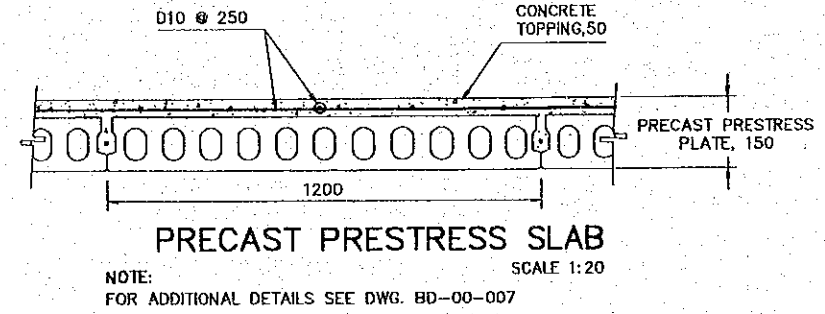
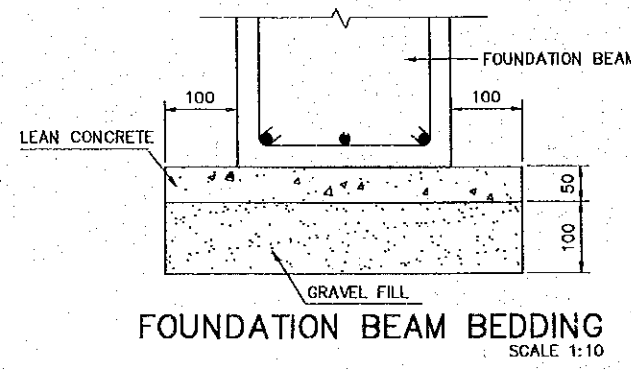
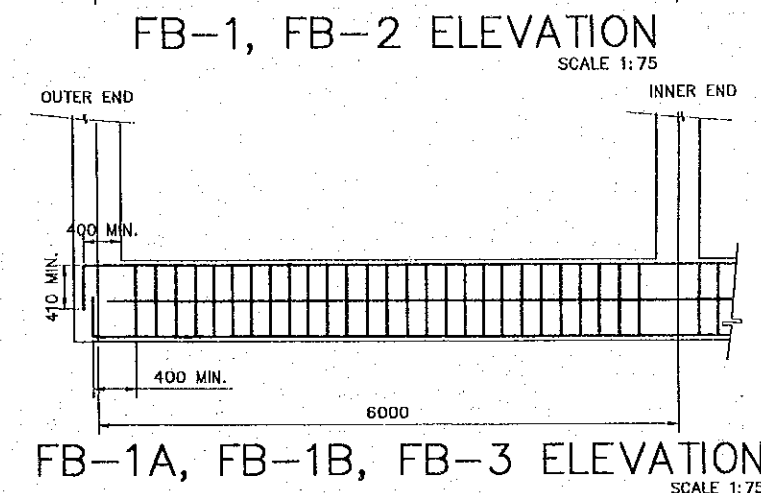
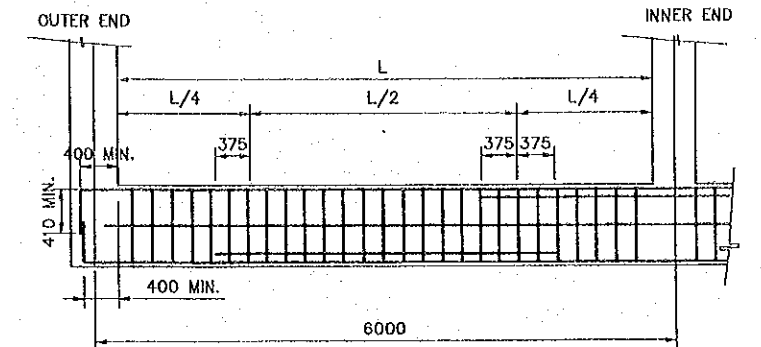
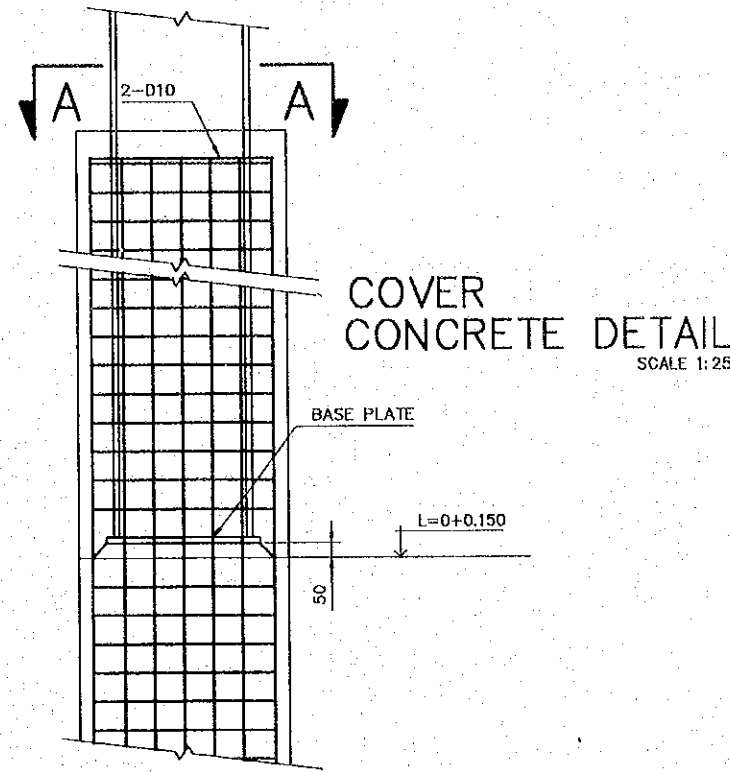


MARK	C1	C2	C3
SECTION			
	OUTER SIDE	WALL FACE SIDE	
B x D	500 x 900	460 x 800	400 x 470
MAIN BAR	14-D25	12-D25	8-D22
HOOP	D10 @ 100	D10 @ 100	D10 @ 200
STUD	4-φ16 @ 200 H=80	4-φ16 @ 200 H=80	2-φ16 @ 200 H=80
PLATE	BPL-670x280x22 ANCHOR BOLT 4-7/8" L=900	BPL-600x260x19 ANCHOR BOLT 4-7/8" L=900	BPL-260x190x16 ANCHOR BOLT 2-7/8" L=900

SECTION A



THICKNESS	LOCATION	DIRECTION	
		SHORTER SIDE	LONGER SIDE
S1, 180MM.	TOP	D13 @ 200	D10, D13 @ 250
	BOTTOM	D13 @ 200	D10 @ 250
S2, 150MM.	BOTTOM	D13 @ 200	D10 @ 200

SLAB SCHEDULE

MARK	MEMBER	PIN CONNECTIONS
C1	W24X84	
C2	W21X68	
C3	W8X21	PL9, 2-7/8"
C4	C-4X5.4	PL9, 2-3/4"
B-1	W24X84	-
B-2	W8X21	-
B-3	W6X20	-
B-4	W10X54	-
B-5	W14X53	-
B-6	W6X25H	PL9, 2-7/8"
B-7	W6X20H	PL9, 2-7/8"
B-8	W8X21H	PL9, 2-7/8"
B-9	W10X60H	PL12, 2-7/8"
BR-1	L4"X5/8"	-
BR-2	L3"X3/8"	-

NOTES:
 * SEE STEEL DETAIL
 PLATE THICKNESS → DIAMETER OF BOLTS
 PL9, 2-7/8"
 ↑ NUMBER OF BOLTS

STEEL MEMBER SCHEDULE

MARK	FB-1 (FB-1A)			FB-1B
	OUTER END	CENTER	INNER END	ALL
SECTION				
	() INDICATE FB-1A			
B x D	350 X 850			300 X 650
TOP BAR	4-D25 (3-D25)	4-D25 (3-D25)	6-D25 (3-D25)	3-D25
BOTTOM BAR	3-D25	6-D25 (3-D25)	3-D25	3-D25
STIRRUP	D13@200			D13@200
WEB BAR	2-D10			2-D10
TIE	D10 @ 1000			D10 @ 1000

FOUNDATION BEAM SCHEDULE

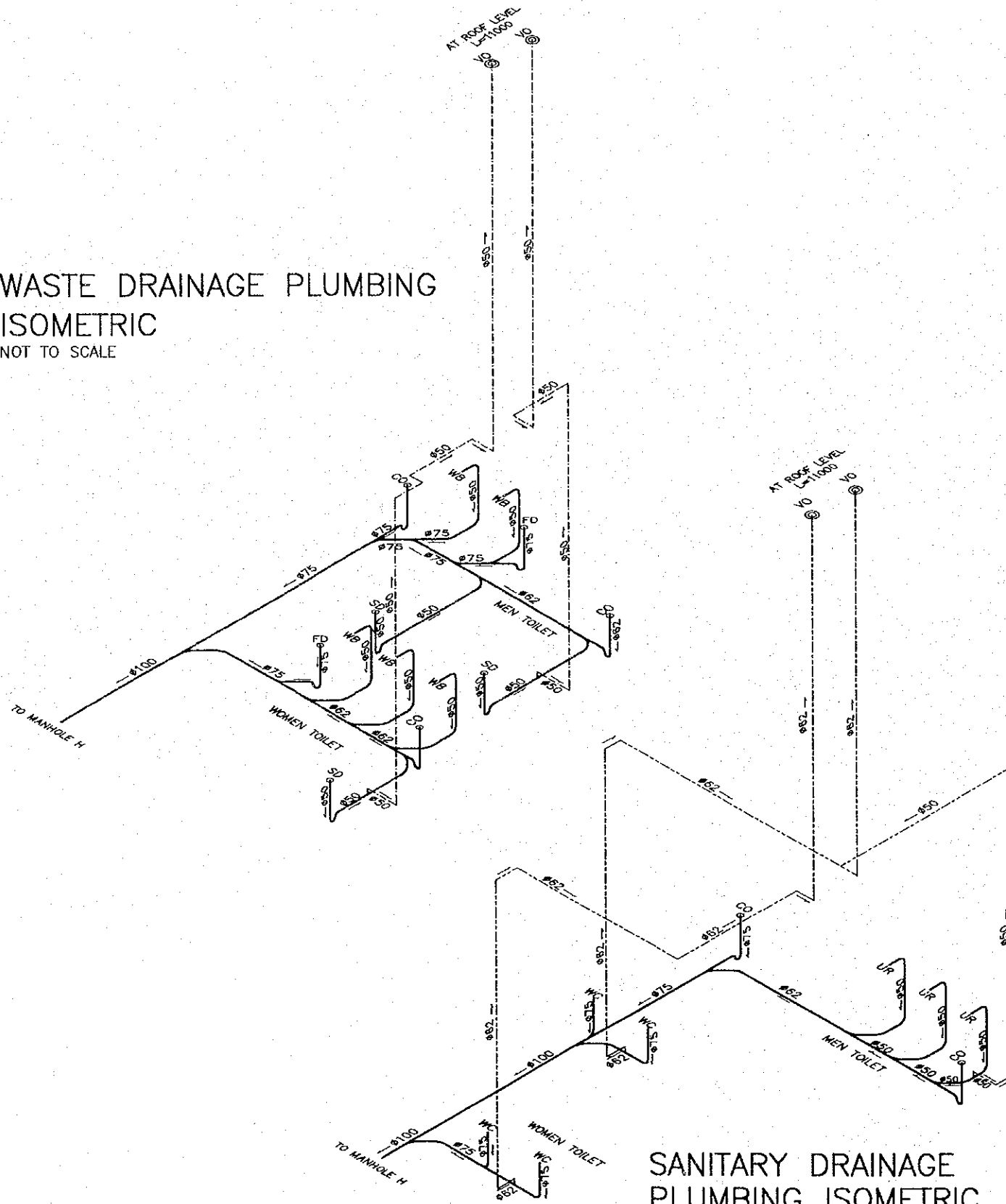
MARK	FB-2		
	OUTER END	CENTER	INNER END
SECTION			
B x D	300 X 650		
TOP BAR	3-D25	3-D25	5-D25
BOTTOM BAR	3-D25	5-D25	3-D25
STIRRUP	D13@200		
WEB BAR	2-D10		
TIE	D10@1000		

