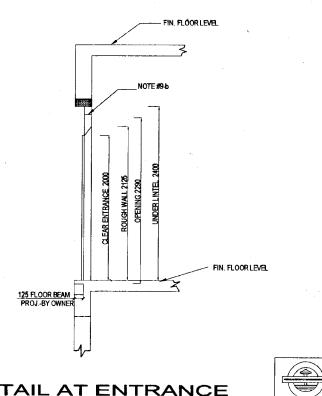


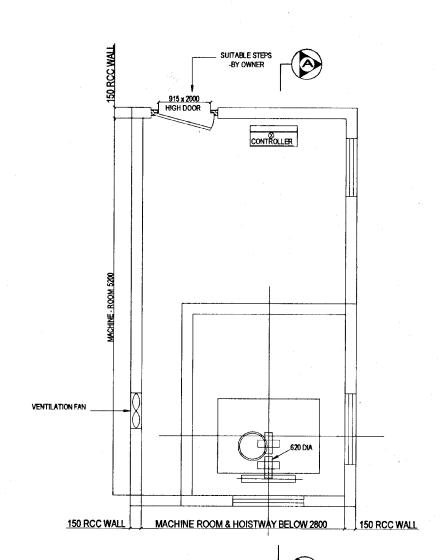
## HOISTWAY PLAN

FRONT WALL AT GROUND FLOOR
MUST NOT BE CONSTRUCTED UNTIL
EQUIPMENT IS SET IN POSITION



**PETAIL AT ENTRANCE** 

(AT ALL LANDINGS)



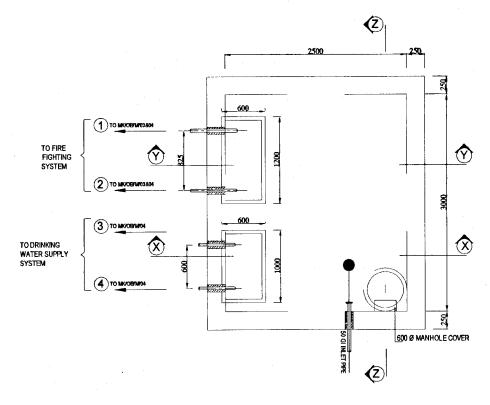
**MACHINE - ROOM PLAN** 

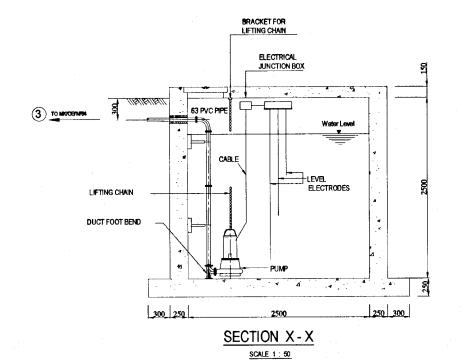
DO NOT SCALE NATIONAL WATER SUPPLY AND DRAINAGE BOARD SUB PROJECT: MALIGAKANDA OFFICE BUILDING GENERAL ARRANGEMENT OF ELEVATOR MALIGAKANDA THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA **JAN 2001** 

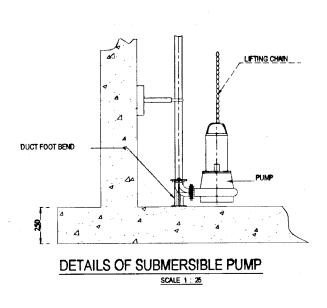
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA STUDY TEAM

NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

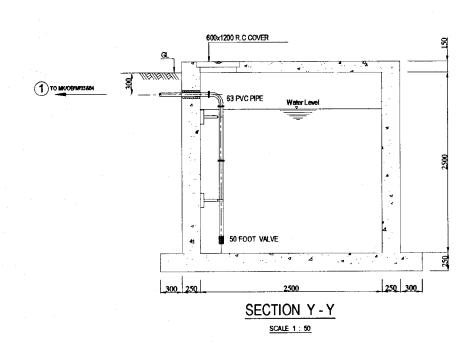
NRW/CW MK / OB / M-01

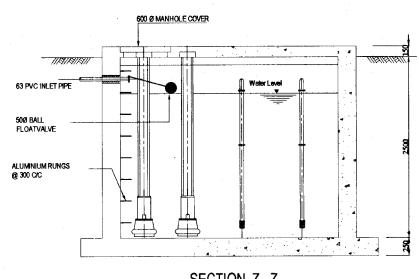






## WATER SUPPLY SUMP PLAN SCALE 1:50





SECTION Z-Z SCALE 1 : 50

SUB PROJECT:

DO NOT SCALE

NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATTER

MALIGAKANDA

M THE GREATER COLOMBO AREA

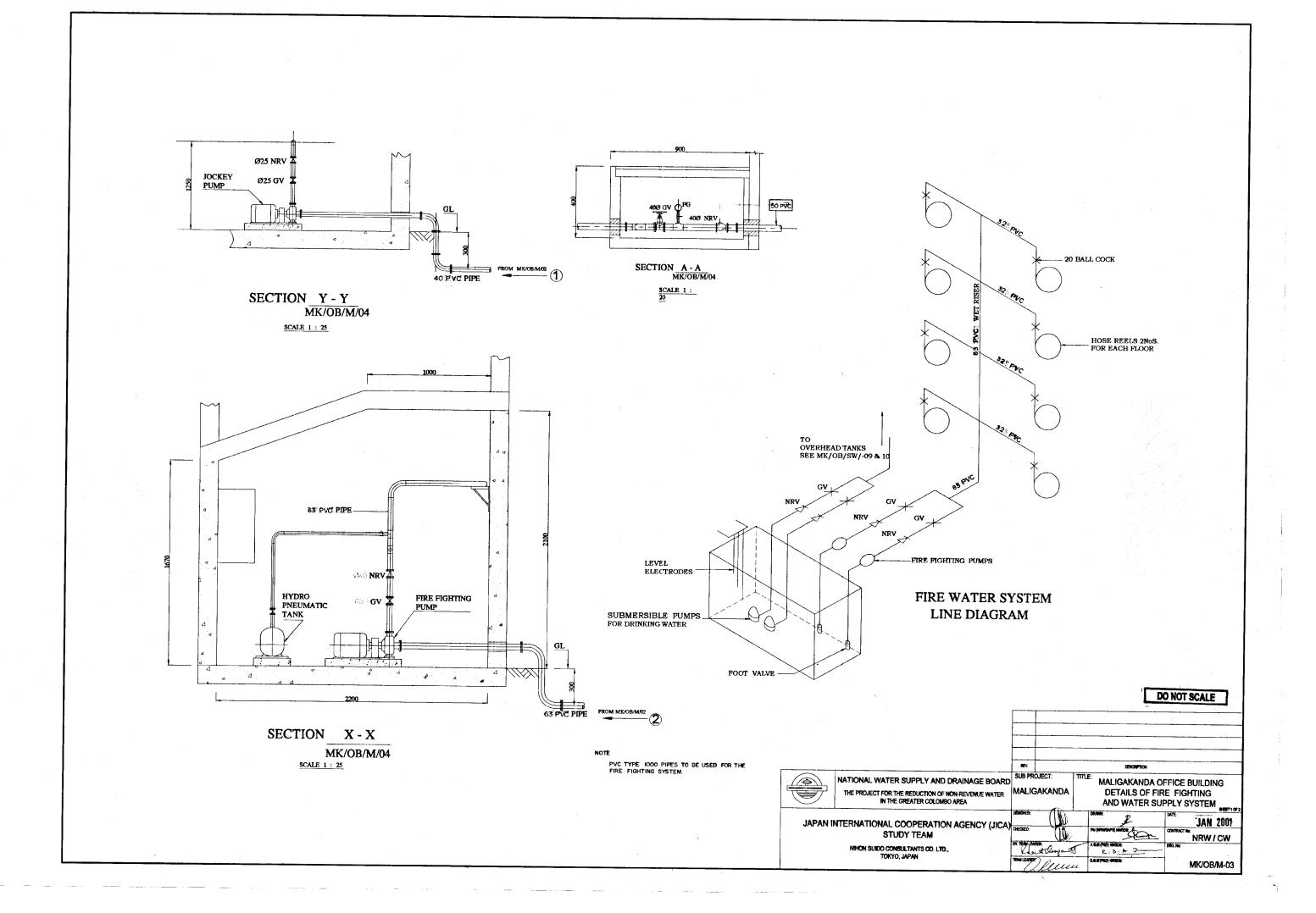
MALIGAKANDA OFFICE BUILDING DETAILS OF WATER SUPPLY SUMP

