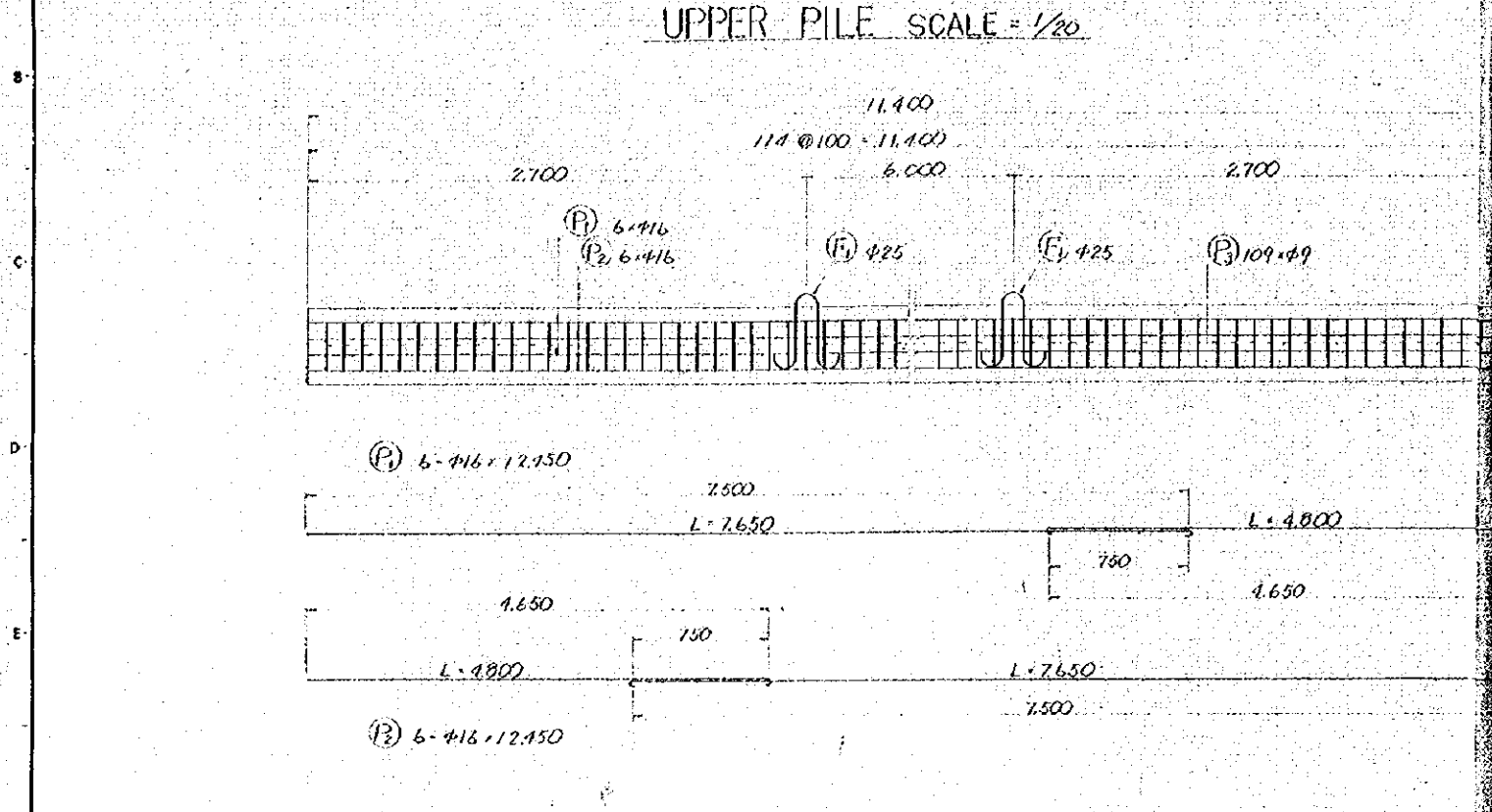


SECTION D - D

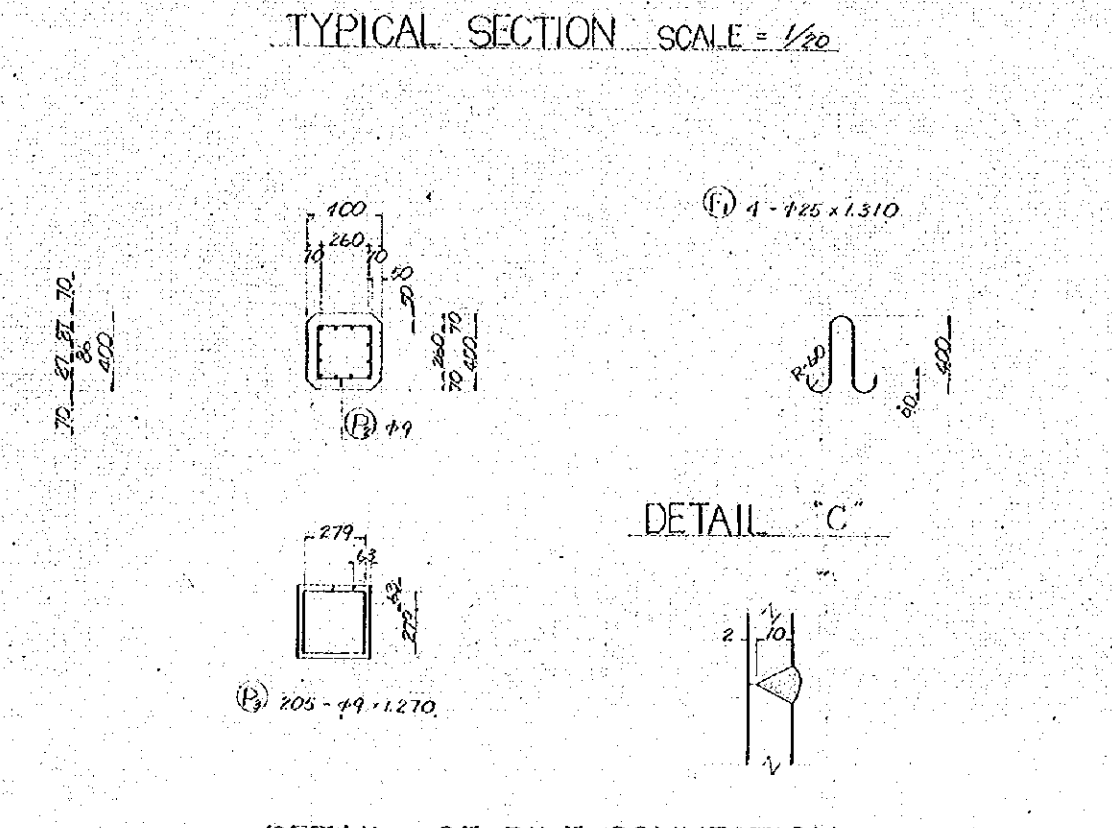
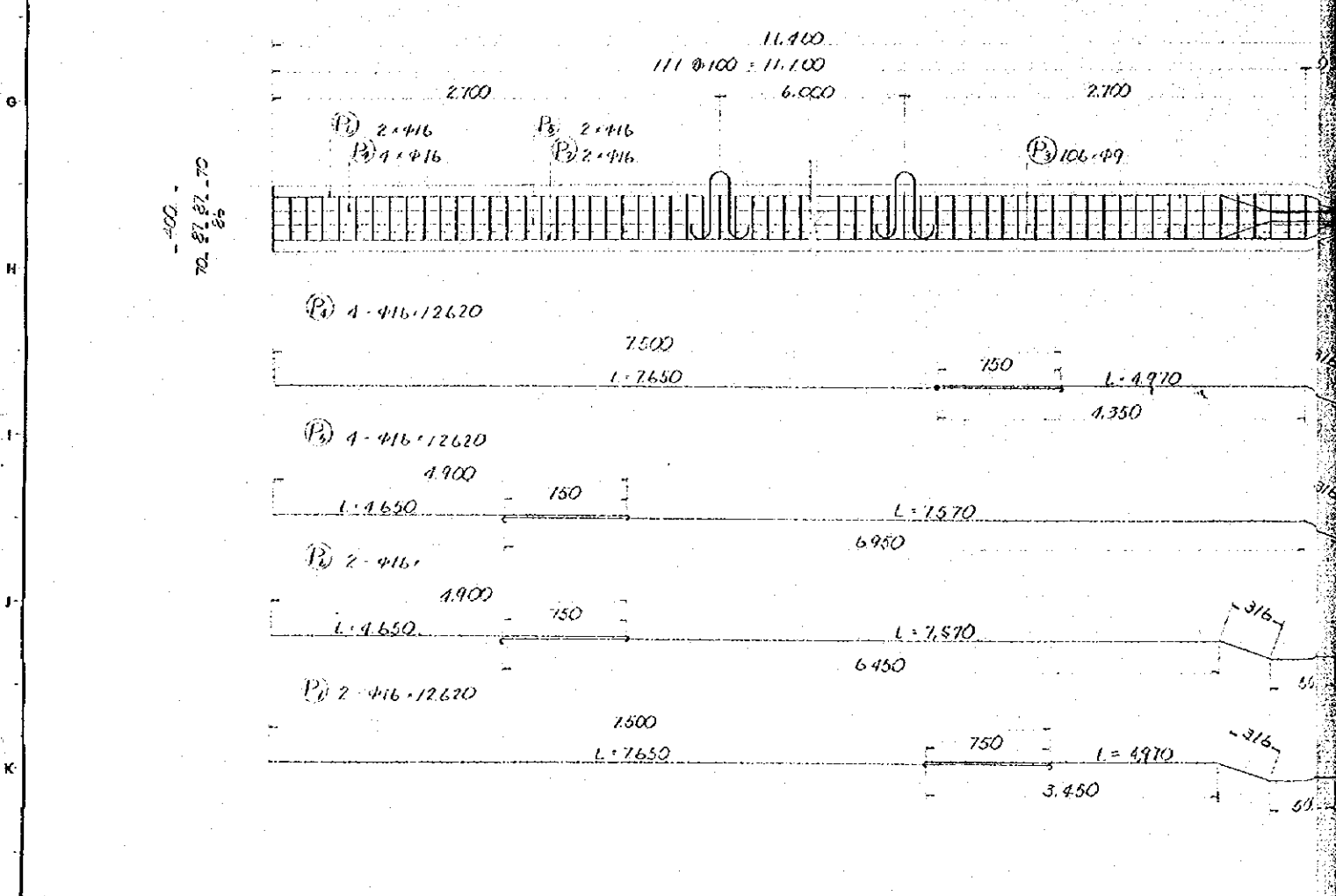