MARK	FB-3
	ALL
SECTION	
B x D	300 X 500
TOP BAR	3-D25
BOTTOM BAR	3-D25
STIRRUP	D13@200
WEB BAR	-
TIE	-

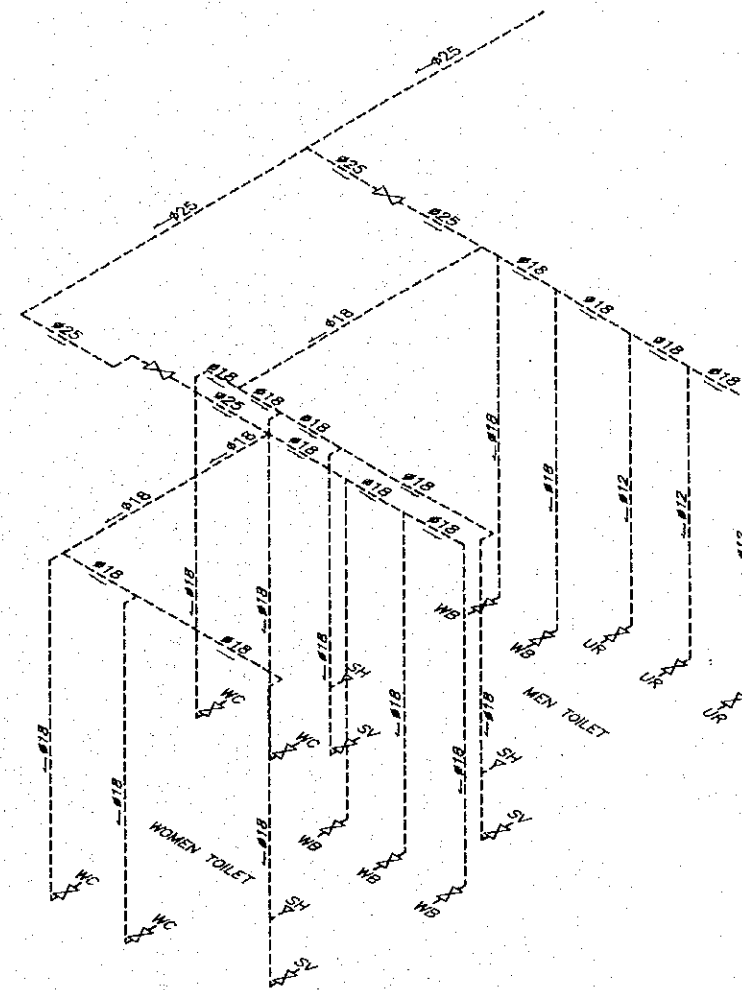
NOTE:
 CLEAR COVER FOR TOP BAR IS 75MM.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR</p> <p>NIPPON KOEI CO., LTD.</p>	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
							APPROVED BY :	TITLE :	SCALE :	INDICATED
								BUILDING WORK	DRAWING NO. :	BD-03-027
								MAINTENANCE AND REPAIR SHOP		
								STRUCTURAL FOUNDATION BEAM, COLUMN, BEAM AND SLAB SCHEDULE		

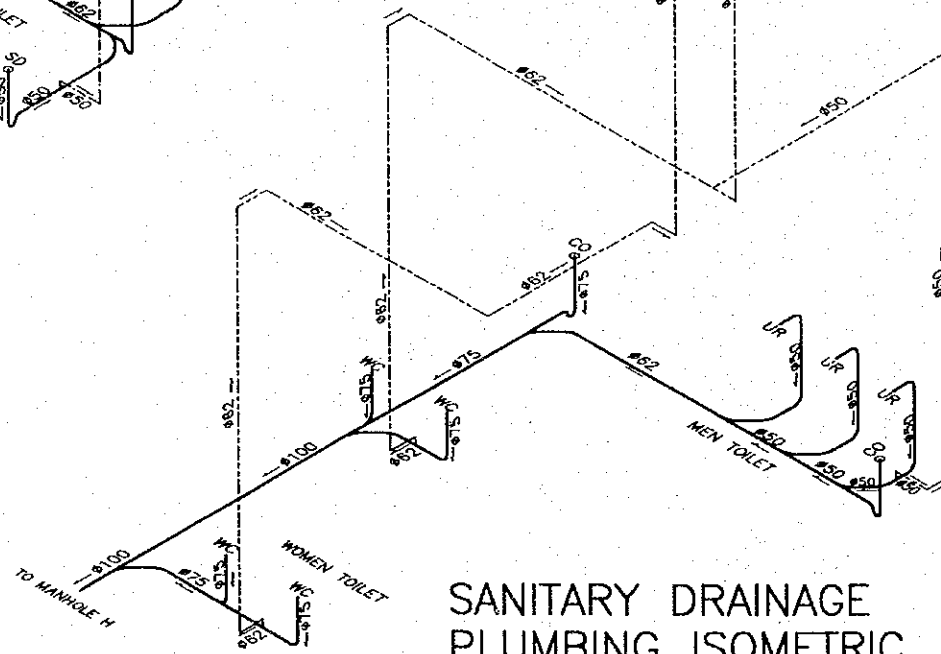
WASTE DRAINAGE PLUMBING
ISOMETRIC
NOT TO SCALE



WATER SUPPLY PLUMBING ISOMETRIC
NOT TO SCALE



SANITARY DRAINAGE
PLUMBING ISOMETRIC
NOT TO SCALE



LEGEND

- WC WATER CLOSET
- WB WASH BASIN
- UR URINAL
- MSK METAL SINK
- SV SHOWER VALVE
- SH SHOWER HEAD
- VO VENT OUTLET
- CO CLEAN OUT
- FD FLOOR DRAIN
- SD SHOWER DRAIN
- METER INSIDE PIT
- VALVE INSIDE PIT
- SHUT OFF VALVE
- TRAP
- GREASE TRAP
- FLOW DIRECTION
- WATER SUPPLY PIPE
- SANITARY DRAINAGE PIPE
- SANITARY VENT
- WASTE DRAINAGE PIPE
- WASTE VENT PIPE

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY
(JICA)

Cepa
COMISION EJECUTIVA
PORTUARIA AUTONOMA
(CEPA)

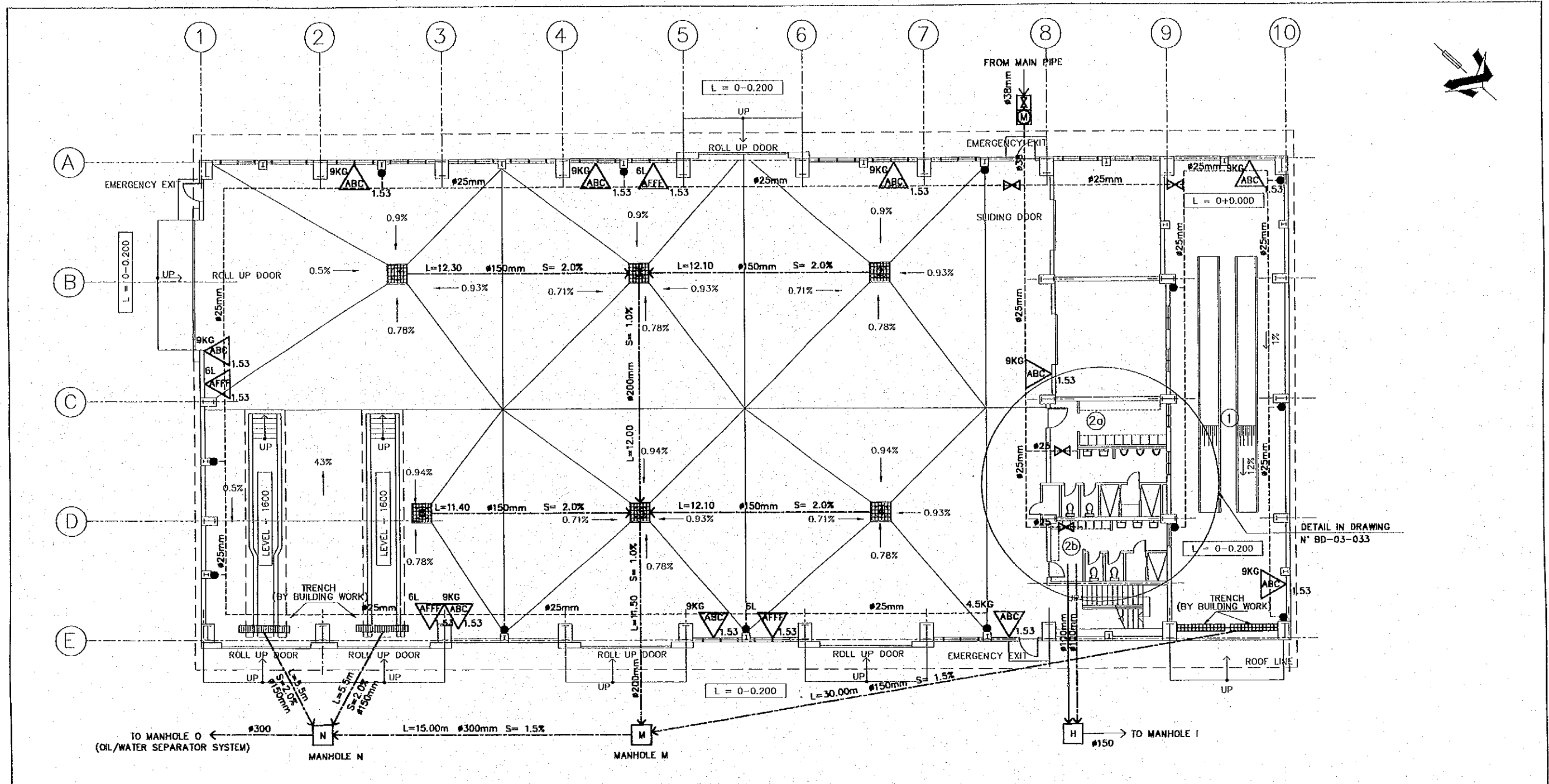
THE DETAILED DESIGN
ON PORT REACTIVATION PROJECT
IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : MAINTENANCE AND REPAIR SHOP
TITLE : PLUMBING SYSTEM ISOMETRICS