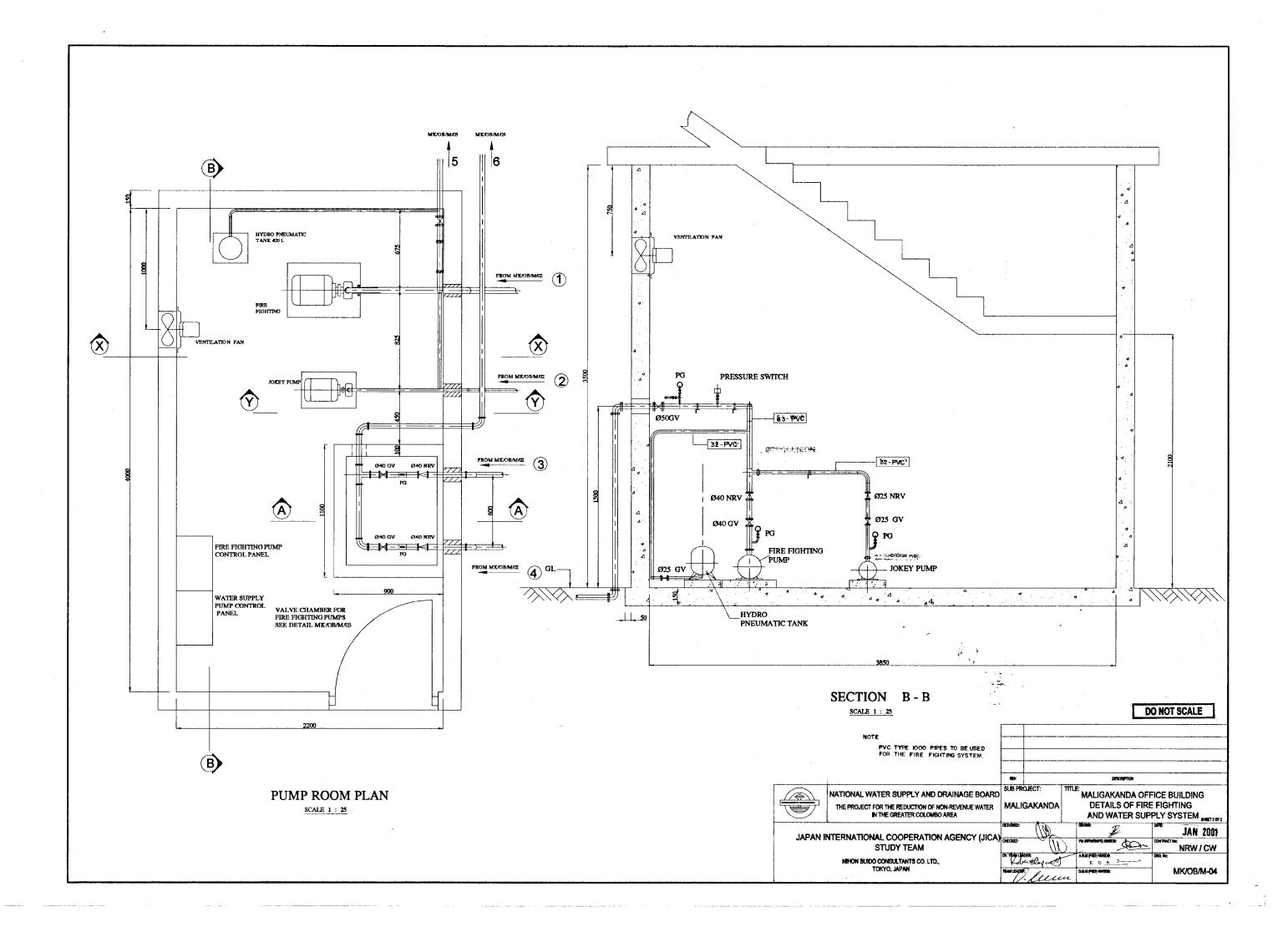
JAN 2001

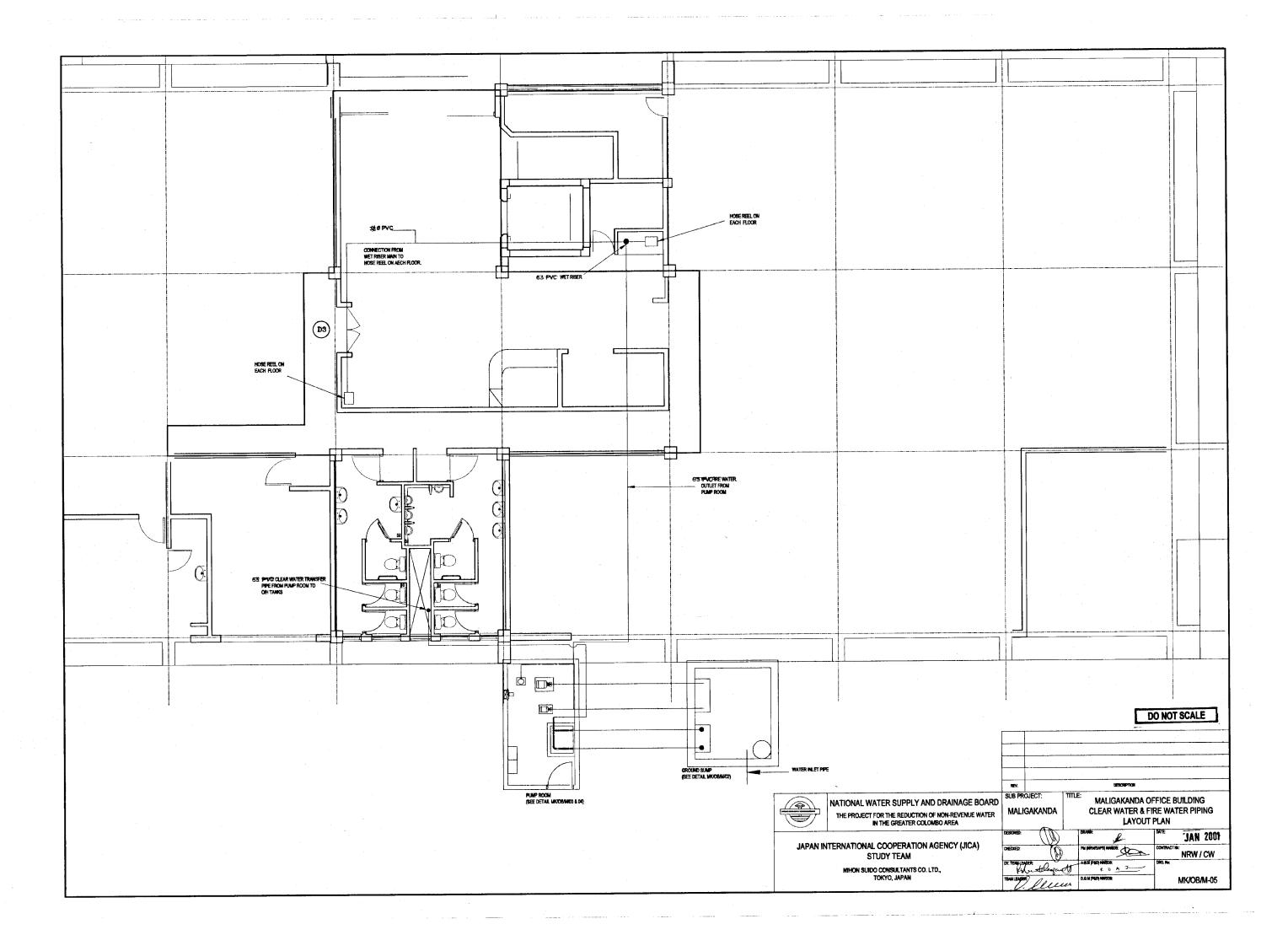
NRW / CW

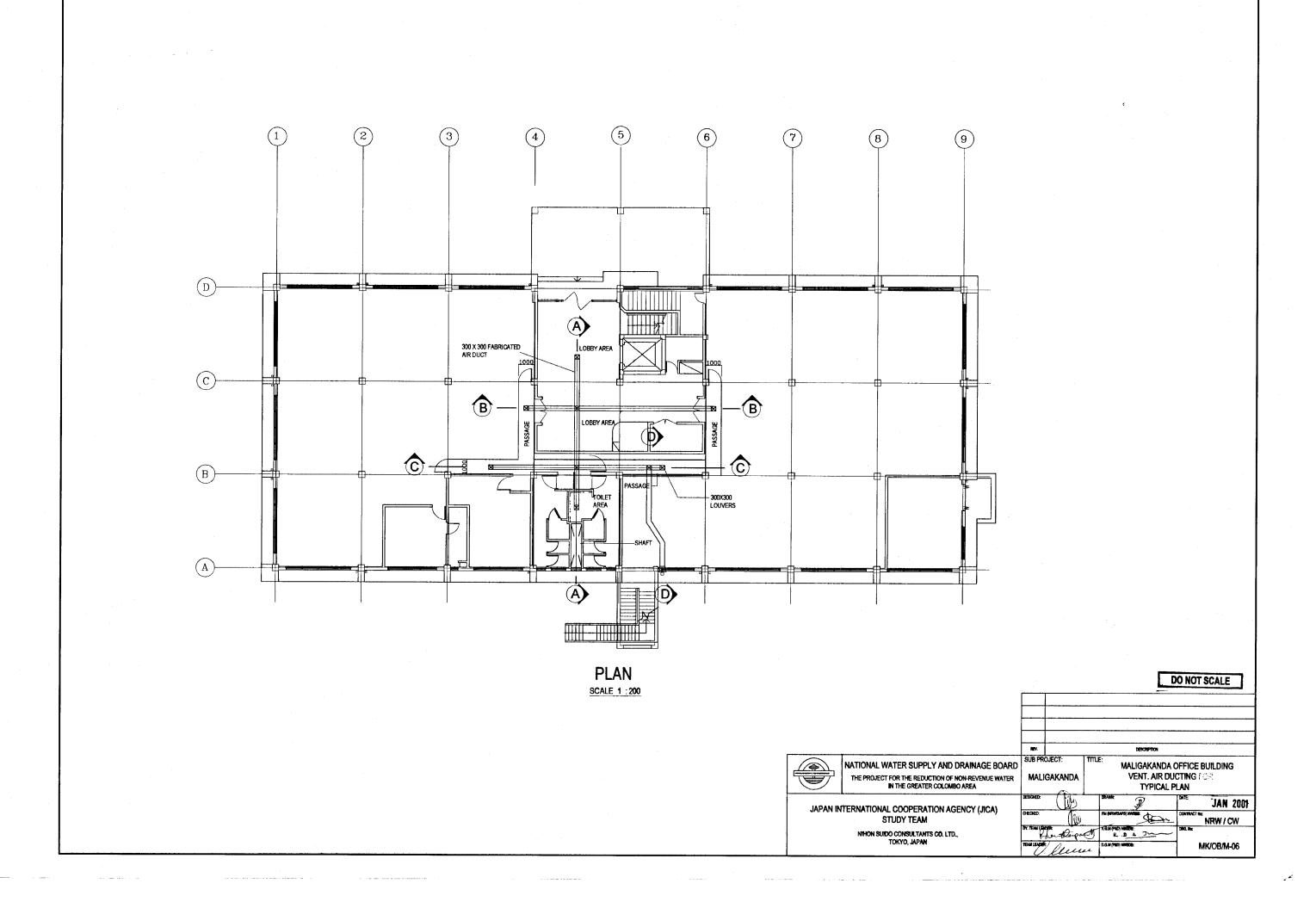
NIK/OB/M-02

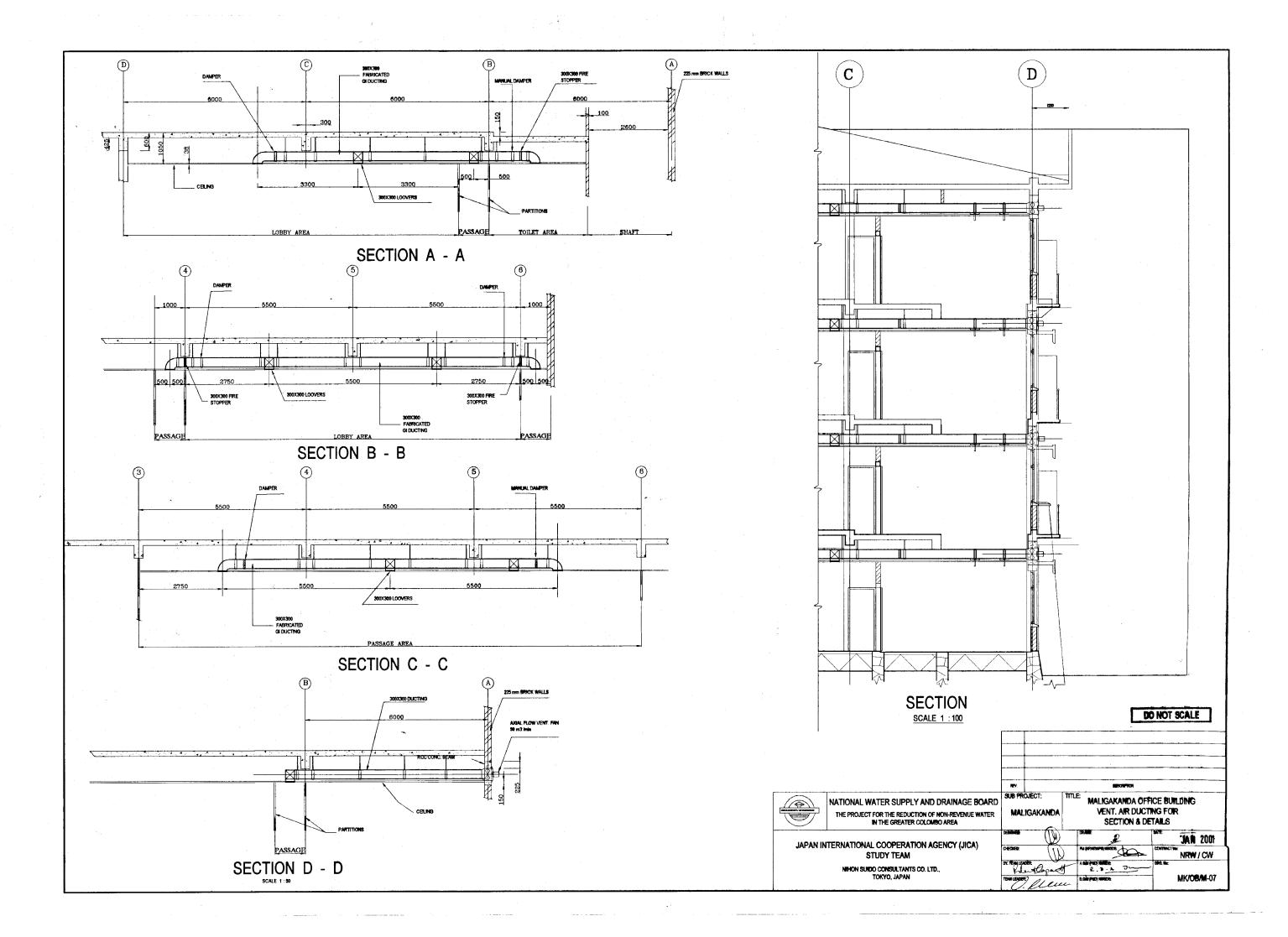
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM

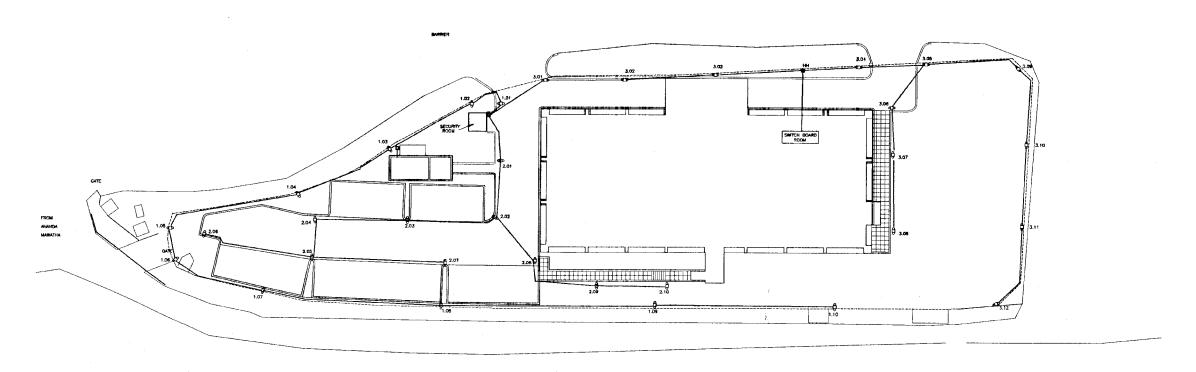








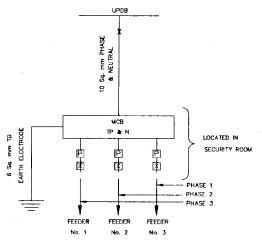




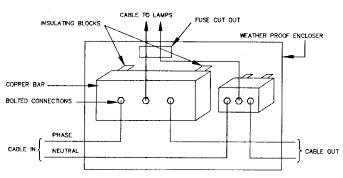
FEEDER No.	ROUTE	SIZE OF CABLES (PHASE & NEUTRAL)	LENGTH (APPROX.)	No. OF LAMPS CONNECTED
1	H. H., 1.01,1.02, 1.03 THRO TO 1.10	6 Sq. mm UPTO 1.05 & 4 Sq. mm BEYOND	160	10
2	H. H., 2.01, 2.02,2.03 2.04, 2.05	6 Sq. mm	45	5
2A	2.02, 2.08, 2.09, 2.10	4 Sq. mm	26	3
28	2.05, 2.06	2.5 Sq. mm	16	1
2C	2.05, 2.07	2.5 Sq. mm	18	1
3	HH, 3.01, 3.02, THRO TO 3.05	6 Sq. mm	64	5
3A	3.05, 3.06, 3.07, 3.08	4 Sq. mm	28	3
3 <del>1</del> 8	3.05, 3.09, 3.10, 3.11, 3.12	4 Sq. mm	49	4
4	FROM UPDB TO SECURITY ROOM	10 Sq. mm	75	_

a_b	GARDEN LAMP (TYPE 32)
	HAND HOLES (600x600x400)
#	MCB'S (S. P.) 10A
P	PHOTO ELECTRIC CONTROL SWITCH

## GARDEN LAMPS CONTROL ARRANGEMENT



# CONNECTION BOX



CONNECTION BOXES WITH LOCKABLE FRONT DOORS ARE TO BE EMBEDDED IN THE CONCRETE BASE OF THE GARDEN LAMP SUPPORTS.

## DO NOT SCALE

NATIONAL WATER SUPPLY AND DRAINAGE BOARD
THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER

MALIGAKANDA

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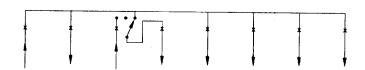
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#### MAIN SWITCH BOARD (MSB)



FEEDER No.	1	2	3	4	•	•	7	
CONTROL SWITCH	MCCB TP&N	MCCB TP&N	ATS 4 POLE	MCCB TP&N	MCCB TPEN	MCCB TPEN	MCCB TP&N	MCCB TP&N
RATING (NORMAL) (A)	500	125	100	100	125	125	125	125
S. C. RATING (MINIMUM) ( KA)	25	25	25	25	25	25	25	26
PROTECTION	O/C, S/C	OVC, SVC	VIDE SPEC.	O/C, S/C & E/F	O/C, SIC	O/C, S/C	O/C, SeC	orc, sec
INSTRUMENTS:-				<u> </u>				
VOLTMETER & SELECTER SWITCH	~		<u> </u>					
AMMETER & SELECTER SWITCH	~	~	<u> </u>	~	<u>-</u>	~		/
P. F. METER & SWITCH	<b>/</b>							
KWh METER	✓ · · · · ·		·					
FEEDER								
SIZE No. x Sq. mm No. OF CORES	2x240 4		36 4	36 4	50 4	50 4	50	90 4
FROM / TO	FROM: CEB SWITCH	SPARE	FROM: D-G SET	TO:- UPDB	TO:- PDB GFL	TO: PDB 1st FL	TO: PDB 2nd FL	TO» PDB 3rd PL

(SWITCH No.1 + No.3 ARE INTERLOCKED) POWER DISTRIBUTION BOARDS (PDB'S) ARE LOCATED ON THE WALLS OF THE SWITCH BOARD ROOM, ON EACH FLOOR.

## UTILITIES POWER DISTRIBUTION BOARD (UPDB) (LOCATED IN SWITCH BOARD ROOM OF GROUND FLOOR)



FEEDER No.	1 1	2	3	4	5	6	7		9	10
CONTROL SWITCH	MCCB TP&N & RCCB TP	MCB DP	MCB DP	MCB DP	MCB DP	MCCS TP&N	MCCB TP&N	MCCB TPAN & RCCB TP	MCCB TP&N & RCCB TP	MCCB TP&N
RATING (NORMAL) (A)	20	90	60	80	60	100	30	60	30	60
S. C. RATING (MINIMUM) (I(A)	10	80	60	60	60	20	20	20	20	20
PROTECTION	OVC, SVC & EVF	OVC, SVC	OVC, SVC	OVC, SVC	O/C, S/C	O/C, S/C	OAC, SAC & EAF	OVC, SVC & EVF	O/C, S/C & E/F	O/C, S/C & E/F
FEEDER										
SIZE No. x Sq. mm No. OF CORES	4	18	18 2	16 2	16 2	35 4	10	4	1	10
FROM / TO	TO:- YARD LIGHTS	TO- ELDB GFL	TO:- ELD8 1st FL	TO:- ELDB 2nd FL	TO:- ELDB 3rd FL	FROM: MSB	70 LIFT	SPARE	SPARE	
	CONTROL IN SECURITY ROOM	ELD8'S ARE	ON EACH	LS OF SWITCH BOAR I FLOOR	RD ROOM,					TO PUMP CONTROL BOARD

### PUMP CONTROL BOARD

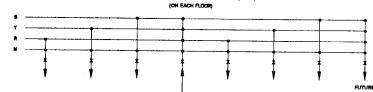
BUS BARS RATED FOR 60A	7	*/	*/   	, ,	7	7
	İ	2 OFF	†	Ť	†	•

	,	12011	•	7	Ţ	,
FEEDER No.	1	2	3	4	6	•
CONTROL SWITCH	MCCB	MCCB	MCCB	MCCB	MCCB	MCB
NR OF PLOES	TP & N	TPAN	TPEN	TPAN	TP&M	SPAN
RATING (NORMAL) (A)	80	20	16	20	16	20
S. C. RATING (MINIMUM) ( LA)	20 km	20 ka	20 kg	20 ka	20 ka	20 ka
PROTECTION	O/C & S/C	AS SPECIFIED	AS SPECIFIED	AS SPECIFIED	AS SPECIFIED	O/C & S/C RCCB (ELT
MOTOR STARTER TYPE		STAR / DELTA	DOI.	STAR / DELTA	DOL.	-
RATING (KIN)		5 kw	3 kw	8 to	3 100	<u>-</u>
PILOT LAMPS ON "MAINS" SIDE	ONE SET					
ON "LOAD" SIDE		ONE SET	OWE SET	ONE SET	ONE SET	
INSTRUMENTS VOLTMETER & SELECTER SWITCH	ONE SET 0 TO 600V					
AMMETER & SELECTER SWITCH	ONE SET 0 TO SOA					
NAME OF FEEDER	IN-COMMING FROM UPDP	TO WATER PUMP No. 1	TO FIRE PUMP	TO WATER PUMP No. 2	TO JOCKY PUMP	FOR ROOM

LPTO10A	1.5	15	25
11~20A	4	4	4
21~40A	10	10	10
41~60A		-	*
01~100A	35	30025	*
9H~123A	70	7060	36
155~200A	95	1980	50
201 ~ 300A	165	1000	*
	11~20A 21~60A 41~60A 61~100A 98~120A 98~200A	11~20A 4 21~60A 10 61~60A 18 61~100A 35 601~120A 35	11-20A 4 4 21-40A 10 10 41-40A 11 10 61-10A 15 3065 691-120A 70 7089 188-200A 55 5900

MULTI - TIER ARRANGEMENT OF SWITCH-GEAR IS PERMISSIBLE.

