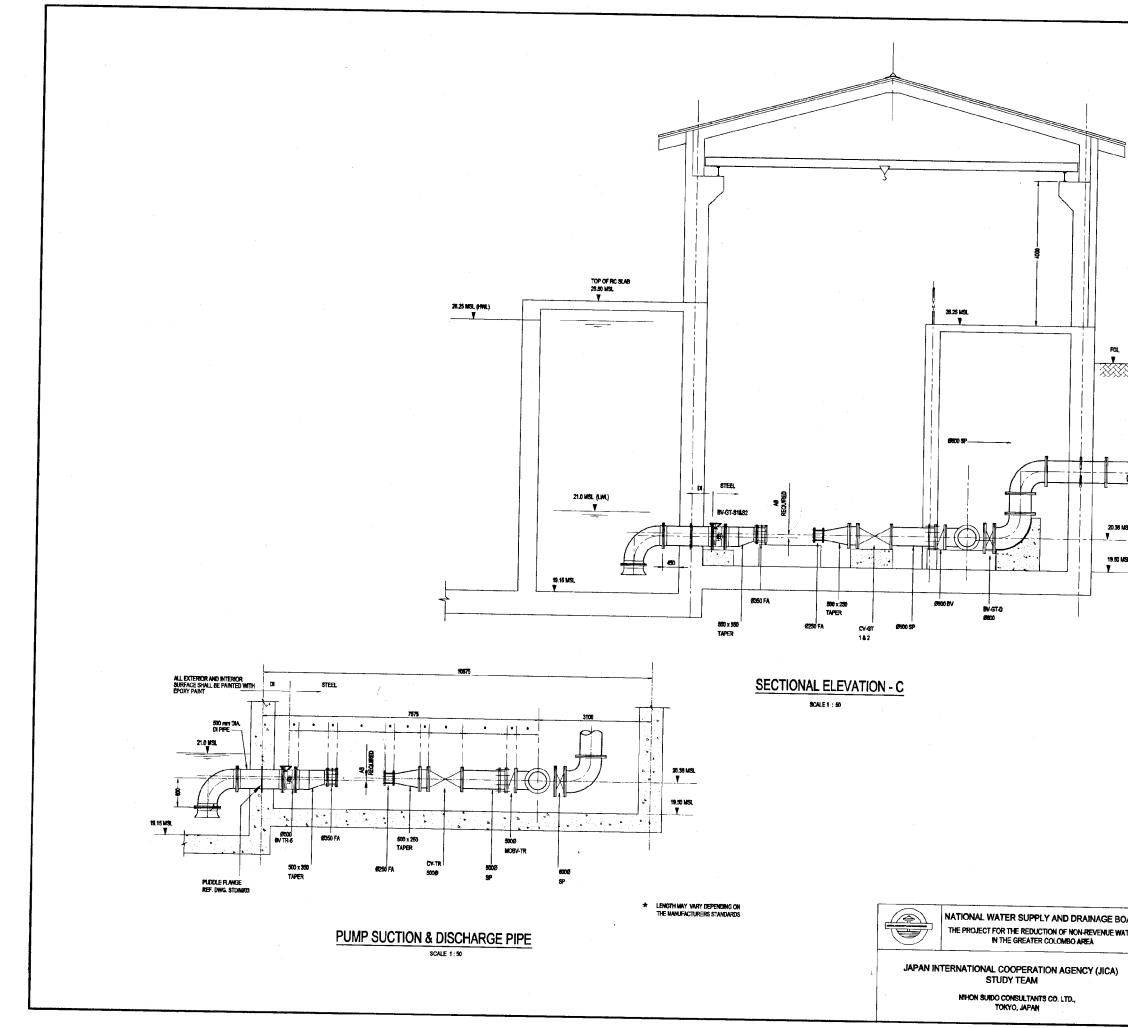
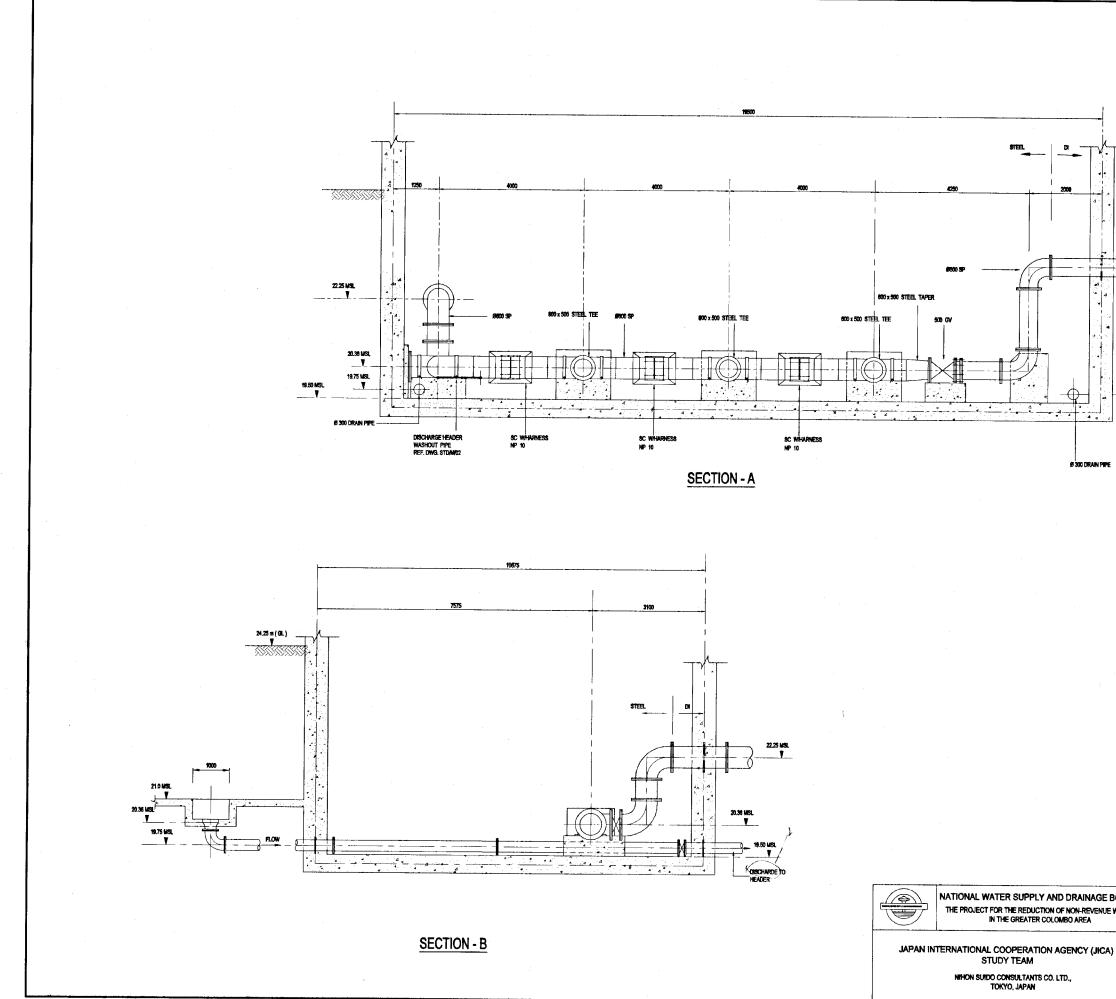


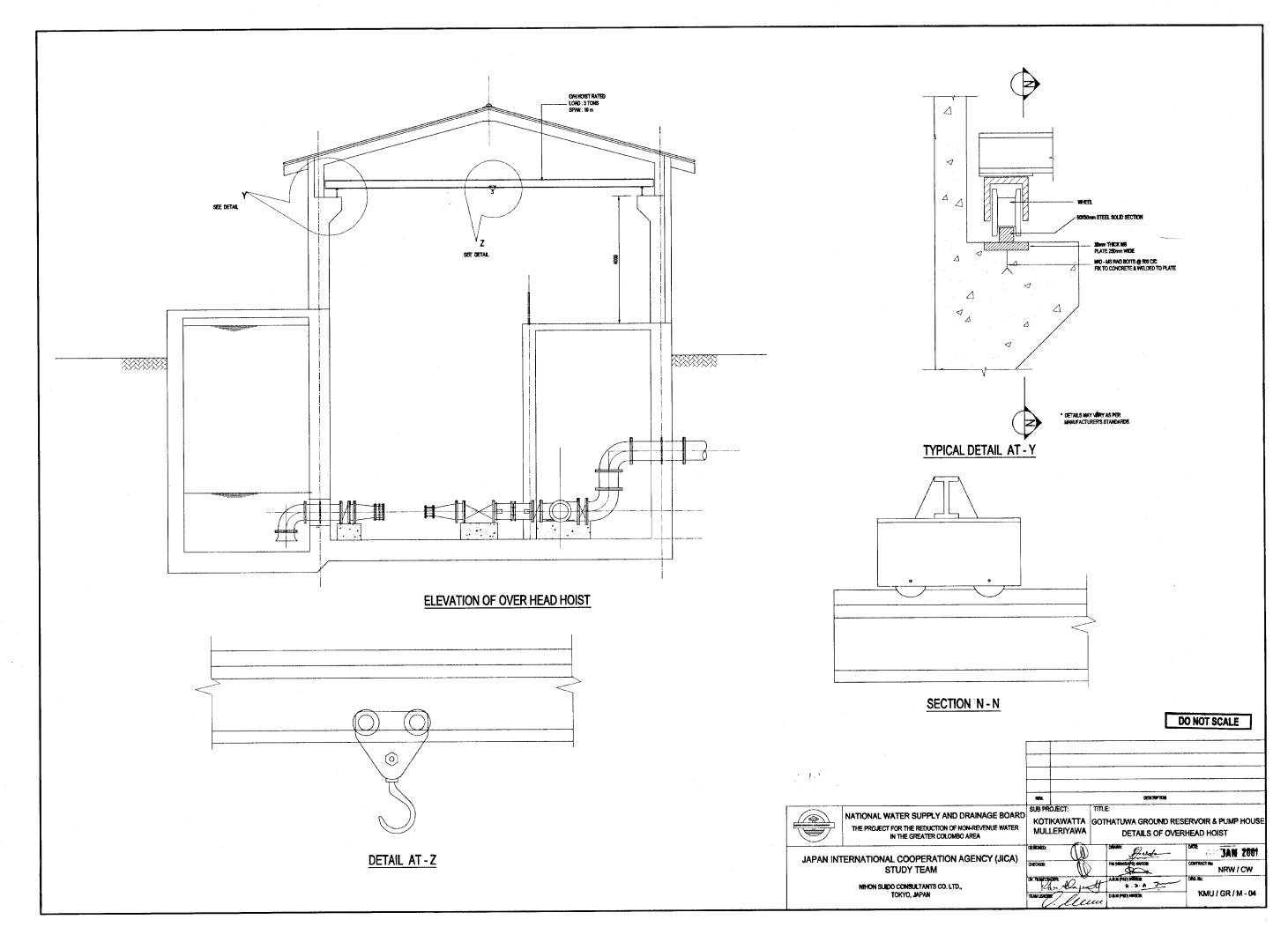
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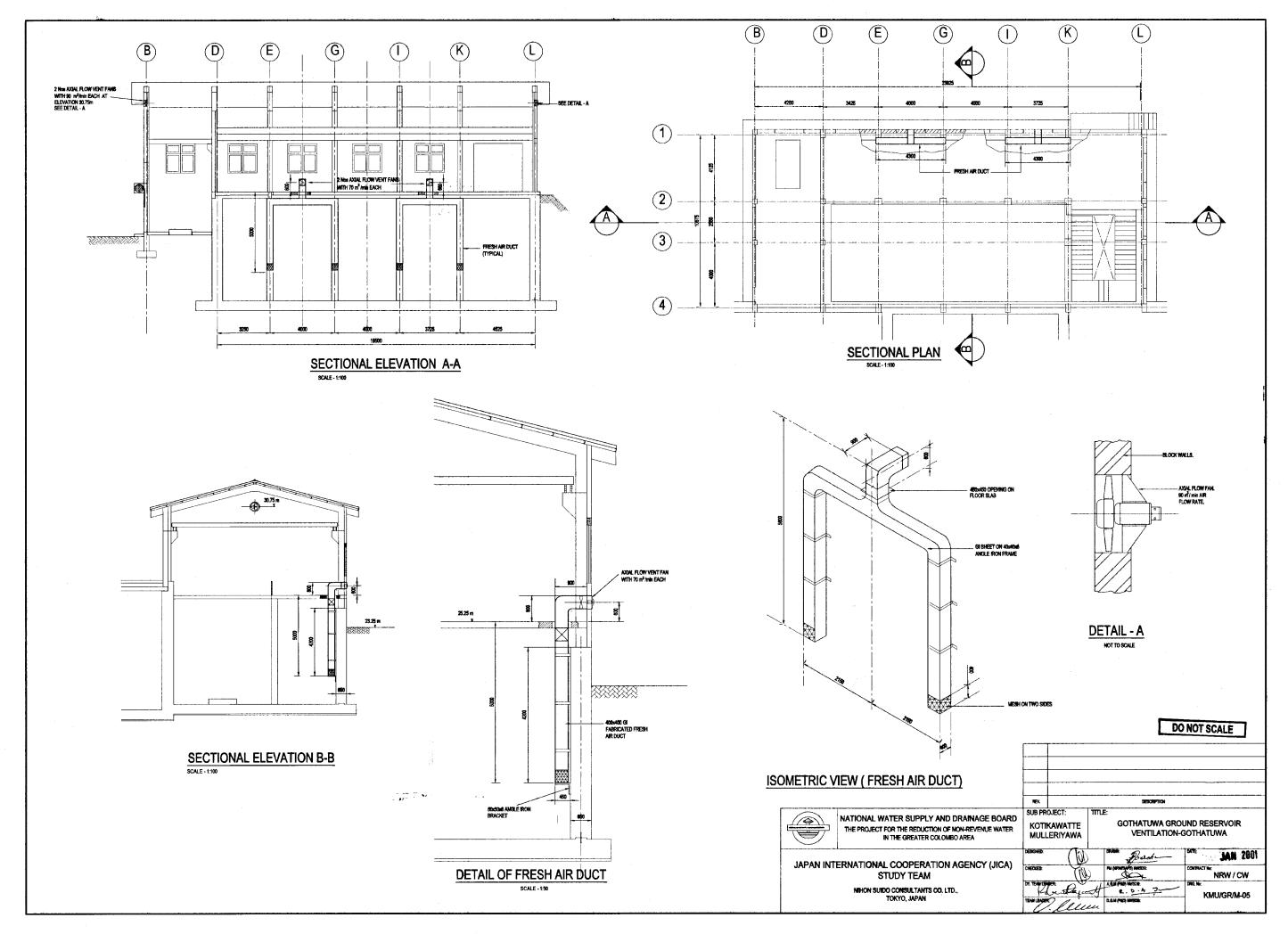
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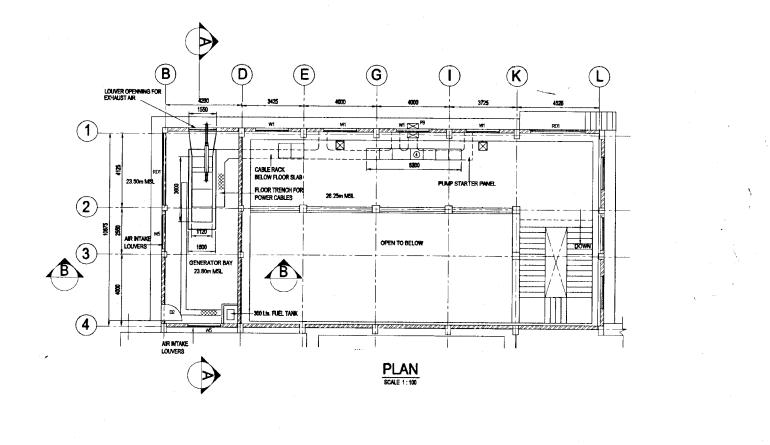
	ECT: WATTA RIYAWA	DESCRIPT TITLE: GOTHATUWA GROUT PUMP STATION - SI	ND RESERVOIR	PING DETAILS SHEET 2 OF 2 JAN 2001	
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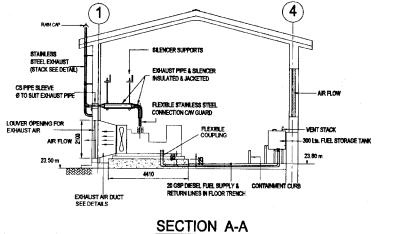


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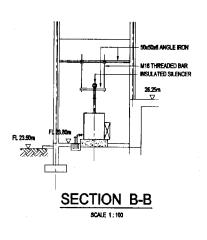


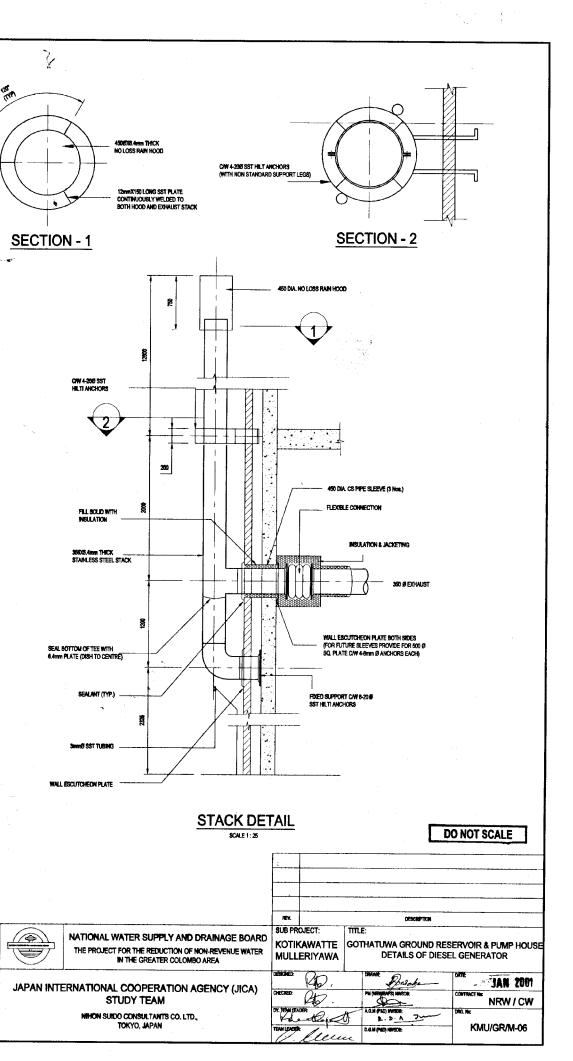
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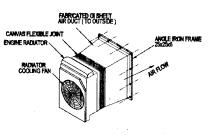