GENERAL NOTES

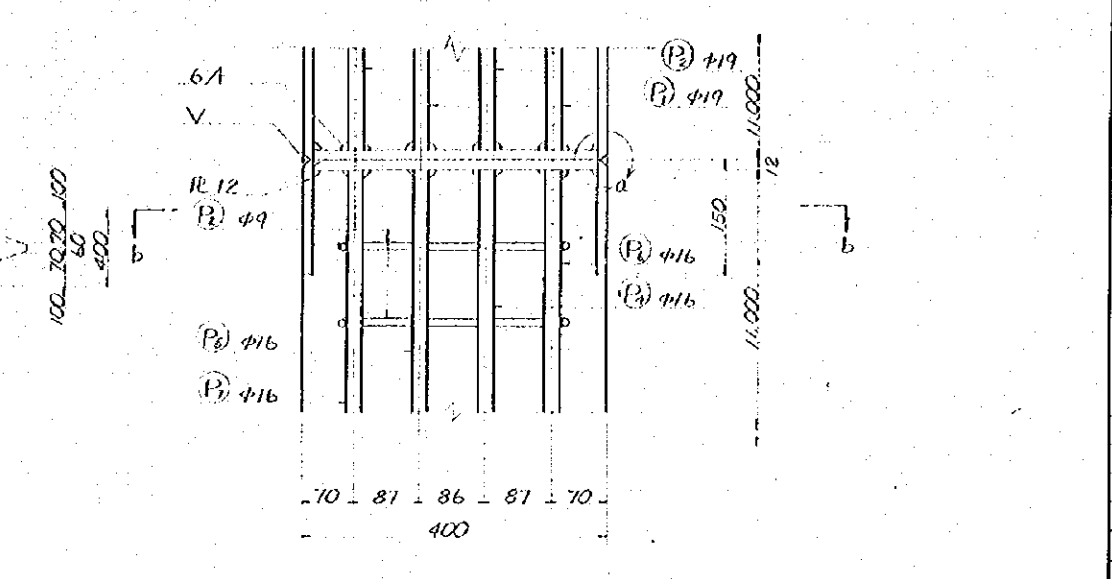
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
BAR ARRANGEMENT			
JAPAN INTERNATIONAL COOPERATION AGENCY			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. HAN	K. HAN
SCALE		REV. NO.	
DATE DEC - 1975		DWG. NO. W-120	