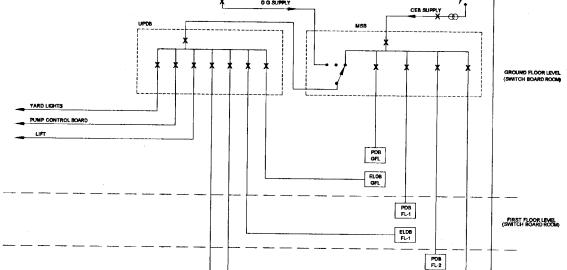
### POWER DISTRIBUTION BOARD (PDB)



FEEDER No.	1	2	3	4	6	6	7	
CONTROL SWITCH	MCB DP	MCB DP	MCB DP	MCCB TP&N	MCB DP	MCB DP	MCB DP	MCCB TP&N
RATING (NORMAL) (A)	30	30	30	125	•	60	60	86
S. C. RATING (MINIMUM) (IA)	10	10	10	20	10	10	10	10
PROTECTION	ovc, svc	OVC, SVC	O/C, S/C	O/C, S/C	O/C, S/C	OVC, SVC	ovc, svc	O/C, S/C
INSTRUMENTS:-				†			<del></del>	<del> </del>
VOLTMETER & SELECTER SWITCH								†
AMMETER & SELECTER SAITON				<b>T</b>				
P. F. METER & SWITCH				+			<del> </del>	
KWA METER			+	+				
FEEDER				<del>                                     </del>			<del> </del>	<del> </del>
SIZE No. x Sq. mm No. OF CORES	10 2	10 2	10 2	50 2	10 2	16 2	16 2	10
FROM / TO	TO SDB-R	TO SDB-Y	TO: SD8-B	FROM:- MSB (G FL)	TO: LDB-R	TO: LD8-Y	TO:	TO:

POWER LIGHTING DISTRIBUTION BOARDS (LDB'S) , SOCKET DISTRIBUTION BOARDS (SDB'S) ARE ALL LOCATED ON OF THE SWITCH BOARD ROOM, ON EACH FLOOR.





X - NOB X - RCCB - STAR DELTA STARTER DOL STARTER

NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

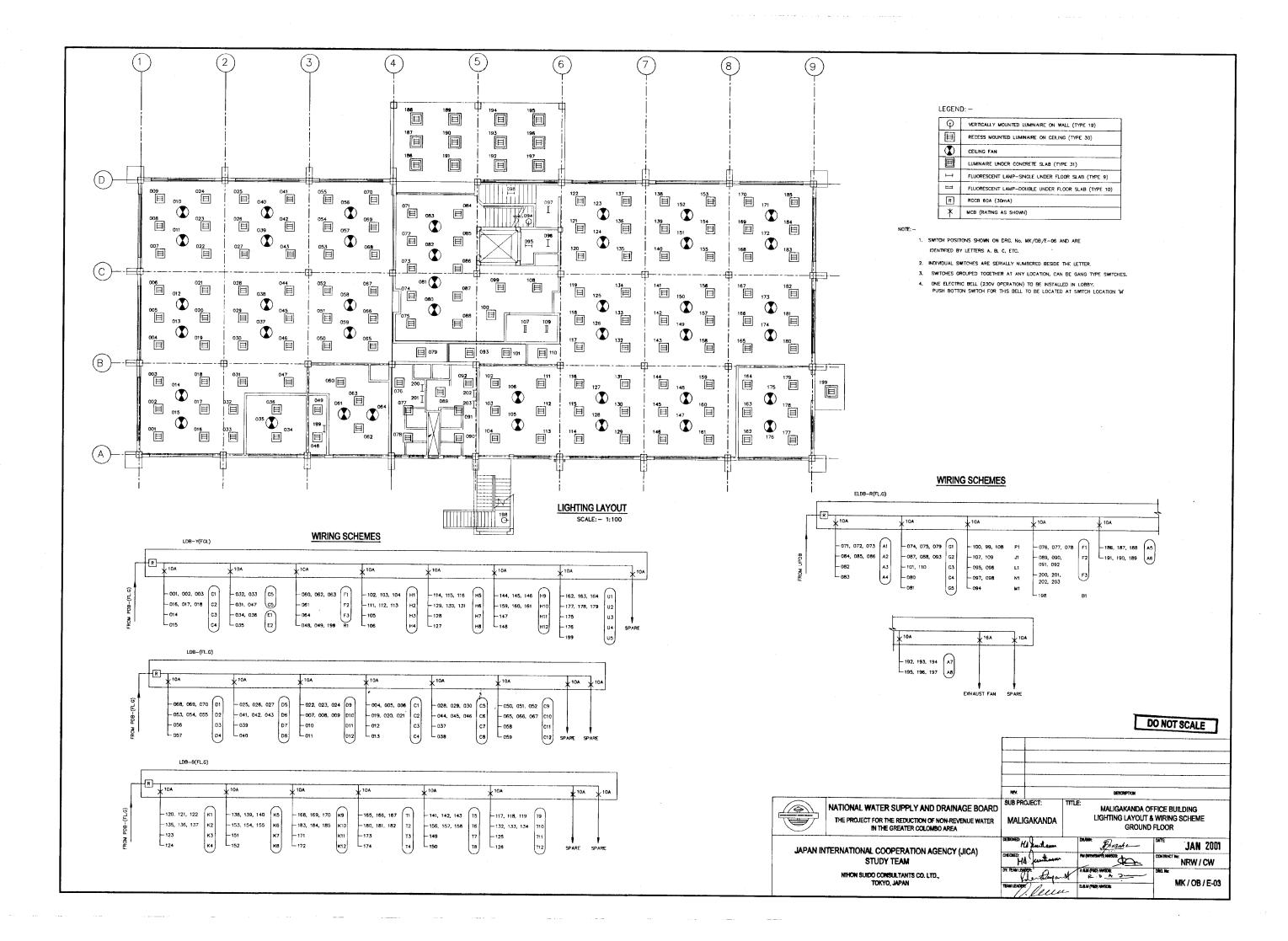
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

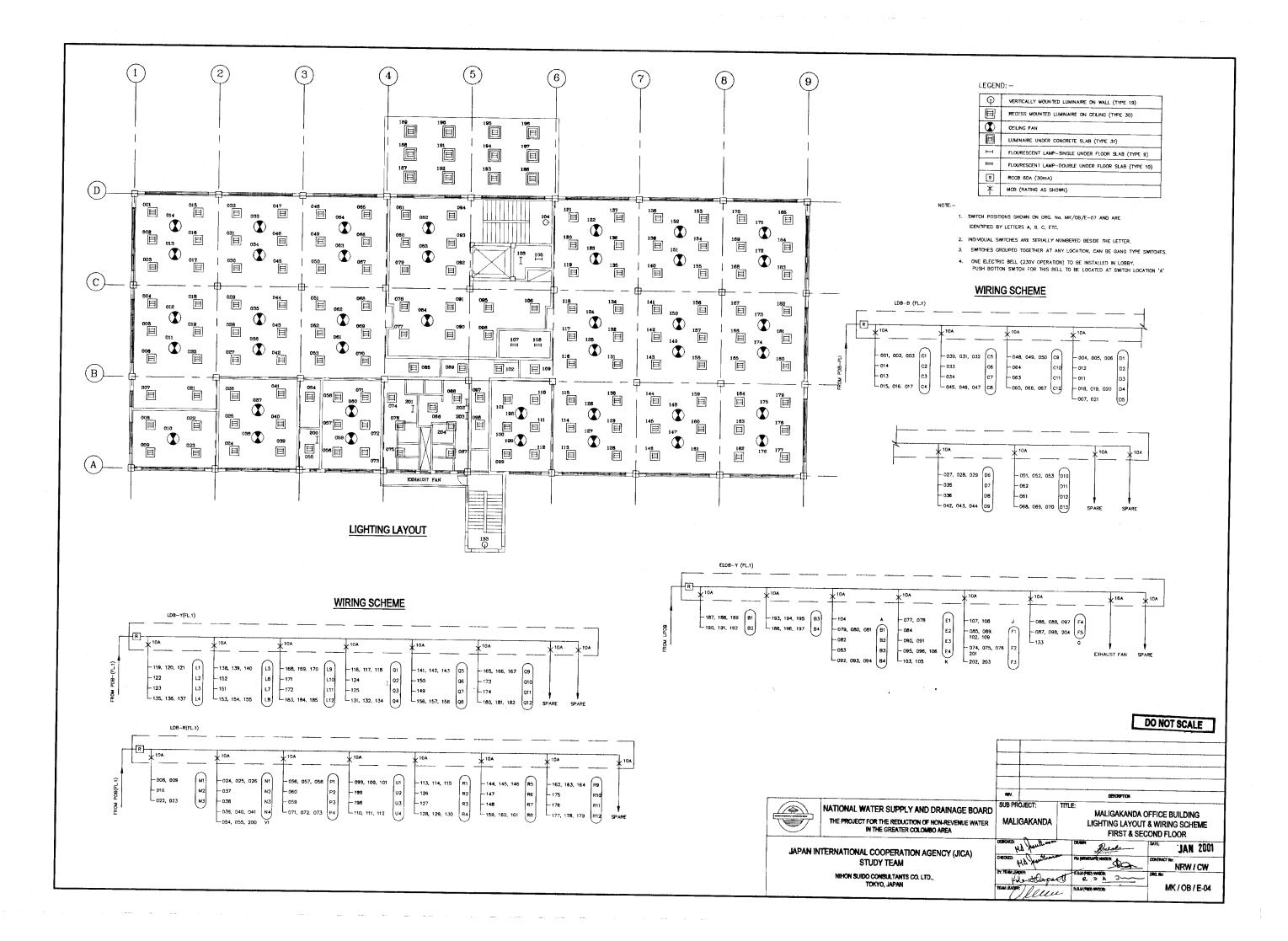
DO NOT SCALE SUB PROJECT: MALIGAKANDA OFFICE BUILDING