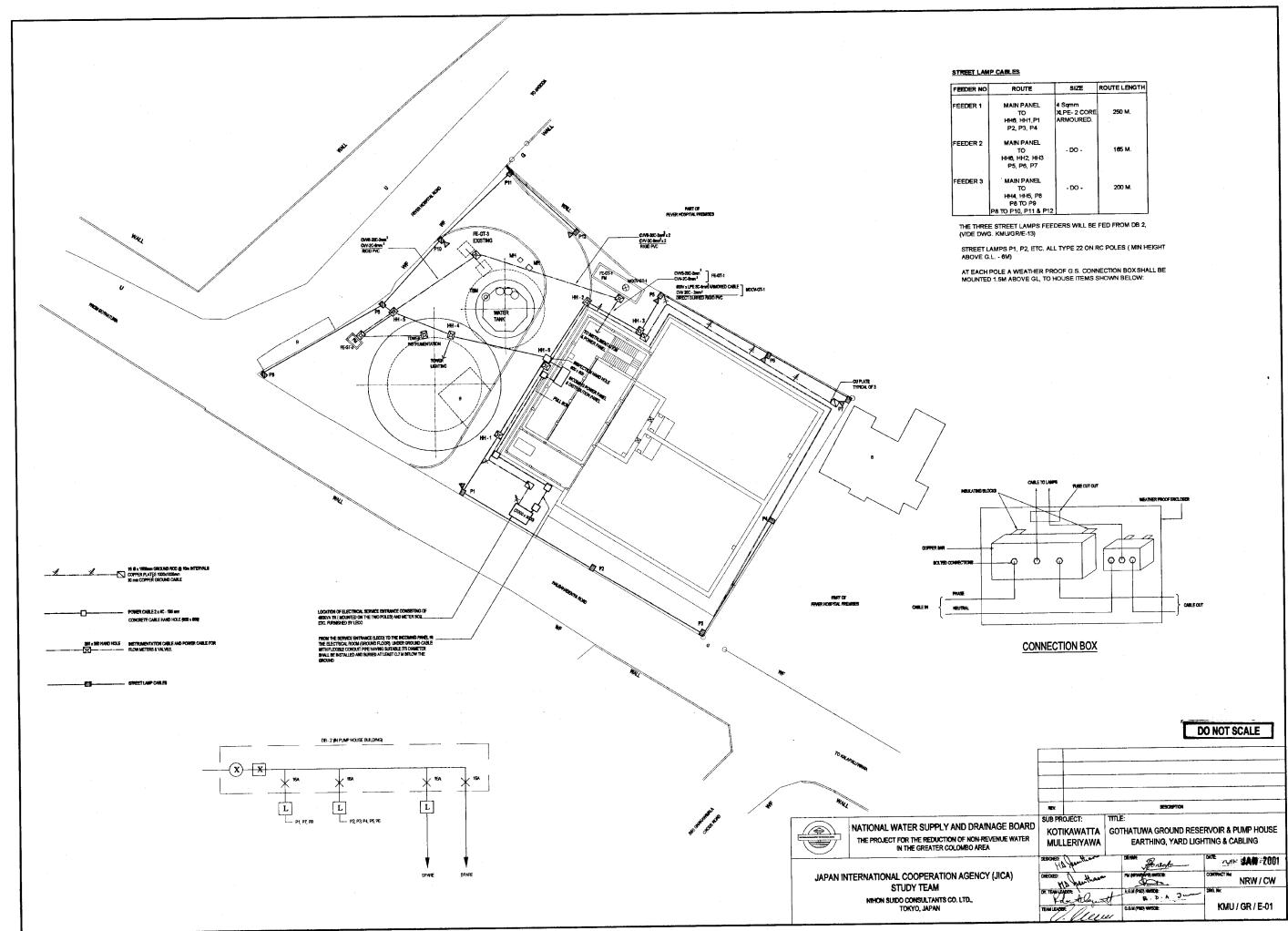
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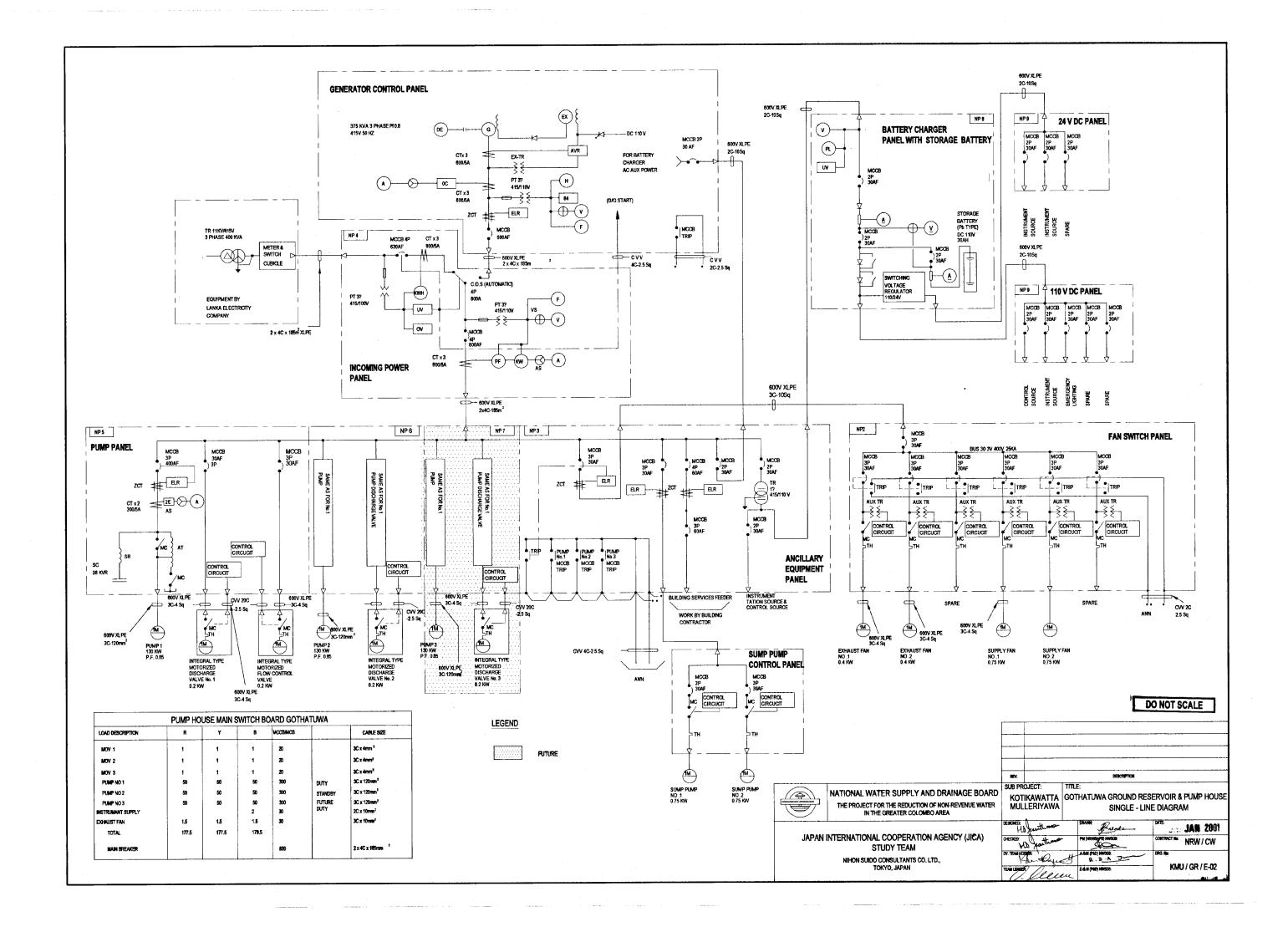




DETAIL OF EXHAUST AIR DUCT NOT TO SCALE



ROUTE	SIZE	ROUTE LENGTH
MAIN PANEL TO HH8, HH1, P1 P2, P3, P4	4 Sqmm XLPE- 2 CORE ARMOURED.	250 M,
MAIN PANEL TO HH6, HH2, HH3 P5, P6, P7	- DO -	165 M.
MAIN PANEL TO HH4, HH5, P8 P8 TO P9	- 00 -	200 M.



DEPTH ; 800 mm DEPTH ; 600 mm PL BUZZER NP 4 € NP 4 € NP 4 € NP 4 € NP 5 NP 44 NP 46 NP 51 NP 36 NP 43 NP 46 NP 51 NP 36 NP 43 NP 46 NP 51 NP 36 NP 43 NP 51 NP 36 NP 43 NP 46 NP 51 NP 36 NP 43 NP 46 NP 51 NP 36 NP 43 NP 46 NP 51 NP 36 NP 44 NP 51 NP 36 NP 44 NP 46 NP 51 NP 56 NP 55 NP 56 NOTE BUZZER NP7 NPS NP9 NP1 NP2 NP3 ANN & STATUS  $\bigcirc$ F NP 45 PF NP 11 NP 12 NP 13 NP 14 NP 21 NP 22 NP 23 NP 51 NP 58 NP 43 <u>, r = 2</u> \_C\_\_\_ NP 24 NP 25 NP 26 MCCB UVR NP 22 MCCB NP21 AS AS PS21 PS22 NP 23 vs □ ΦΦ NP 17 PS1 PS2 PS3 FF FF ₩P 47 ™ === © \_\_\_\_\_\_ LOCABLE HANDLE LOCABLE NP 24 ORAGE BATTERY CELLS SIDE PANEL 111 (FOR MCCB) Ľ\_\_\_ 1 MCCB NP 31 ┟<u></u><u></u><u></u>└</u><u></u><u></u><u></u> ╒═╕╒╪╕╒═╕ , <u>[</u>] \_\_\_\_\_ MCCB MCCB MCCB 1 i i UVR OVR omo لتستا L ..... T ТТ T 700 700 700 600 700 1000 NP 6 PUMP No. 2 PANEL NP 9 DC (110V/24V) PANE NP 4 INCOMING POWER PANEL NP 1 INSTRUMENT PANEL NP 21 BATTERY CHARGER NP 11 INFLOWOUTFLOW mh NP 22 CHARGER OUT PUT NP 12 RESERVOIR/TOWER WL NP 23 BATTERY / CHARGE NP 13 INFLOW ACCUMULATIVE m 3 NP 24 DC 24 V FEEDER -NP 25 DC 24 V FEEDER -NP 14 OUTFLOW ACCUMULATIVE m 3 \_\_\_\_\_ NP 26 DC 24 V FEEDER FLOPPY DISK DRIVE NP 15 RECORDER (INFLOWOUTFLOWOUTFLOW) NP 27 DC 110V FEEDER NP 16 -----NP 17 RECORDER (RESERVOIR WL/TOWER WL/ EXIST TOWER WL) NP 28 DC 110V FEEDER NP 29 DC 110V FEEDER

NP 18	EXISTING TOWER WL	
P\$1	PUSH BUTTON SW (LAMP TEST)	
PS2	PUSH BUTTON SW (LAMP TEST)	
PS3	PUSH BUTTON SW (LAMP TEST)	
NP 2	FAN SWITCH PANEL	
NP 21	EXHAUST FAN No. 1	
NIP 21 NIP 22	EXHAUST FAN No. 1 EXHAUST FAN No. 2	
NP 22	EXHAUST FAN No. 2	
NIP 22 NIP 23	EXHAUST FAN No. 2 SUPPLY FAN No. 1	

ANCILLARY EQUIPMENT PANEL

NP 3

NP 41	SYSTEM FREQUENCY
NP 42	SYSTEM POWER
NP 43	SYSTEM CURRENT
NP 44	SYSTEM VOLTAGE
NP 45	SYSTEM POWER FACTOR
NP 46	ENERGY (COMMERCIAL POWER RECEIVING)
NP 47	COMMERCIAL POWER CB
NP 48	SYSTEM CB
AS	AMMETER SELECTOR SW (R-S-T)
vs	VOLTMETER SELECTOR SW (RS-ST-TR)
	CONTROL SW (ON-OFF) SPRING RETURN

NP 51	PUMP CURRENT
NP 52	INFLOW CONTROL VALVE POSITION INDICATOR
NP 53	PUMP INDIVIDUAL OPERATION (FOR CS 51)
NP 54	PUMP/DISCHARGE VALVE LINK UP OPERATION (FOR CS 52)
NP 55	DISCHARGE VALVE INDMIDUAL OPERATION (FOR CS 53)
NP 56	INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)
NP 57	INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)
NP 58	PUMP SUCTION PRESSURE
COS 51	PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-LINK UP)
COS 52	PUMP SELECTION MODE SW (No. 1+No.2-No.2+No.3-No.3+No.1)
COS 53	INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (MANUAL - AUTO)
COS 54	OVER RIDE SELECTOR SW (OVER RIDE-OFF)
CS 51	CONTROL SW (ON-OFF) SPRING RETURN
CS 52	CONTROL SW (RUN-STOP) SPRING RETURN
CS 53	CONTROL SW (OPEN-CLOSE) SPRING RETURN
CS 54	CONTROL SW (OPEN-CLOSE) SPRING RETURN
CS 55	CONTROL SW (ON-OFF) SPRING RETURN
ES	EMERGENCY STOP SW (PUSH BUTTON)