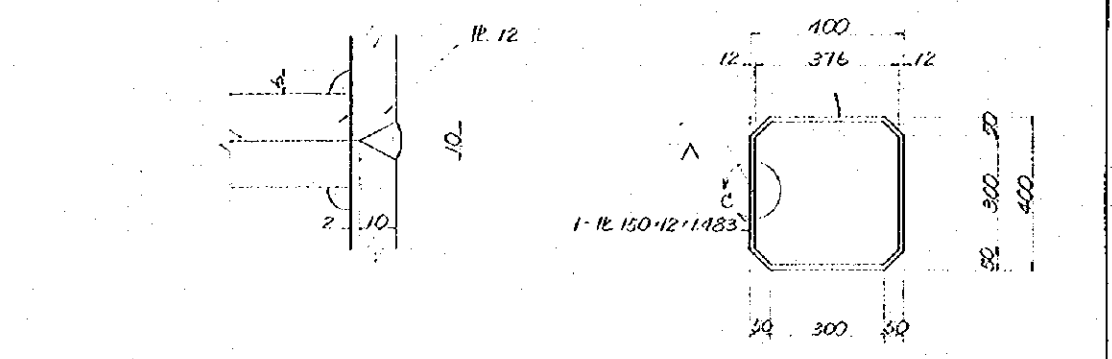
LOWER PILE SCALE = 1/20



DETAIL OF PILE CONNECTION SCALE = $\frac{1}{8}$



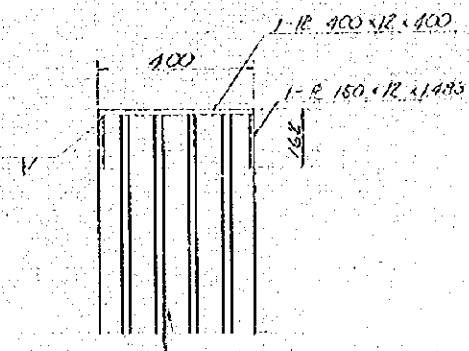
DETAIL "a" SECTION b-b SCALE = 1/10



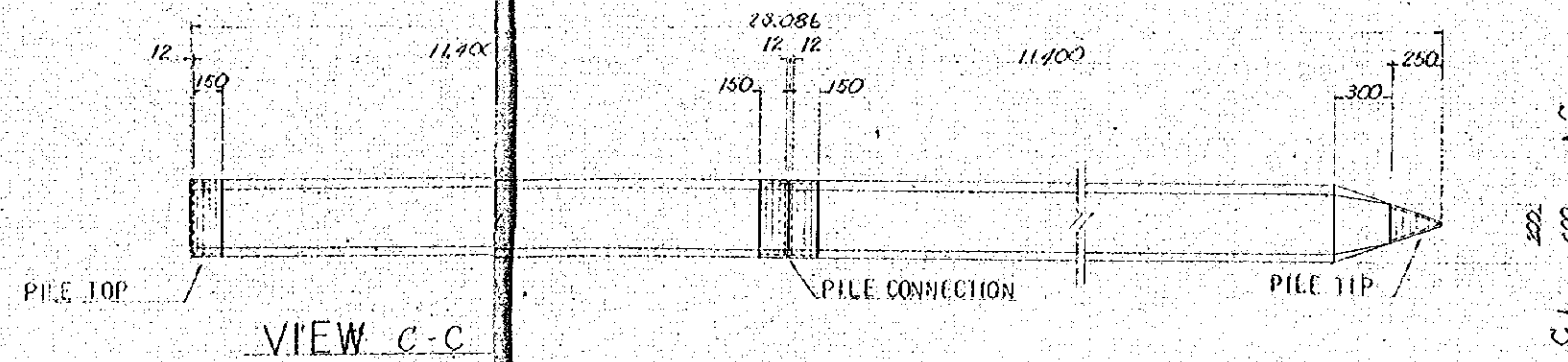
GENERAL NOTES

1

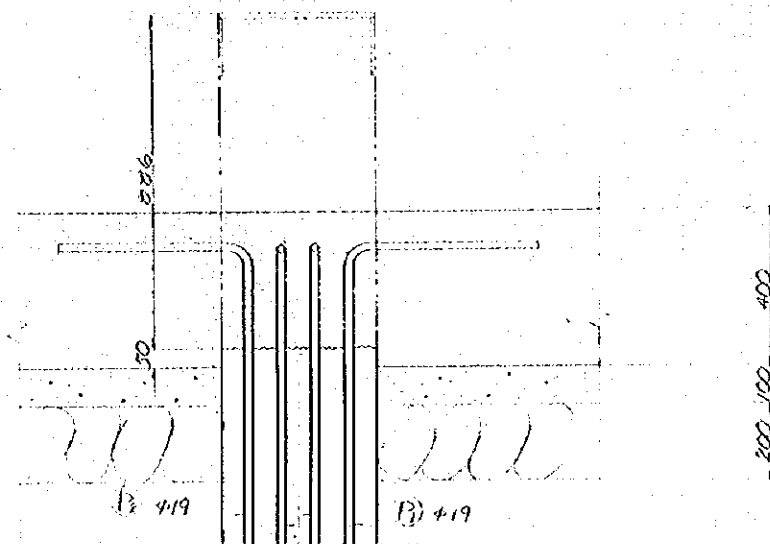
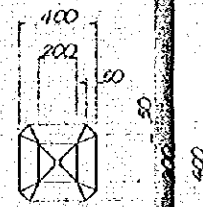
DETAIL OF PILE TOP SCALE = 1/10



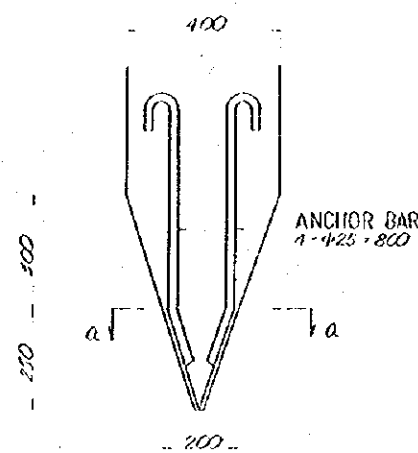
GENERAL PLAN SCALE = 1/20



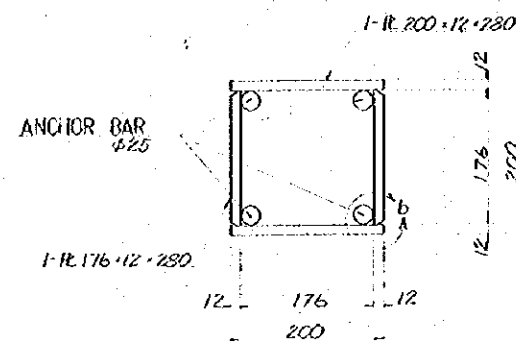
VIEW C-C



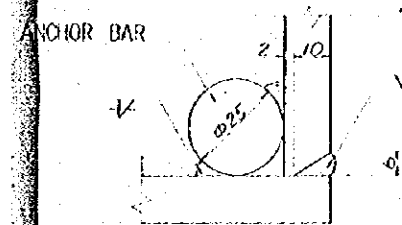
PILE TIP SCALE = 1/10



SECTION a-a SCALE = 1/3



DETAIL 'b' SCALE = 1/2



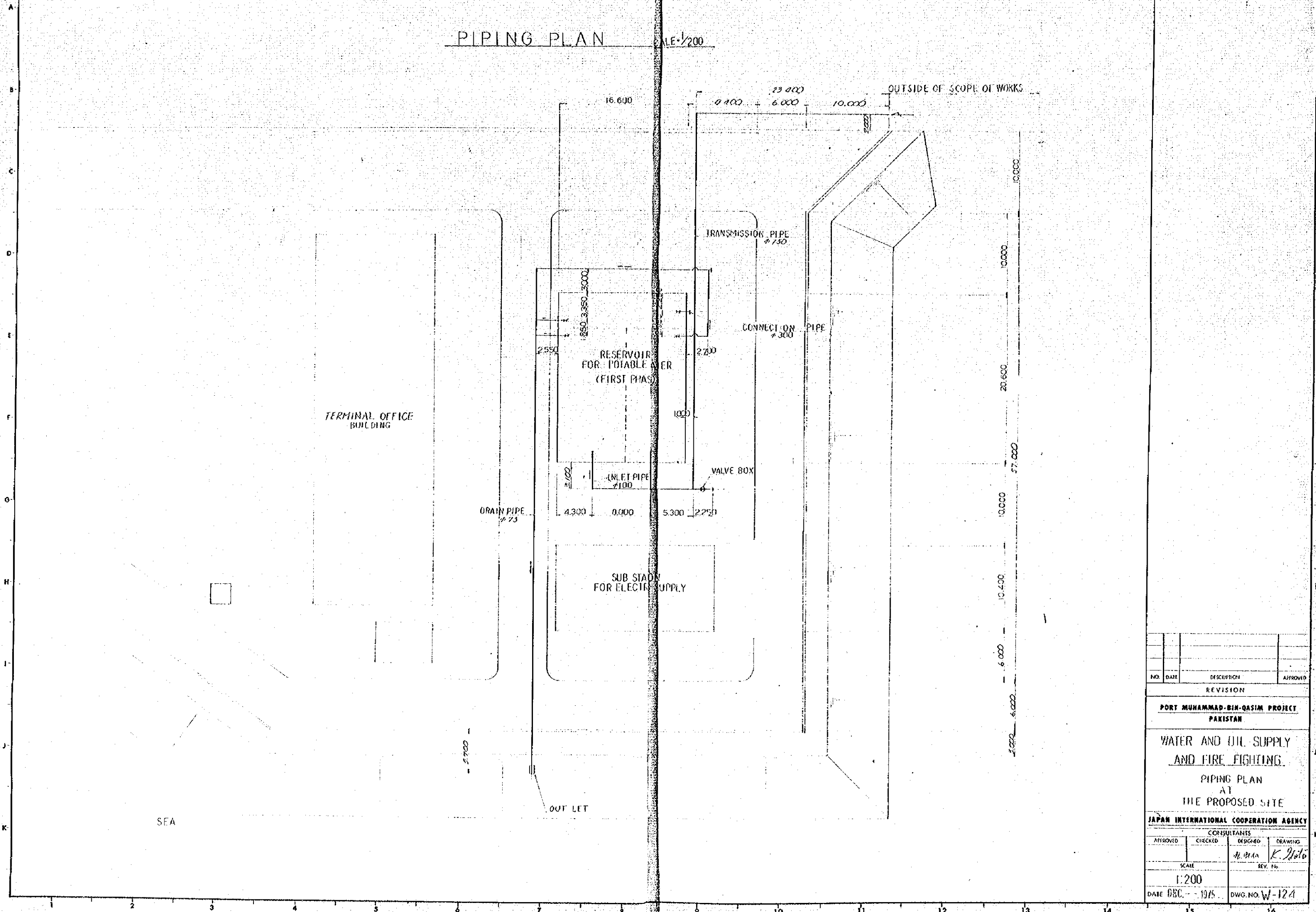
GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
DETAIL OF PILE STRUCTURE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		Q. M. A.	K. H. I.
SCALE		REV. NO.	
1:10			
DATE DEC - 1975		DWG. NO. W-123	