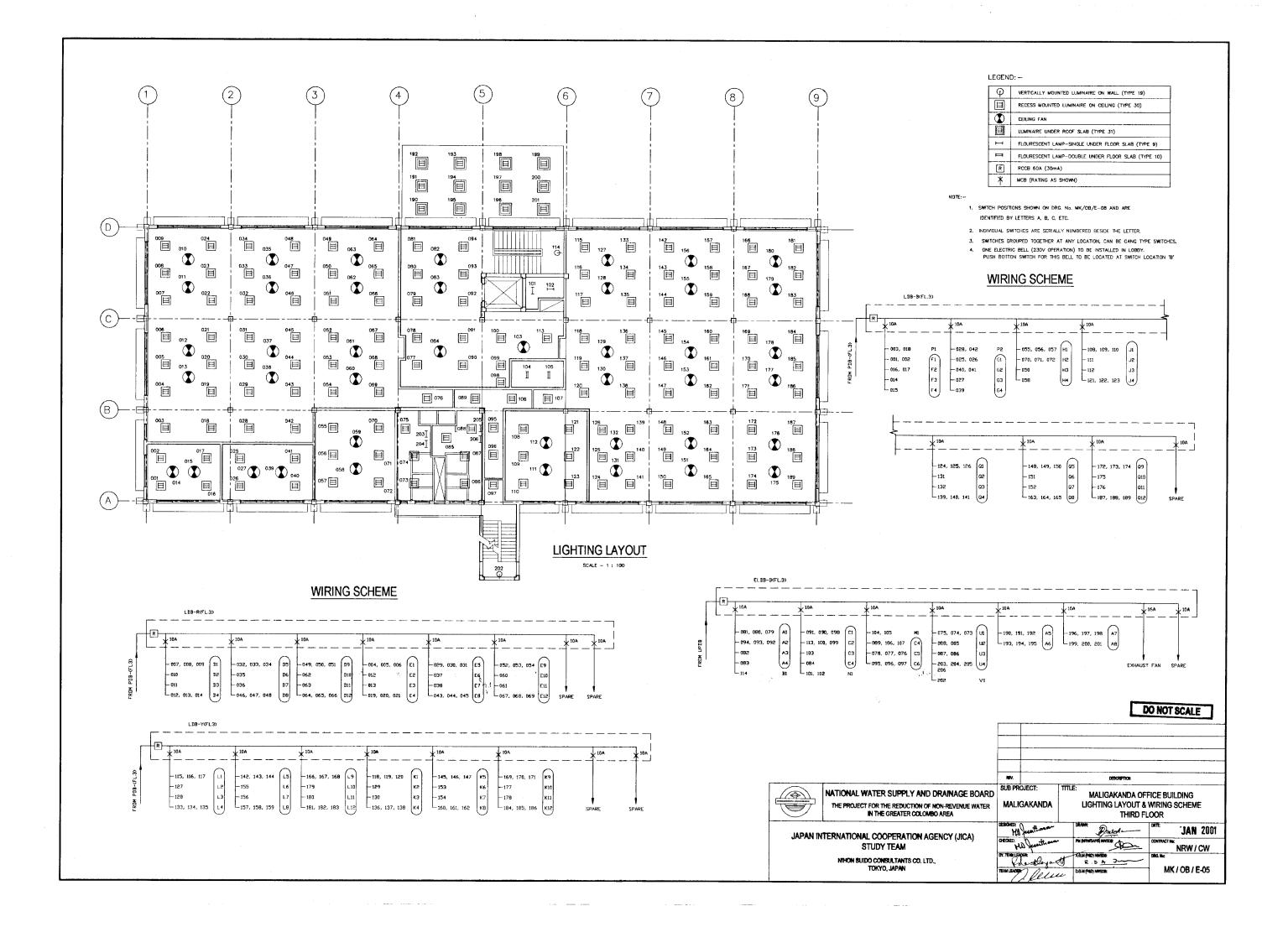
PDB FL-3

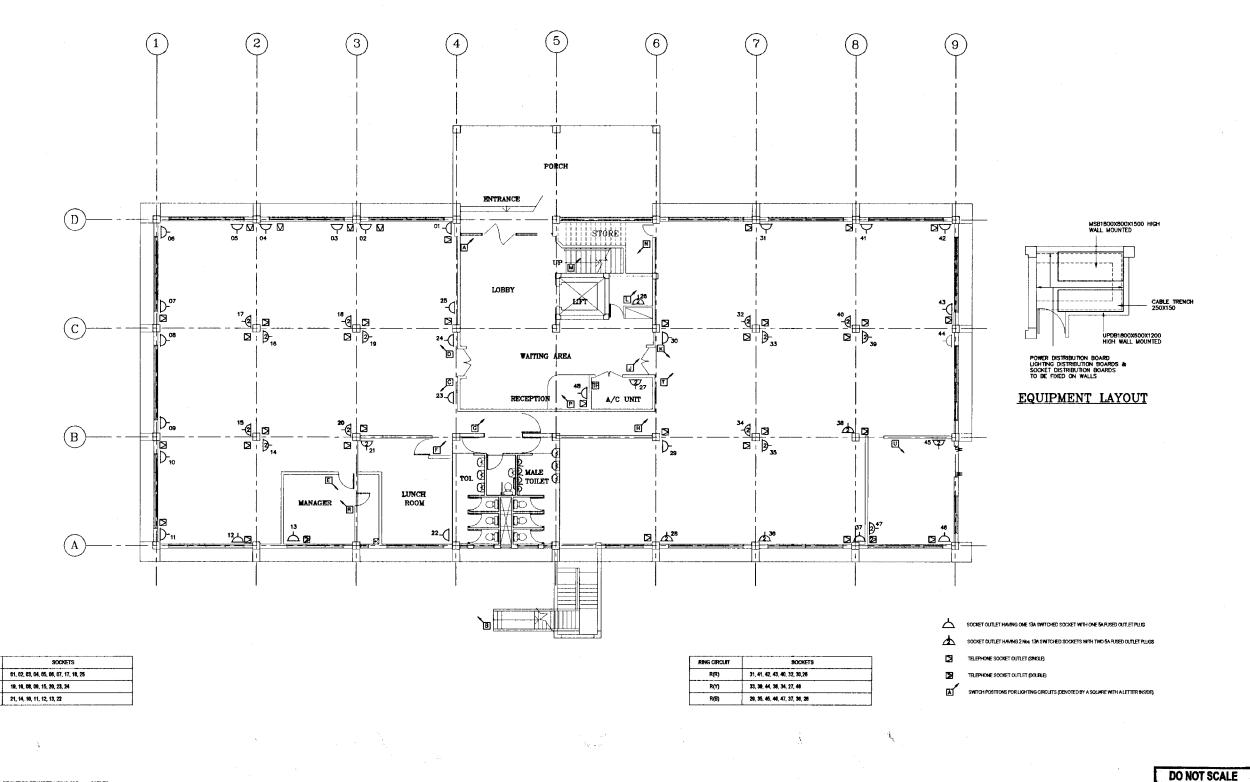
MALIGAKANDA POWER DISTRIBUTION ARRANGEMENT JAN 2001

NRW / CW MK/OB/E-02 lun









LM

(FOR PHASE, NEUTRAL & P.E.) FROM SMALL POWER DB.

2. CONDUIT PIPES TO BE INSTALLED IN FLOOR SLAB & IN COLUMNS TO CARRY SOCKET AND TELEPHONE CABLES.

3. SOCKETS & TELEPHONE OUTLETS SHOWN TO BE LOCATED NEAR COLUMNS ARE TO BE FIXED ON COLUMNS (OR NEARBY WALL) AT A HEIGHT OF 300 mm ABOVE FLOOR LEVEL.

7. SMALL ACCUNTS OF WINDOW TYPES COULD BE SUPPLIED THROUGH 15 AMP. SOCKETS LOCATED IN THE PERIMETER WALL.

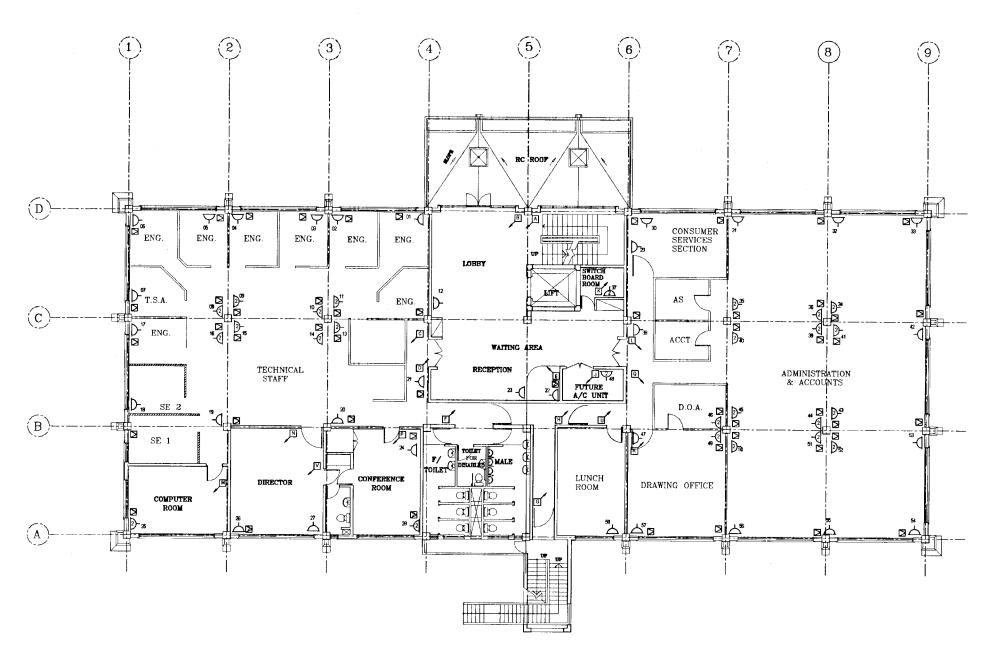
NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM

NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

SUB PROJECT: MALIGAKANDA OFFICE BUILDING MALIGAKANDA LAYOUT OF SWITCHES & SOCKETS (TEL & POWER) GROUND FLOOR

**JAN 2001** HO MASOR DO HI Justona NRW / CW TEAN LEADER Dag and MK/OB/E-06 MIENER PULL



RING CIRCUIT	SOCKETS			
r(u)	01, 02, 03, 04, 05, 06, 08, 09, 10, 11			
LIB)	12, 13, 14, 15, 16, 07, 17, 20, 21			
LIFR	22, 23, 24, 19, 18, 25, 26, 27, 28			

NOTES:

- EACH RING CIRCUIT TO BE WIRED USING 65Q, mm CABLES (FOR PHASE, NEUTRAL & P.E.) FROM SMALL POWER DB.
- 2. CONDUIT PIPES TO BE INSTALLED IN FLOOR SLAB & IN COLUMNS TO CARRY SOCKET AND TELEPHONE CABLES
- SOCKETS & TELEPHONE OUTLETS SHOWN TO BE LOCATED NEAR COLUMNS
  ARE TO BE FIXED ON COLUMNS FOR MEARBY WALL AT A HEIGHT OF

300 mm ABOVE FLOOR LEVEL

- EMPTY CONDUITS (2 x 25mm) TO BE LAID BETWEEN SWITCH BOARD ROOM AND ACCROCOM FOR ELITTIBEE USE
- 5. CONDUITS (25mm) TO ALL TELEPHONE OUTLETS ARE TO BE LAID FROM TP ON GROUND FLOOR
- 6. PDB, LDB'S, ELDB, & SDB'S ARE WALL MOUNTED IN SWITCH BOARD ROOM.

RING CIRCUIT	SOCKETS	
RM	29, 30, 31, 32, 33, 34, 36, 35, 39, 37	
R(B)	40, 39, 41, 42, 43, 44, 45, 46, 46	
RFQ	47, 49, 50, 51, 52, 53, 54, 55, 56, 57, 59	

SOCKET OUTLET HAVING ONE 13A SWITCHED SOCKET WITH CINE SAFLISED OUTLET PLUG

SOCKET OUTLET HAVING 2 No. 13A SWITCHED SOCKETS WITH TWO PLISED OUTLET PLUGS

TILEPHONE SOCKET OUTLET (SWILL)

SWITCH POSITIONS FOR LIGHTING CIRCUITS (DENOTED BY A SQUARE WITH A LETTER INSIDE).

DO NOT SCALE



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 SURDO CONSULTANTS COLUTE

NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN SUB PROJECT: MALIGAKANDA OFFICE BUILDING
LAYOUT OF SWITCHES & SOCKETS (TEL & POWER)
FIRST AND SECOND FLOOR

DEBONES

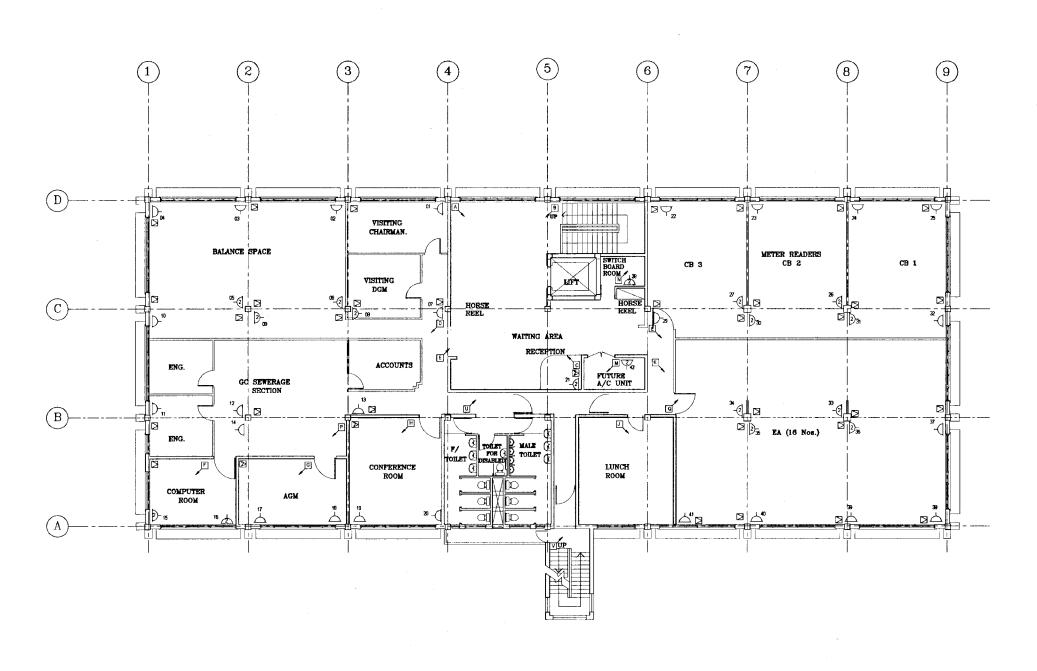
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1	RING CIRCUIT	SOCKETS			
T	ΓW	01, 02, 03, 04, 05, 06, 07			
Γ	L(B)	08, 09, 10, 11, 12, 13			
Γ	L(F)	14, 15, 16, 17, 18, 19, 20,			

RING CIRCUIT	SOCKETS
R(f)	22, 23, 24, 25, 26, 27, 28
R(5)	29, 30, 31, 32, 33, 34, 21, 42
RIFI	35, 36, 37, 38, 39, 40, 41

1. EACH RING CIRCUIT TO BE WIRED USING 6SQ, mm CABLES IFOR PHASE, NEUTRAL & P.E. FROM SMALL POWER D.B.

2 CONDUIT PIPES TO BE INSTALLED IN FLOOR SLAB & IN COLUMNS TO CARRY SOCRET AND TELEPHONE CABLES.

AT A HEIGHT OF 300 mm ABOVE FLOOR LEVEL

5. CONDUITS (25mm) TO ALL TELEPHONE OUTLETS ARE TO BE LAID FROM TP ON GROUND FLOOR

6. PDB, LDB'S, ELDB, & SDB'S ARE WALL MOUNTED IN SWITCH BOARD ROOM

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

NTHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

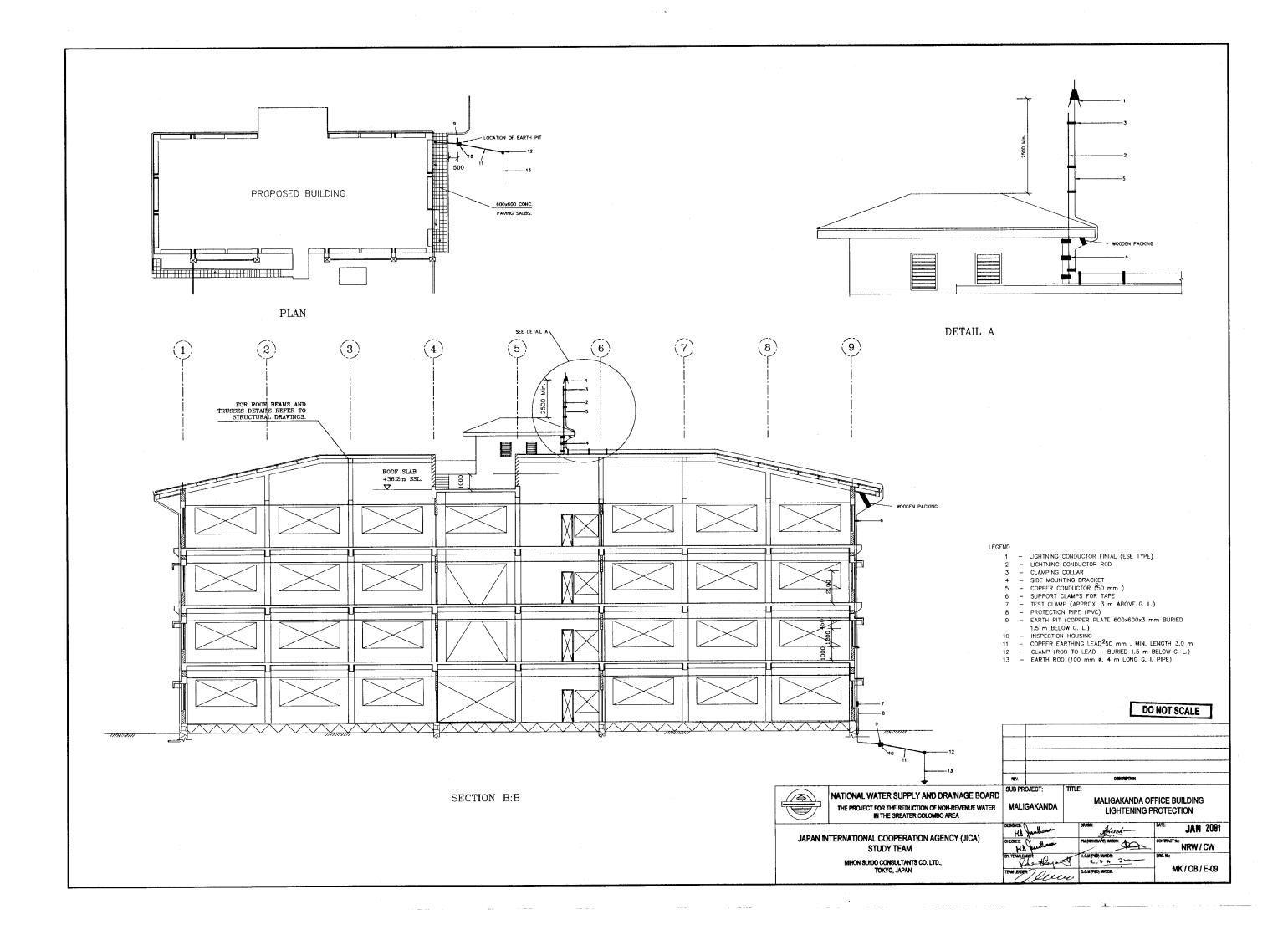
DO NOT SCALE SUB PROJECT: SUB PROJECT:

MALIGAKANDA OFFICE BUILDING

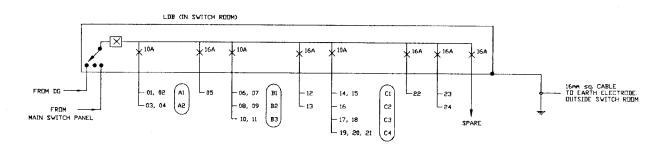
MALIGAKANDA

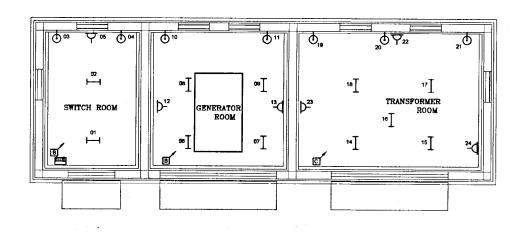
LAYOUT OF SWITCHES & SOCKETS (TEL & POWER)

FIRST AND SECOND FLOOR JAN 2001 NRW / CW MK / OB / E-08

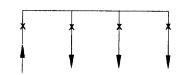


#### WIRING SCHEME





#### MAIN SWITCH PANEL (IN SWITCH ROOM)



FÉEDER No.	1	2	3	4
CONTROL SWITCH	MCCB TP&N	MCCB TP&N	MCCB TP&N	MCCB DE
RATING (NORMAL) (A)	630	500	100	50
S. C. RATING (MINIMUM) (KA)	25	25	25	25
PROTECTION	0/C, S/C	O/C, S/C	o/c,s/c	O/C, S/C
INSTRUMENTS:-				
VOLTMETER & SELECTOR SWITCH	✓			
AMMETER & SELECTOR SWITCH	<b>V</b>			
P. F. METER & SWITCH				
KWh METER	/			
FEEDER				
SIZE No. x Sq. mm No. OF CORES	2x240 4	2x240 4	35 4	16 2
FROM / TO	FROM: CEB SWITCH	TO:- OFFICE BLDG.	TO:- FEEDER PILLER (RESERVOIR)	TO:- LDB

### LEGEND:-

-	L.D.B (IN SWITCH ROOM)
Н	FLUORESCENT LAMP (TYPE 27), ON CEILING
Ф	LUMINAIRE TYPE 19 ON WALL
Þ-	SOCKET OUTLET ON WALLS OR COLUMNS (13A)
A	LOCATION OF SWITCHES
	MANUAL CHANGE-OVER SWITCH 80A D.P

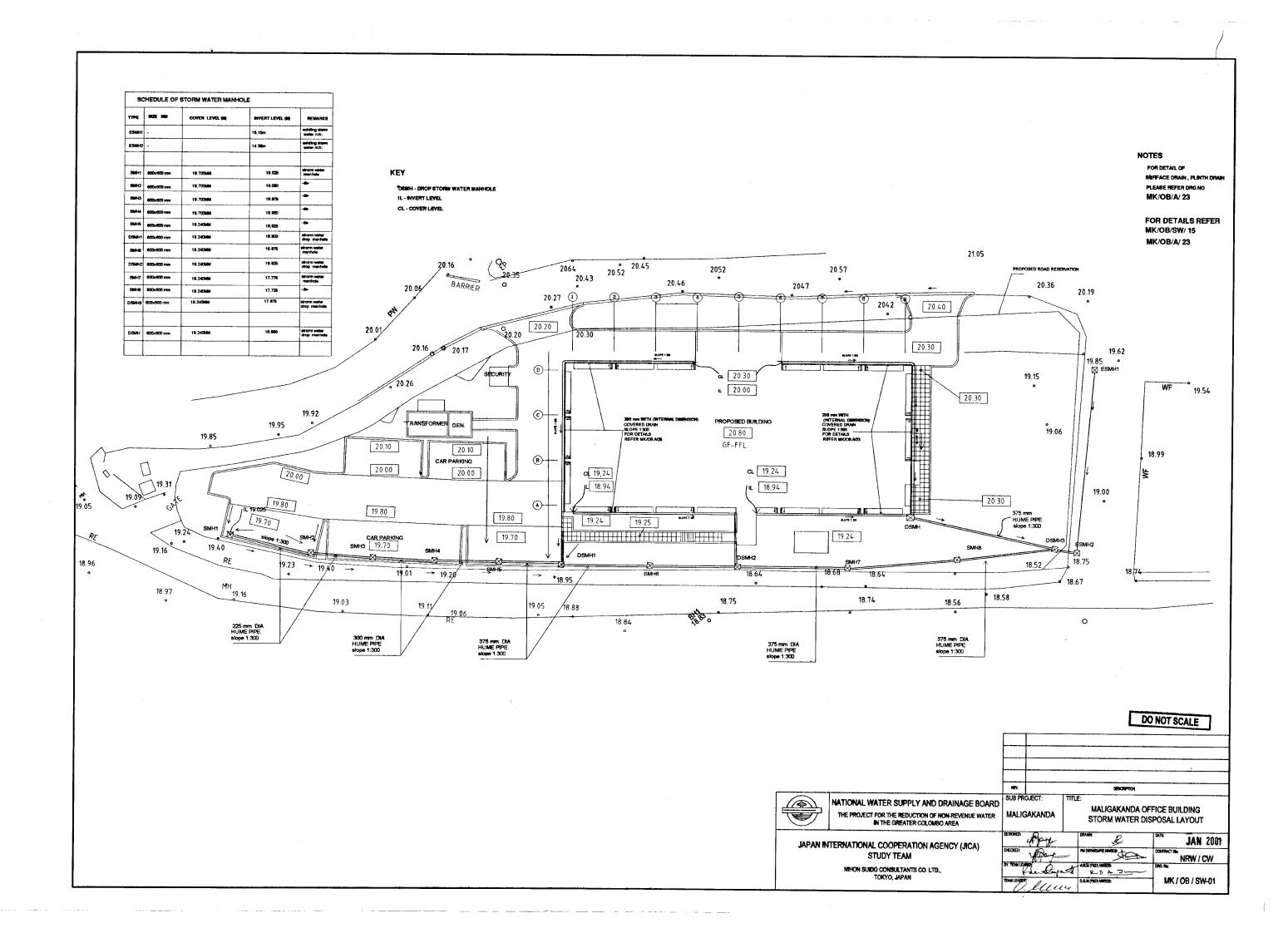
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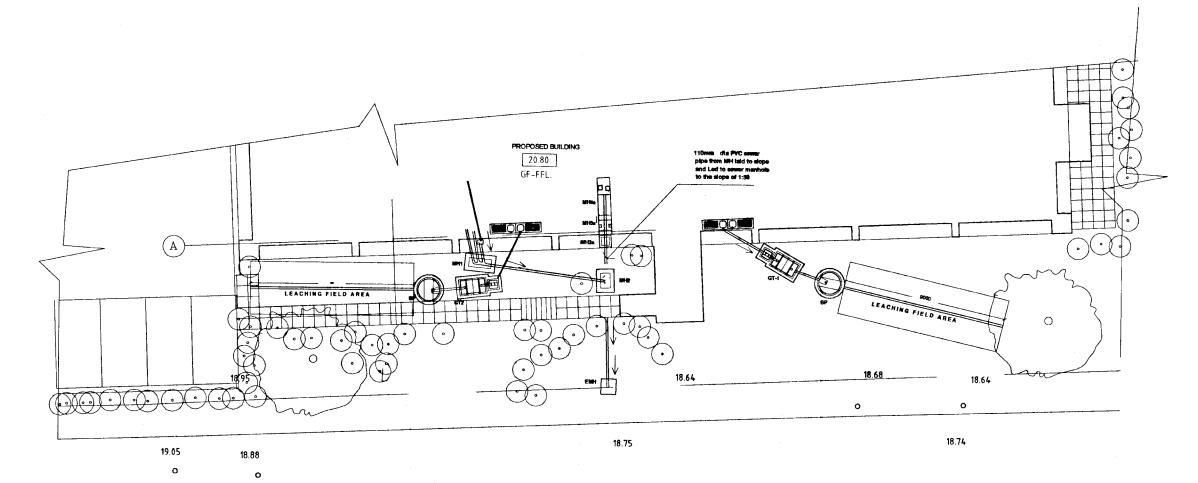
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NATIONAL WATER SUPPLY AND DRAINAGE BOARD
THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER
IN THE GREATER COLOMBO AREA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM

SUB PROJECT: MALIGAKANDA	TRANSFORMER MAIN SWITCH R LIGHTING & SM	PANEL AND
Ha furtheren	Davine Donoch-	JAN 2001
HI penthona		NRW / CW
r. TEAN JEACHT	AGN PROT HINSOB:	CURG, Mac
EMILENDER Leu	D.G.M (PBD) HWSDB:	MK/OB/E-10





TYPE	902E 1884	INVERT LEVEL (M)	COVER LEVEL (M)	REMARKS
MH4a	800x 1300x1000mm	19.200 m	20,200m	duct men hole (conc: wall)
MH3s	800x 800x1000mm	19.600 m	20,200m	duct with conc: wall mun hole
MH2a	700k/108u680mm	18.080 m	19.250m	drep men tede (brick wells)
M#-12	1200x900 x 650mm	18.590 m	19.240m	disp men hote (brick wells)
PIPE LV	L AT EXISTING MH(BMH)	19.400 mg		mend excluding graph hole
EMH	existing	16.57 m	19.600 m	reed existing men hale
MH1	SOOk mm	19.790 m	19.2kbm	gran hab (brick walls)

SP - SOAKAGE PIT

GT1- GREASE TRAP FOR UPPER LVL SINGS SIZE 1500K750

GT2- GREASE TRAP FOR GROUND LVL SHOCK SIZE 1200x750

EMH - EXISTING MANHOLE

FOR DETAILS REFER MK/OB/SW/07

## DO NOT SCALE

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1/32/11
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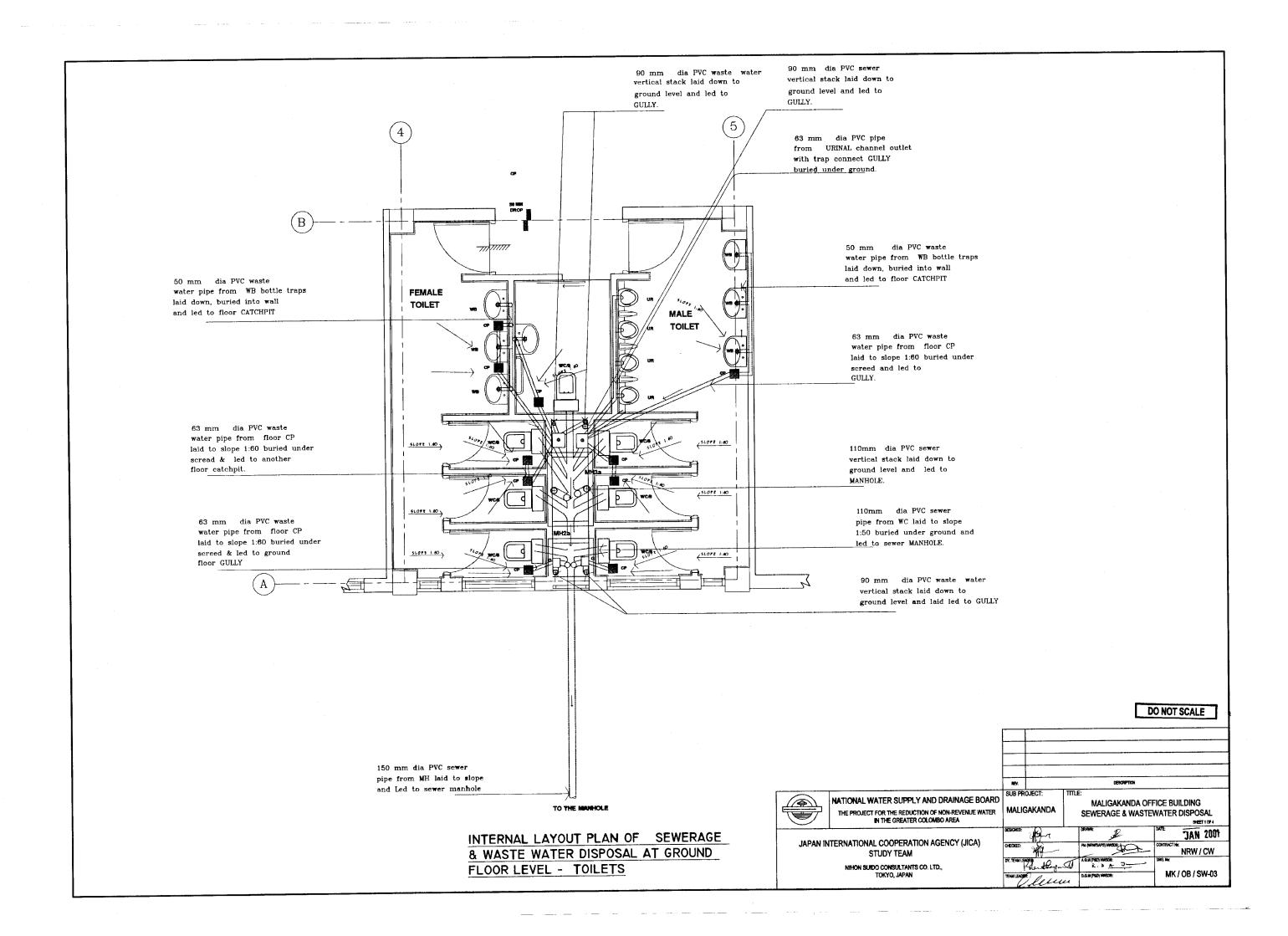
NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

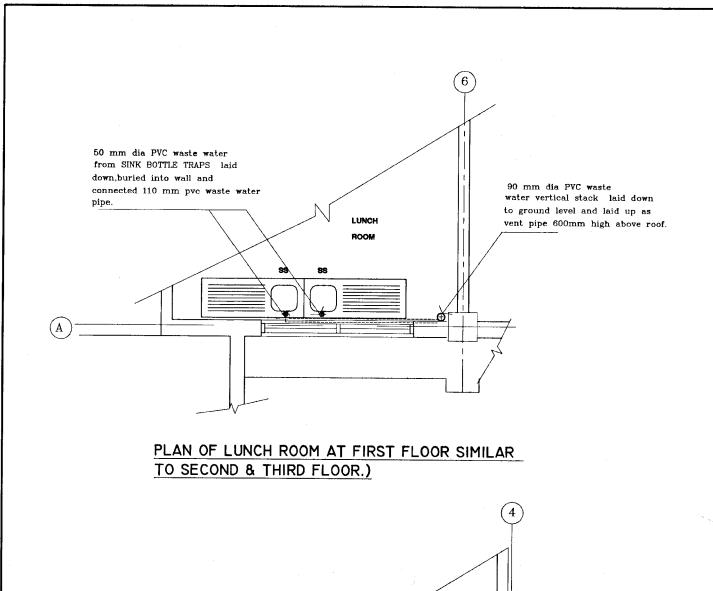
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM

NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN

REV.		DESCRIPTION	
UB PROJECT: MALIGAKANDA		SEWERAGE MANH	OFFICE BUILDING OLE, GREASE TRAP & OUTS & INVERT LEVELS
KÖNED;	49-7-	DRAMME &	JAN 2001

MK / OB / SW-02





LUNCH

TO THE GREAGE TRAP.