DATE : OCTOBER/2002
SCALE : NOT TO SCALE
DRAWING NO. : BD-03-030



MANHOLE SCHEDULE			
MANHOLE IDENTIFICATION	GRATE LEVEL	BOTTOM LEVEL	DEPTH m
1	0+0.150	0-0.85	1.00
2	0+0.150	0-0.85	1.00
3	0+0.150	0-1.25	1.40
4	0+0.150	0-0.85	1.00
5	0+0.150	0-1.40	1.55
6	0+0.150	0-0.85	1.00

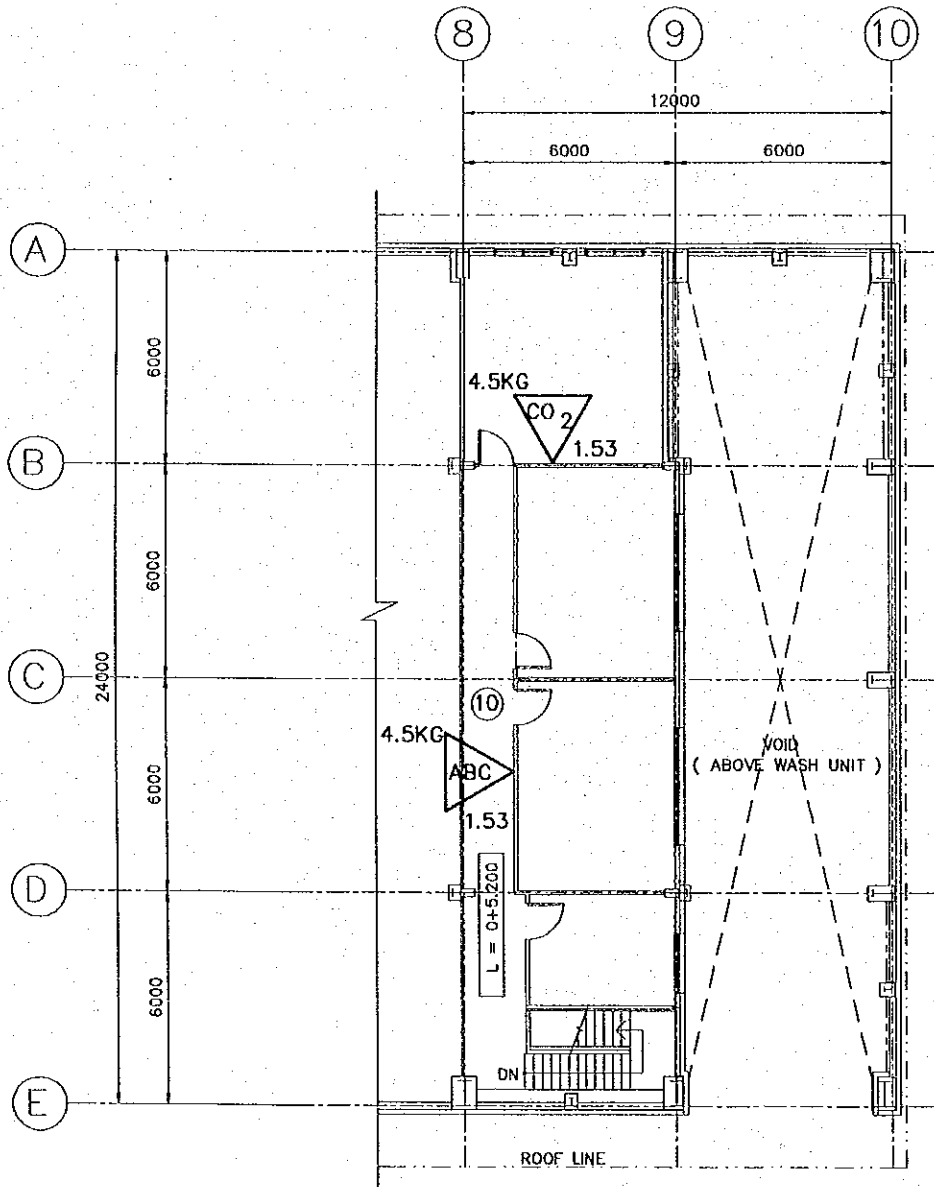
PLUMBING SYSTEM AND FIRE FIGHTING SYSTEM LAYOUT (FIRST FLOOR)

SCALE 1:200

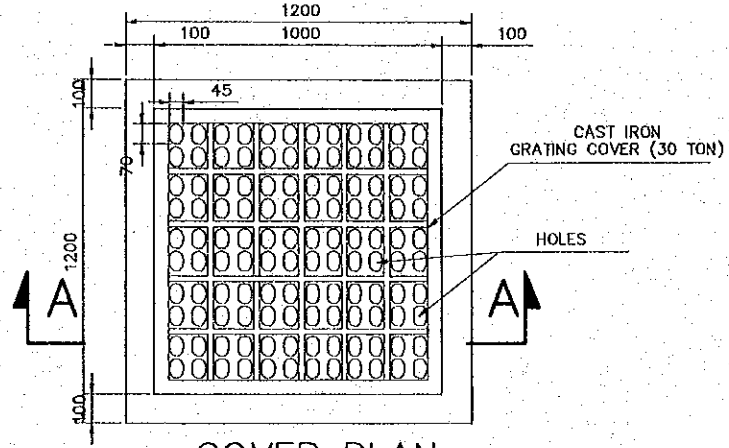
NOTES

- 1) WASTE AND SANITARY DRAINAGE PIPES TO BE PVC
- 2) WATER SUPPLY PIPES TO BE PVC
- 3) FIRE FIGHTING SYSTEM PIPES TO BE GALVANIZED IRON

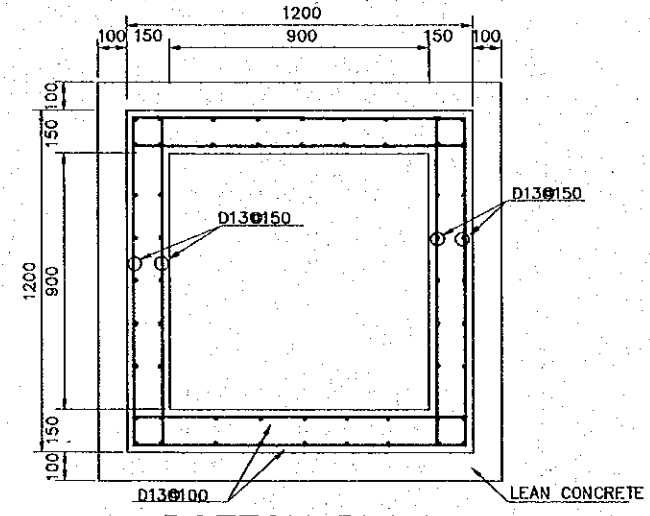
<p>FIRE FIGHTING SYMBOLS</p> <p> ABC (MULTIPURPOSE) DRY POWDER EXTINGUISHER</p> <p> AB CLASS AFFF EXTINGUISHER</p> <p> AB CLASS AFFF CO2 EXTINGUISHER</p> <p> KITCHEN CLASS EXTINGUISHER</p> <p>LEGEND</p> <p>P CHARGE</p> <p>h PLACEMENT HEIGHT</p>	<p>PLUMBING SYMBOLS</p> <p> VERTICAL PIPE DOWN</p> <p> WATER SUPPLY PIPE</p> <p> WASTE DRAINAGE PIPE</p> <p> SANITARY DRAINAGE PIPE</p> <p> METER INSIDE PIT</p> <p> VALVE INSIDE PIT</p> <p> SHUT OFF VALVE</p> <p> MANHOLE WITH GRATING COVER</p>	<p>(ROOM LIST)</p> <p>① WASH UNIT</p> <p>②a TOILETS (MEN)</p> <p>②b TOILETS (WOMEN)</p>
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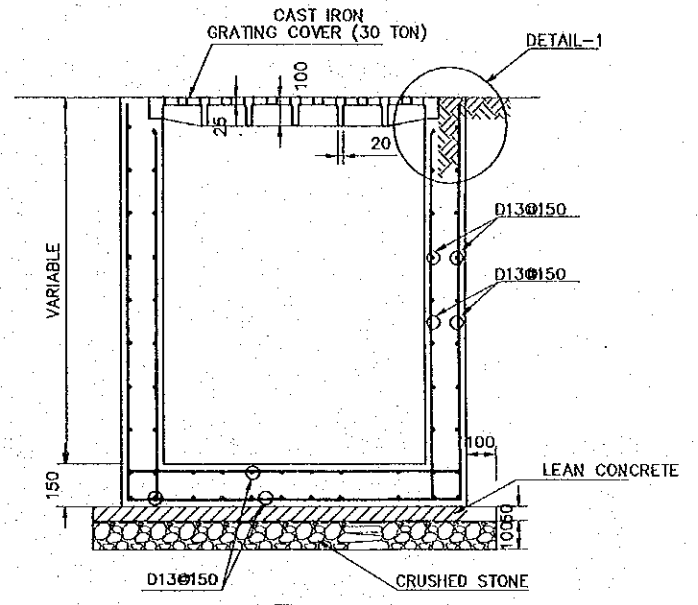
FIRE FIGHTING SYSTEM
SECOND FLOOR
SCALE 1:200



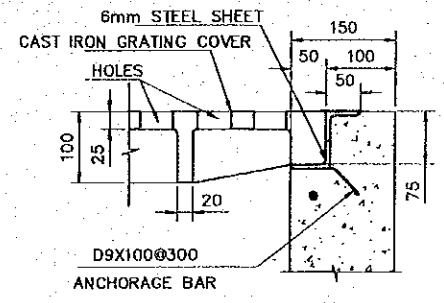
COVER PLAN
SCALE 1:25



BOTTOM PLAN
SCALE 1:25



SECTION A-A
SCALE 1:25



DETAIL-1
SCALE 1:10

DETAIL OF MANHOLE

SYMBOLS		LEGEND
	ABC CLASS DRY POWDER EXTINGUISHER	P CHARGE
	BC CLASS CO2 EXTINGUISHER	h PLACEMENT HEIGHT

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

Cepa
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

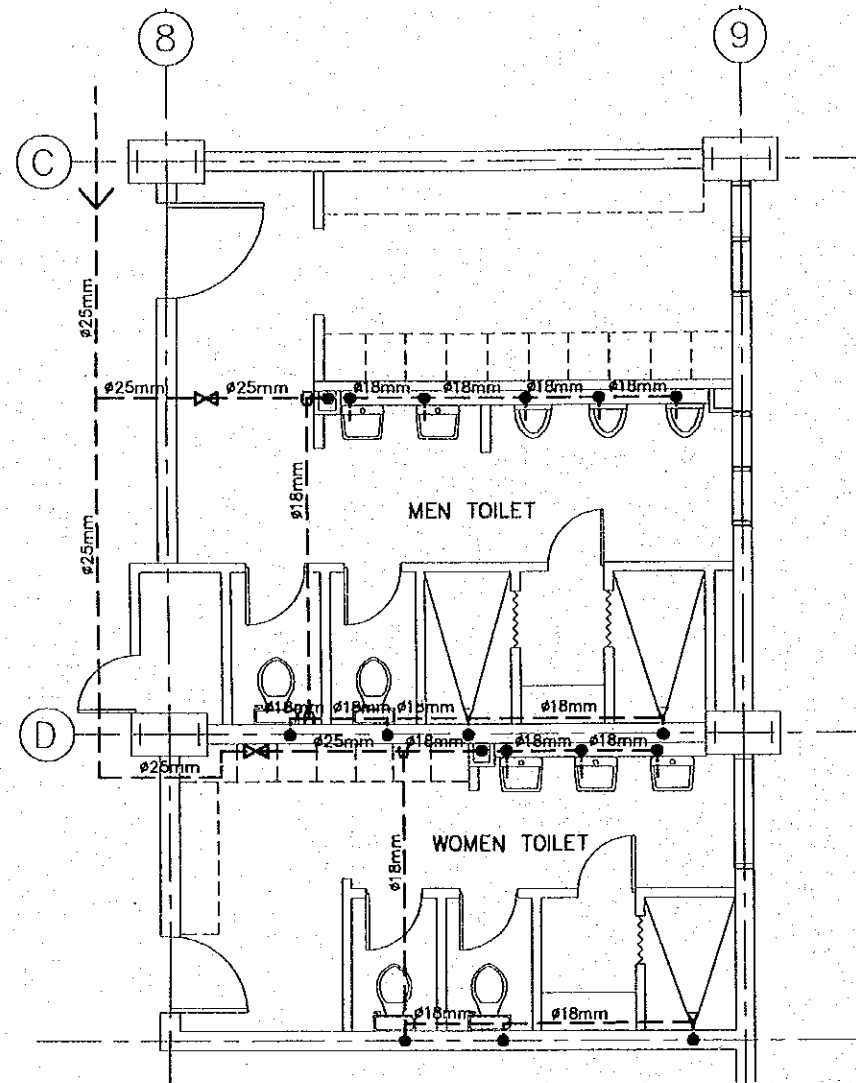
THE DETAILED DESIGN
ON PORT REACTIVATION PROJECT
IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NK
NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