PIPING PLAN

SCALE 1/200

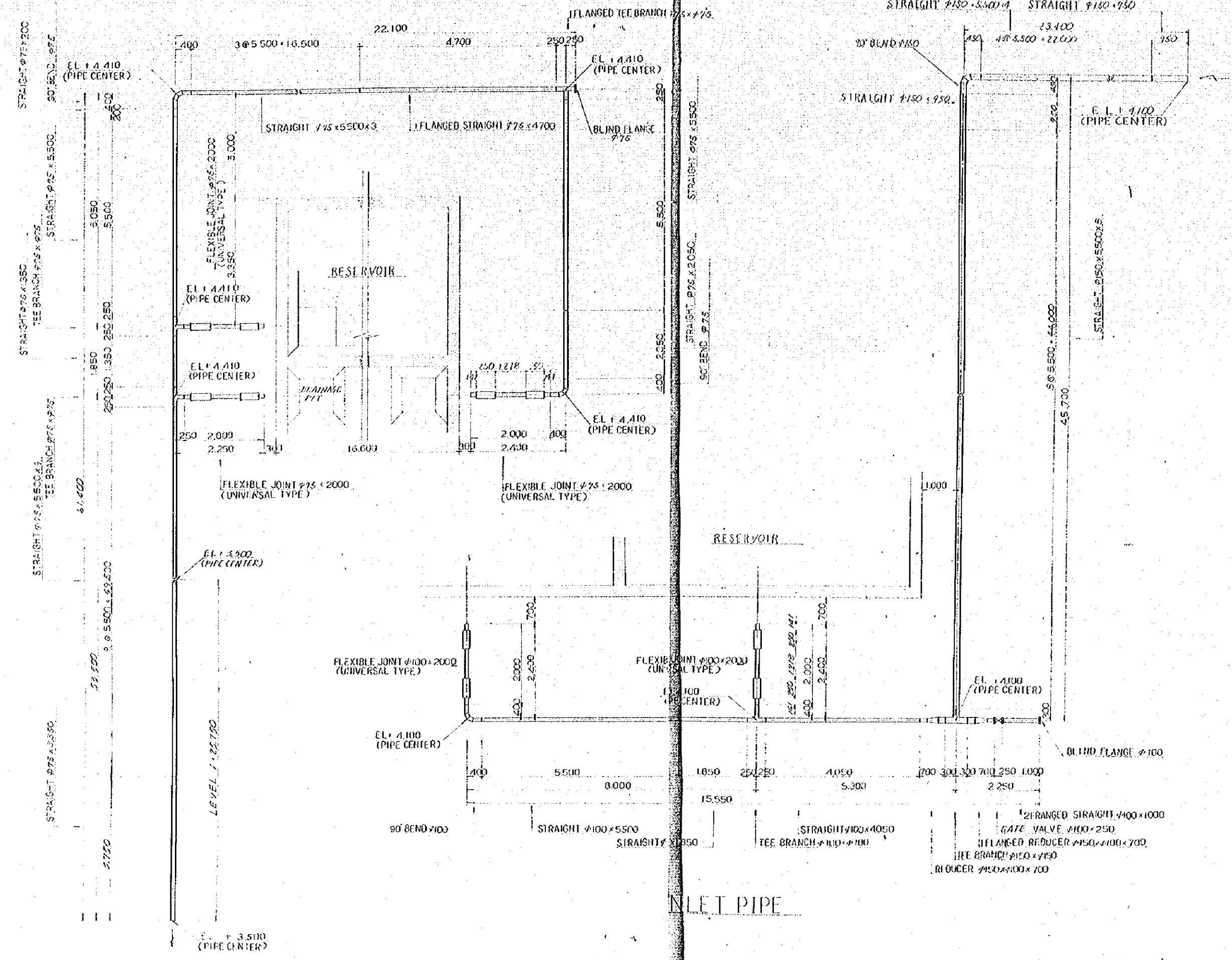
GENERAL NOTES



NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
PIPING PLAN AT THE PROPOSED SITE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. M. A.	K. M. A.
SCALE		REV. No.	
1:200			
DATE DEC. 1975		DWG. NO. W-124	

PIPING PLAN SCALE 1/50

DRAIN PIPE

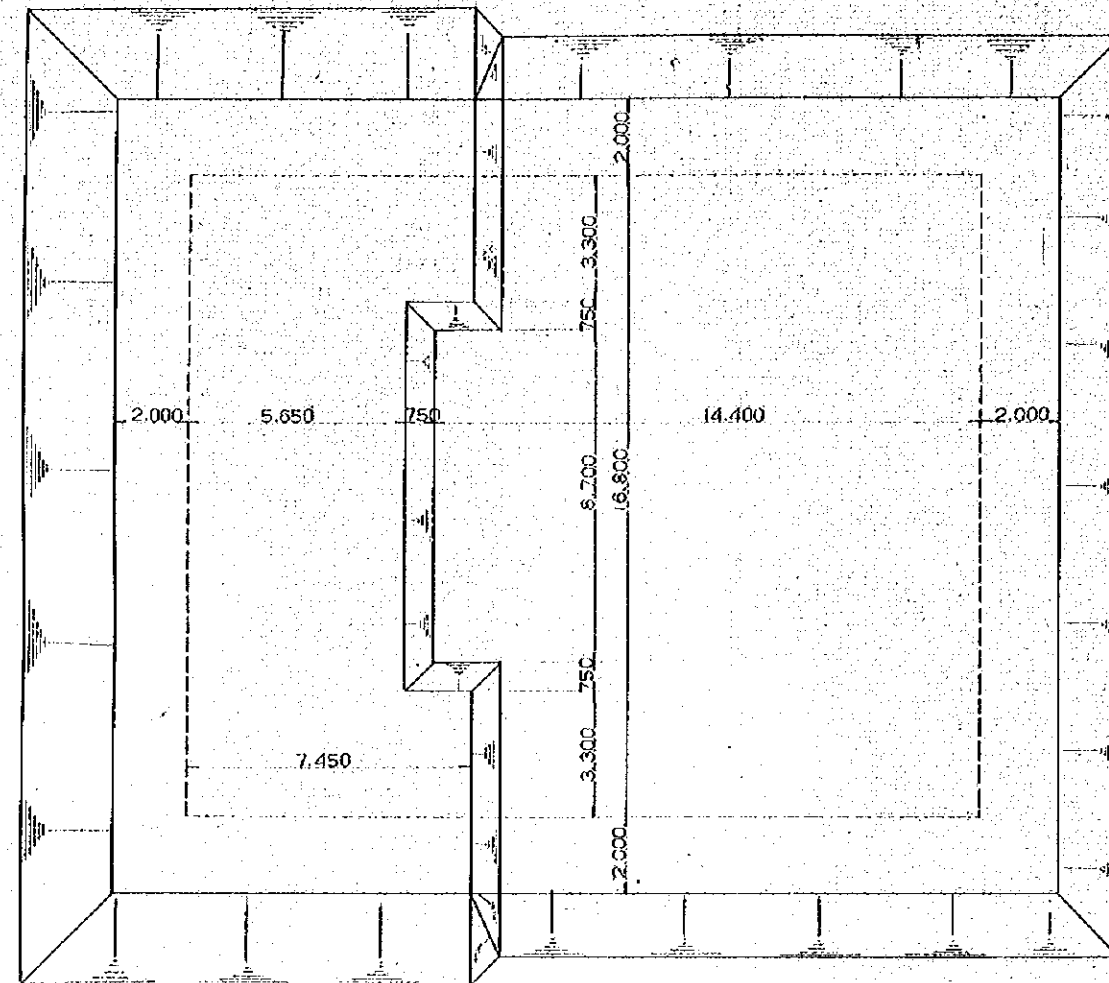


GENERAL NOTES

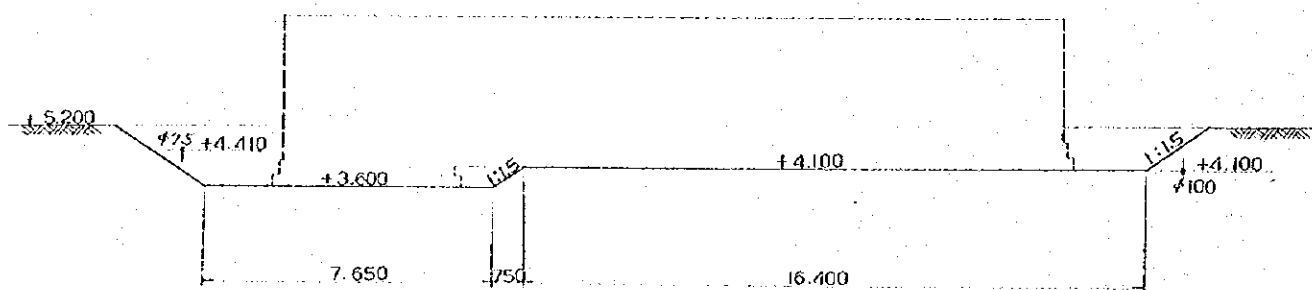
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING			
DETAIL OF PIPE LAYING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
		M. A. A.	K. A. A.
SCALE		REV. NO.	
1:50			
DATE 18.0.1975		DWG. NO. W-125	