PLAN OF LUNCH ROOM AT

GROUND FLOOR LEVEL -

50 mm dia PVC waste water

down BURIED into wall and

connected to 110 mm pvc

waste water pipe.

from SINK BOTTLE TRAPS laid

(A)

# ABBREVIATION FOR THE TOILET DRAWINGS.

CE CLEANING EYE.

GULLY WITH TRAP AND GRATING

CP FLOOR CATCH PIT WITH TRAP AND GRATING.

WB WASH BASIN.

WC/S WATER CLOSET WITH "S" TRAP.

WC/P WATER CLOSET WITH "P" TRAP.

MN MAN HOLE

S STAINLESS STEEL SINK.

URINAL BOWL

90 mm dia PVC waste water pipe laid to slope 1:60, buried under ground and connected to GREASE TRAP.

#### NOTES

I ALL IIO MM DIA PVC SEWER PIPES SHALL BE GRADE UPVC 600 ALL 50MM DIA, 40MM DIA, 63MM DIA AND 90MM PVC WASTE WATER PIPES SHALL BE GRADE UPVC 1000.

ONLY INJECTION MOLDED FITTINGS WILL BE ALLOWED.

ALL THE WATER SUPPLY PIPES SHALL BE GRADE U 1000.

- 2 EXTERNAL SEWER PVC PIPES LAID UNDER GROUND IN 150 MM THICK BASE WITH 225 X225MM WIDE COVER CONCRETE 1:3:6 (25) AT 900 c/s.
- 3 WASTE WATER PIPES LAID IN THE BATHROOMS SHALL BE BURIED IN THE SCREED .
- 4 ALL WATER SUPPLY PIPES TO WATER CLOSETS, WASH BASINS AND VANITY BASINS TO BE PROVIDED WITH 20 MM DIA CP ANGLE VALVE AND METAL COVER PLATE WITH UNIONS AND 900 LONG FLEXIBLE CHROMIUM PLATE CONNECTION.
- 5 DELIVERY PIPES SHOWN WITHIN THE WALLS, ARE EMBEDDED IN WALLS.
- 6 ALL APPLIANCES SOIL AND WASTE PIPE CONNECTIONS SHALL BE PROVIDED.
- 7 TOILET FLOORS TO BELL SLOPED TOWARDS FLOOR CATCH PITS AT
- 8 PROVIDE STOP VALVES TO EACH BRANCH OF THE WATER SUPPLY LINES.
- 9 PROVIDE CLEANING EYES AT NECESSARY LOCATIONS (BENDS)
  OF THE SEWER AND WASTE WATER PIPES.
- 10 APPLY TWO COATS OF 'XYPEX' OR 'VANDEX' WATER PROOFING PAINT ON ENTIRE STRUCTURAL SURFACE OF TOILET AREAS BEFORE LAYING THE LEVELLING SCREED.

### II GULLY

225MM X225 MM STONE WARE GULLY WITH
TRAP HAVING STAINLESS STEEL GRATING
ON TOP, SET ON CONCRETE BASE,
II2 MM BRICK WALL SURROUND TO BE CONSTRUCTED AND
CONNECTED TO WASTE WATER LINES

### 12 CATCH PIT

ISO MMXISOMM XI25MM DEEP INJECTION MOULDED PVC FLOOR TRAP WITH STAINLESS STEEL GRATING ON TOP ,SET ON CONCRETE AND CONNECTED TO WASTE WATER LINES

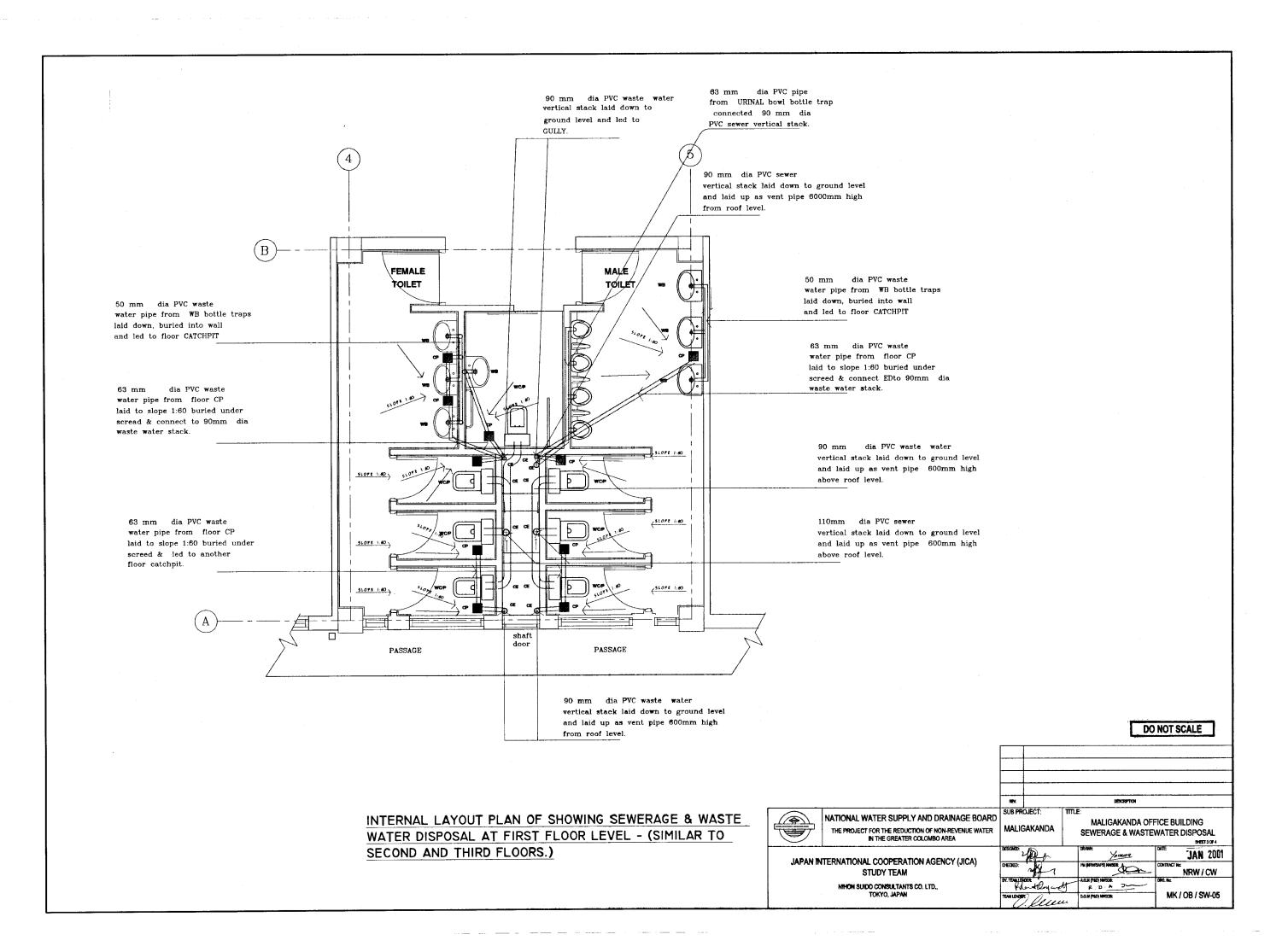
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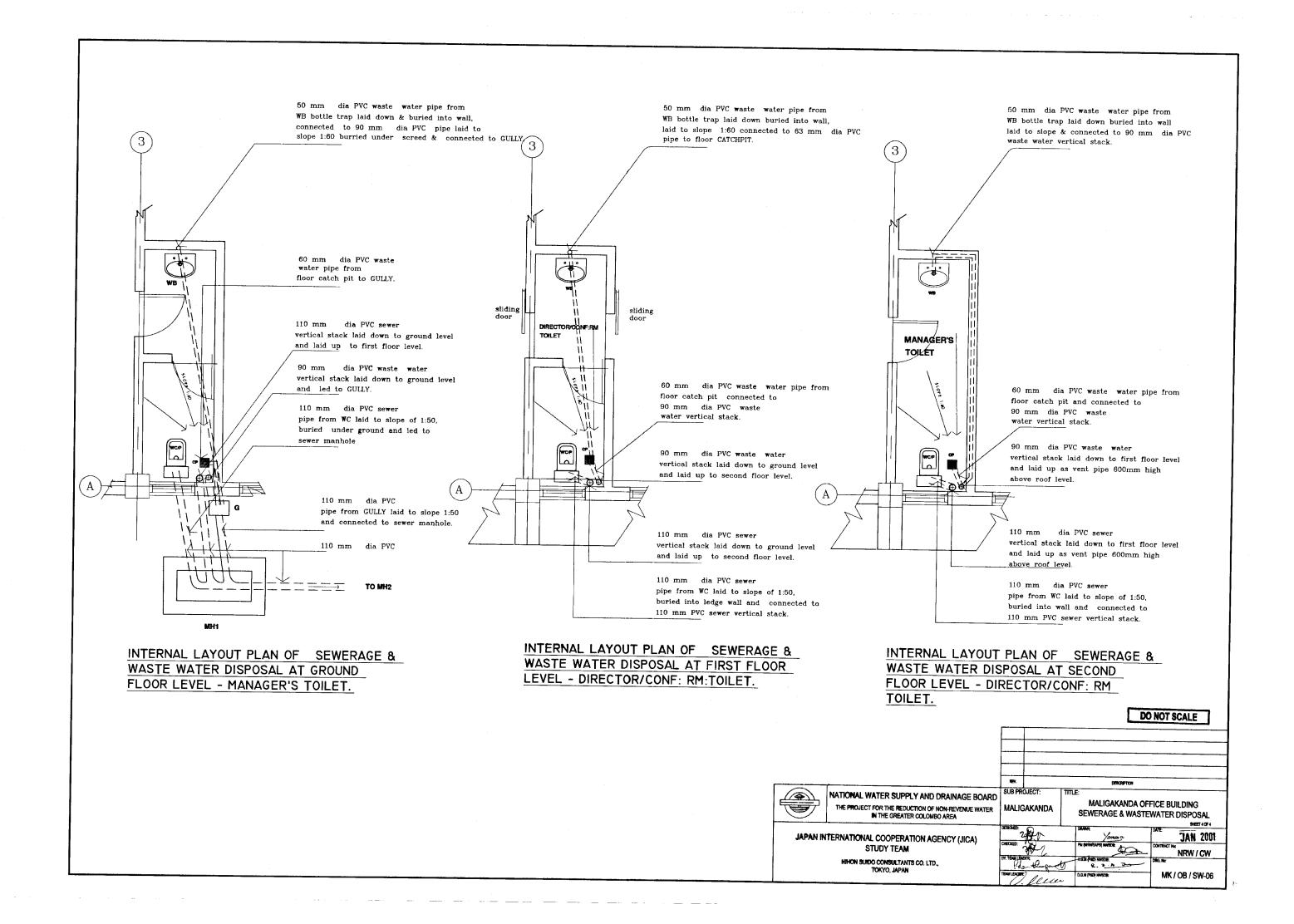


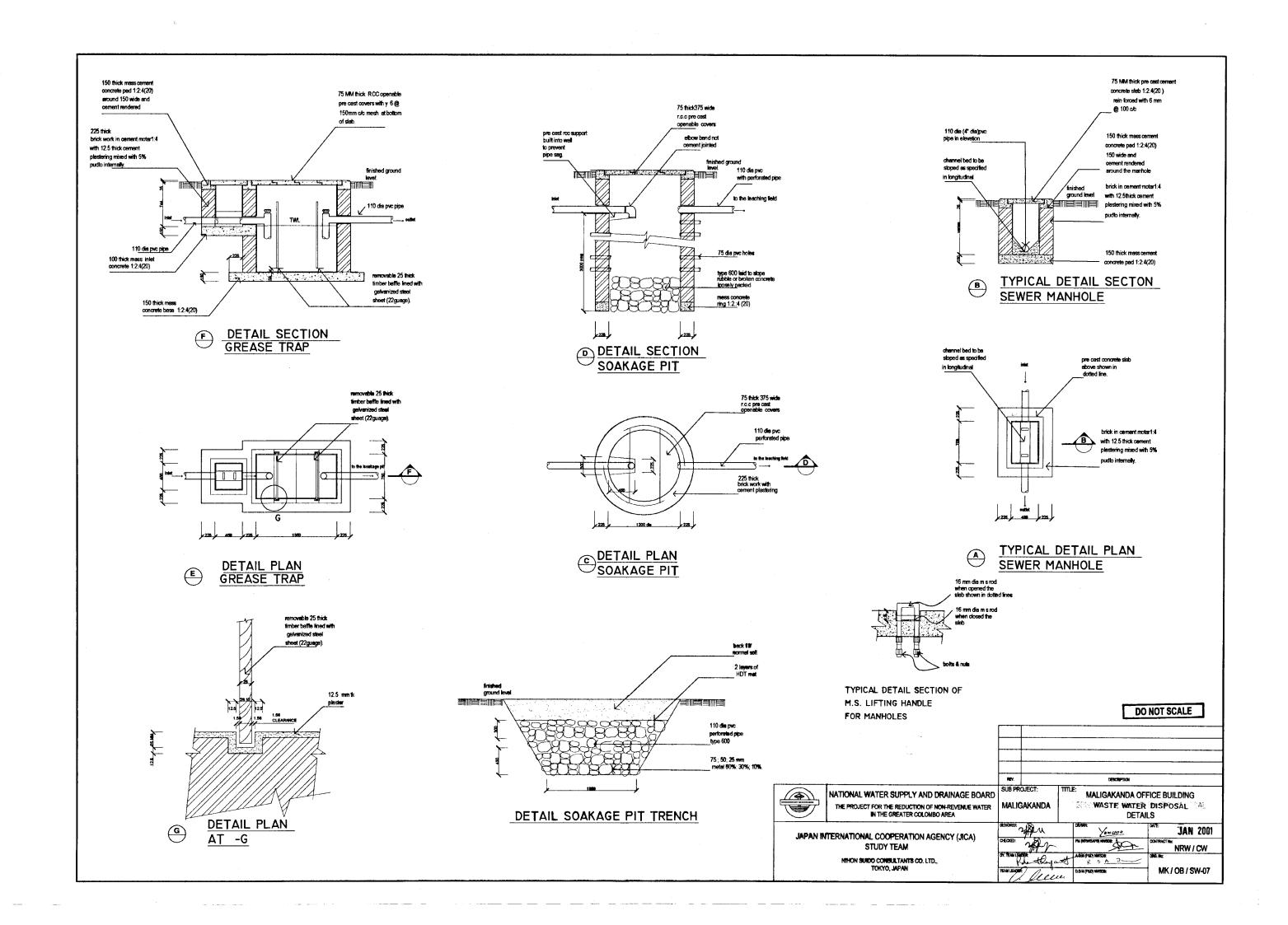
NATIONAL WATER SUPPLY AND DRAINAGE BOARD
THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER
IN THE GREATER COLOMBO AREA