NP 53     PUMP INDIVIDUAL OPERATION (FOR CS 51)       NP 54     PUMP/DISCHARGE VALVE LINK UP OPERATION (FOR CS 52)       NP 55     DISCHARGE VALVE INDIVIDUAL OPERATION (FOR CS 53)       NP 55     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 58     PUMP SUCTION PRESSURE       COS 51     PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       PUMP SELECTION MODE SW (Na 1+Na 2Na 2+Na 3Na 3+Na 1)       COS 51     PUMP SELECTION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 52     PUMP SELECTION MODE SW (Na 1+Na 2Na 2+Na 3+Na 3+Na 1)       COS 53     OVER RIDE SELECTOR SW (INVERTIBLE OFF)       COS 54     OVER RIDE SELECTOR SW (INVERTIBLE OFF)       CONTROL SW (ON-OFF) SPRING RETURN     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 52     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 54     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 56     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 56     CONTROL SW (OPEN-STOP SW (PUSH BUTTON) </th
NP 53     PUMP INDIVIDUAL OPERATION (FOR CS 51)       NP 54     PUMP/DISCHARGE VALVE LINK UP OPERATION (FOR CS 52)       NP 55     DISCHARGE VALVE INDIVIDUAL OPERATION (FOR CS 53)       NP 56     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 58     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 59     PUMP SUCTION PRESSURE       COS 51     PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-LINK UP)       COS 52     PUMP SELECTOR MODE SWI (No 1+No 2+No 2+No 3+No 3+No 3+No 1)       COS 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (INDIVIDUAL-LINK UP)       COS 52     PUMP SELECTOR SW (OVER RIDE-OFF)       CS 51     CONTROL SW (NO-OFF) SPRING RETURN       CS 54     CONTROL SW (RUF-STOP) SPRING RETURN       CS 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 54     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS
NP 54     PUMP/DDSCHARGE VALVE LINK UP OPERATION (FOR CS 52)       NP 55     DISCHARGE VALVE INDIVIDUAL OPERATION (FOR CS 53)       NP 56     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)       NP 58     INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)       NP 59     PUMP SUCTION PRESSURE       COS 51     PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-LINK UP)       PUMP SELECTION NODE SELECTOR SW (INDIVIDUAL-LINK UP)       COS 52     PUMP SELECTION NODE SELECTOR SW (INDIVIDUAL-LINK UP)       COS 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (INDIVIDUAL-LINK UP)       COS 54     OVER RIDE SELECTOR SW (OVER RIDE-OFF)       COS 54     OVER RIDE SELECTOR SW (INDIVIDUAL-DISE)       CONTROL SW (RUN-OFF) SPRING RETURN     CCS 52       CONTROL SW (RUN-OFF) SPRING RETURN     CCS 53       CONTROL SW (OPEN-GLOSE) SPRING RETURN     CCS 54       CONTROL SW (ON-OFF) SPRING RETURN     CCS 55       CONTROL SW (ON-OFF) SPRING RETURN     CCS 55       CONTROL SW (ON-OFF) SPRING RETURN     E       EMERGENCY STOP SW (PUSH BUTTON)     E
NP 55     DISCHARGE VALVE INDIVIDUAL OPERATION (FOR CS 53)       NP 56     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)       NP 58     PUMP SUCTION PRESSURE       COS 51     PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 52     PUMP SELECTION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 52     PUMP SELECTOR SW (VER RIDE-OFF)       COS 54     OVER RIDE SELECTOR SW (VER RIDE-OFF)       CS 51     CONTROL SW (RUN-OFF) SPRING RETURN       CS 52     CONTROL SW (RUN-STOP) SPRING RETURN       CS 53     CONTROL SW (RUN-STOP) SPRING RETURN       CS 54     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 54     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       ES     EMERGENCY STOP SW (PUSH BUTTOM)
NP 56     INFLOW CONTROL VALVE MANUAL OPERATION (FOR CS 54)       NP 57     INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)       NP 57     INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)       PUMP SUCTION PRESSURE     ECOS 51       PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       DOS 52     PUMP SELECTION MODE SW (Na 1+Na 2+Na 2+Na 3+Na 3+Na 3+Na 1)       DC0S 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (MANUAL - AUTO COS 54       OVER RIDE SELECTOR SW (OVER RIDE-OFF)     ES       CONTROL SW (RUN-OFF) SPRING RETURN     CS 52       CONTROL SW (RUN-STOP) SPRING RETURN     CS 53       CONTROL SW (RUN-STOP) SPRING RETURN     CS 54       CONTROL SW (OPEN-QLOSE) SPRING RETURN     CS 54       CONTROL SW (OPEN-QLOSE) SPRING RETURN     CS 55       CONTROL SW (ON-OFF) SPRING RETURN     CS 54       CONTROL SW (ON-OFF) SPRING RETURN     ES       EMERGENCY STOP SW (PUSH BUTTOM)     ES
NP 57     INFLOW CONTROL VALVE AUTO OPERATION (FOR CS 55)       IP 58     PUMP SUCTION PRESSURE       2005 51     PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL LUNK UP)       2005 52     PUMP SELECTION MODE SELECTOR SW (INDIVIDUAL LUNK UP)       2005 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (INDIVIDUAL LUNK UP)       2005 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (INMINIAL - AUTO DOS 54       2005 54     OVER RIDE SELECTOR SW (OVER RIDE OFF)       205 55     CONTROL SW (RN-OFF) SPRING RETURN       205 52     CONTROL SW (RUN-STOP) SPRING RETURN       205 53     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 55     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 55     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 55     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 55     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 64     CONTROL SW (OPEN-CLOSE) SPRING RETURN       205 70     CONTROL SW (PUSH BUTTOM)
NP 56     PUMP SUCTION PRESSURE       COS 51     PUMP OPERATION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 52     PUMP SELECTION MODE SW (INDIVIDUAL-UNK UP)       COS 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 54     OVER RIDE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 54     OVER RIDE SELECTOR SW (INDIVIDUAL-UNK UP)       COS 55     CONTROL SW (ON-FI) SPRING RETURN       CS 52     CONTROL SW (INDIF) SPRING RETURN       CS 53     CONTROL SW (INDIF) SPRING RETURN       CS 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 54     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (PUSH BUTTON)
COS 51     PUMP OPERATION MODE SELECTOR SW (INCIVIDUAL LINK UP)       COS 52     PUMP SELECTION MODE SW (INCIVIDUAL LINK UP)       COS 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (INANUAL - AUTO)       COS 54     OVER RIDE SELECTOR SW (IVER RIDE-OFF)       CS 51     CONTROL SW (ON-OFF) SPRING RETURN       CS 52     CONTROL SW (ON-OFF) SPRING RETURN       CS 53     CONTROL SW (OPEN-GLOSE) SPRING RETURN       CS 54     CONTROL SW (OPEN-GLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (OPEN-GLOSE) SPRING RETURN       CS 56     CONTROL SW (OPEN-GLOSE) SPRING RETURN       ES     EMERGENCY STOP SW (PUSH BUTTON)
2005 52     PUMP SELECTION MODE \$W (No 1+No 2No 2No 2No 3No 3No 1)       2005 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (MANUAL - AUTO COS 54       2005 54     OVER RIDE SELECTOR SW (OVER RIDE-OFF)       205 51     CONTROL SW (ON-OFF) SPRING RETURN       205 52     CONTROL SW (RUA-STOP) SPRING RETURN       205 53     CONTROL SW (RUA-STOP) SPRING RETURN       205 54     CONTROL SW (RUA-OSE) SPRING RETURN       205 54     CONTROL SW (OPEN-GLOSE) SPRING RETURN       205 55     CONTROL SW (RUA-OFF) SPRING RETURN       205 55     CONTROL SW (RUA-OFF) SPRING RETURN       205 56     CONTROL SW (RUA-OFF) SPRING RETURN       205 55     CONTROL SW (RUA-OFF) SPRING RETURN       205 56     CONTROL SW (RUA-OFF) SPRING RETURN       205 58     EMERGENCY STOP SW (PUSH BUTTON)
COS 53     INFLOW CONTROL VALVE OPERATION MODE SELECTOR SW (MANUAL - AUTO COS 54     OVER RIDE SELECTOR SW (OVER RIDE-OFF)       CS 51     CONTROL SW (ON-OFF) SPRING RETURN     COS 52       CS 52     CONTROL SW (RUA-STOP) SPRING RETURN       CS 53     CONTROL SW (RUA-STOP) SPRING RETURN       CS 53     CONTROL SW (RUA-STOP) SPRING RETURN       CS 54     CONTROL SW (RUA-STOP) SPRING RETURN       CS 55     CONTROL SW (RUA-OFF) SPRING RETURN       ES     EMERGENCY STOP SW (PUSH BUTTON)
COS 54     OVER RIDE SELECTOR SW (OVER RIDE-OFF)       CS 51     CONTROL SW (RUA-OFF) SPRING RETURN       CS 52     CONTROL SW (RUA-STOP) SPRING RETURN       CS 53     CONTROL SW (RUA-STOP) SPRING RETURN       CS 54     CONTROL SW (OPEN-QOSE) SPRING RETURN       CS 55     CONTROL SW (OPEN-QOSE) SPRING RETURN       CS 55     CONTROL SW (OPEN-QOSE) SPRING RETURN       ES     EMERGENCY STOP SW (PUSH BUTTOM)
CS 51     CONTROL SW (ON-OFF) SPRING RETURN       CS 52     CONTROL SW (RUN-STOP) SPRING RETURN       CS 53     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       ES     EWERGENCY STOP SW (PUSH BUTTON)
CONTROL SW (RUN-STOP) SPRING RETURN       CS 53     CONTROL SW (PDEN-CLOSE) SPRING RETURN       CS 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       ES     EMERGENCY STOP SW (PUSH BUTTOM)
CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 54     CONTROL SW (OPEN-CLOSE) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 55     CONTROL SW (ON-OFF) SPRING RETURN       CS 56     EMERGENCY STOP SW (PUSH BUTTON)
25 54 CONTROL SW (OPEN-CLOSE) SPRING RETURN 25 55 CONTROL SW (ON-OFF) SPRING RETURN 25 EMERGENCY STOP SW (PUSH BUTTON)
25 55 CONTROL SW (ON-OFF) SPRING RETURN ES EMERGENCY STOP SW (PUSH BUTTON)
ES EMERGENCY STOP SW (PUSH BUTTON)
NP 7 PLIMP No. 3 PANEL (PUTURE)
NP 7 PUMP No. 3 PANEL (FUTURE)
NP 8 BATTERY CHARGER & BATTERY PANEL
NP 11 INPUT AC VOLTAGE
NP 12 CHARGER OUTPUT VOLT/BATTERY TERMINAL
NP 13 BATTERY CHARGE CURRENT
NP 14 BATTERY DISCHARGE CURRENT
VS DC VOLTMETER SELECTOR SW (CH V - BAT. V)

NP 30	DC 110V FEEDER	•
NP 31	DC 110V FEEDER	
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CS DETAIL

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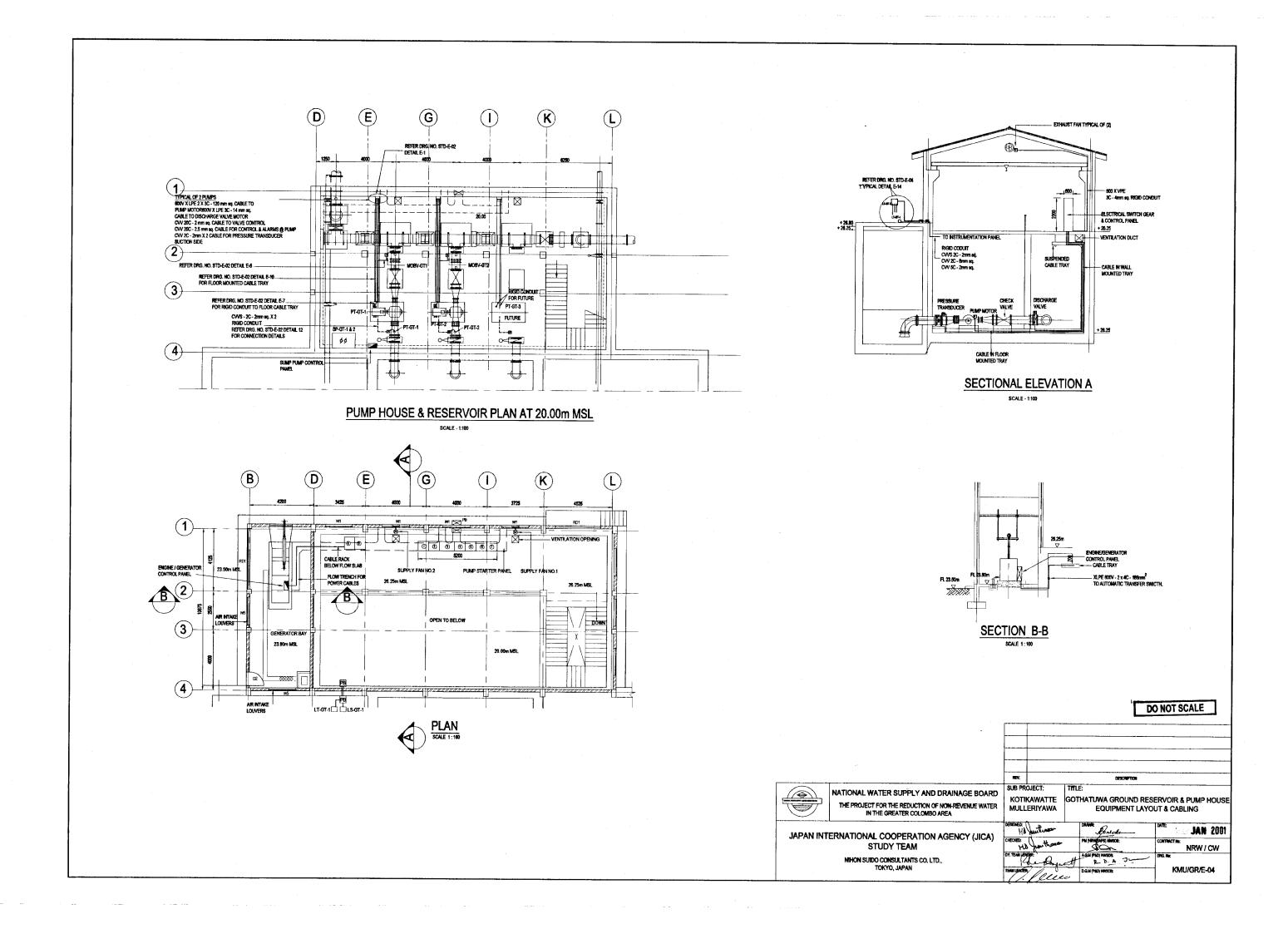


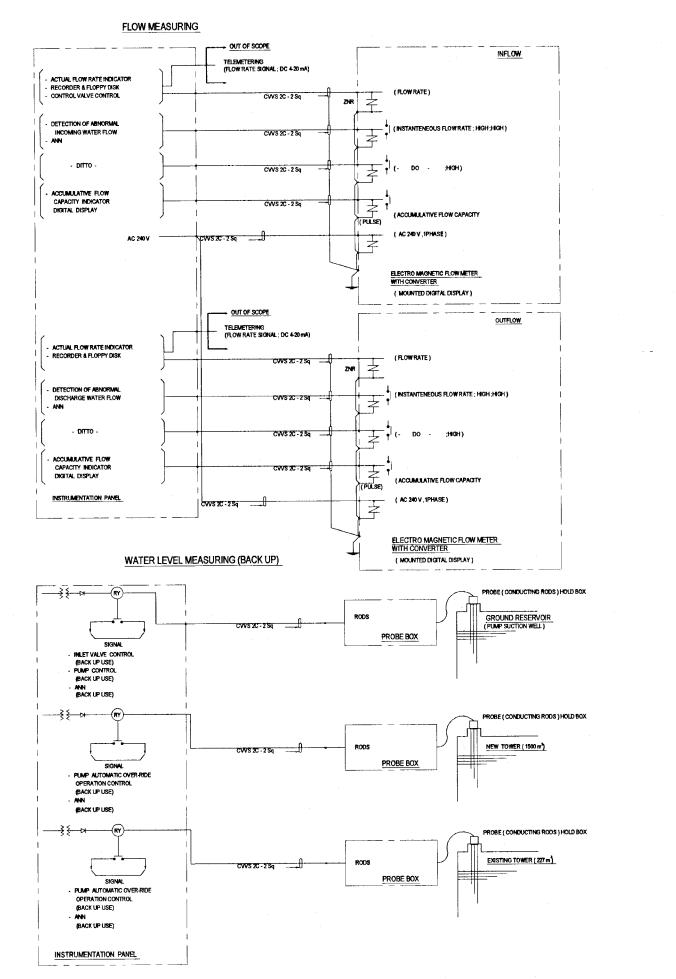
NATIONAL WATER SUPPLY AND DRAINAG THE PROJECT FOR THE REDUCTION OF NON-REVEN IN THE GREATER COLOMBO AREA

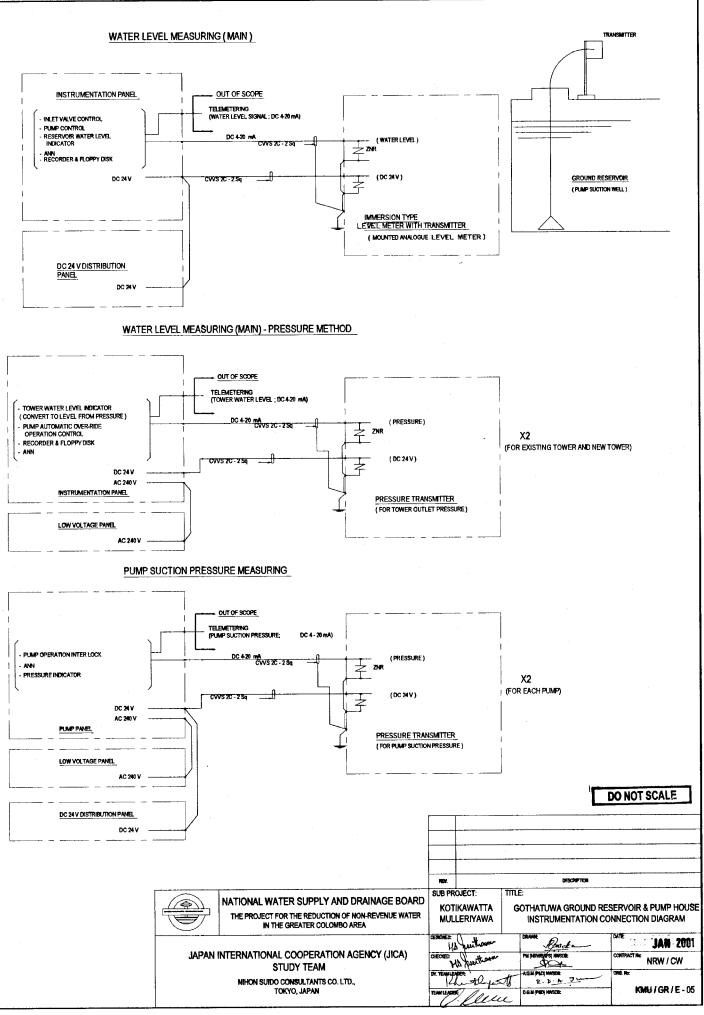
JAPAN INTERNATIONAL COOPERATION AGENCY STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., Tokyo, Japan

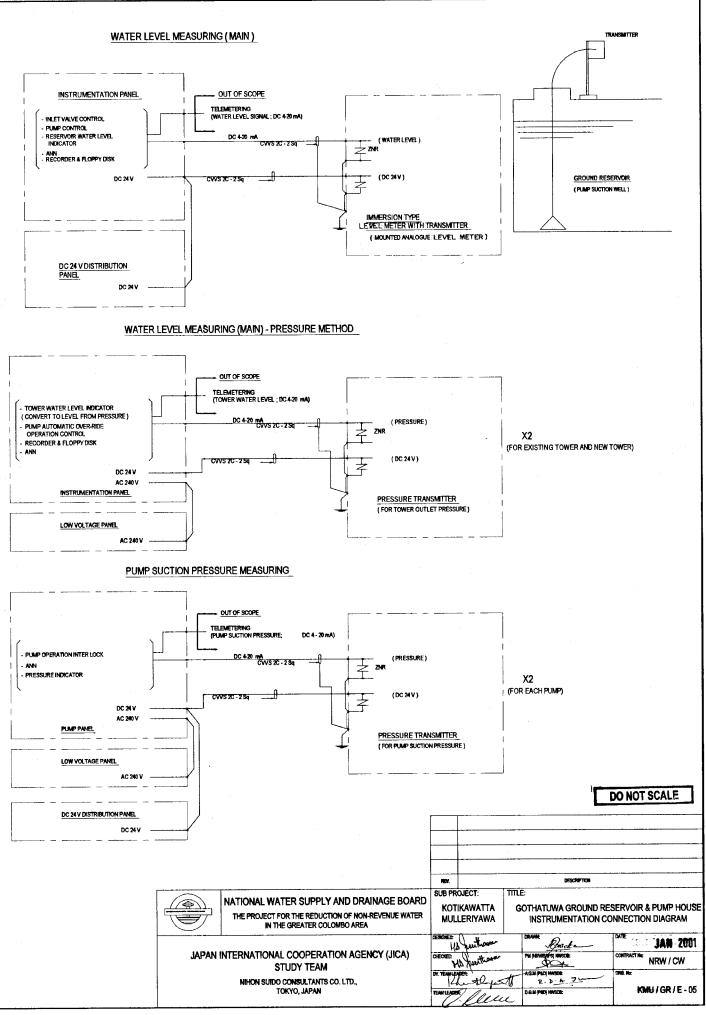
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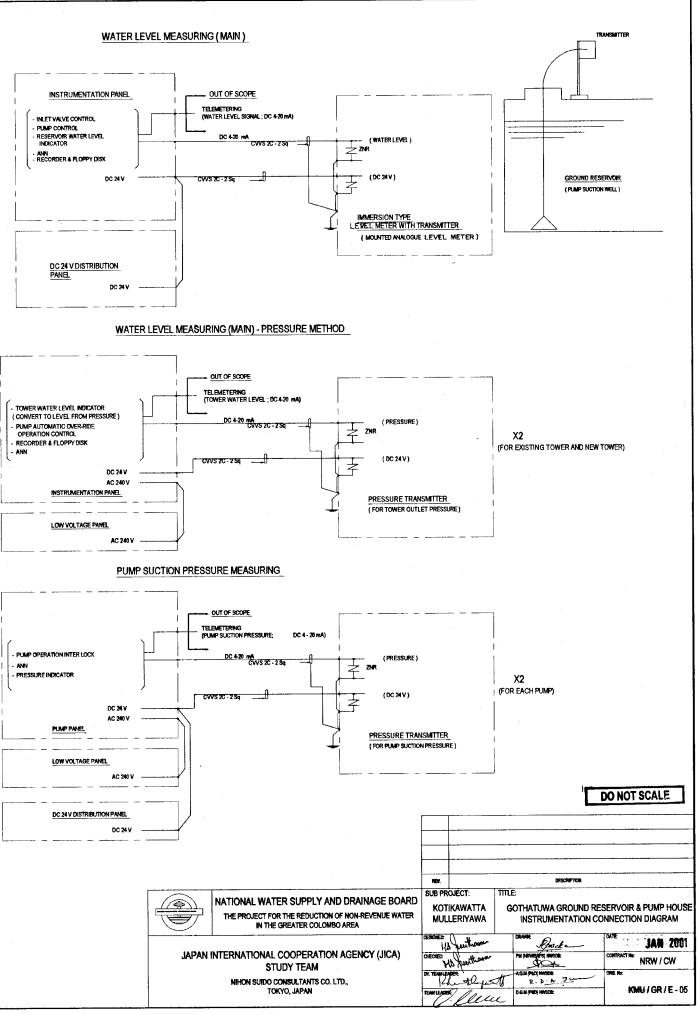
*	R : RED LAMP (LED) FOR CB CLOSE			
	STATUS INDICATION			
P				
*	G: GREEN LAMP (LED)			
	FOR CB OPEN / TRIP STATUS INDICATION			
G				
$\square$	FOR ALSO PUMP "ON" OR		FULLY OPEN", THIS RED LAMP IS APP	LIED
OFF				
+				
	FOR ALSO PUMP "OFF" O	R VALVE	"FULLY CLOSE", THIS GREEN LAMP IS	APPLIED
SPRING - RETURN				
SWITCH HANDLE				
ł				
V) PANEL				
HARGER INCOMING				
UT PUT HARGER INTER CONNEC	TION			
HARGER INTER CONNEC DER -1				
DER -2				
DER -3 DER -1				
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DER 4				
EDER -5	]			
NP NAME PLATE				
PS PUSHBUTTON AS AMMETER SEL	ECTOR SWITCH		•	
VS VOLT METER S	SELECTOR SWITCH			
COS CHANGE OVER	тсн			
UVR UNDER VOLTA	AGE RELAY			
WH WATT-HOUR				
TT TEST TERMINA PT 2RY CIRCUI				
				NOT SCALE
	· NEV.		DESCRIPTION	
	SUB PROJECT:	TITL		
AINAGE BOARD	KOTIKAWATTA		 THATUWA GROUND RESI	ERVOIR & PUMP HOUSE
-REVENUE WATER	MULLERIYAWA		PANEL ARRAN	
				ATT
	Ha Juitionar		Bus at a	JAN 2001
NCY (JICA)	CHECKED HA Just there	-	PM (NEW/BAPS) HWSDE:	CONTRACT NO. NRW / CW
	DY. TEAN LEADER	AL	A.G.M (PAD) HWSDE:	DRG. Na:
4	TEAN LEADER		P. D. A 2.	KM/U/GR/E-03
	Tellu	u		