EXCAVATION WORKS SCALE = 1/100

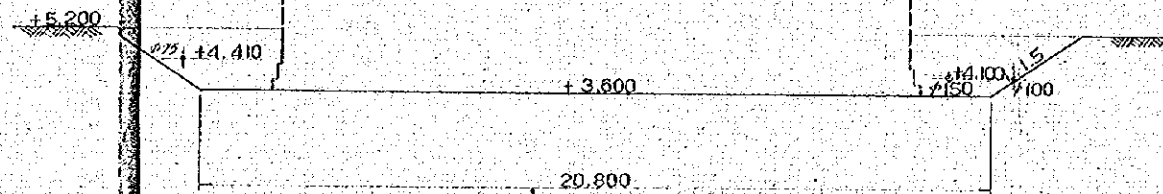
PLAN



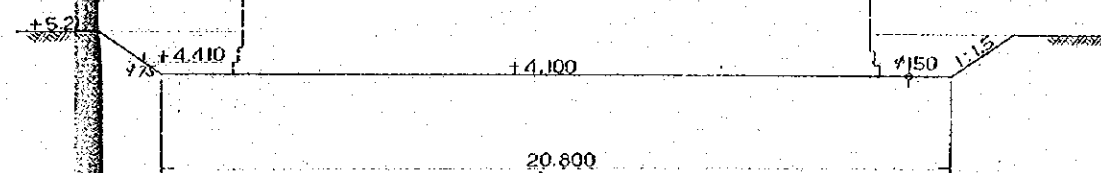
SECTION A-A



SECTION B-B



SECTION C-C



GENERAL NOTES

NO. DATE DISCUSSION APPROVED

REVISION

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

WATER AND OIL SUPPLY
AND FIRE FIGHTING

STRUCTURAL
EXCAVATION WORKS

JAPAN INTERNATIONAL COOPERATION AGENCY

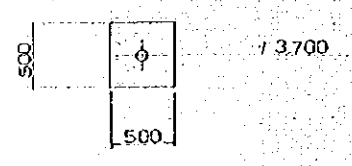
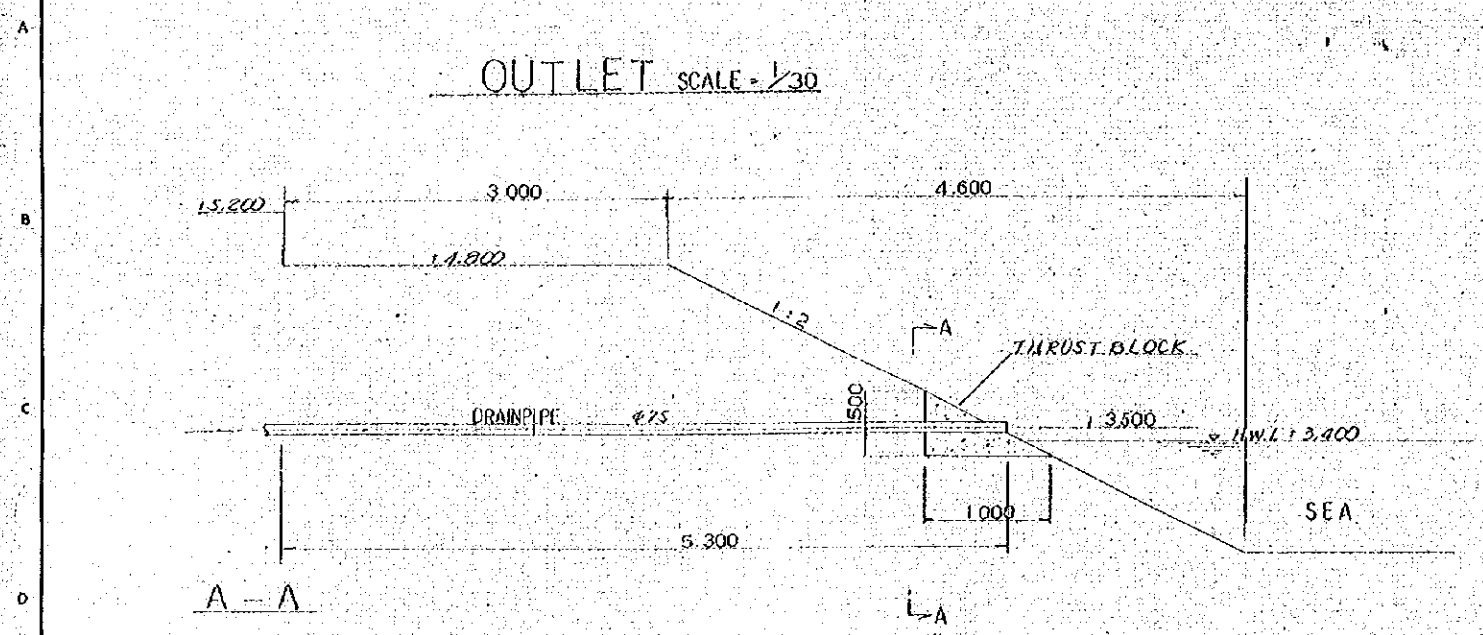
CONSULTANTS

APPROVED CHECKED DESIGNED DRAWING

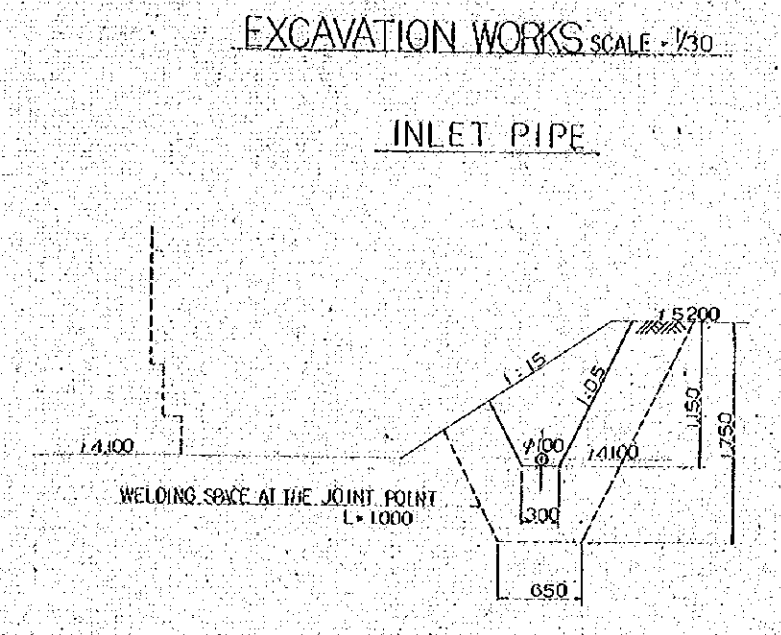
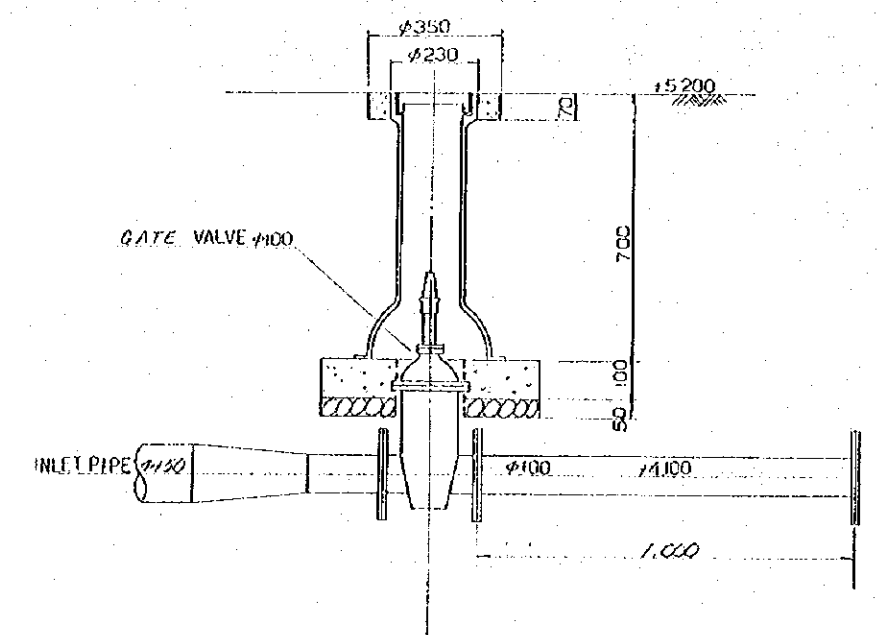
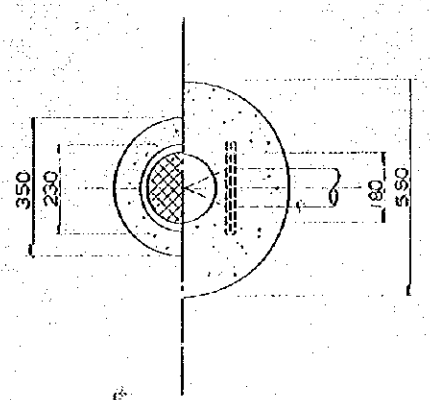
SCALE REV. NO.