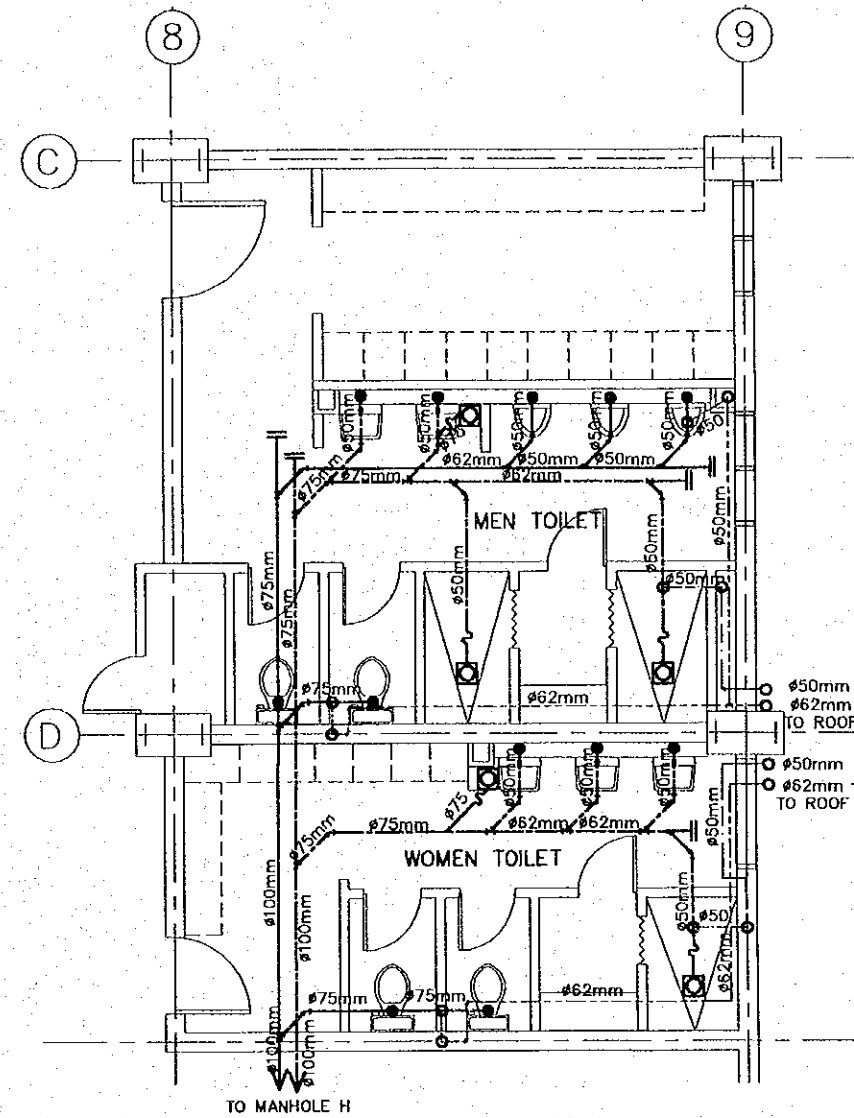
SECTION : BUILDING WORK
SUB-SECTION : MAINTENANCE AND REPAIR SHOP
TITLE : FIRE FIGHTING SYSTEM
SECOND FLOOR,
PLUMBING DETAILS

DATE : OCTOBER/2002
SCALE : INDICATED
DRAWING NO. : BD-03-032



WATER SUPPLY PLUMBING SYSTEM

ESC. 1:75



WASTEWATER PLUMBING SYSTEM

ESC. 1:75



NOTES


- 1) SANITARY AND WASTE DRAINAGE PIPES TO BE PVC
- 2) WATER SUPPLY PIPES TO BE PVC
- 3) FIRE FIGHTING SYSTEM PIPES TO BE GALVANIZED IRON

PLUMBING SYMBOLS

●	VERTICAL PIPE DOWN	----	WATER SUPPLY PIPE
○	VERTICAL PIPE UP	----	WASTE DRAINAGE PIPE
⊗	METER INSIDE PIT	----	WASTE VENTILATION PIPE (IN UNDERGROUND PIT)
⊕	VALVE INSIDE PIT	----	SANITARY DRAINAGE PIPE
⊘	SHUT OFF VALVE	----	SANITARY VENTILATION PIPE
⊞	FLOOR DRAIN		

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

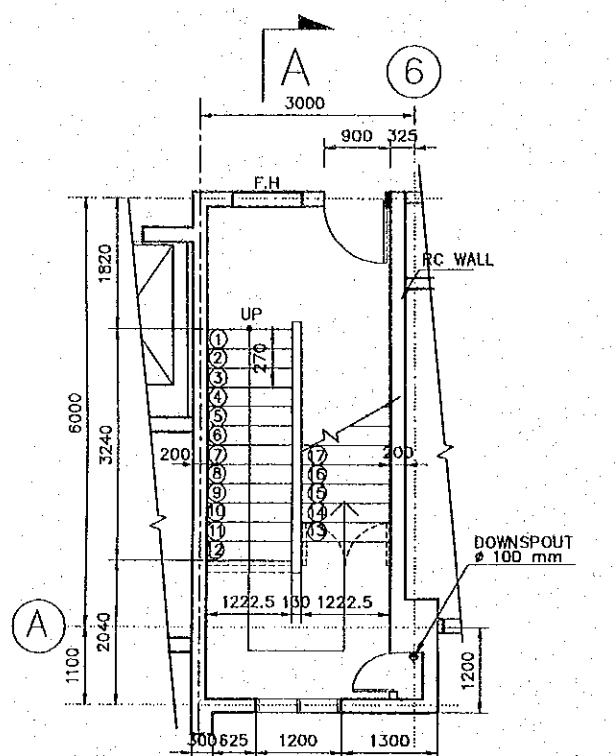
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

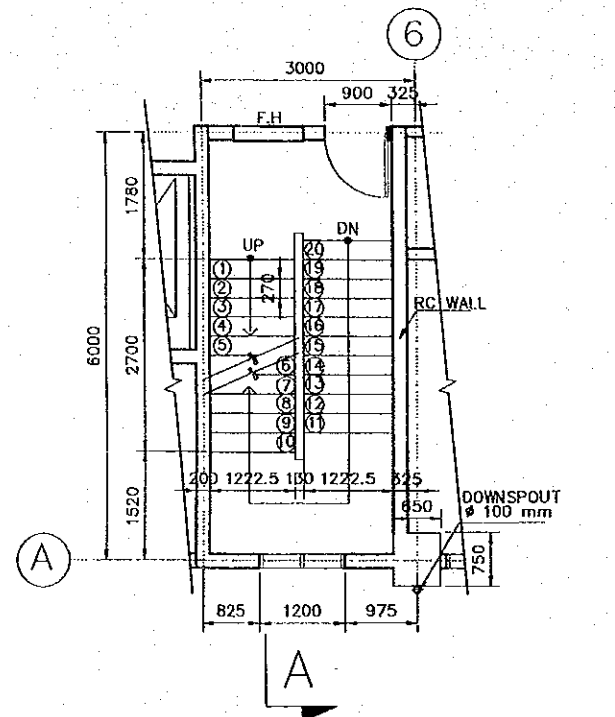
DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : MAINTENANCE AND REPAIR SHOP
 TITLE : PLUMBING SYSTEM TOILET DETAIL

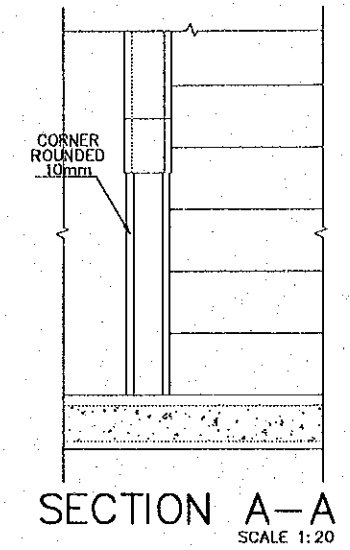
DATE : OCTOBER/2002
 SCALE : 1:75
 DRAWING NO. : BD-03-033



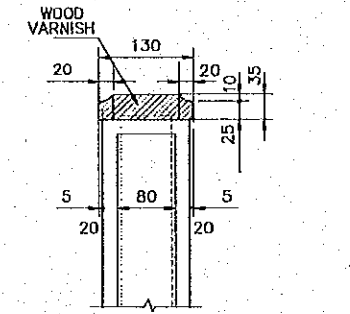
MAIN STAIRS PLAN: FIRST TO SECOND FLOOR
SCALE 1:100



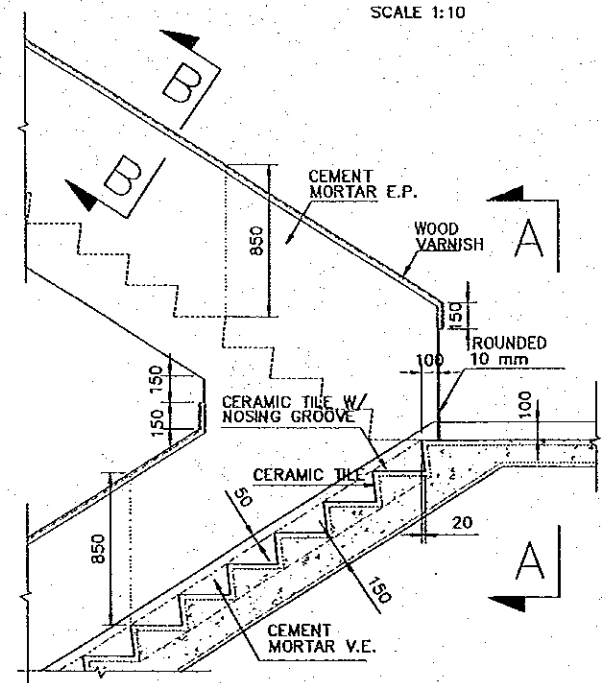
MAIN STAIR PLAN: ABOVE SECOND FLOOR
SCALE 1:100