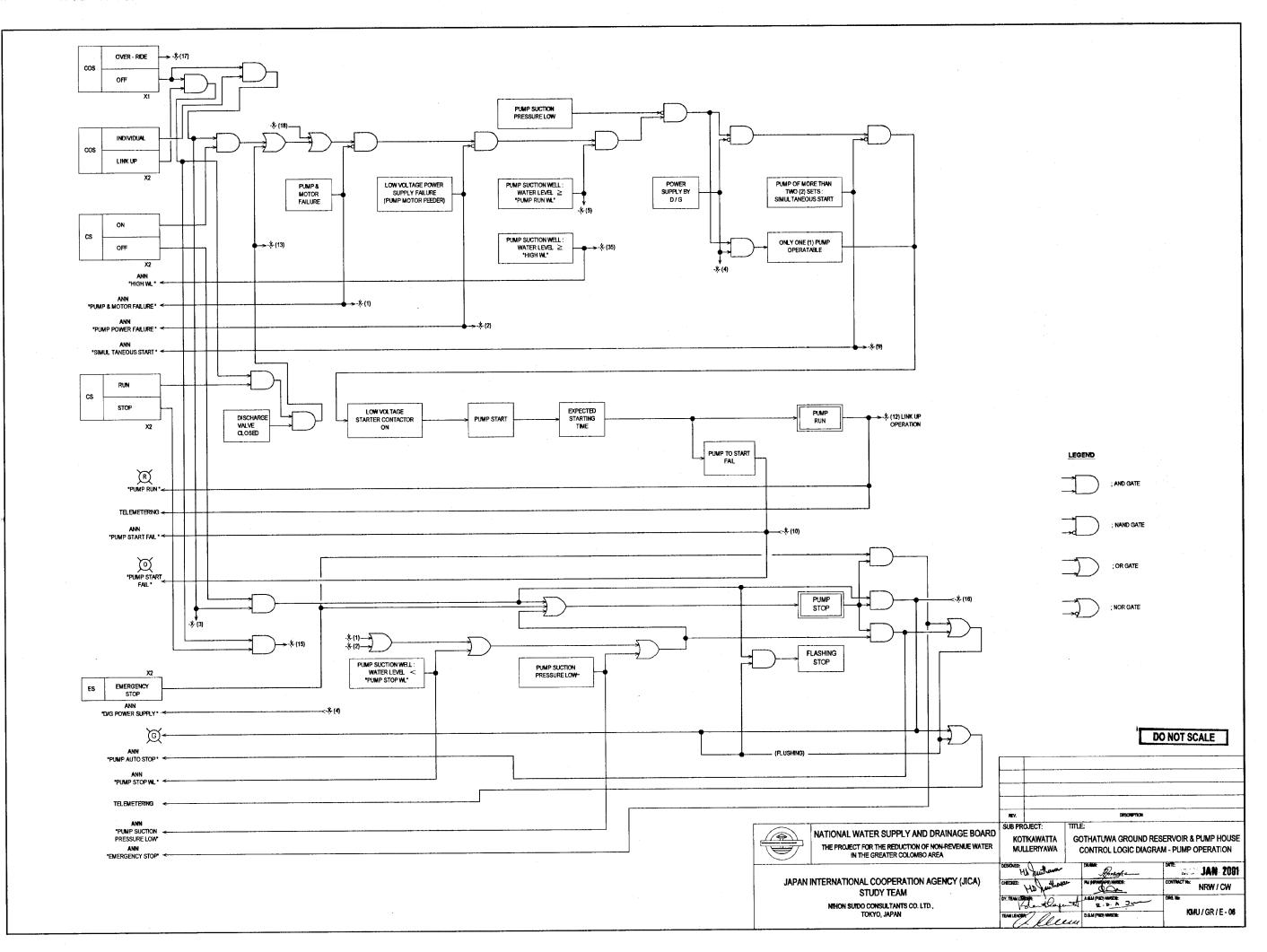




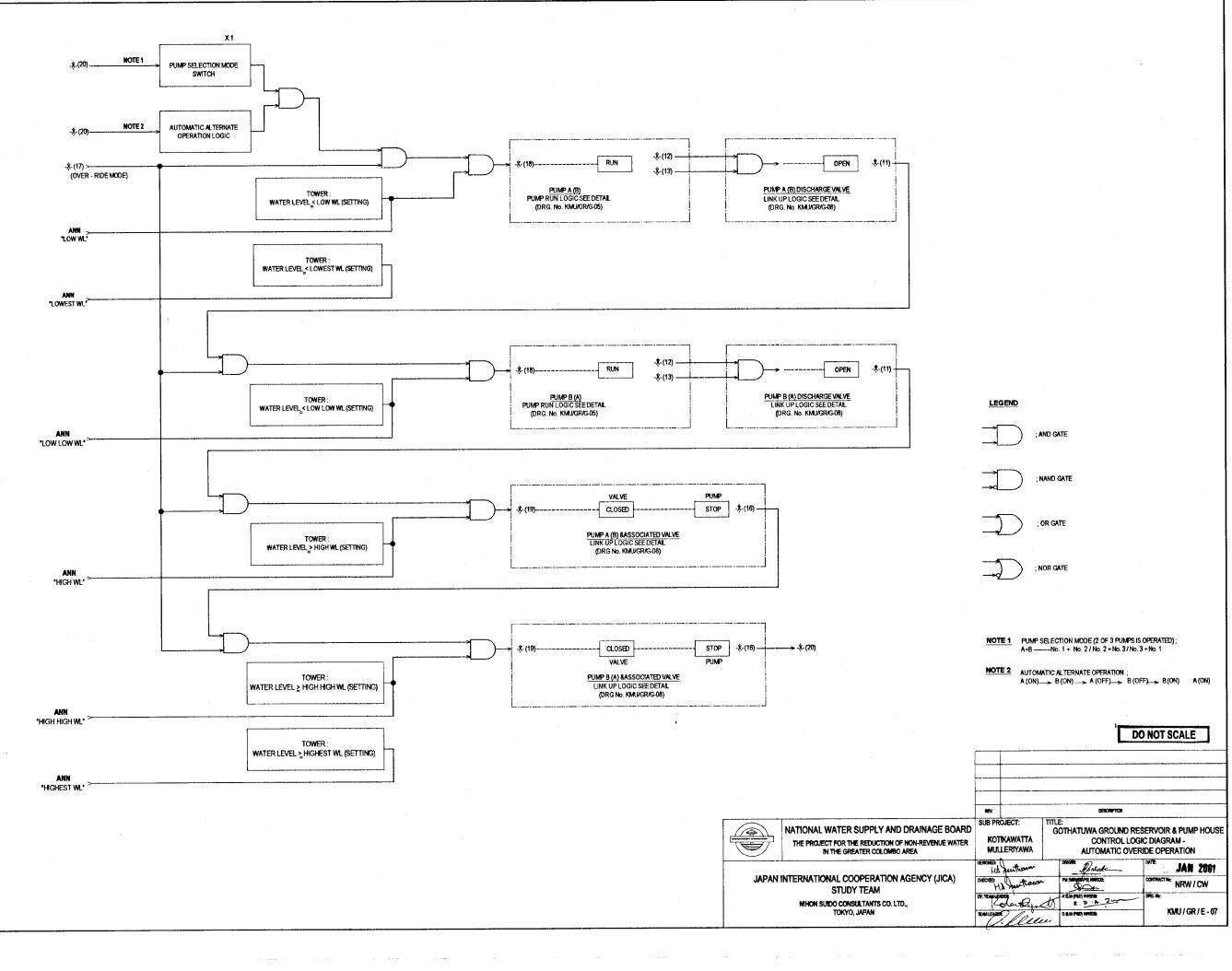


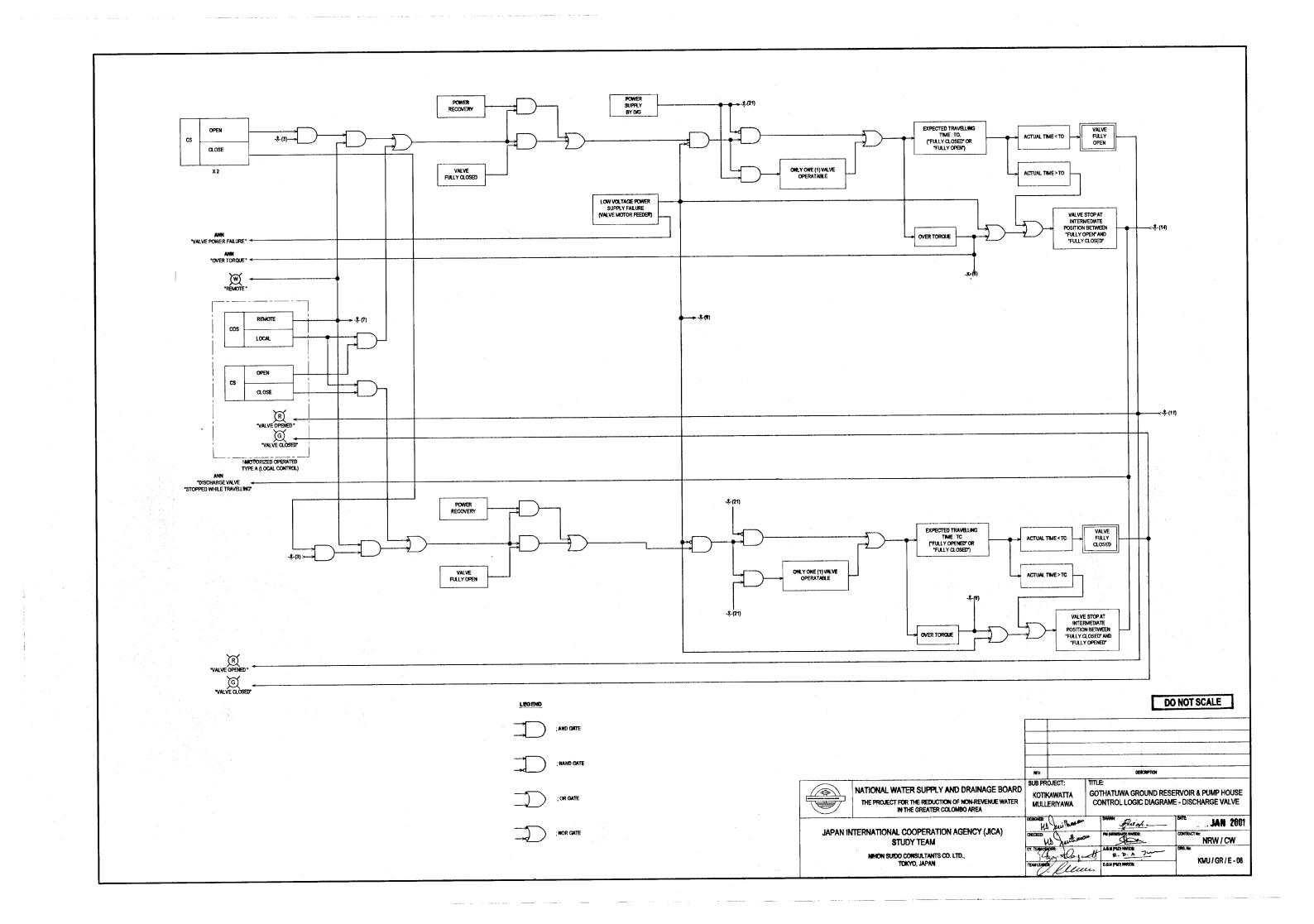


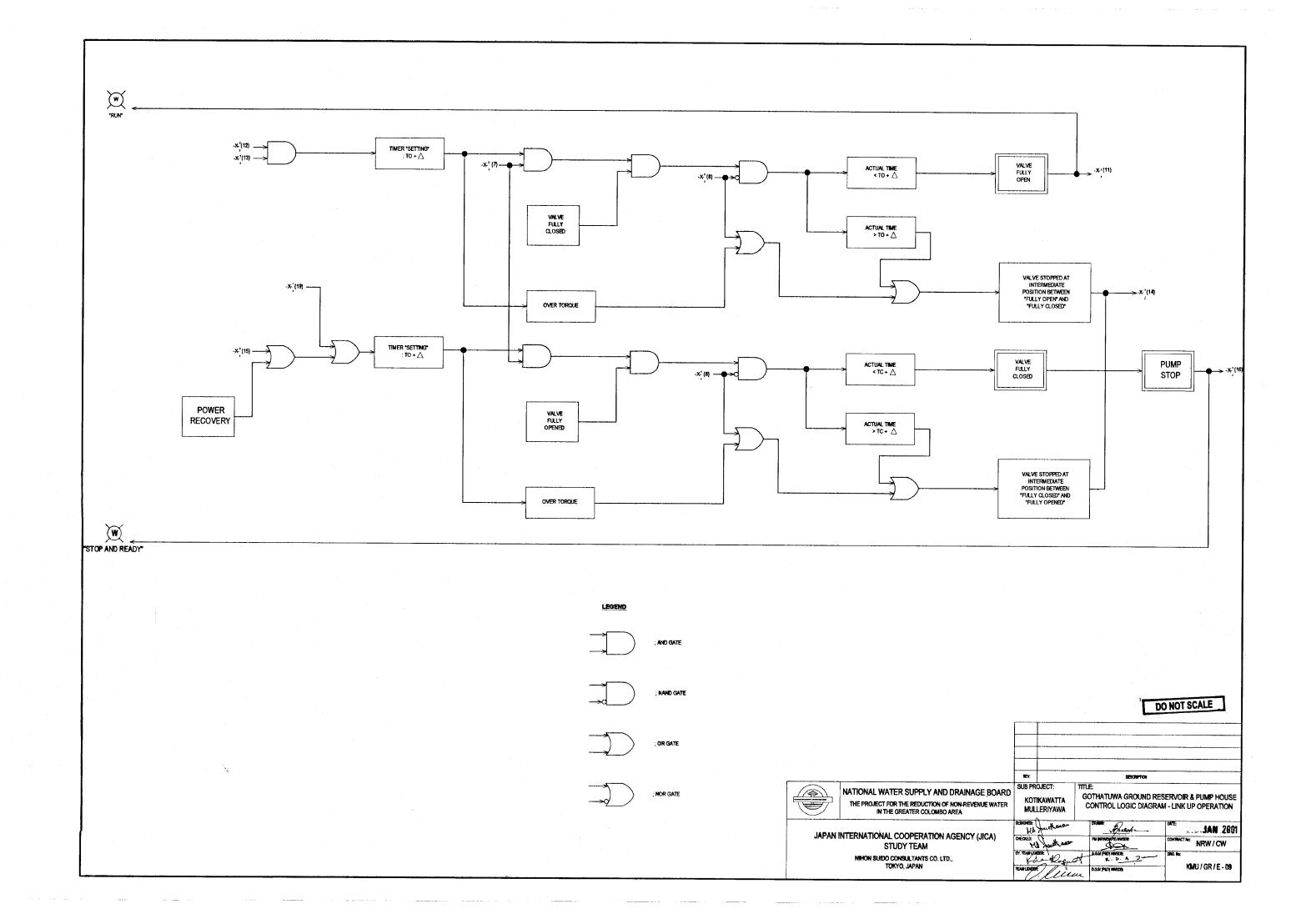


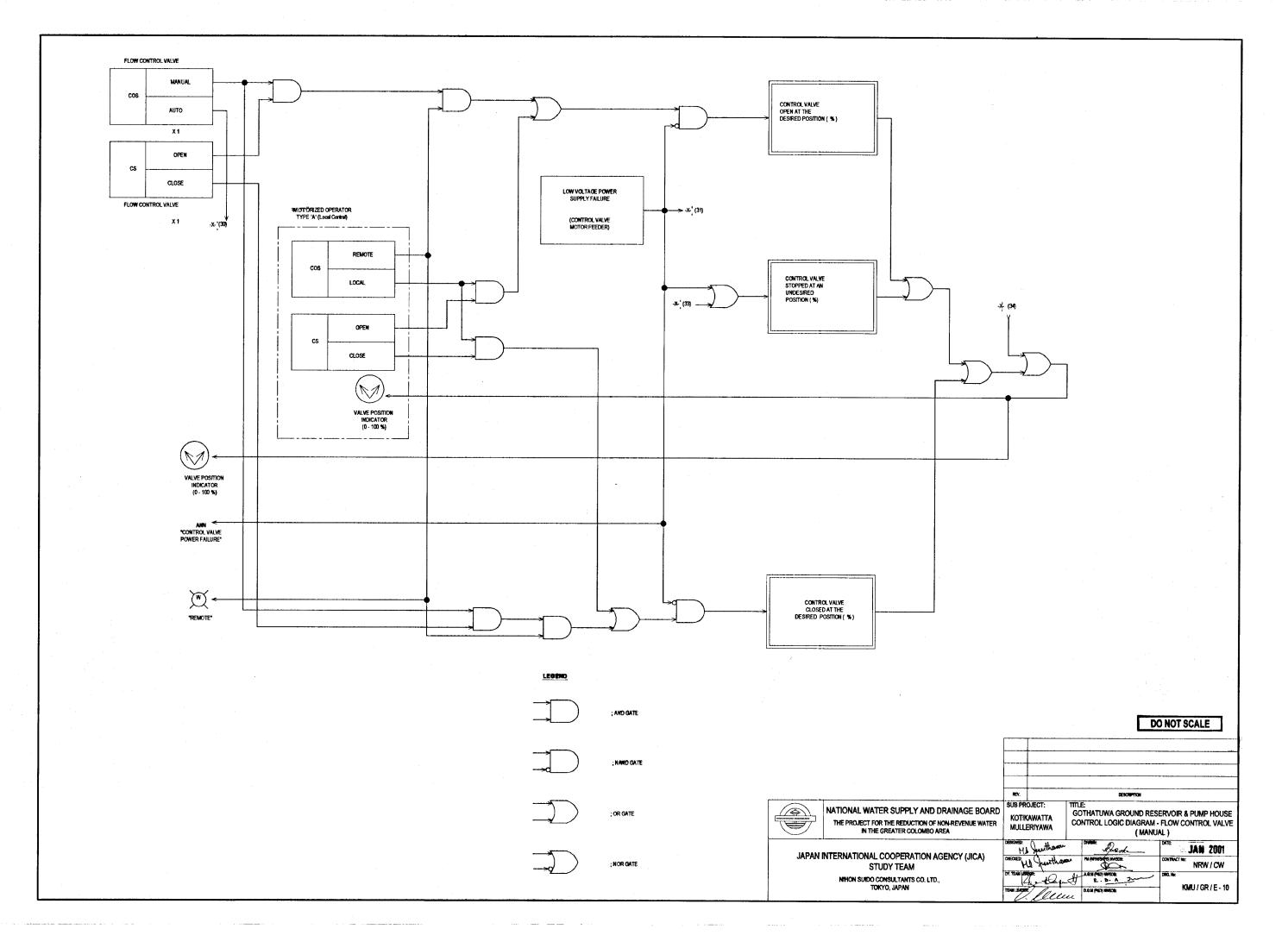


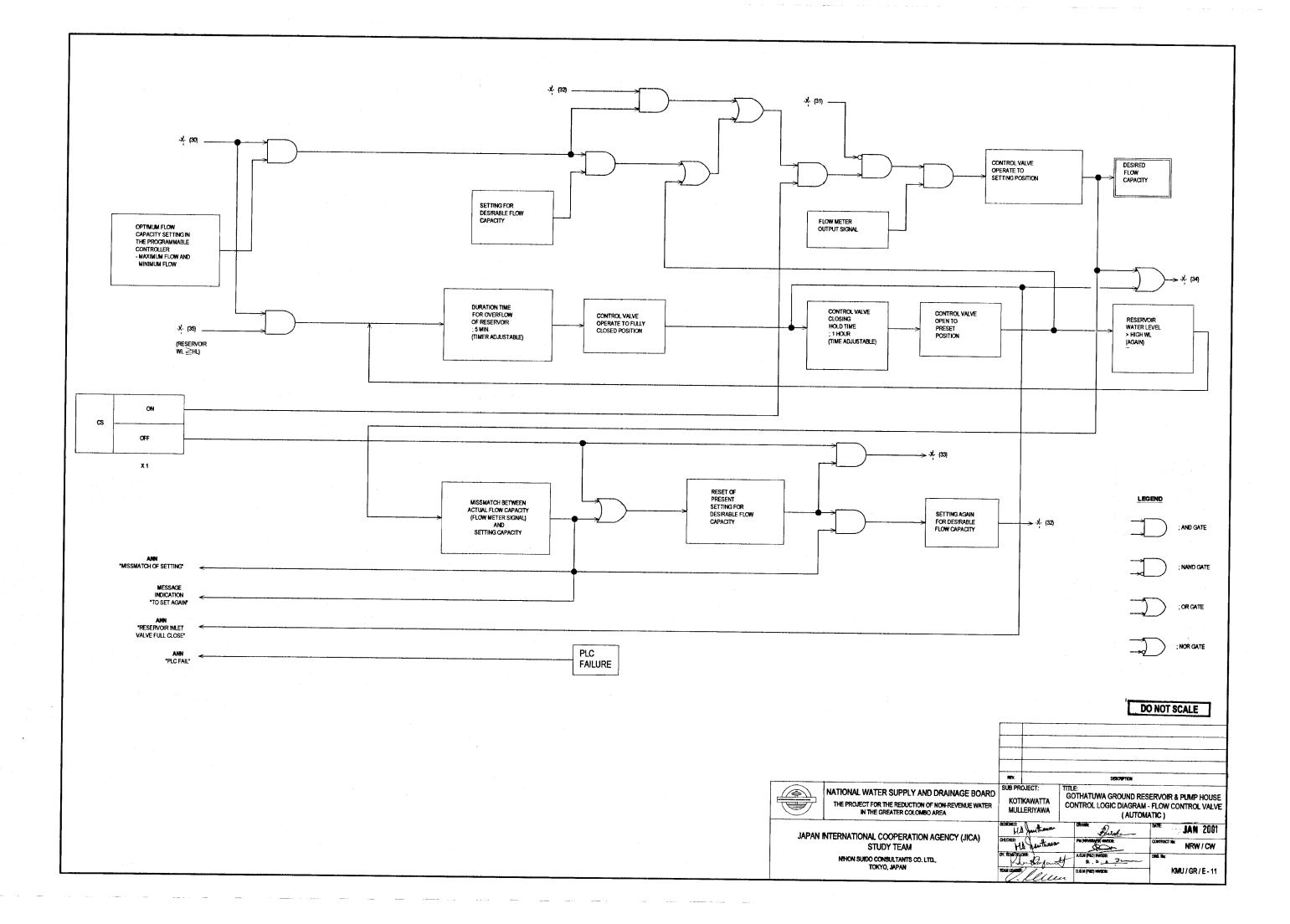
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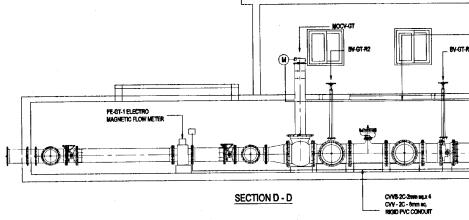


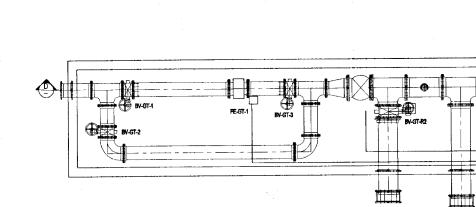








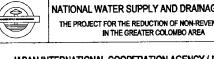




DETAIL - 1

PLAN OF INLET VALVE CHAMBER

SCALE - 1:50

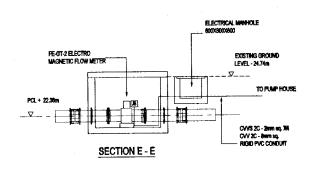


JAPAN INTERNATIONAL COOPERATION AGENCY (JI STUDY TEAM

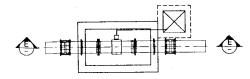
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NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

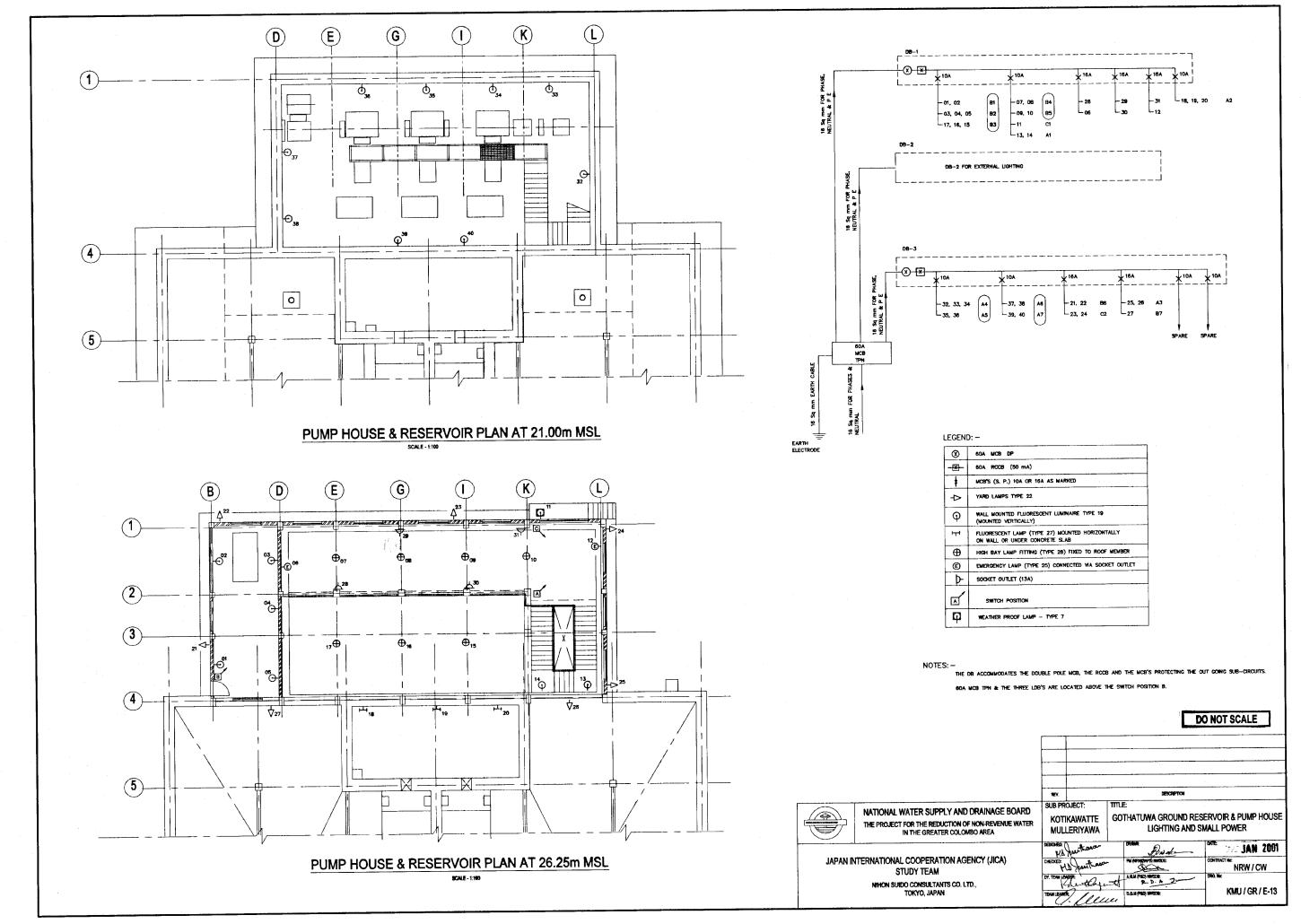


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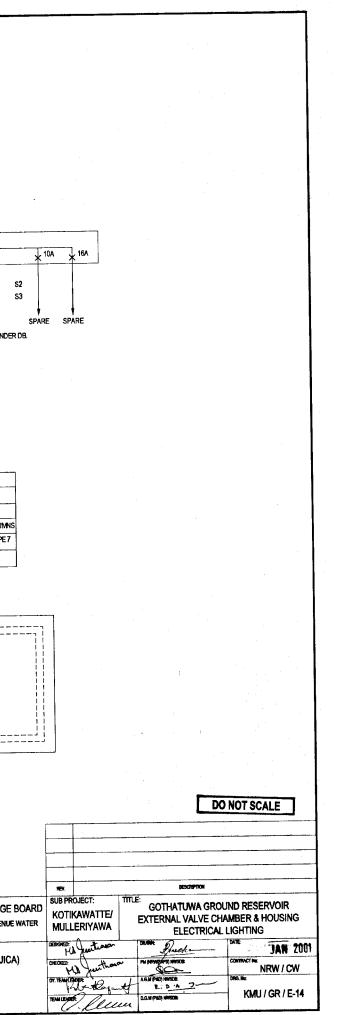
PLAN OF TANK OUTLET FLOW METER CHAMBER SCALE - 1:50