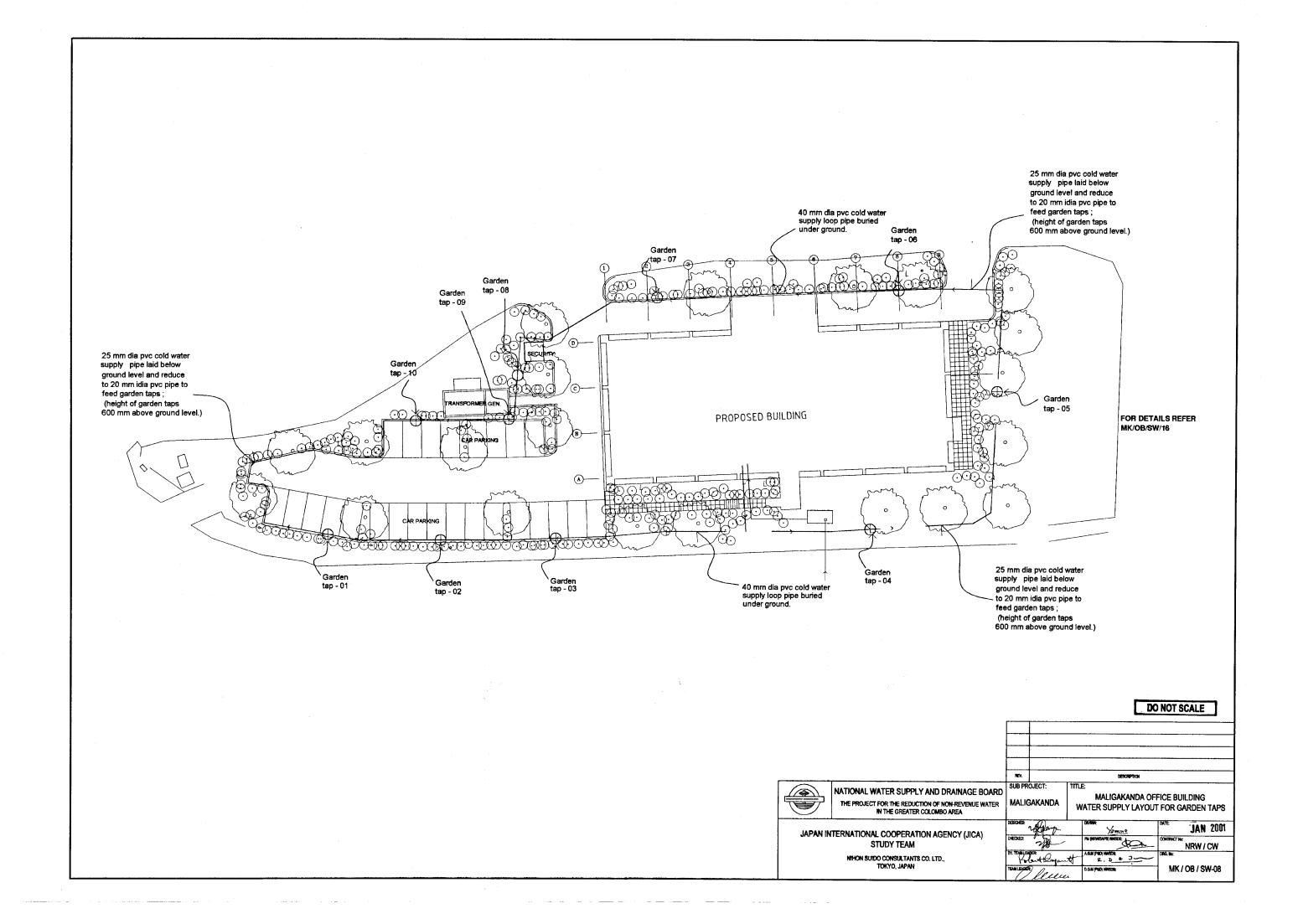
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM

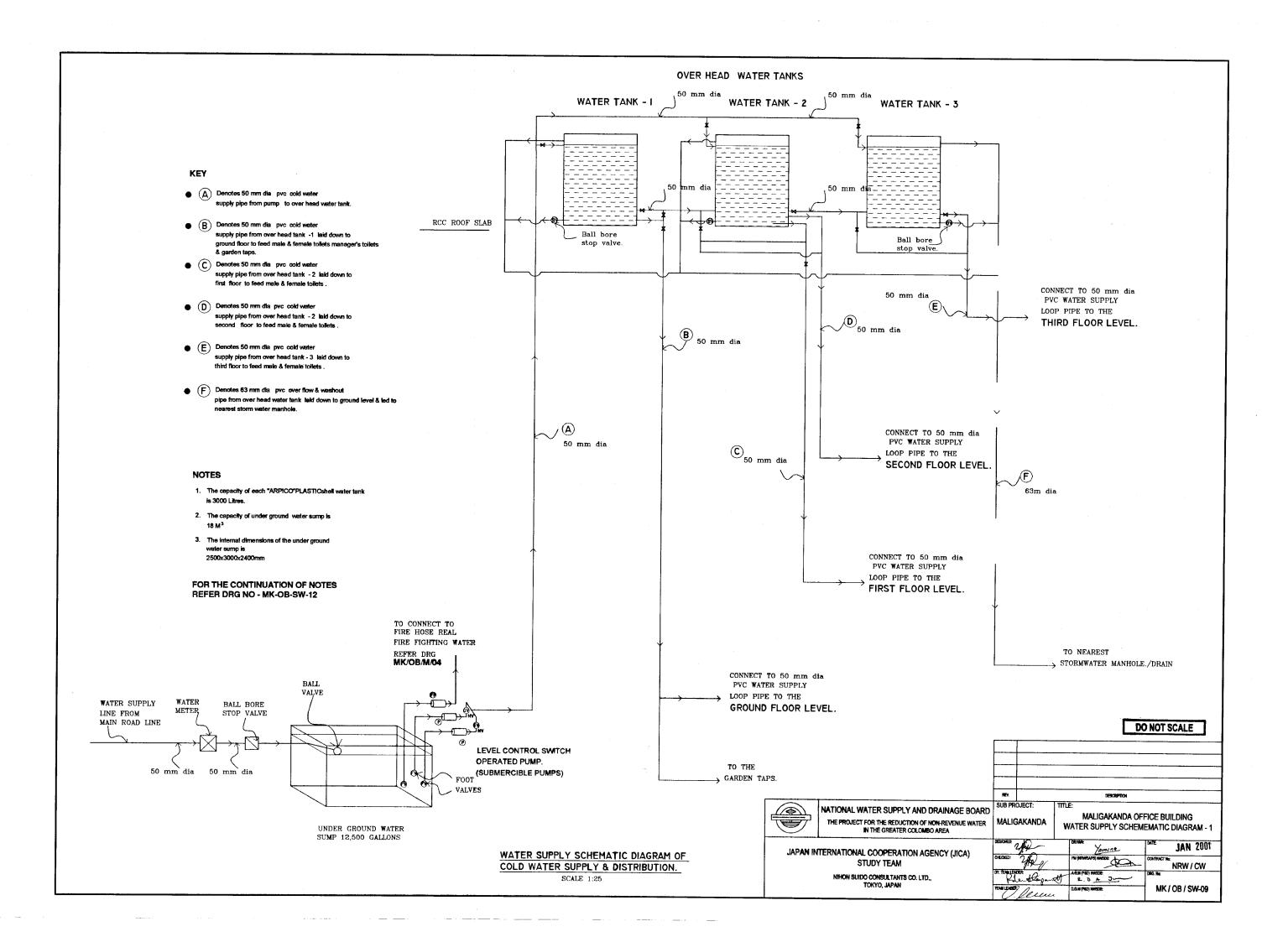
	L				
	REV.		DESCRIPTION		
)	SUB PROJECT:		TITLE:		
	MALIGAKANDA		SEWERAGE & WAS	MALIGAKANDA OFFICE BUILDING SEWERAGE & WASTEWATER DISPOSAL	
	DESKINED:	19-1	Journey A	JAN 2001	
	CHECKED:	ym-	PM (NYWISAPS) NWODE	- CONTRACT NO: NRW / CW	
	DY TEM LENGTH Depart		R.D.A. J	DRG. No:	
	TEAM LEADER	Peu	D.G.M (PED) NWSDE:	MK/OB/SW-04	

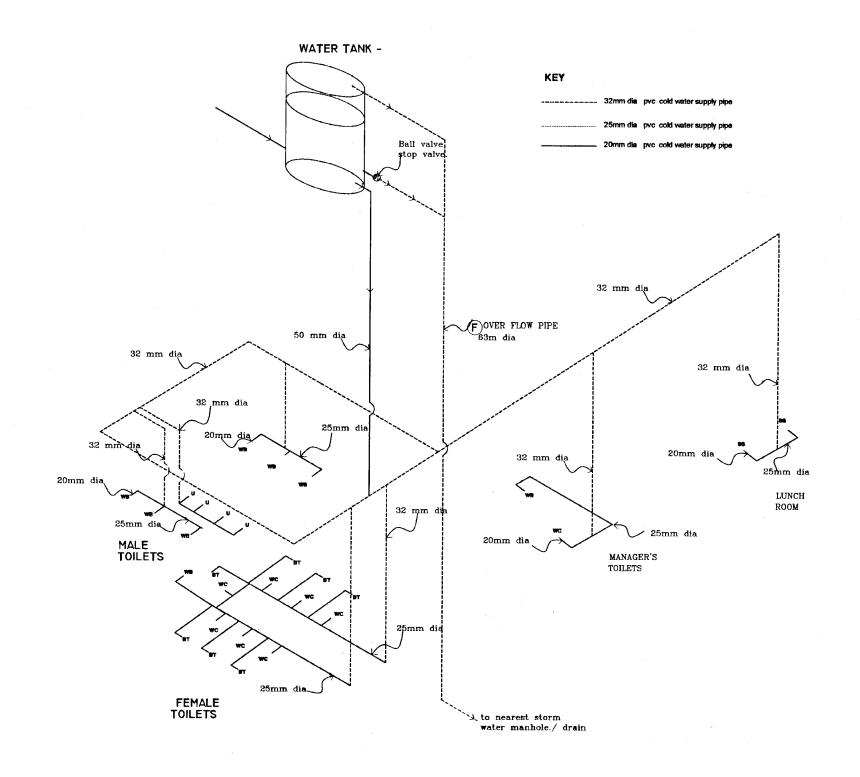












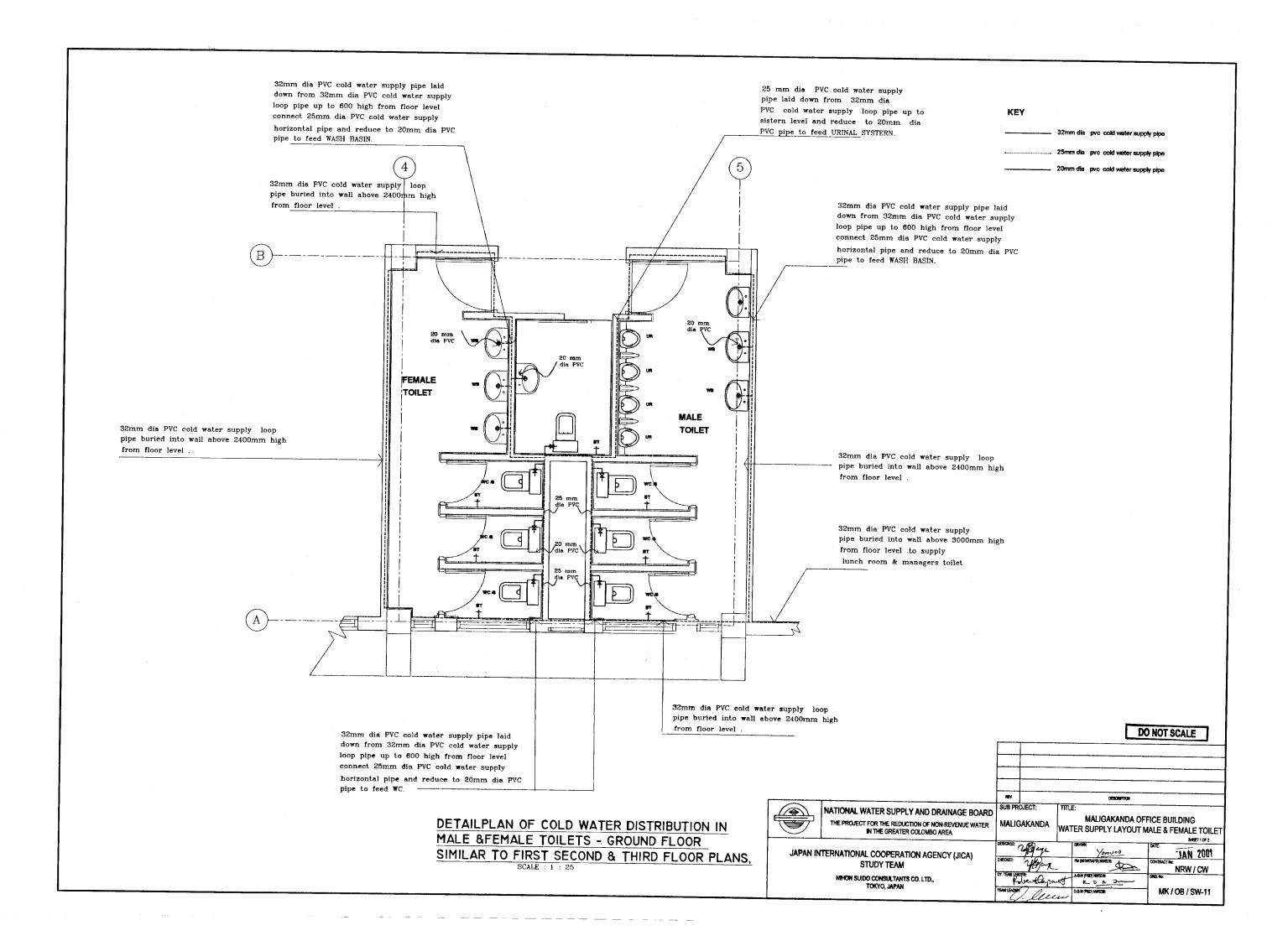
SCHEMATIC DIAGRAM SHOWING COLD WATER SUPPLY & DISTRIBUTION IN TYPICAL FLOOR.