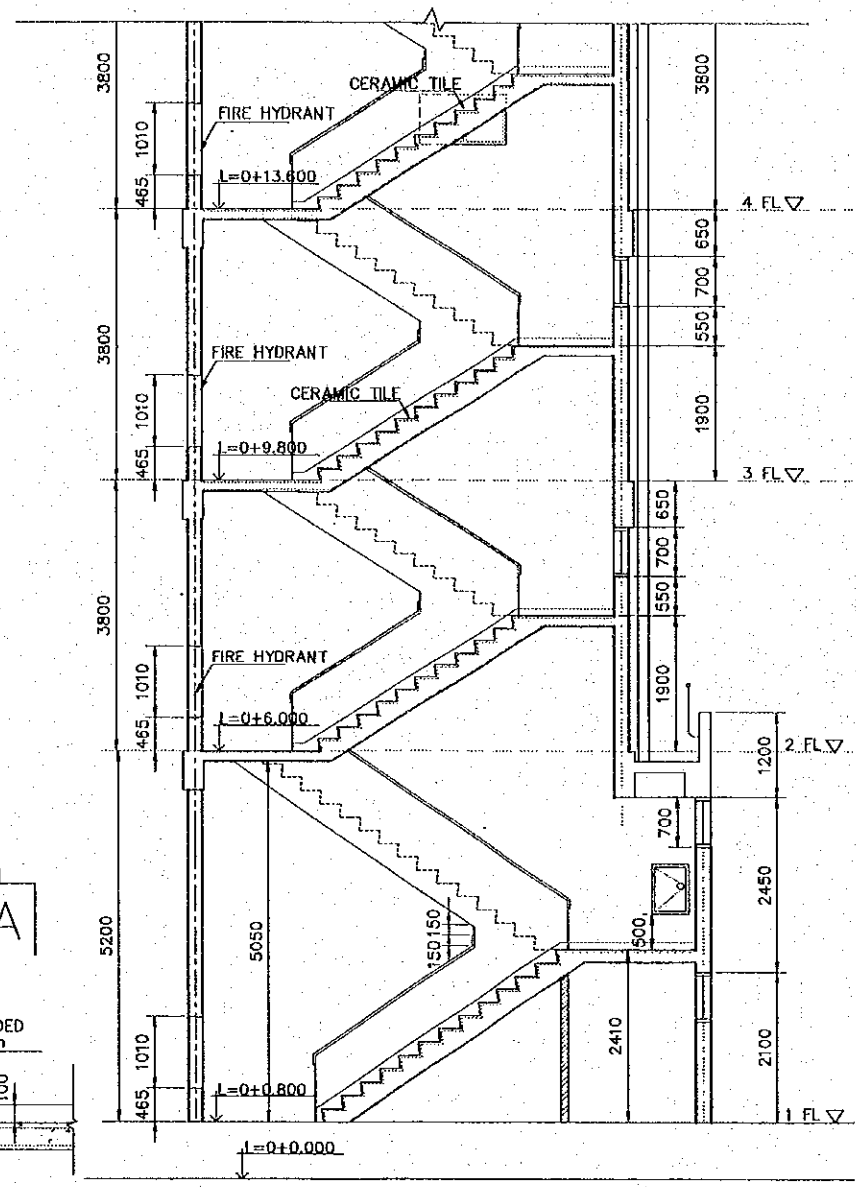
SECTION A-A
SCALE 1:20



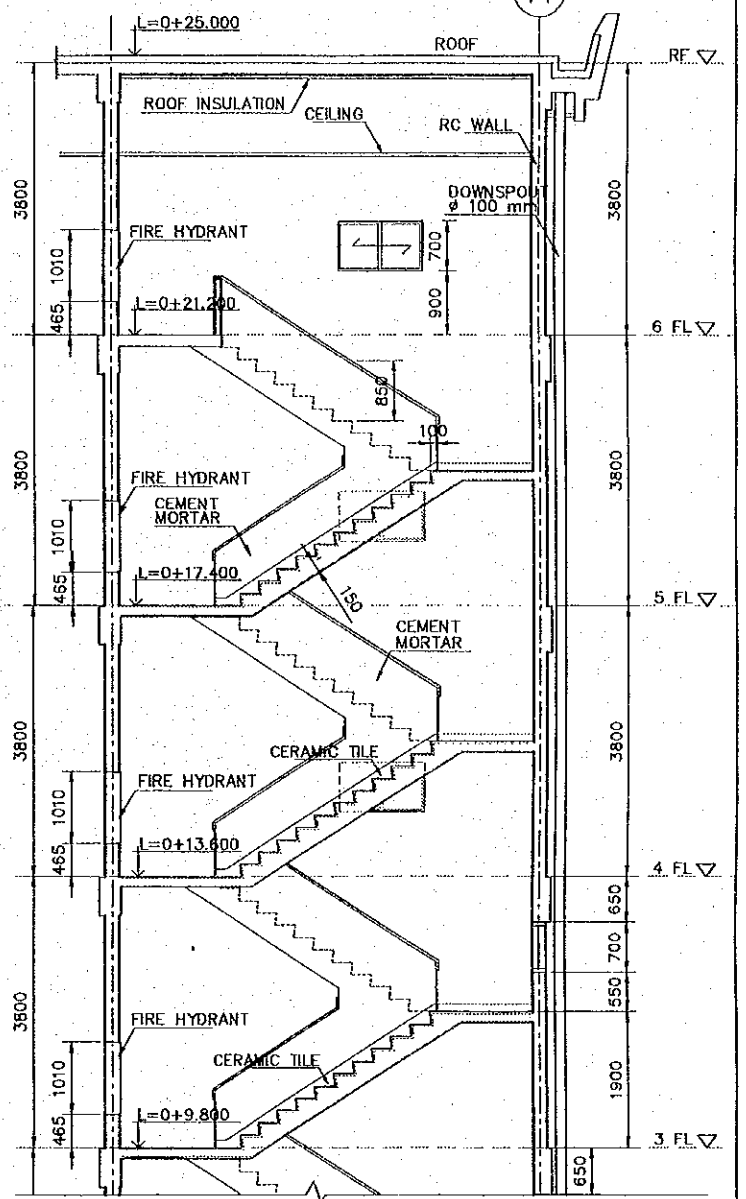
SECTION B-B
SCALE 1:10



TYP. STAIR DETAILS FOR MAIN STAIRCASE
SCALE 1:40



STAIR CASE SECTION A-A
SCALE 1:100



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CEPA
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NKC
NIPPON KOEI CO., LTD

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : STAIR CASE DETAIL-01

DATE : OCTOBER/2002
SCALE : INDICATED
DRAWING NO. : BD-01-034

PANELBOARD SCHEDULE

PANEL TG-MRS 3Ø, 4 WIRE SURFACE MOUNTED 500 AMPERE MAIN
 LOCATION MAINTENANCE & REPAIR SHOP 600 AMPERE BUS

CT No.	WIRING	AMPERE			DESCRIPTION	CB		PHASE	CB		DESCRIPTION	AMPERE			WIRING	CT No.
		ØA	ØB	ØC		Pole	AIC		Pole	AIC		ØA	ØB	ØC		
1	4x53.5mm ²	96.4			T-MRS	3	150	—	—	—	3	150	ST-MRS	104.3	4x53.5mm ²	2
3			93.6					—	—	—				111.1		4
5				96.2				—	—	—				111.5		6
7	4x53.5mm ²	118.9			ST-MRS2	3	150	—	—	—	3	200	Travelling crane	140	4x85mm ²	8
9			118.9					—	—	—				140		10
11				110.4				—	—	—				140		12
13								—	—	—						14
		459,6			TOTAL A/ØA											
		463,6			TOTAL A/ØB											
		458,1			TOTAL A/ØC											
		136,356			TOTAL VA											

PANELBOARD SCHEDULE

PANEL ST-MRS 3Ø, 4 WIRE SURFACE MOUNTED 150 AMPERE MAIN
 LOCATION MAINTENANCE & REPAIR SHOP 200 AMPERE BUS

CT No.	WIRING	AMPERE			DESCRIPTION	CB		PHASE	CB		DESCRIPTION	AMPERE			WIRING	CT No.
		ØA	ØB	ØC		Pole	AIC		Pole	AIC		ØA	ØB	ØC		
1	3x5.3mm ²	13.2			400w MH light	2	15	—	—	—	2	15	150w HPS lights	5.00	3x5.3mm ²	2
3			13.2					—	—	—				5.00		4
5	3x5.3mm ²			13.2	400w MH light	2	15	—	—	—	2	15	Wash unit Lights	6.60	3x5.3mm ²	6
7		13.2						—	—	—				6.60		8
9	3x5.3mm ²		5.00		150w HPS light	2	15	—	—	—	1	20	Wash unit outlets	3.30	3x5.3mm ²	10
11				5.00				—	—	—	1	20	Hand dryer	12.5	3x5.3mm ²	12
13	2x5.3mm ²	2.90			Exhaust fan	1	15	—	—	—	2	30	Electric Ov. outlet	20.0	3x5.3mm ²	14
15			2.90		Exhaust fan	1	15	—	—	—				20.0		16
17	3x5.3mm ²			12.5	Hand dryer	1	20	—	—	—	2	30	Mech Ov. outlet	20.0	3x5.3mm ²	18
19	3x5.3mm ²	1.70			120v outlet	1	20	—	—	—	2	30	208v 1Ø outlet	20.0	3x5.3mm ²	20
21			1.70					—	—	—				20.0		22
23	3x5.3mm ²			1.70	120v outlet	1	20	—	—	—	2	30	208v 1Ø outlet	20.0	3x5.3mm ²	24
25			1.70					—	—	—				20.0		26
27	3x5.3mm ²			20.0	208v 1Ø outlets	2	30	—	—	—				20.0		28
29				20.0				—	—	—						30
31								—	—	—						32
		104,3			TOTAL A/ØA											
		111,1			TOTAL A/ØB											
		111,5			TOTAL A/ØC											
		34,640			TOTAL VA											

PLC CONTROLLED
 (TELEMAND MOTOR-DRIVE SWITCH)