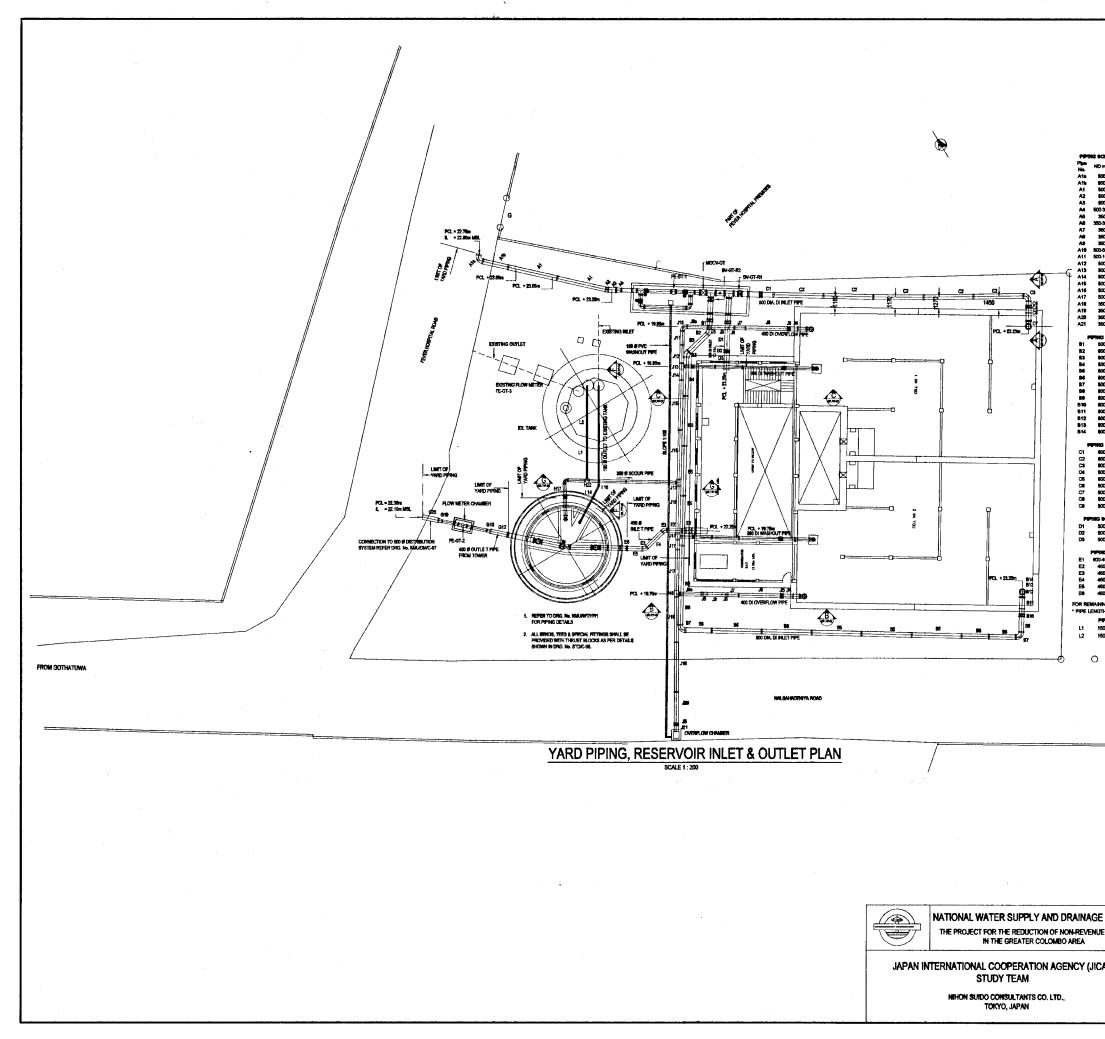
									-
	606 V X LI	PE SC -14mm sq.							
<b>.</b>	CVV 20C -	- 2mm sq. C CONDUIT							
Ц	CONCRE	TE HANDHOLE							
г	600X6003	E	XISTING	GROUND					
			EVEL - 24	4.74m					
╗┼ <del>┍╪</del>	<del>-</del> 71								
<b>↓ ↓ ↓ ↓ ↓</b>		TC	) PUMP I	IOUSE					
	-1	PCL + 23.25m							
╌┤┇┤╶──── ╌┤╴┇┤╶────		PCL+23.20m	-						
		$\nabla$							
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	-11								
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					L	10	NUT SCA	LE	
	NEV.				DESCRIPTION	•			
GE BOARD	SUB PR		ΠΠ GO	E: THATUWA	GROUNT	RESE	RVOIR & PL	MP HOUS	SE
NUE WATER		(AWATTE/ ERIYAWA	60	LOW METE	R CHAM	BERS E	LECTRICAL	POWER	-
							ITATION		
	DESIGNED:	Justiman		BRANNAE FR	sat -	_	J	AN 2001	
ЛСА)	CHEORED:	1 14		Phi (NEWISAPS) H			CONTRACT No:	W/CW	
	1 .	DER (G)	1-	A.G.M (PED) NWSD	<u>-1</u>		ENI: DNO. No:		
	TEANILEAGE	man fut	15	R_D_	1 30		KMU	/GR/E-12	2
			w	Second Land Lange	-				