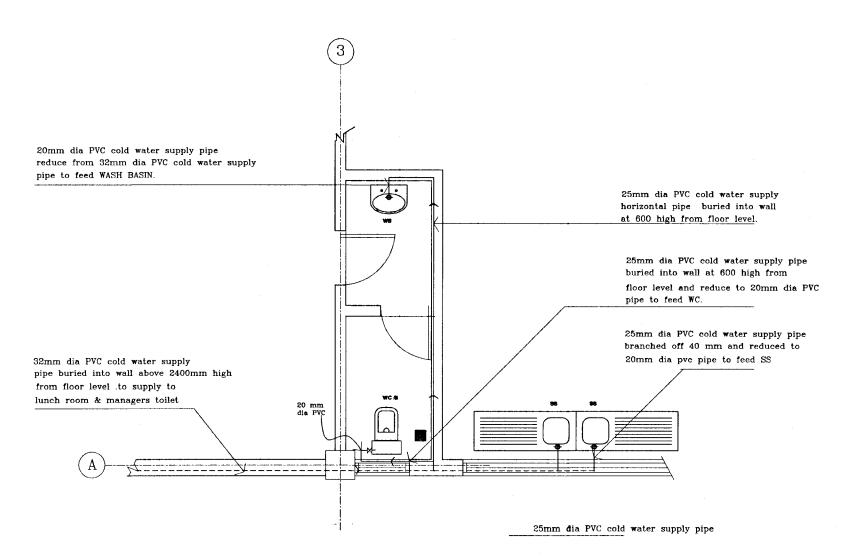
SCALE : 1 : 25

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

			DO	NOT SCALE
	Nerv.			
		DESCRIPTION		
)		SAKANDA	MALIGAKANDA OFF WATER SUPPLY SCHEI	
	DESIGNED:	rogan	yamina Yamina	JAN 2001
	CHECKED:	M	PM (MRWISAPS) NWSDE:	CONTRACT HIS  NRW / CW
	Went Dana		AGM (PED) MISOB:	DRO. No.
	TEAM LEASON	Men	D.G.M (P&D) NWSDR:	MK/OB/SW-10





DETAILPLAN OF COLD WATER DISTRIBUTION IN
MANAGER'S TOILET & LUNCH ROOM.- GROUND FLOOR
SIMILAR TO FIRST SECOND & THIRD FLOORS

SCALE : 1 : 25

KEY		
	32mm dia	pvc cold water supply pip
•	25mm dia	pvc cold water supply pip
	20mm dia	pvc cold water supply pip

#### ABBREVIATION FOR THE TOILET DRAWINGS.

WB WASH BAS

WC/S WATER CLOSET WITH "S" TRAP.

WC/P WATER CLOSET WITH "P" TRAP

MH MAN HO

SS STAINLESS STEEL SINI

UB URINAL BOY

P LEVEL CONTROL SWIT

OI ERRIED I CHI

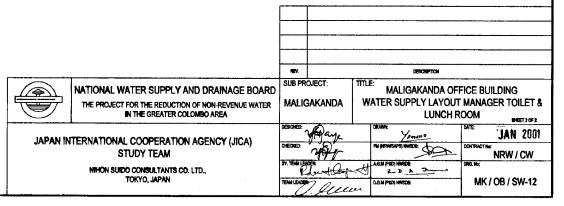
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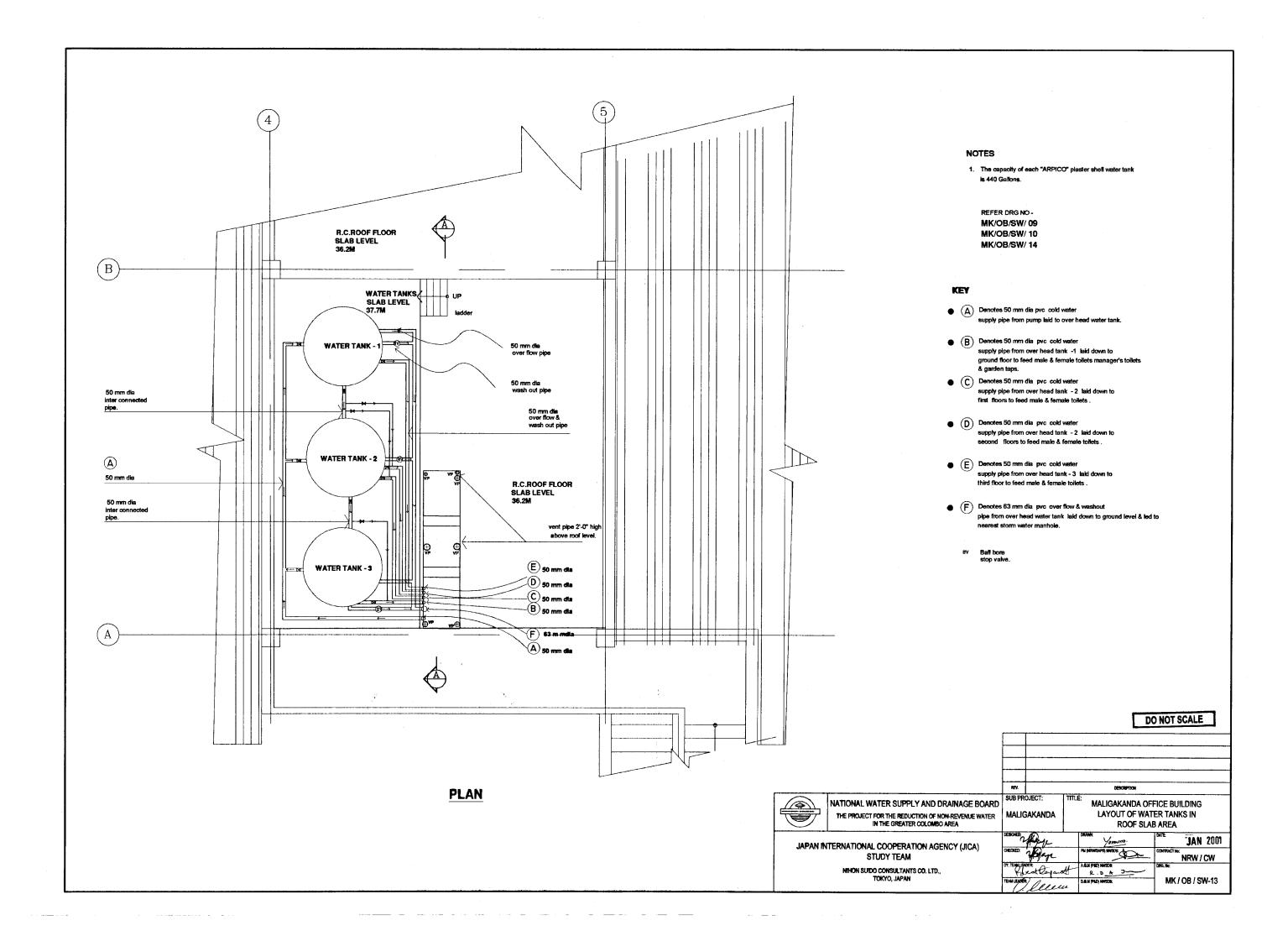
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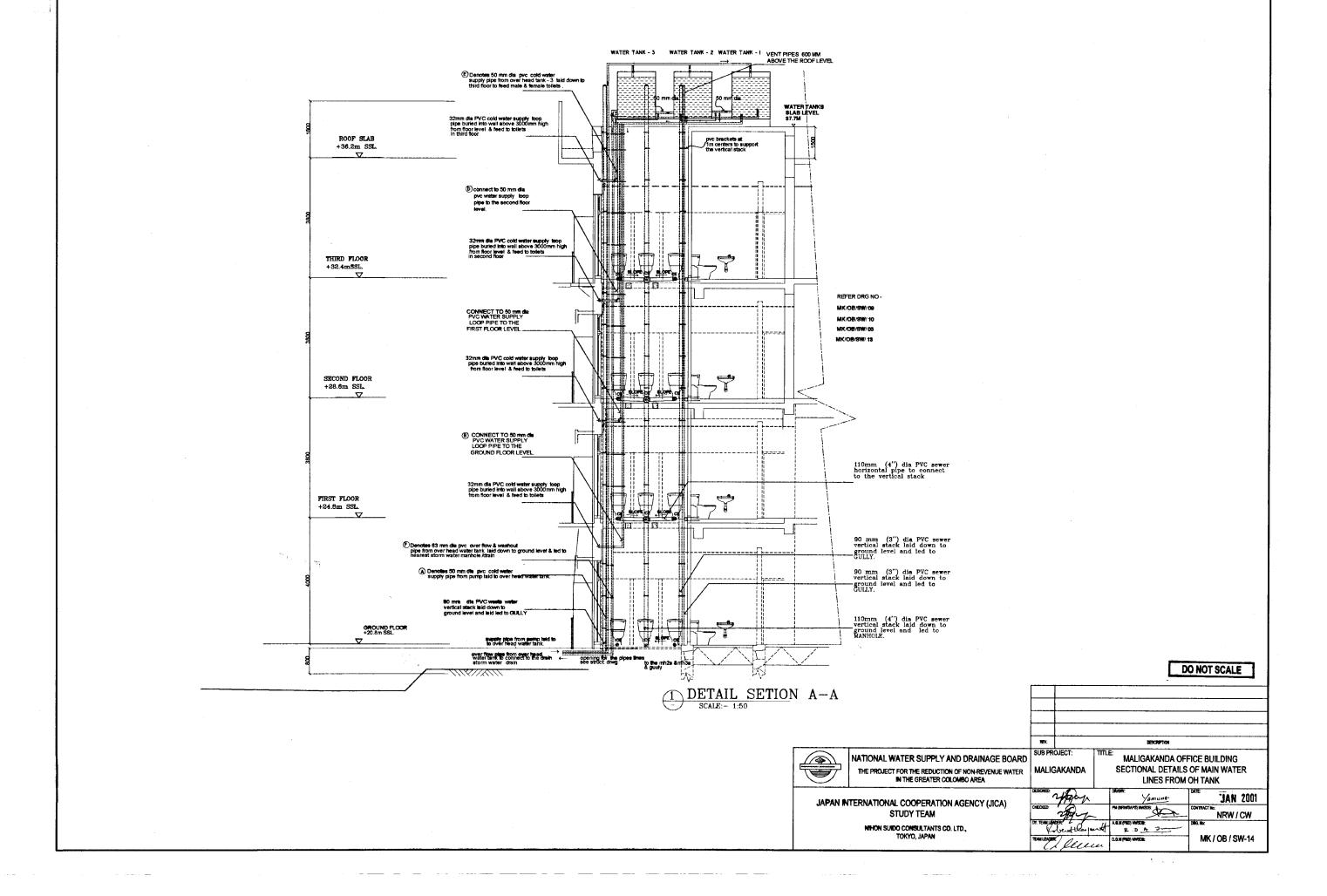
MV NONE STOR VALL

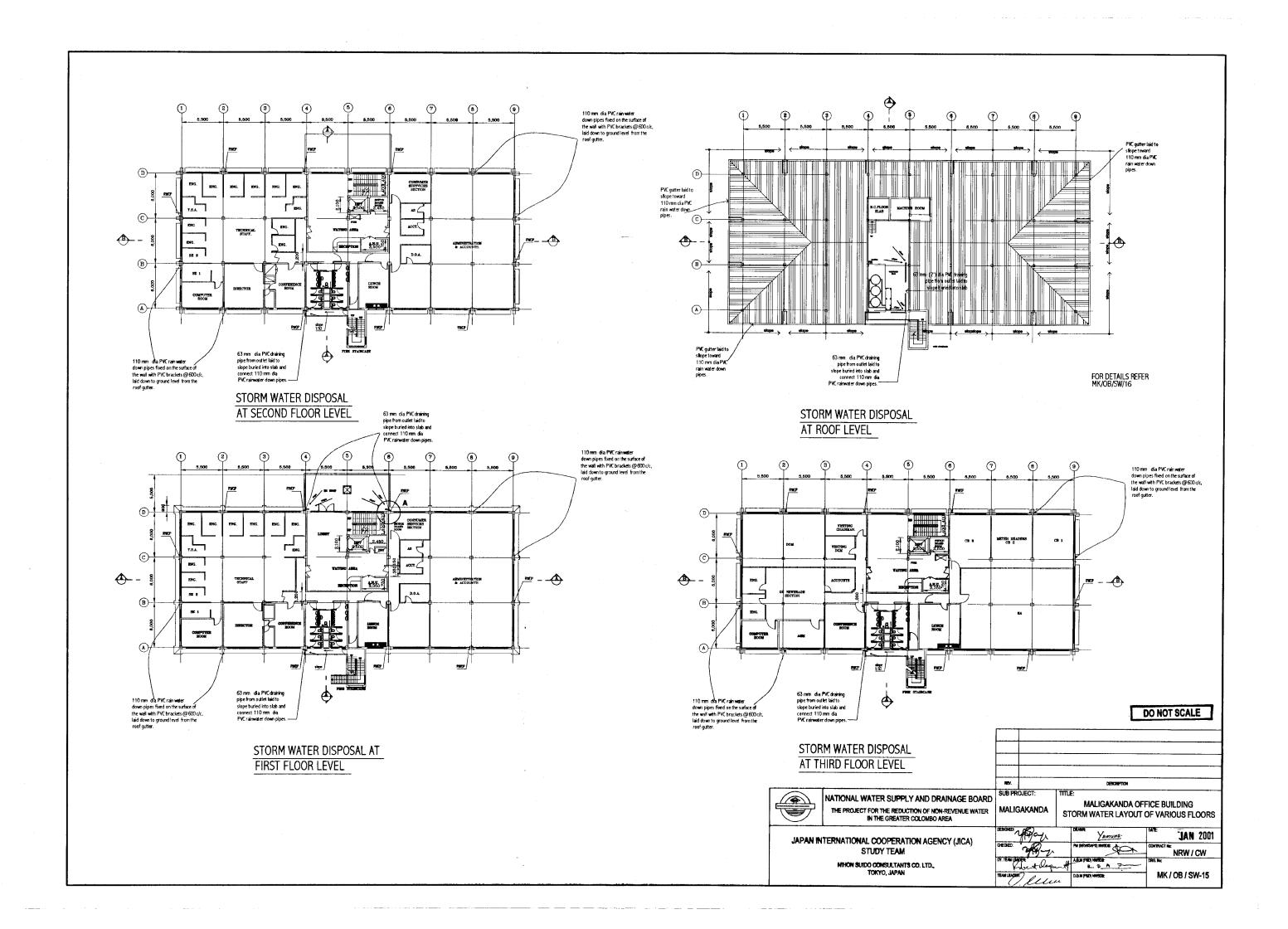
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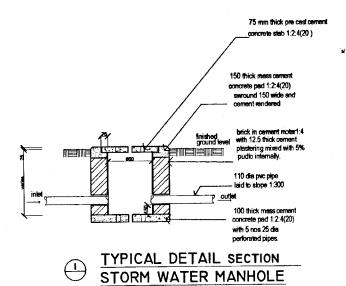
### DO NOT SCALE





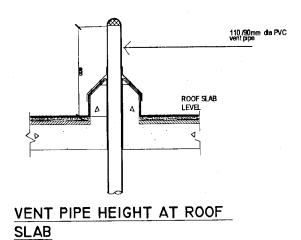






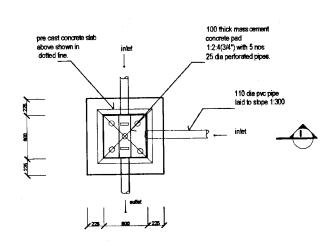
16 mm dia m s rod when opened the slab shown in dotted lines

TYPICAL DETAIL SECTION OF M.S. LIFTING HANDLE FOR MANHOLES



63 mm dis PVC draining pipe from outlet laid to slope buried into slab and connect 110 mm dia PVC rainwater down pipes

110 mm die PVC rain water down pipes fixed on the surface of the wall with PVC brackets @ 600 o/c, leid down to ground level from the



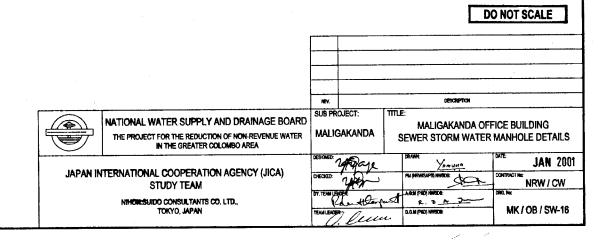
100tX100MM 150x150 mm conc: pad GARDEN TAP DETAIL

> REFER MK/OB/ SW/15 MK/0B/A-23

DETAIL AT - A

RC ROOF OVER PORCH

outlet



TYPICAL DETAIL PLAN STORM WATER MANHOLE