PANELBOARD SCHEDULE

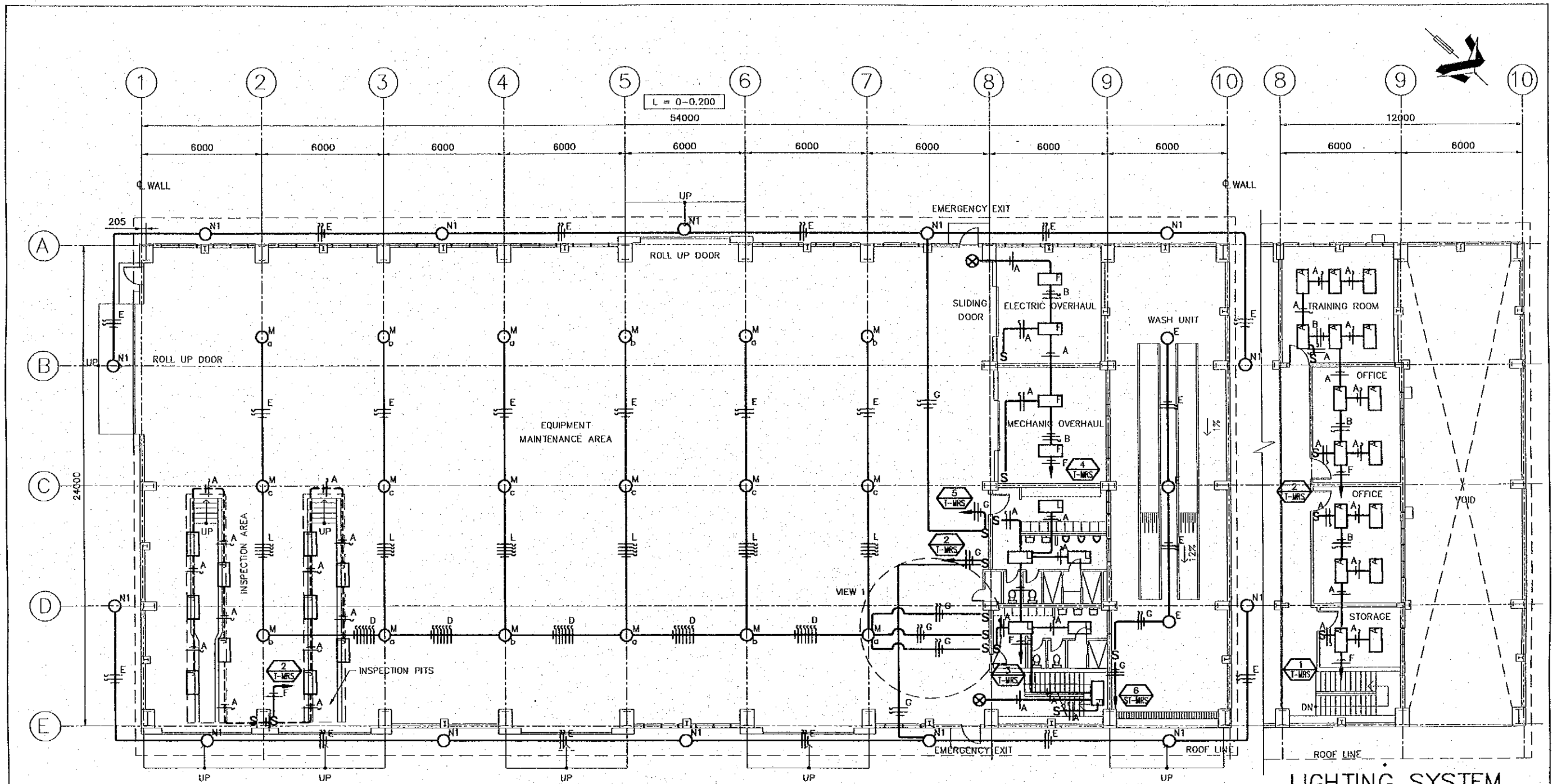
PANEL ST-MRS2 3Ø, 4 WIRE SURFACE MOUNTED 150 AMPERE MAIN
 LOCATION MAINTENANCE & REPAIR SHOP 200 AMPERE BUS

CT No.	WIRING	AMPERE			DESCRIPTION	CB		PHASE	CB		DESCRIPTION	AMPERE			WIRING	CT No.
		ØA	ØB	ØC		Pole	AIC		Pole	AIC		ØA	ØB	ØC		
1	3x8.4mm ²	15.0			3Ø outlet	3	40	—	—	—	3	40	3Ø outlet	15.0	3x8.4mm ²	2
3				15.0				—	—	—				15.0		4
5				15.0				—	—	—				15.0		6
7	3x8.4mm ²	15.0			3Ø outlet	3	40	—	—	—	3	40	3Ø outlet	15.0	3x8.4mm ²	8
9				15.0				—	—	—				15.0		10
11				15.0				—	—	—				15.0		12
13	2x8.4mm ²	33.7			A/C Office	2	60	—	—	—						14
15				33.7				—	—	—						16
17	2x8.4mm ²			25.2	A/C Office	2	50	—	—	—						18
19				25.2				—	—	—						20
21	2x8.4mm ²			25.2	A/C Office	2	50	—	—	—						22
23				25.2				—	—	—						24
25								—	—	—						26
		118,9			TOTAL A/ØA											
		118,9			TOTAL A/ØB											
		110,4			TOTAL A/ØC											
		32,500			TOTAL VA											

LOCATION MAINTENANCE & REPAIR SHOP 200 AMPERE BUS

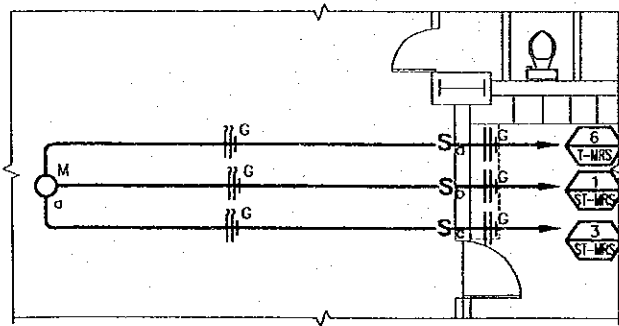
CT No.	WIRING	AMPERE			DESCRIPTION	CB		PHASE	CB		DESCRIPTION	AMPERE			WIRING	CT No.
		ØA	ØB	ØC		Pole	AIC		Pole	AIC		ØA	ØB	ØC		
1	2x5.3mm ²	4.80			Light office	1	15	—	—	—	1	15	Light-inspection pit	5.30	2x5.3mm ²	2
3				7.90	Light office	1	15	—	—	—	1	15	Light-overhaul	4.30	2x5.3mm ²	4
5	2x5.3mm ²			5.30	Light office	1	15	—	—	—	2	15	400w MH light	13.2	3x5.3mm ²	6
7	3x5.3mm ²	6.70			Outlets office	1	20	—	—	—				13.2		8
9				8.30	Outlets office	1	20	—	—	—	1	20	Outlets office	6.70	3x5.3mm ²	10
11	3x5.3mm ²			6.70	Outlets office	1	20	—	—	—	1	20	Outlets-inspection pit	3.30	3x5.3mm ²	12
13				1.70	Outlets	1	20	—	—	—	1	20	Outlets	1.70	3x5.3mm ²	14
15	3x5.3mm ²			1.70	Outlets	1	20	—	—	—	1	20	Outlets	1.70	3x5.3mm ²	16
17	3x5.3mm ²			1.70	Outlets	1	20	—	—	—	2	20	Roll-up door	8.00	3x5.3mm ²	18
19				5.00	Roll-up door	2	15	—	—	—				8.00		20
21				5.00				—	—	—	2	20	Roll-up door	8.00	3x5.3mm ²	22
23	3x5.3mm ²			5.00	Roll-up door	2	15	—	—	—				8.00		24
25				5.00				—	—	—	2	30	208v 1Ø outlet	20.0	3x13.6mm ²	26
27	3x5.3mm ²			5.00	Roll-up door	2	15	—	—	—				20.0		28
29				5.00				—	—	—	2	30	208v 1Ø outlet	20.0	3x13.6mm ²	30
31	3x5.3mm ²			5.00	Roll-up door	2	15	—	—	—				20.0		32
33				5.00				—	—	—	2	30	208v 1Ø outlet	20.0	3x13.6mm ²	34
35								—	—	—				20.0		36
37								—	—	—						38
		96,4			TOTAL A/ØA											
		93,6			TOTAL A/ØB											
		96,2			TOTAL A/ØC											
		30,216			TOTAL VA											

PLC CONTROLLED
 (TELEMAND MOTOR-DRIVE SWITCH)



LIGHTING SYSTEM
FIRST FLOOR PLAN
SCALE 1:200

LIGHTING SYSTEM
MEZZANINE FLOOR PLAN
SCALE 1:200



VIEW 1
SCALE 1:100

WIRING SYMBOLOGY	
SYMBOL	WIRING/DUCTING
A	2 - 2.1 mm ² ∅ 13mm
B	3 - 2.1 mm ² ∅ 13mm
D	7 - 3.3 mm ² ∅ 19mm
E	2 - 3.3 mm ² ∅ 13mm
	1 - 2.1 mm ²
F	2 - 5.3 mm ² ∅ 19mm
G	2 - 5.3 mm ² ∅ 19mm
	1 - 3.3 mm ²
L	5 - 3.3 mm ² ∅ 19mm

SYMBOLS	
	FLUORESCENT 3X32W PARABOLIC TROFFER RECESSED
	FLUORESCENT 4X32W INDUSTRIAL FIXTURE SURFACE MOUNTED
	FLUORESCENT 2X32W HIGH ABUSE FIXTURE CORNER MOUNTED INTO INSPECTION PIT
	FLUORESCENT 4X32W WRAP AROUND SURFACE MOUNTED
	WIRING IN ROOF OR WALL
	WIRING CONCEALED IN FLOOR
	400W METAL HALIDE HIGH BAY PENDANT
	NEUTRAL, PHASE, SWITCH LEG
	EXIT LIGHT
	150W HPS BANTAM
	CIRCUIT FEEDER
	SWITCH
	CIRCUIT NUMBER # FROM PANELBOARD

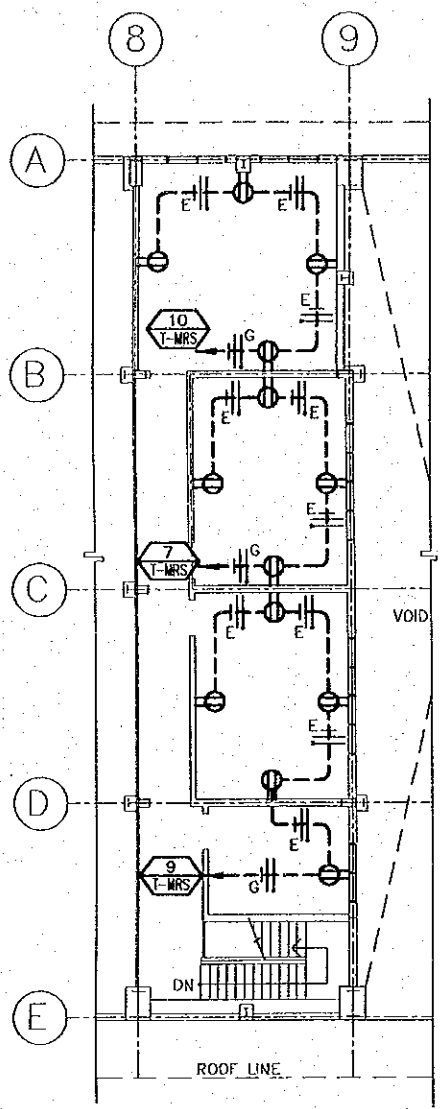
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
CEPA
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