WIRING SCHEME () = EXISTING GROUND LEVEL - 24.74m DB -<u>®</u>-X 16A 10A ¥ 10A 1, 2, 3 S1 - 4 6, 7, 8.9 S2 PCL + 23.25m L10, 11 L 5 SWITCHES S1, S2 & S3 ARE LOCATED UNDER DB. SECTIONAL ELEVATION 5 AV5 Ö Ø A13 Ō A18 10 LEGEND:-A16 A17 ¹⁰Q RCCB 30A DP MCB (SP) RATING AS MARKED -\* 1 A15 SOCKET OUTLET ON WALLS/COLUMNS Y A15 BULK-HEAD TYPE LUMINAIRE TYPE 7 Q SUSPENDED LUMINAIRE Q DETAIL - 1 PLAN OF INLET VALVE CHAMBER SCALE - 1:200 \_\_\_\_\_ ------Ø 旧 \_\_\_\_\_ \_\_\_\_\_\_ -----\_\_\_\_\_ 1 ROOF PLAN SCALE - 1:50 FLOOR PLAN AT 25.0 MSL SCALE - 1:50 NATIONAL WATER SUPPLY AND DRAINAGE BOARD ()THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

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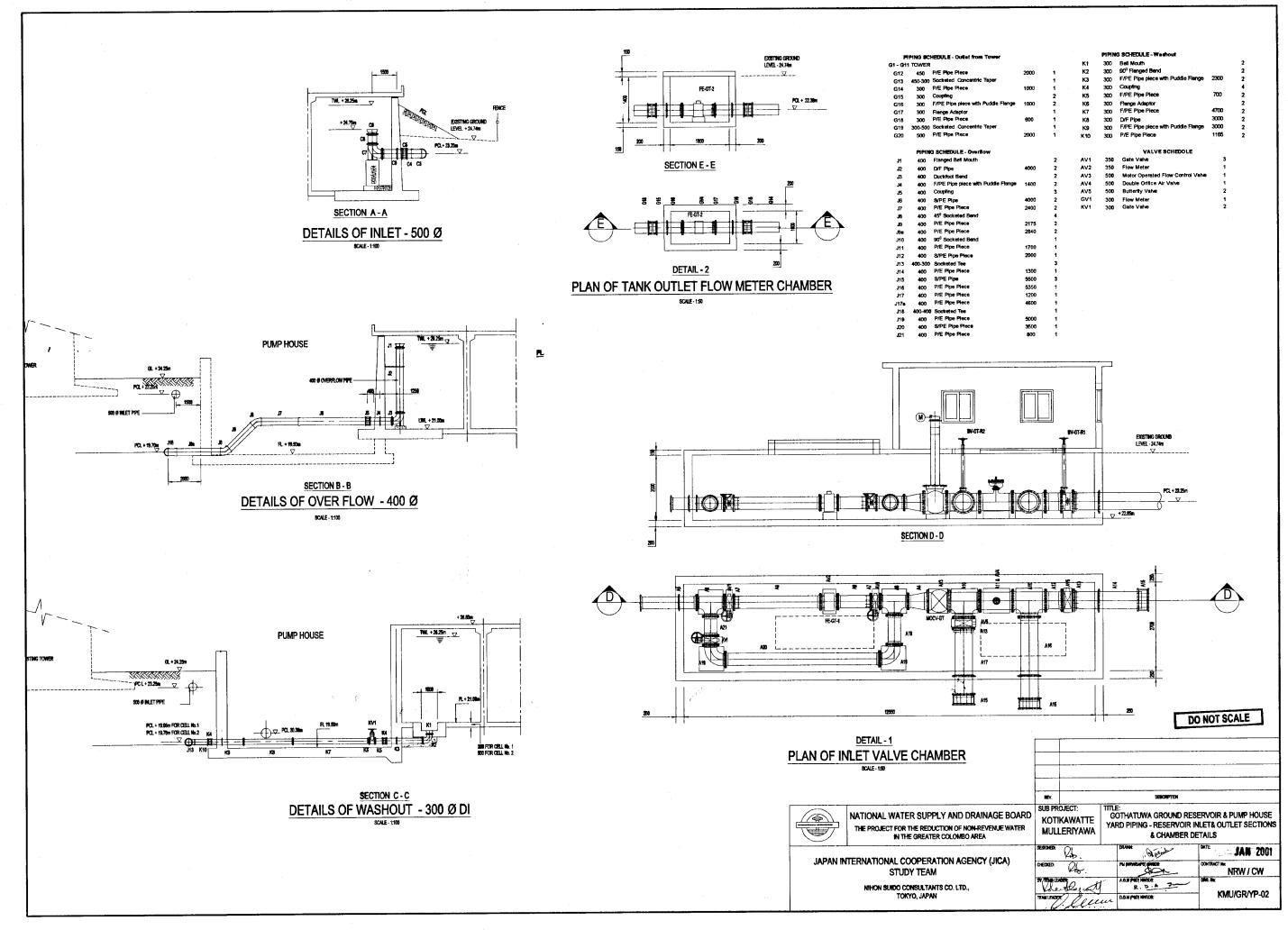




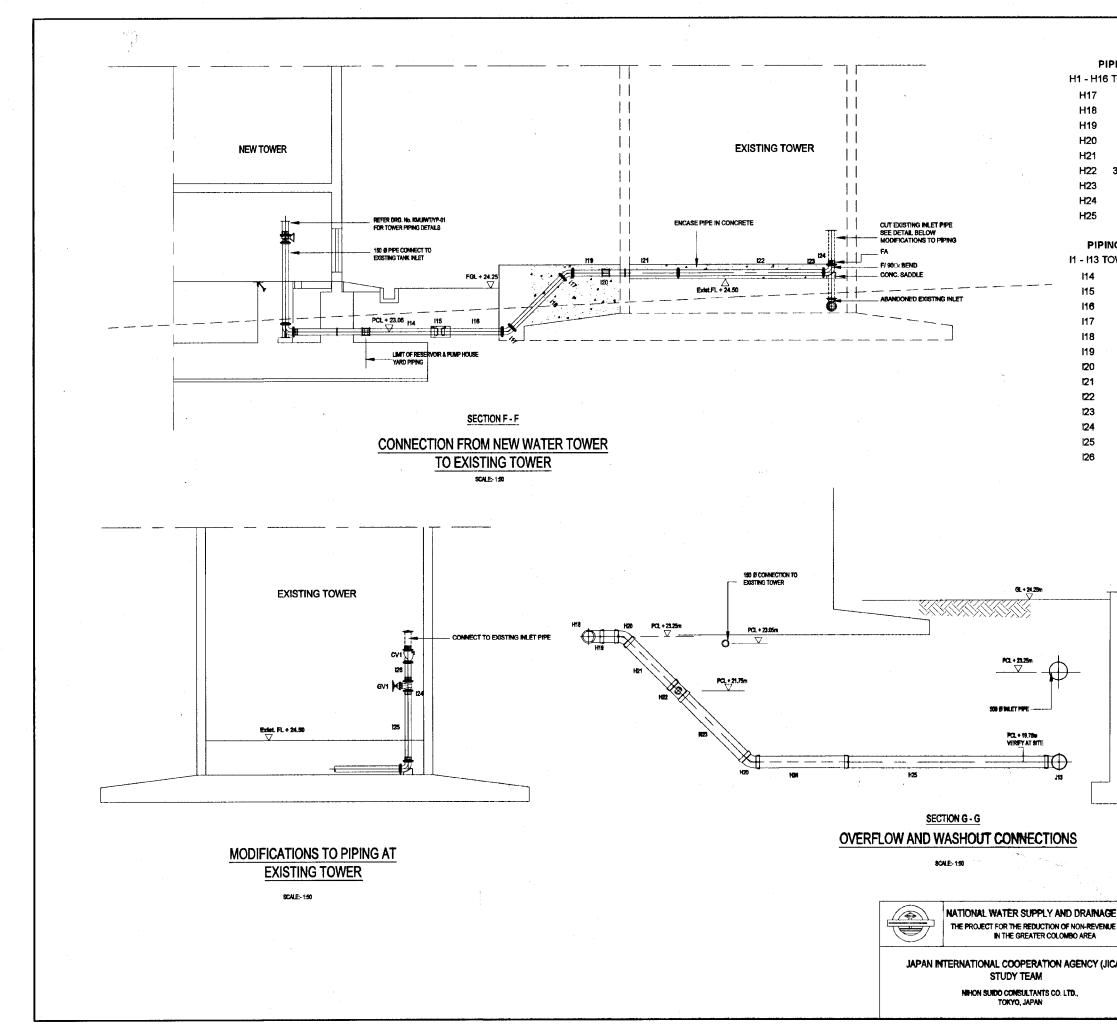
NG SCHE	ULE - From Transmission Main		
NDmm	Description	Length	a
500	90 <sup>4</sup> Socketed Bend		
900 600	P/E Pipe piece	2900 5500	
500	Socket & Spigot Pipe 111/4 <sup>d</sup> Socketed Bend	5500	
600	F/PE Pipe Piece	900	
	Flenged Taper		
350	F/PE Pipe piece with Puddle Flange Flanged Tee	1725	
360	Flange Adaptor		
360	F/PE Pipe Piece	2500	
350	F/PE Pipe Piece Flanged Tee	1000	
500-100	Air Valva Tas		
500	D/F Pipe Piece	600	
500 500	Range Adeptor P/E Pipe piece with Puddle Flange	2000	
	Coupling	2000	4
500	P/E Pipe place with Puddle Plange	2500	
	F/PE Pips Piece	2000 880	
	D/F Pipe Piece Renged Bend	880	
350	D/F Pipe Piece	4700	
350	D/F Pipe Piece	600	
-	HEDULE - Injet to Reservoir		
	P/E Pipe Plece	1200	
\$00 \$00	45 <sup>0</sup> Socketed Bend	3000	1
	P/E Pipe Piece P/E Pipe Piece	4400	
500	Socket & Spigot Pipe	5500	
	Socket & Spigot Pipe	3225	1
500 600	90 <sup>3</sup> Socketed Bend P/E Pipe Piece	3000	
	P/E Pipe Piece	1900	
600	Coupling		
\$00 \$00	F/PE Pipe Piece 90 <sup>0</sup> Duckfort Bend	1900	
500	F/ Pipe Piece	620	
600	Flanged Bell Mouth		
	HEDULE - Injet to Reserveir		
	P/E Pipe Piece	1400	
	Socket & Spigot Pipe	5500	
900 500	90 <sup>o</sup> Socketed Band P/E Pipe Piece	575	
	Coupling		
	F/PE Pipe piece with Puddle Flange	1300	
500 500	90 <sup>0</sup> Ducktot Bend F/ Pipe Piece	620	
500	Renged Bell Mouth	620	
500	EDULE - Inlet to Pump House P/E Pipe Piece	3200	
500	Coupling	3200	
500	F/PE Pipe place with Puddle Flange	2000	
	CHEDULE - Iniet to Tower		
600-450	Socketed Concentric Taper		
	P/E Pipe Piece	1750	
450 450	45 <sup>9</sup> Socketed Bend P/E Pipe Piece	2525	- 3
460	P/E Pipe Piece	1750	:
450	Coupling		
	SCHEDULE REFER DRG. No. KMU/G		
ENGTH M	AY VARY DEPEND ON SITE CONDIT	ION	
	G SCHEDULE - Scour from Existing		
	S/PE Pipe Piece	4700	1
150	S/PE Pipe	5500	1

TO KALAPALUWAWA

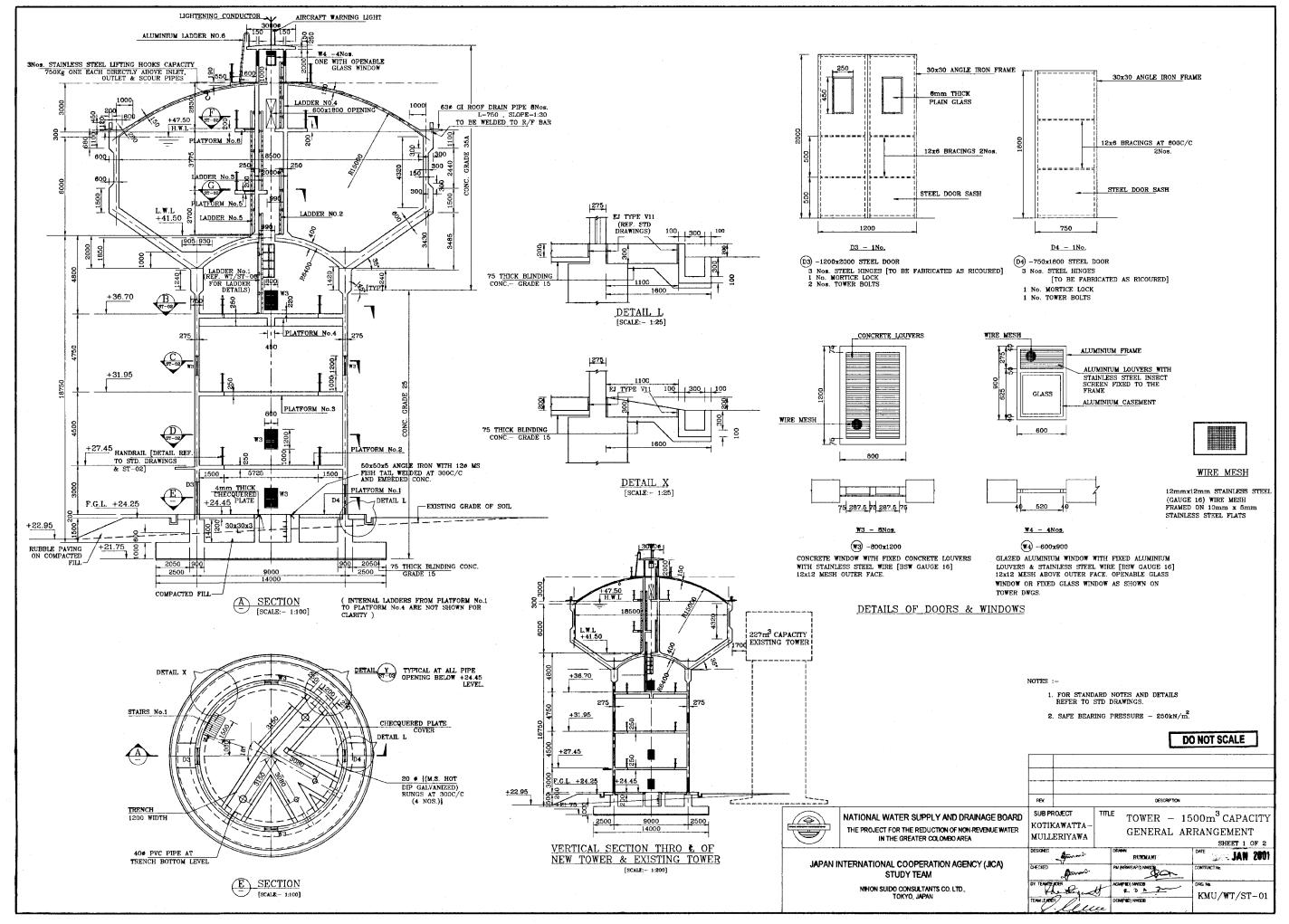
		SPR CALARA	Chinese Active		O NOT SCALE
			<u> </u>	· · · · ·	
	NEV.			DESCRIPTION	
GE BOARD WE WATER	MULL	oject: Kawatta/ Leriyawa		THATUWA GROUND RESI RD PIPING - RESERVOIR	
CA)	DESIGNED:	Rob.		DRAMA:	JAN 2001
unj	CHECKED:	Po.			NRW / CW
-	DY. TEAN LEADER		IJ UM	A & M PADI HINSOR R.D.A.J. D.G.M (PAD) HINSOR	KMU/GR/YP-01