DATE

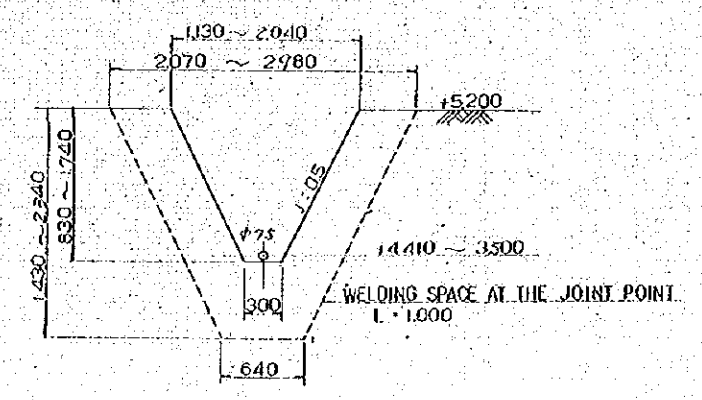
DWG. NO. W-126



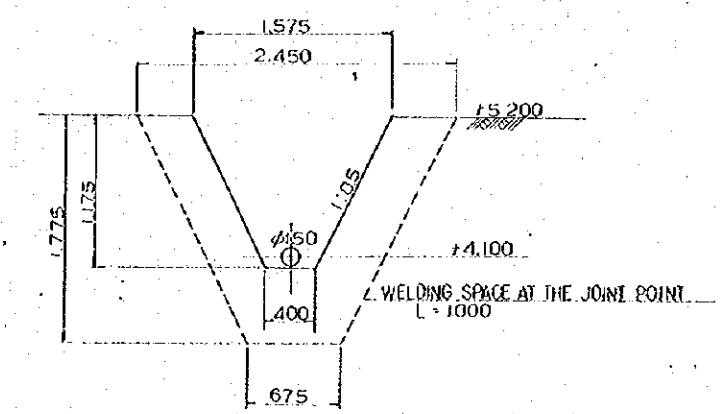
VALVE BOX SCALE = 1/10



DRAIN PIPE

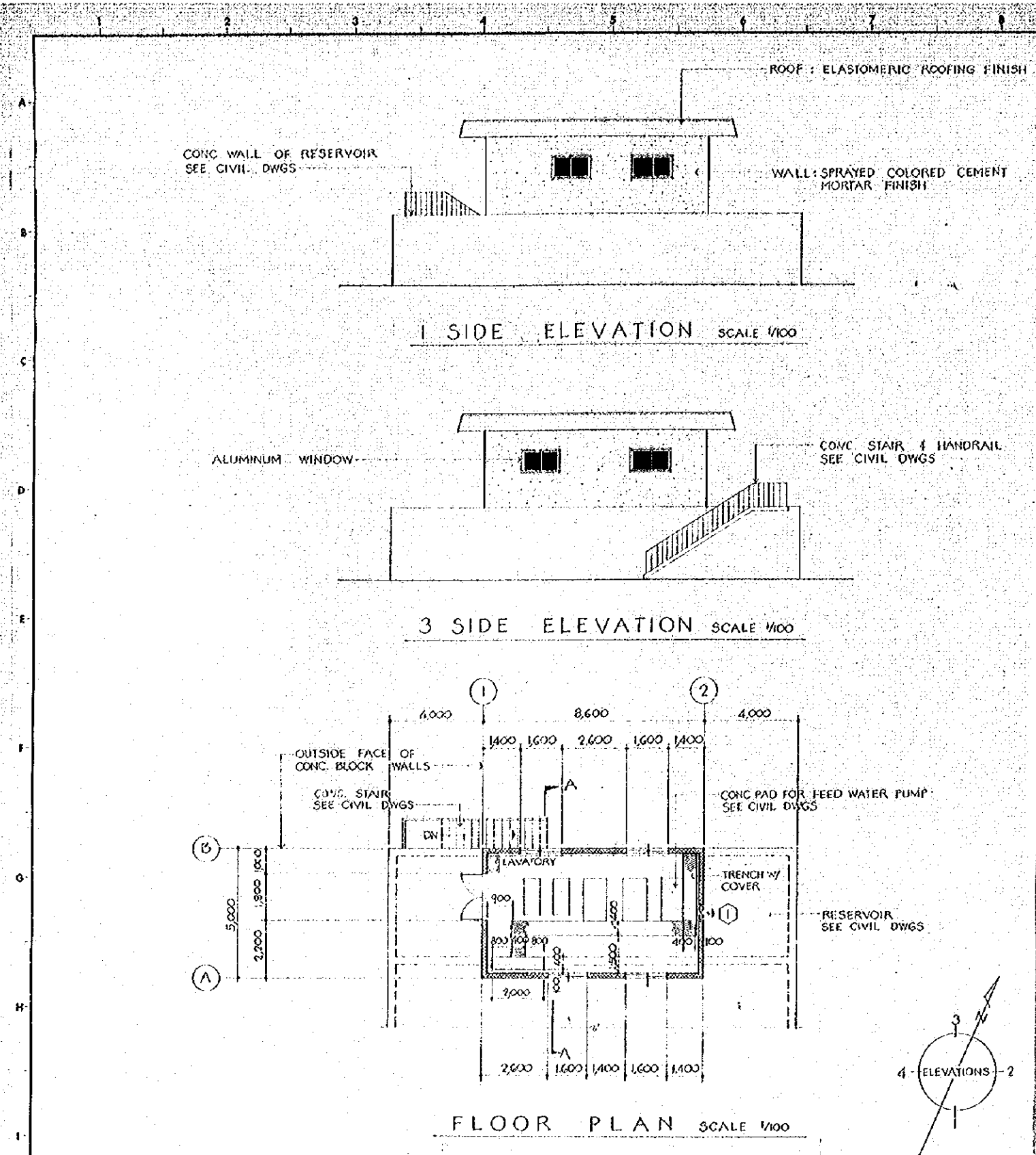


TRANSMISSION PIPE

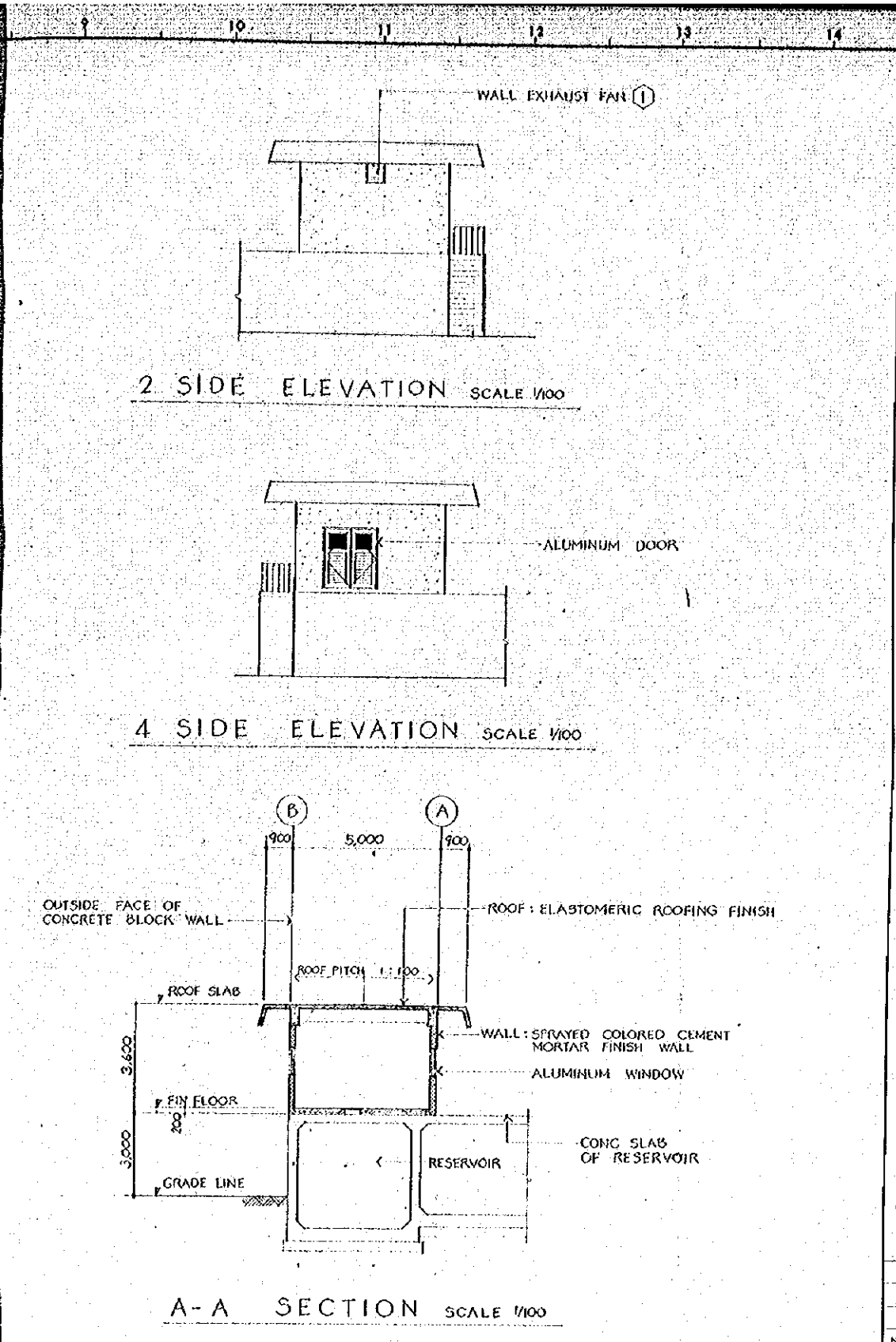


GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT			
PAKISTAN			
WATER AND OIL SUPPLY			
AND FIRE FIGHTING			
EXCAVATION WORKS			
FOR			
PIPE LAYING AND OTHERS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWN
			MAHAR K. HOTA
SCALE			
1:50			
DATE			
DWG. NO. W-127			



INTERIOR FINISH SCHEDULE				
PART	MATERIAL	FINISH	HGT	REMARKS
FLOOR	CEMENT MORTAR	STEEL TROWEL	---	
BASE	CONCRETE BLOCK	V. P.	100	
WAINSCOT				
WALL	EXPOSED CONCRETE BLOCK	V. P.		
CEILING	EXPOSED CONCRETE	V. P.	VARIES	



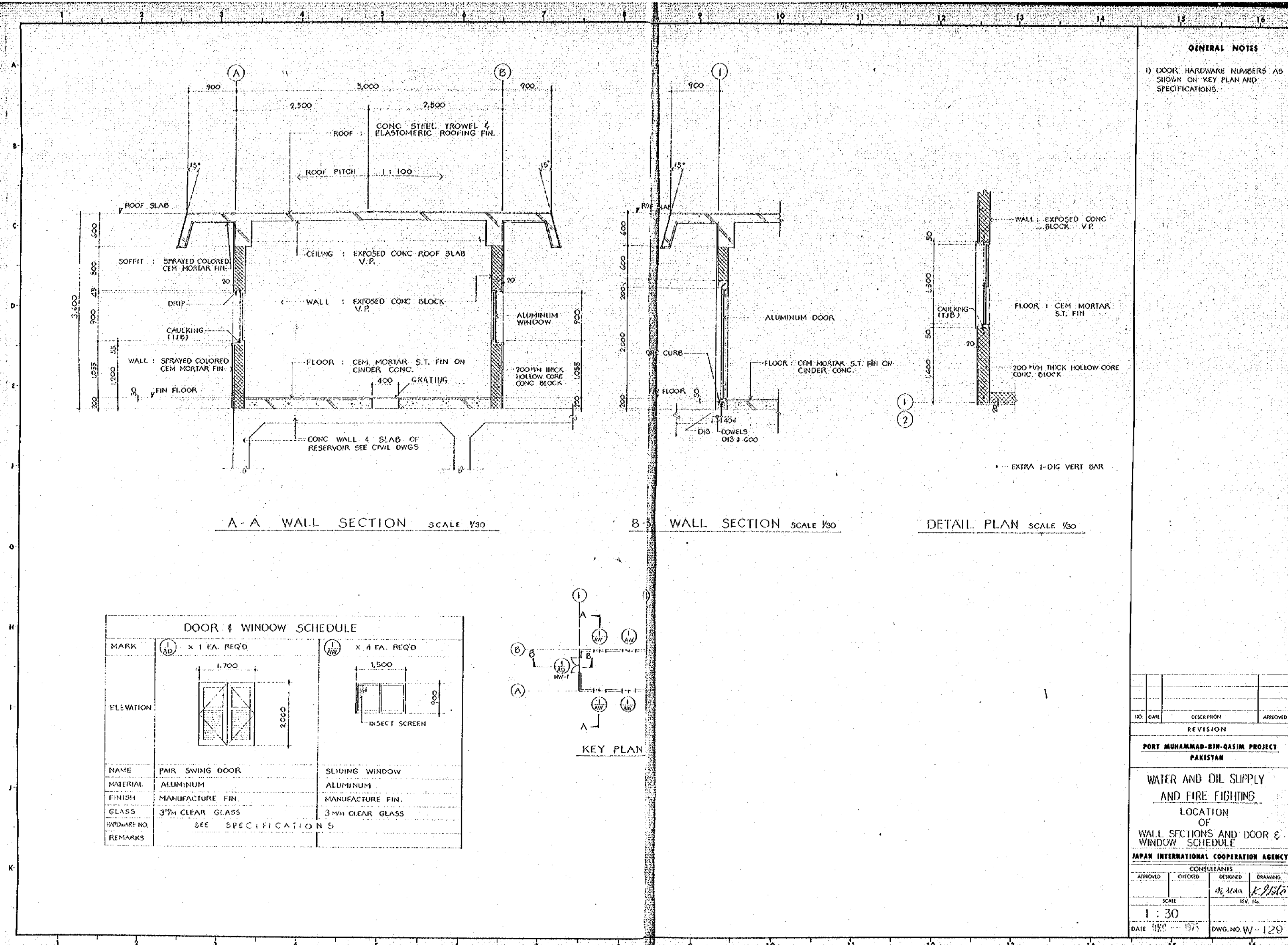
EXTERIOR FINISH SCHEDULE			
PART	MATERIAL	FINISH	REMARKS
ROOF	CONCRETE	ELASTOMERIC ROOFING FINISH	
WALL	CONCRETE BLOCK	SPRAYED COLORED CEMENT MORTAR	
SOFFIT	CONCRETE	SPRAYED COLORED CEMENT MORTAR	
DOOR & FRAM	ALUMINUM	MANUFACTURE FINISH	
WINDOW & FRAM	ALUMINUM	MANUFACTURE FINISH	