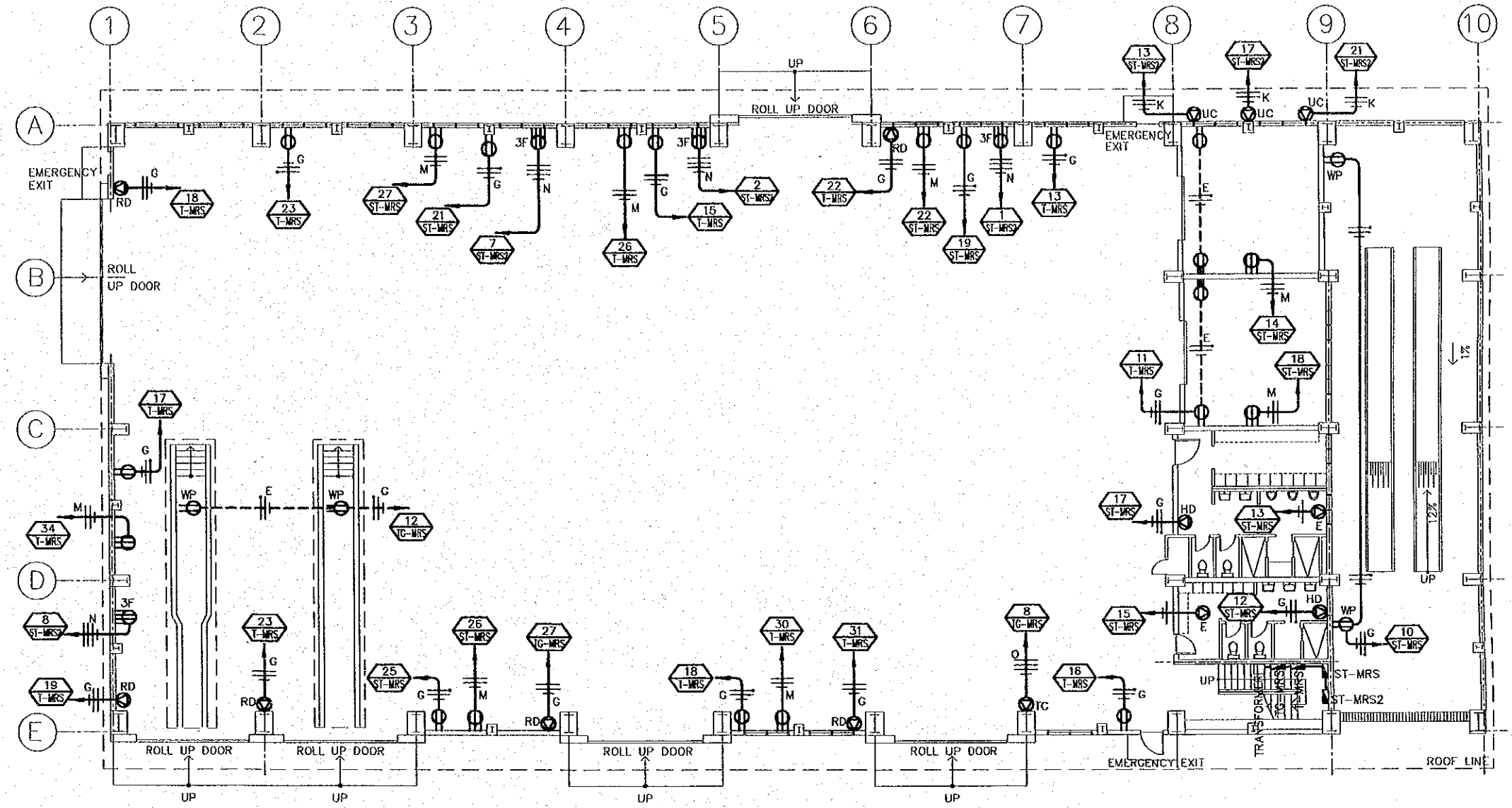
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
NKK
NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :
SECTION : BUILDING WORK
SUB-SECTION : MAINTENANCE AND REPAIR SHOP
TITLE : LIGHTING 1st & MEZZANINE FLOOR PLANS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO : BD-03-036



MEZZANINE FLOOR PLAN
SCALE 1:200



FIRST FLOOR PLAN
SCALE 1:200

WIRING SYMBOLOGY		WIRING SYMBOLOGY	
SYMBOL	WIRING/DUCTING	SYMBOL	WIRING/DUCTING
D	7 - 3.3 mm ² ∅ 19mm	M	2 - 13.3 mm ² ∅ 25mm
E	2 - 3.3 mm ² ∅ 13mm 1 - 2.1 mm ²	N	1 - 8.4 mm ²
F	2 - 5.3 mm ² ∅ 19mm	N	4 - 13.3 mm ² ∅ 25mm
G	2 - 5.3 mm ² ∅ 19mm 1 - 3.3 mm ²	O	4 - 85 mm ² ∅ 51mm
K	2 - 8.4 mm ² ∅ 19mm 1 - 5.3 mm ²		

LEGEND			
	PANELBOARD.		WIRING CONCEALED IN WALL OR ROOF.
	CIRCUIT NUMBER # FROM PANELBOARD		WIRING CONCEALED IN FLOOR.
	NEUTRAL, PHASE, GROUNDING.		DUPLEX RECEPTACLE 120V. WP WEATHER PROOF, h=-400mm
	208V. 1-PHASE OULET H=1200mm.		208V. 3-PHASE OULET H=1200mm.
	CONNECTION FOR TRAVELLING CRANE 208V. 3-PHASE.		CONNECTION FOR ROLL UP DOOR MOTOR 208V. 1-PHASE h=4500.
	CONNECTION FOR AIR CONDITIONING UC CONDENSER UNIT 208V. 1-PHASE.		DUPLEX RECEPTACLE 120V. h=1200mm.
	CONNECTION FOR EXHAUST FAN ON CEILING.		SINGLE OULET FOR HAND DRYER. 120V., 1PHASE h=1200mm.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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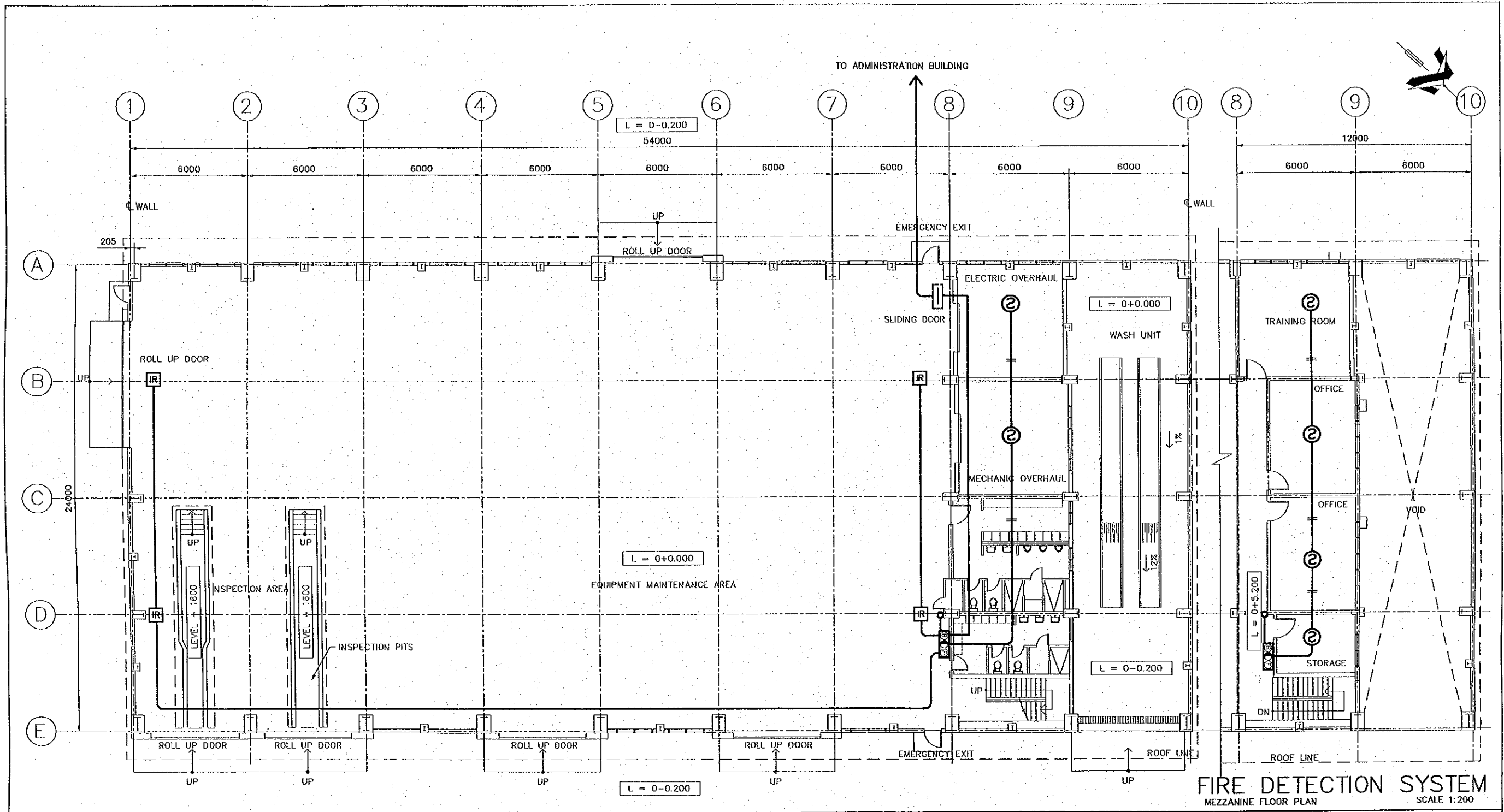
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NK NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : MAINTENANCE AND REPAIR SHOP
TITLE : OULETS 1st & MEZZANINE FLOOR PLANS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO : BD-03-037



FIRE DETECTION SYSTEM
FIRST FLOOR PLAN
SCALE 1:200

FIRE DETECTION SYSTEM
MEZZANINE FLOOR PLAN
SCALE 1:200

SYMBOLS

- S SMOKE/HEAT DETECTOR
- IR INFRARED BEAM DETECTOR
- B C F COMBINATION PANEL
- TERMINAL PANELBOARD
- WIRING TURNED DOWN
- WIRING TURNED UP