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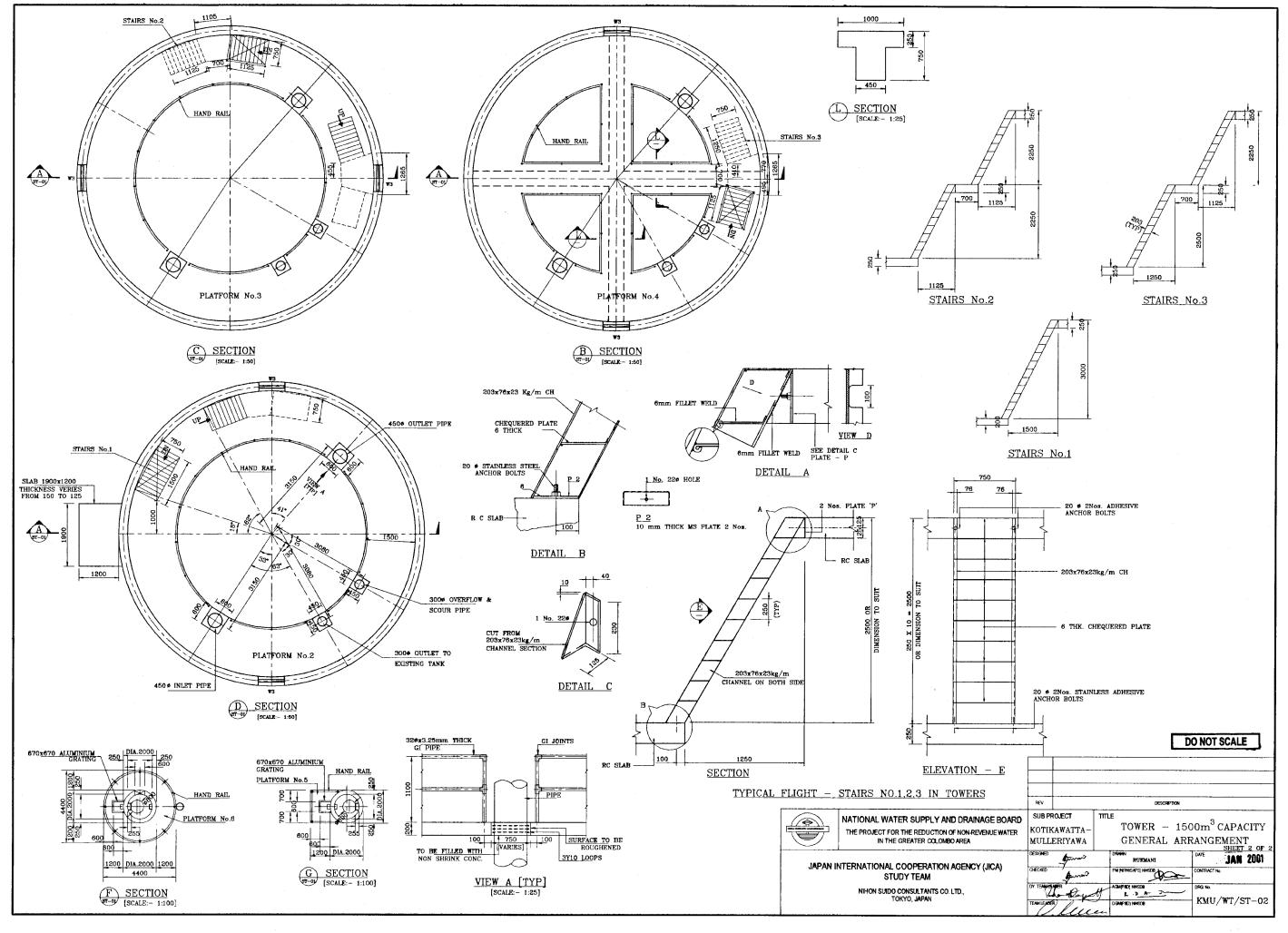


ING SC	HEDULE - Scour from Tower				
TOWER					
300	P/E Pipe Piece	1500	1		
300	90 <sup>0</sup> Socketed Bend		1		
300	P/E Pipe Piece	500	1		
300	45 <sup>0</sup> Socketed Bend		2		
300	P/E Pipe Piece	1800	1		
300-150	Socketed Tee		1		
300	P/E Pipe Piece	2475	· 1		
300	P/E Pipe Piece	2535	1		
300	S/PE Pipe	5500	1		
IG SCHE Wer	DULE - Inlet to Existing Tower				
	P/E Pipe Piece	4000			
150	22 1/2 <sup>0</sup> Socketed Bend	1900	1		
150	F/PE Pipe Piece	1675	1		
150 150	45 <sup>0</sup> Flanged Bend	1675	1 2		
150	D/F Pipe Piece	1960	2		
150	F/PE Pipe Piece	890	1		
150	Coupling	030	1		
150	F/PE Pipe Piece with Puddle Flange	1975	1		
150	D/F Pipe	4000	1		
150	90 <sup>o</sup> Flanged Bend	,000	1		
150	Flange Adaptor 4				
150	P/E Pipe Piece (Length to suit site)	1825	1		
150	F/PE Pipe Piece	500	1		
	···· _ · · <del>, ·</del> · · · · · · · ·				
	Valve Schedule				
GV1	Gate Valve	. 1			
CV1	Check Valve	1			
	· · ·				
	PUMP HOUSE				
	<sup>1</sup> / <b>r</b>	DO NOT S			
	L				
E BOARD	SUB PROJECT: TITLE: GOTHATUWA GROUND F	RESERVOIR & I	NUMP HOUSE		
E WATER	KOTIKAWATTA/ YARD PIPING - CO MULLERIYAWA OF FXISTING				
	MULLERITAVYA OF EXISTING	& NEW TOWE	ĸ		
1 1	Har. Quinto		<b>JAN 20</b> 01		
<b>(A</b> )	CHECKED: Patro	CONTRACT No:	NRW / CW		
	HARDER CALL ASSIMUTE	DRG. No:			
		- KMł	I/GR/YP-03		
	The Course D.G. M. (MISO):	1.000			

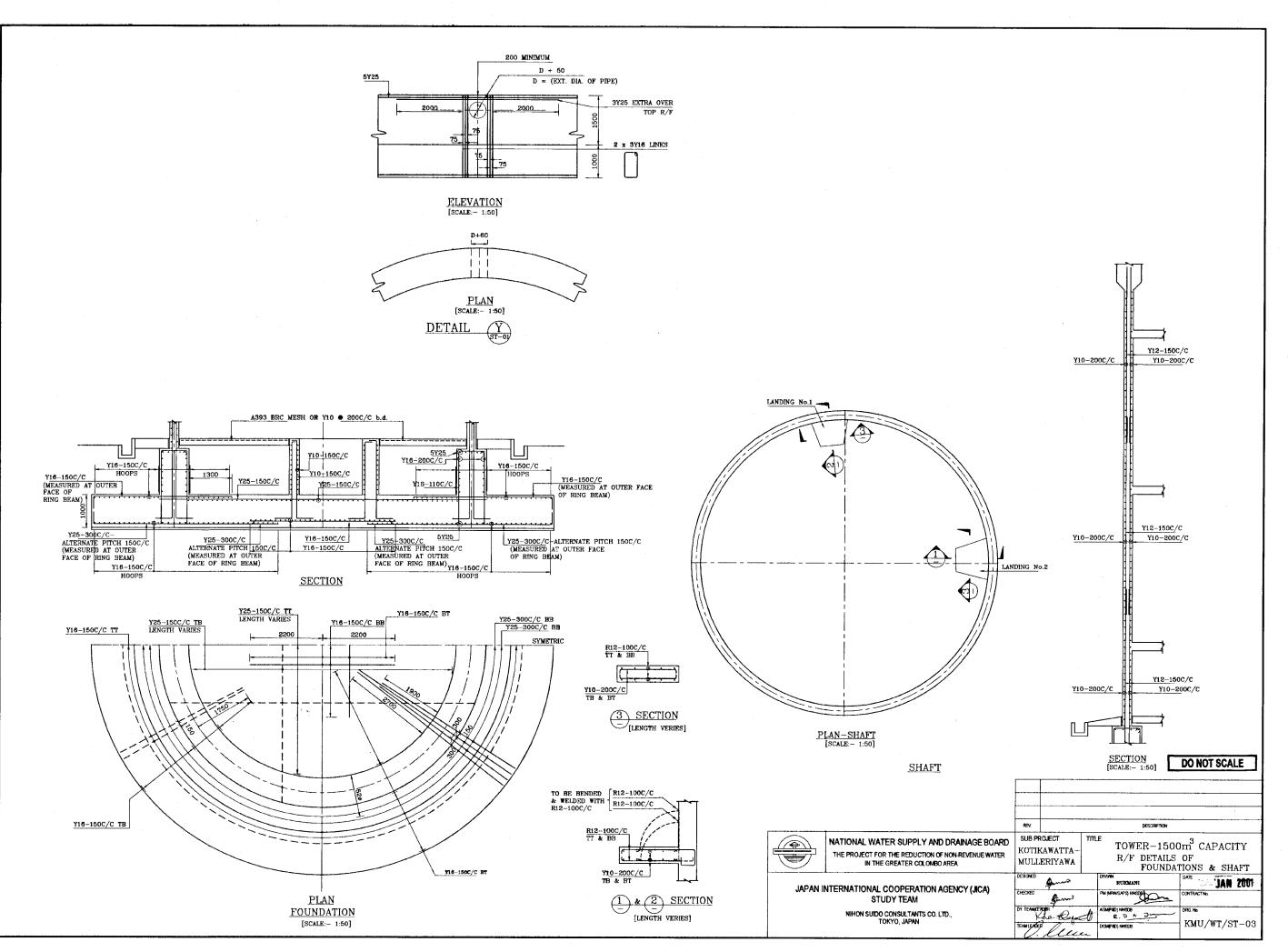


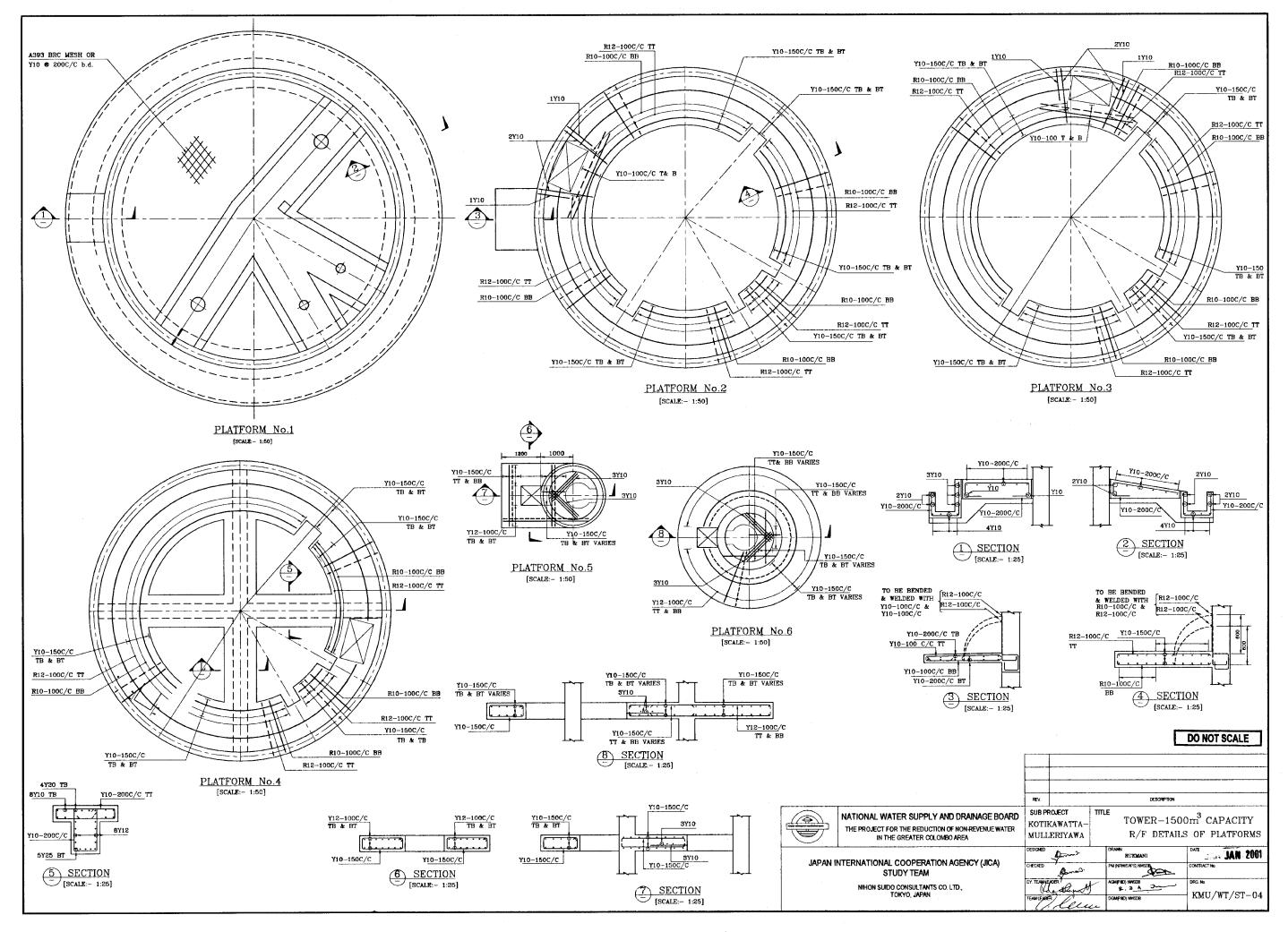
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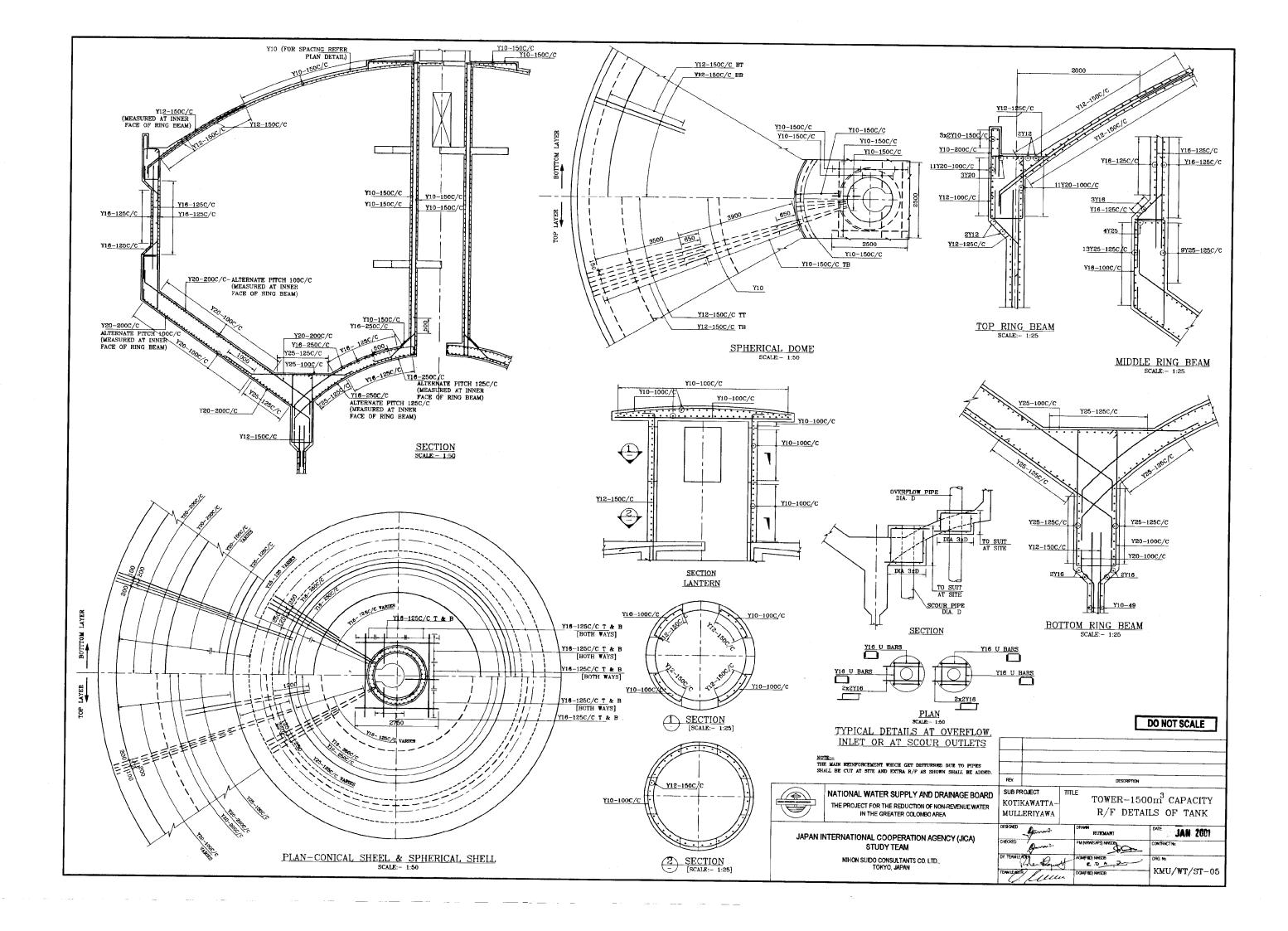