- GENERAL NOTES**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE & COORDINATE WORK OF ALL DIVISIONS. VERIFY SHOP DRAWINGS AND REQUIREMENTS BEFORE PERFORMING ANY WORK. THAT MIGHT VARY DEPENDING ON THE MATERIALS SUPPLIED FURNISHED.
 - DIMENSION SHALL TAKE PRECEDENCE OVER SCALE.
- ① WALL EXHAUST FAN
WALL MOUNTED, DIRECT DRIVEN, PROPELLER FAN WITH AUTOMATIC SHUTTER.
CAPACITY 85 CMH AT 4MM S.P.
400 WATTS, 3Φ-220V-50 HZ.

- ABBREVIATIONS**
- CONC CONCRETE
 - CEM CEMENT
 - DWGS DRAWINGS
 - EA EACH
 - FIN FINISH
 - HGT HEIGHT
 - HORIZ HORIZONTAL
 - REIN REINFORCING
 - REQ'D REQUIRED
 - S.T. STEEL TROWEL
 - STIRR STIRRUP
 - VERT VERTICAL
 - V.P. VINYL PAINT
 - W WITH
 - O.P. OIL PAINT

- LEGEND**
- EARTH
 - CONCRETE
 - CINDER CONCRETE
 - HOLLOW CORE CONC BLOCK
 - CEMENT MORTAR
 - STEEL
 - ORDINATE

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
WATER AND OIL SUPPLY AND FIRE FIGHTING LOCATION OF FLOOR PLAN, ELEVATIONS, SECTION & FINISH SCHEDULES			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
ASSIGNED	CHECKED	DESIGNED	DRAWING
		<i>M. H. H.</i>	<i>K. H. H.</i>
SCALE		REV. NO.	
1:100			
DATE 28.01.1975		DWG. NO. W-128	