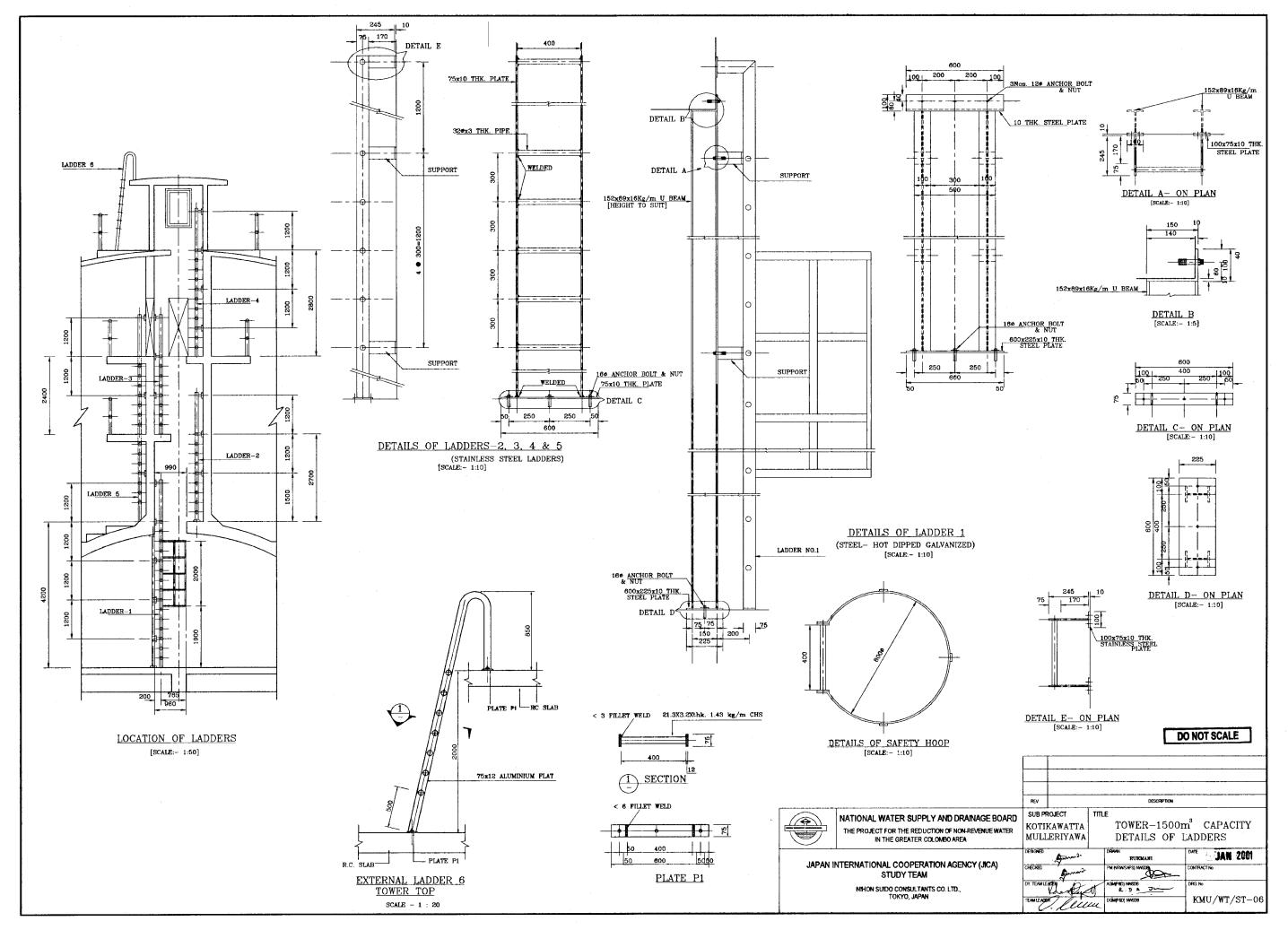
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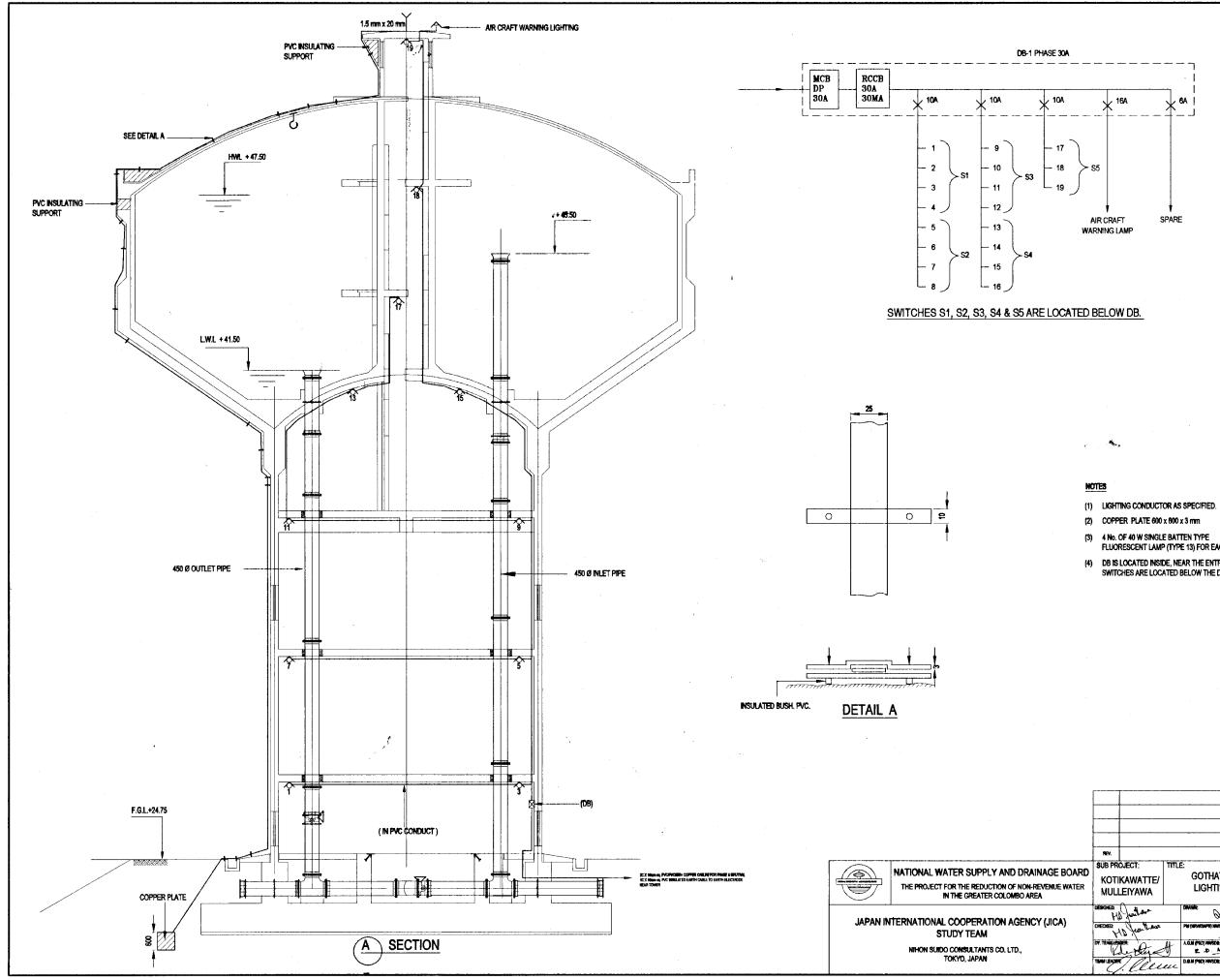
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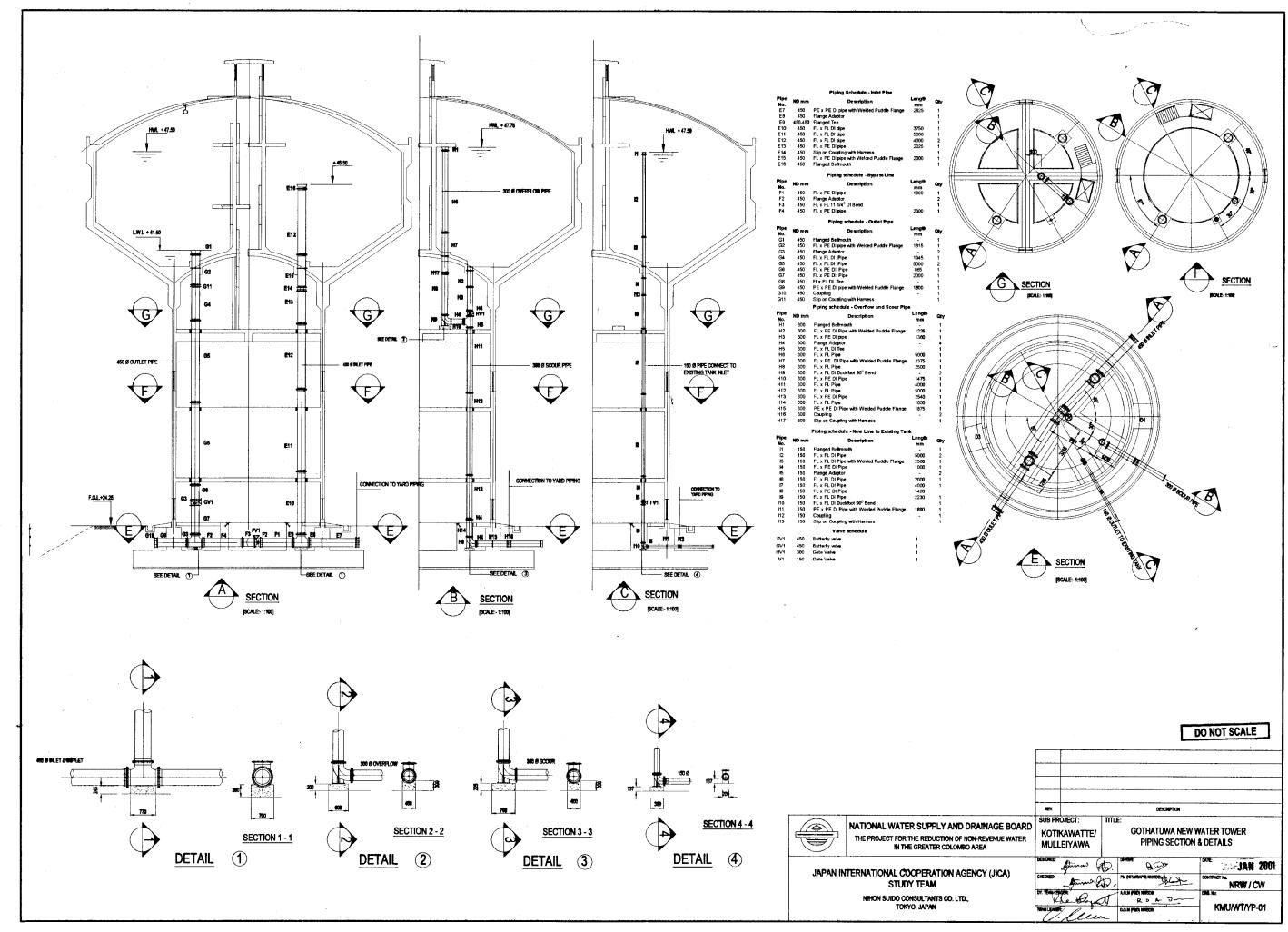
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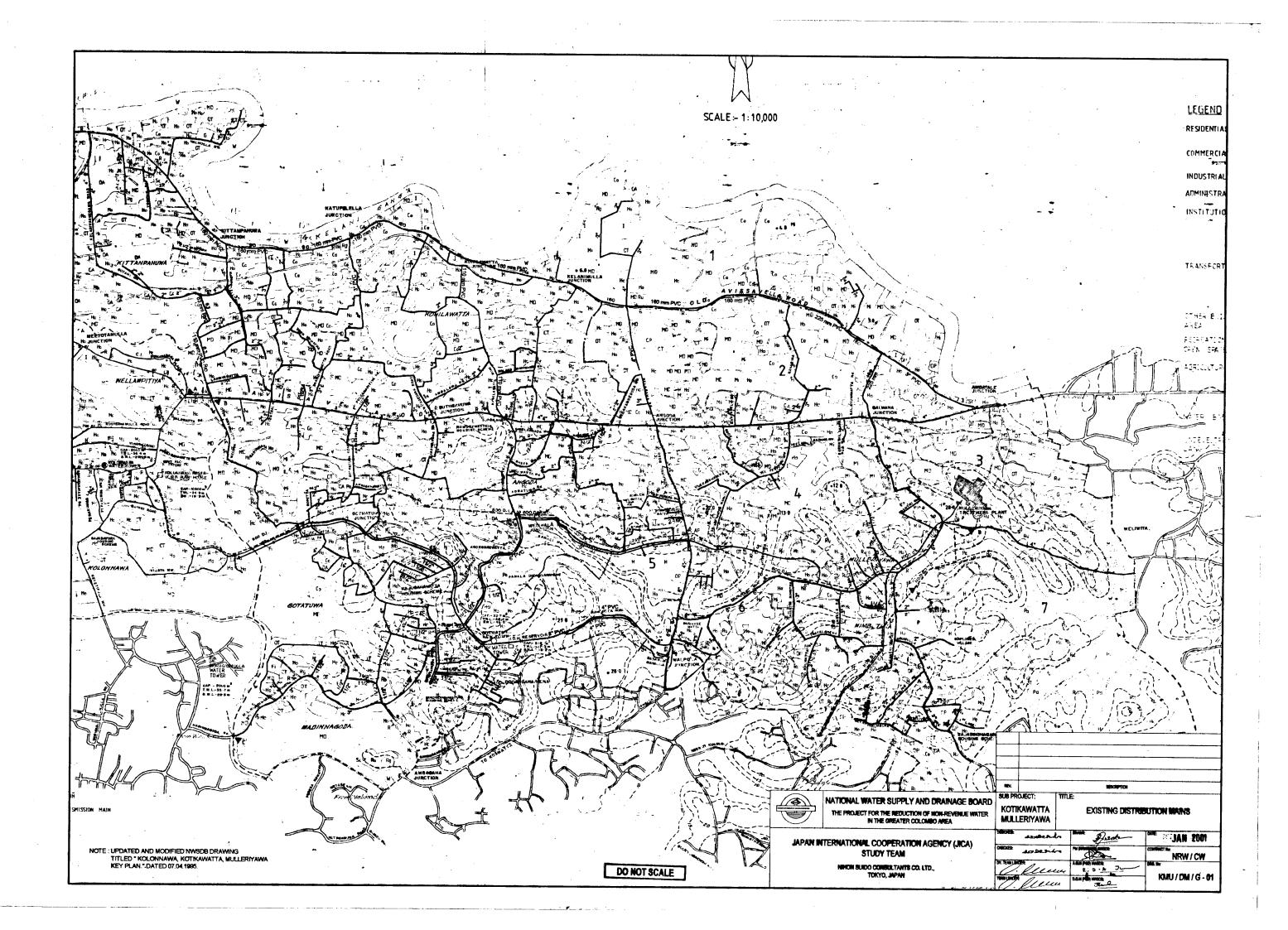
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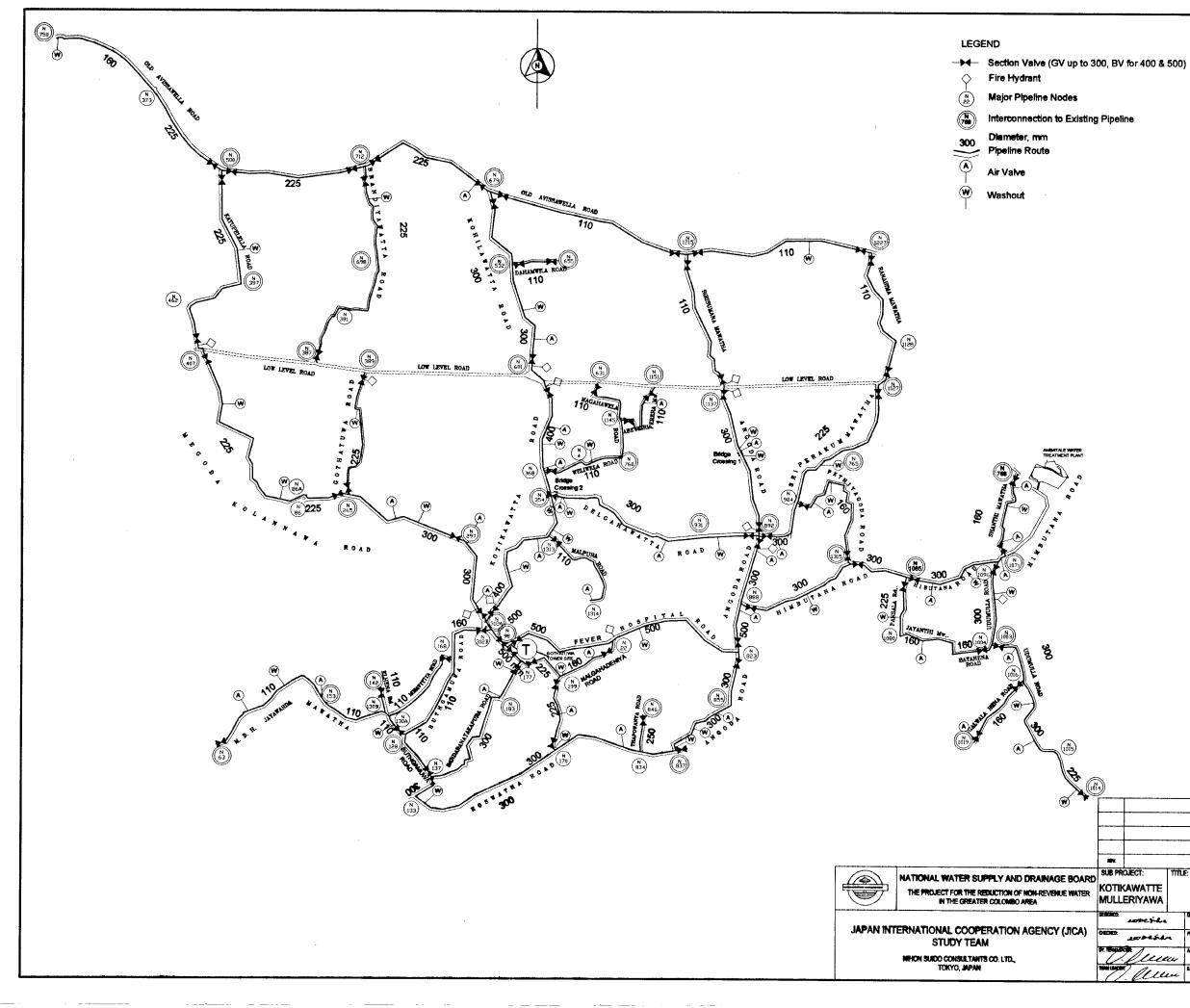


- (3) 4 No. OF 40 W SINGLE BATTEN TYPE FLUORESCENT LAMP (TYPE 13) FOR EACH PLATFORM
- (4) DB IS LOCATED INSIDE, NEAR THE ENTRANCE. SWITCHES ARE LOCATED BELOW THE DB.

				DON	DO NOT SCALE		
	88V.			DESCRIPTION			
E BOARD	SUB PR	oject: Kawatte/ Leiyawa	TITL				
CA)	DESIGNED:			ONAMAR OF Similar	JAN 2001		
	CHECKED HD fronthand			PM (NEW/SAPS) MNSDB:	CONTRACT NE: NRW / CW		
	DY. TEAM LEA	letty <	ff ecc	A CON (PRD) INISOB: R. D. A. D. D. G.M. (PRD) INISOB:	<sup>DRG.</sup> 111: KMU / WT / E / 01		







)			DO NOT SCALE
		DECREMON	
UB PROJECT: TITLI COTIKAWATTE IULLERIYAWA		E DISTRIBUTION MAIN KEY MAP - PROPOSED	
	esien		INTE JAN 2007 CHITMOTORE NRW/CW SHILE KMU/DM/G/02
	UB PROJECT: OTIKAWAT IULLERIYA	UB PROJECT: OTIKAWATTE IULLERIYAWA	INV. DECONTON UB PROJECT: OTIKAWATTE ULLERIYAWA DISTRIBUTION M MAP - PROPO DISTRIBUTION M MAP - MARCHAN DISTRIBUTION M MAP - MARCHAN MARC