NO.	DATE	DESCRIPTION	APPROVED
REVISION			

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

WATER AND OIL SUPPLY
AND FIRE FIGHTING

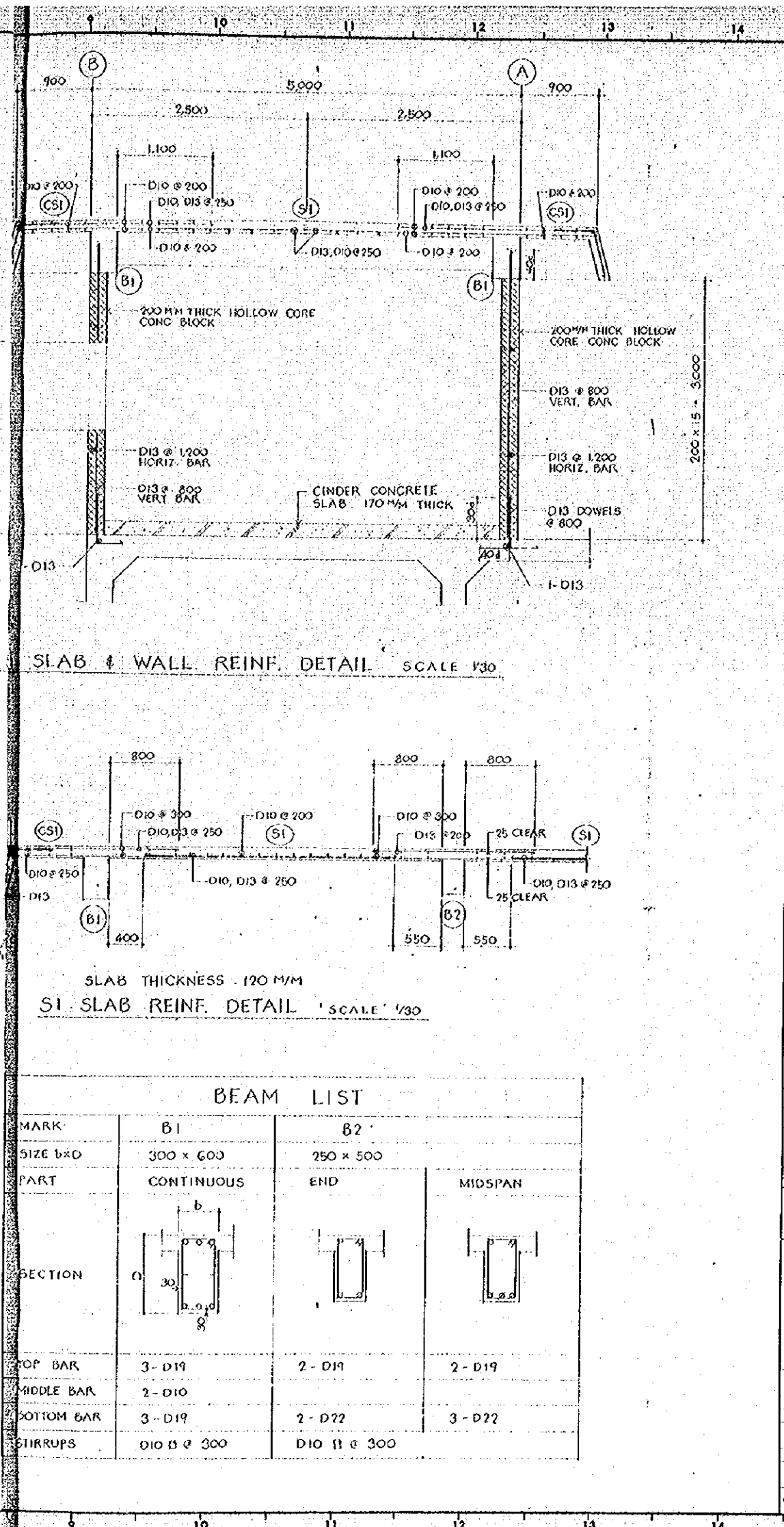
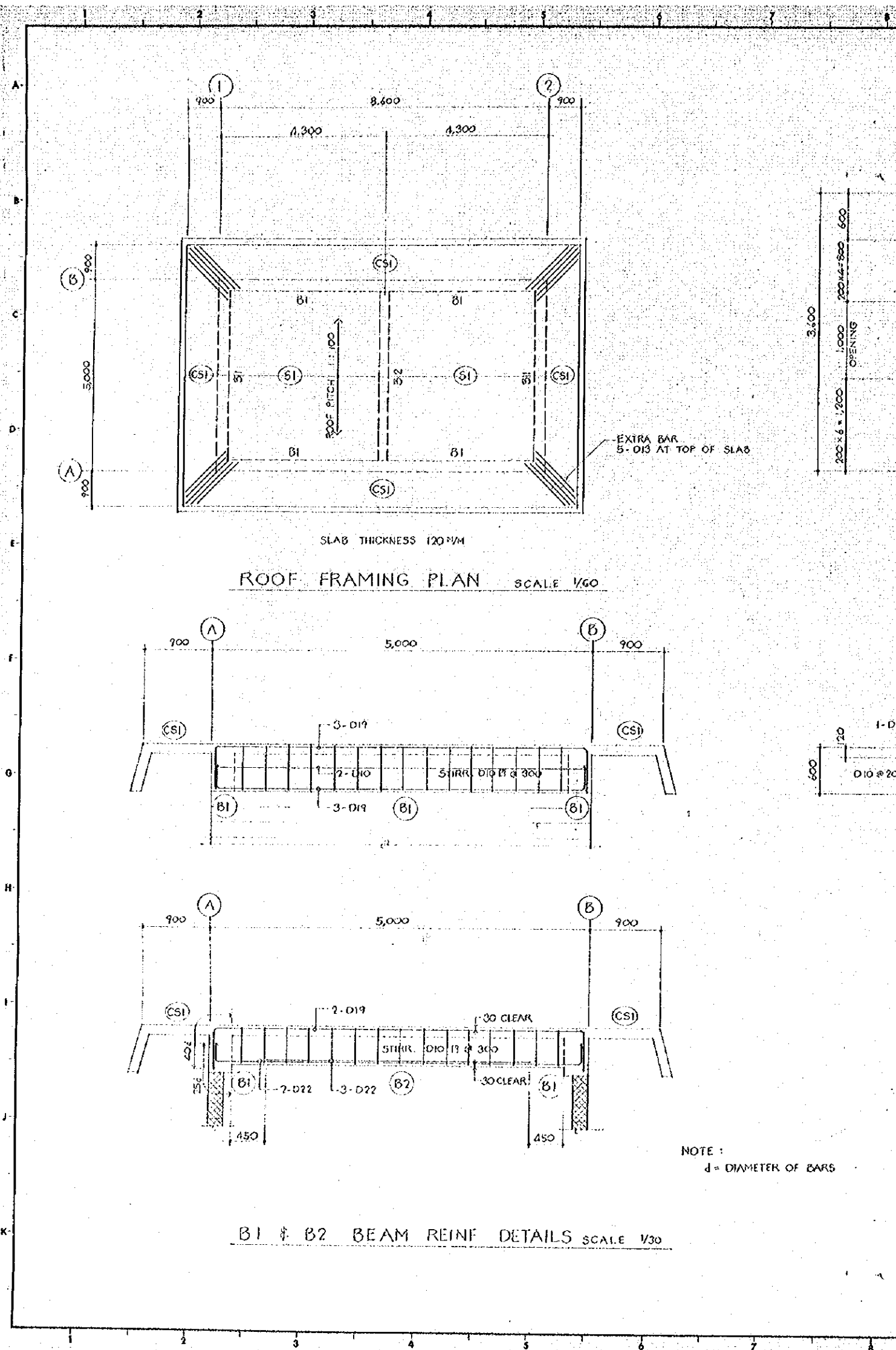
LOCATION
OF
WALL SECTIONS AND DOOR &
WINDOW SCHEDULE

JAPAN INTERNATIONAL COOPERATION AGENCY

APPROVED	CHECKED	DESIGNED	DRAWING

SCALE
1 : 30

DATE 1980-1975 DWG. NO. W-129



GENERAL NOTES

REIN. SYMBOL

- D10

x D13

o D19

8 D22

NO.	DATE	DESCRIPTION	APPROVED

REVISION

PORT MUHAMMAD-BIN-QASIM PROJECT

PAKISTAN

WATER AND OIL SUPPLY AND FIRE FIGHTING

LOCATION OF SLAB & BEAM REINFORCING

JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS

APPROVED

CHECKED

DESIGNED

DRAWING

SCALE

REV. 12

AS NOTED

DATE 10/11/1975

DWG. NO. W-130