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

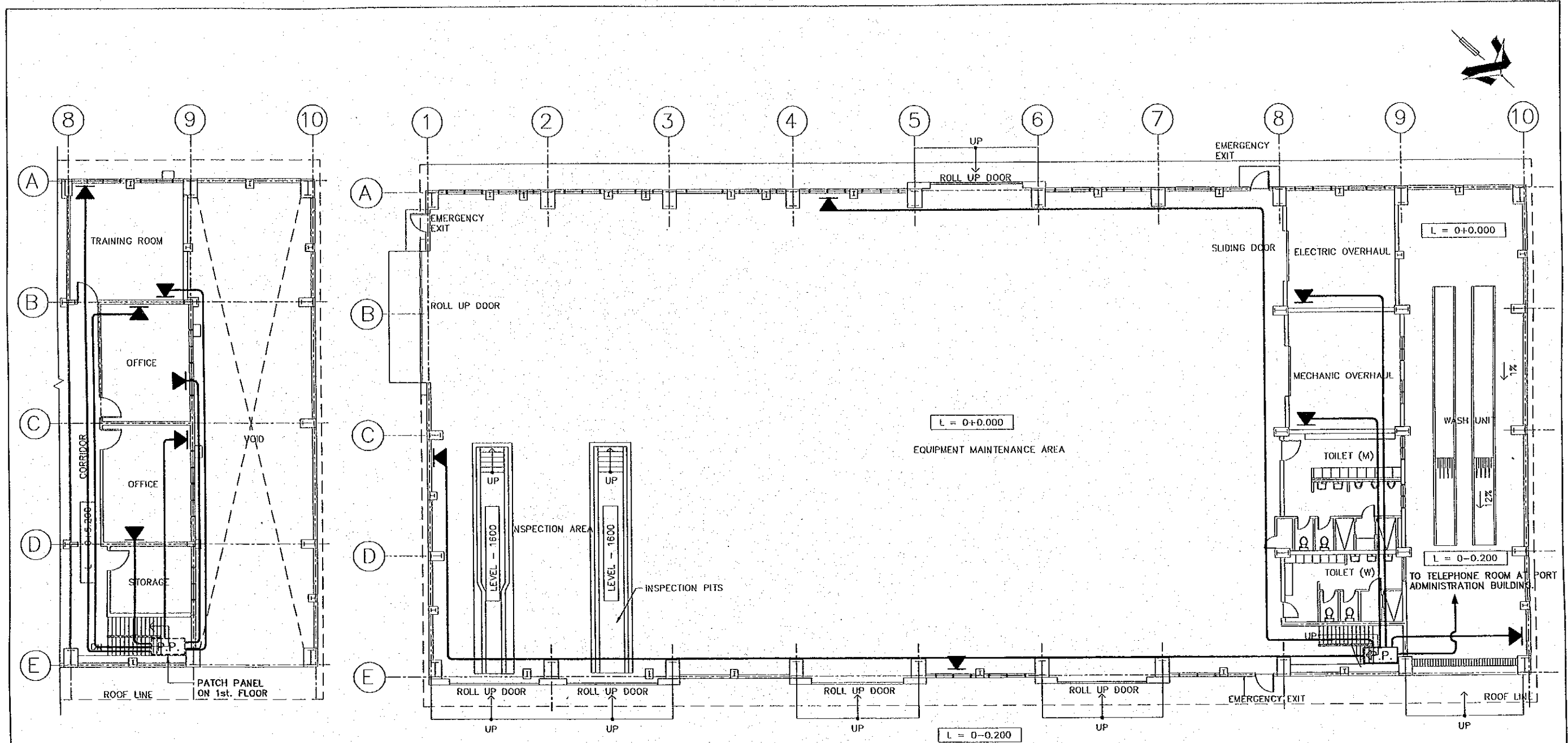
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : **BUILDING WORK**
 SUB-SECTION : **MAINTENANCE AND REPAIR SHOP**
 TITLE : **FIRE DETECTION SYSTEM 1st & MEZZANINE FLOOR PLAN**

DATE : **OCTOBER/2002**
 SCALE : **1 : 200**
 DRAWING NO. : **BD-03-038**

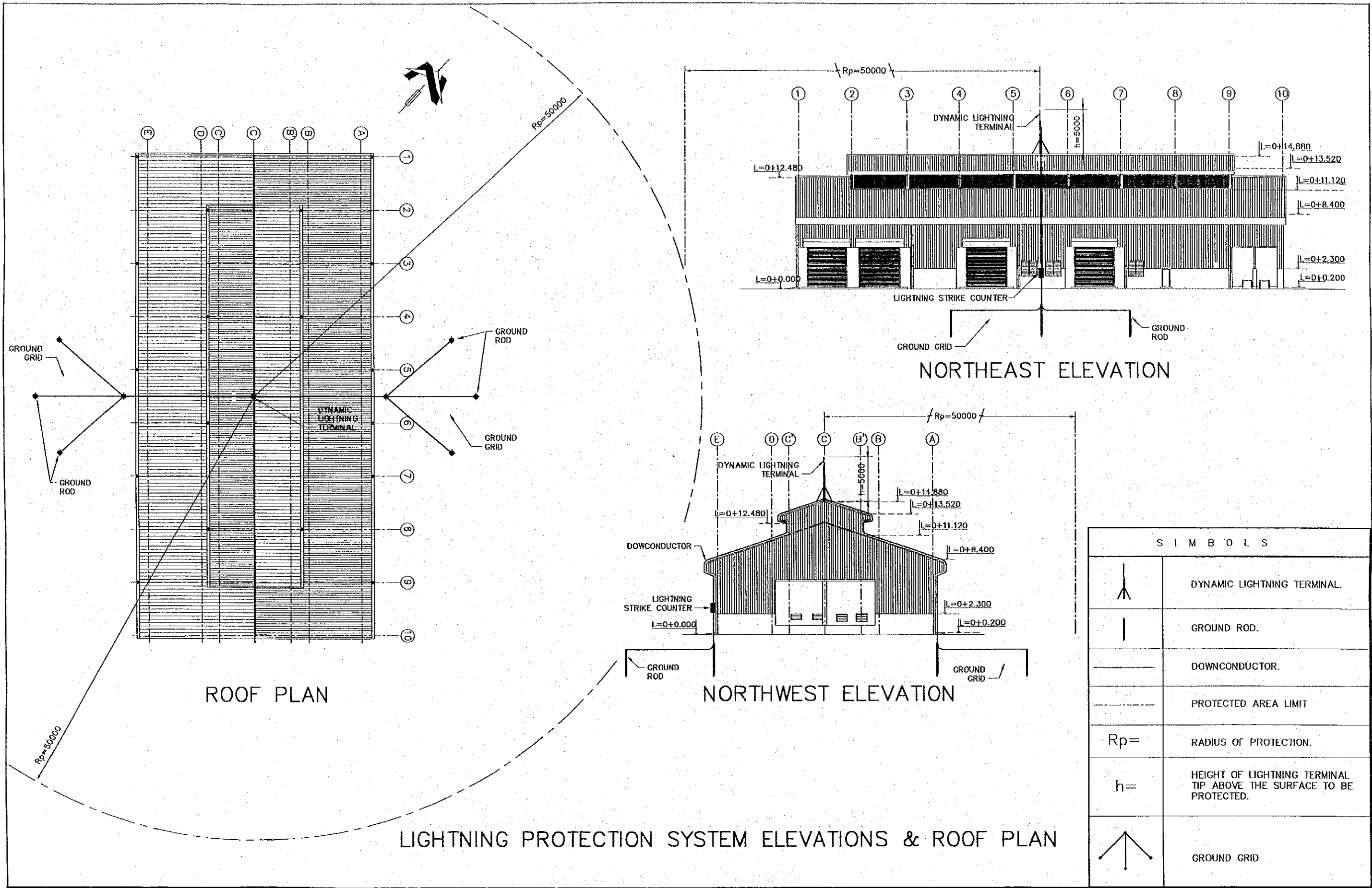


COMMUNICATION SYSTEM
MEZZANINE FLOOR PLAN
SCALE 1:200

COMMUNICATION SYSTEM
FIRST FLOOR PLAN
SCALE 1:200

SYMBOLS	
	WALL-MOUNTED TELECOMMUNICATIONS OUTLET BOX CONNECTOR
	PATCH PANEL
	UTP CAT-5e CABLE

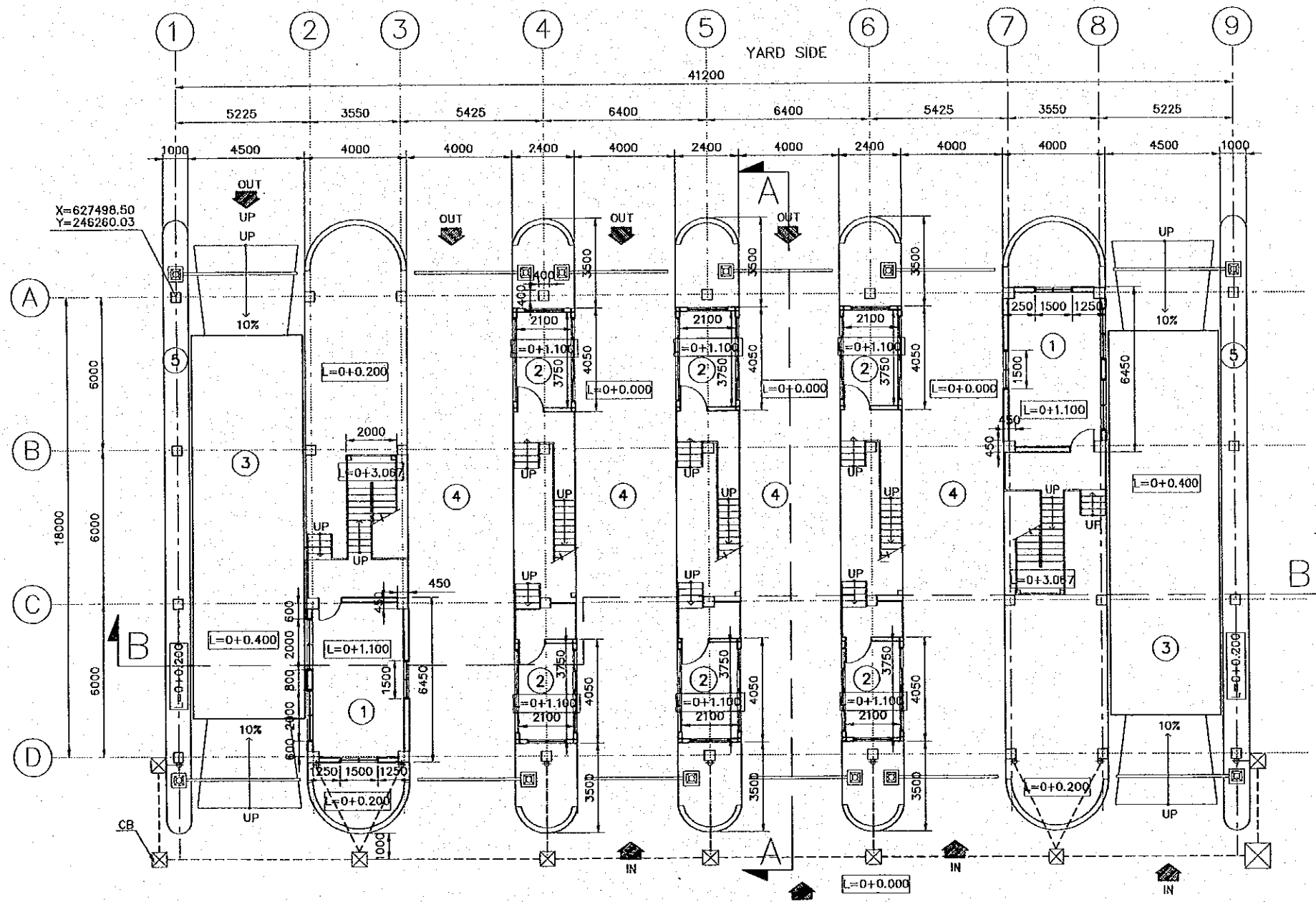
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK SUB-SECTION : MAINTENANCE AND REPAIR SHOP TITLE : COMMUNICATION SYSTEM 1st & MEZZANINE FLOOR PLAN	DATE : OCTOBER/2002
								CHECKED BY :		SCALE : 1 : 200
						APPROVED BY :	DRAWING NO: BD-03-039			



S I M B O L S	
	DYNAMIC LIGHTNING TERMINAL.
	GROUND ROD.
	DOWNCONDUCTOR.
	PROTECTED AREA LIMIT
$R_p =$	RADIUS OF PROTECTION.
$h =$	HEIGHT OF LIGHTNING TERMINAL TIP ABOVE THE SURFACE TO BE PROTECTED.
	GROUND GRID

LIGHTNING PROTECTION SYSTEM ELEVATIONS & ROOF PLAN

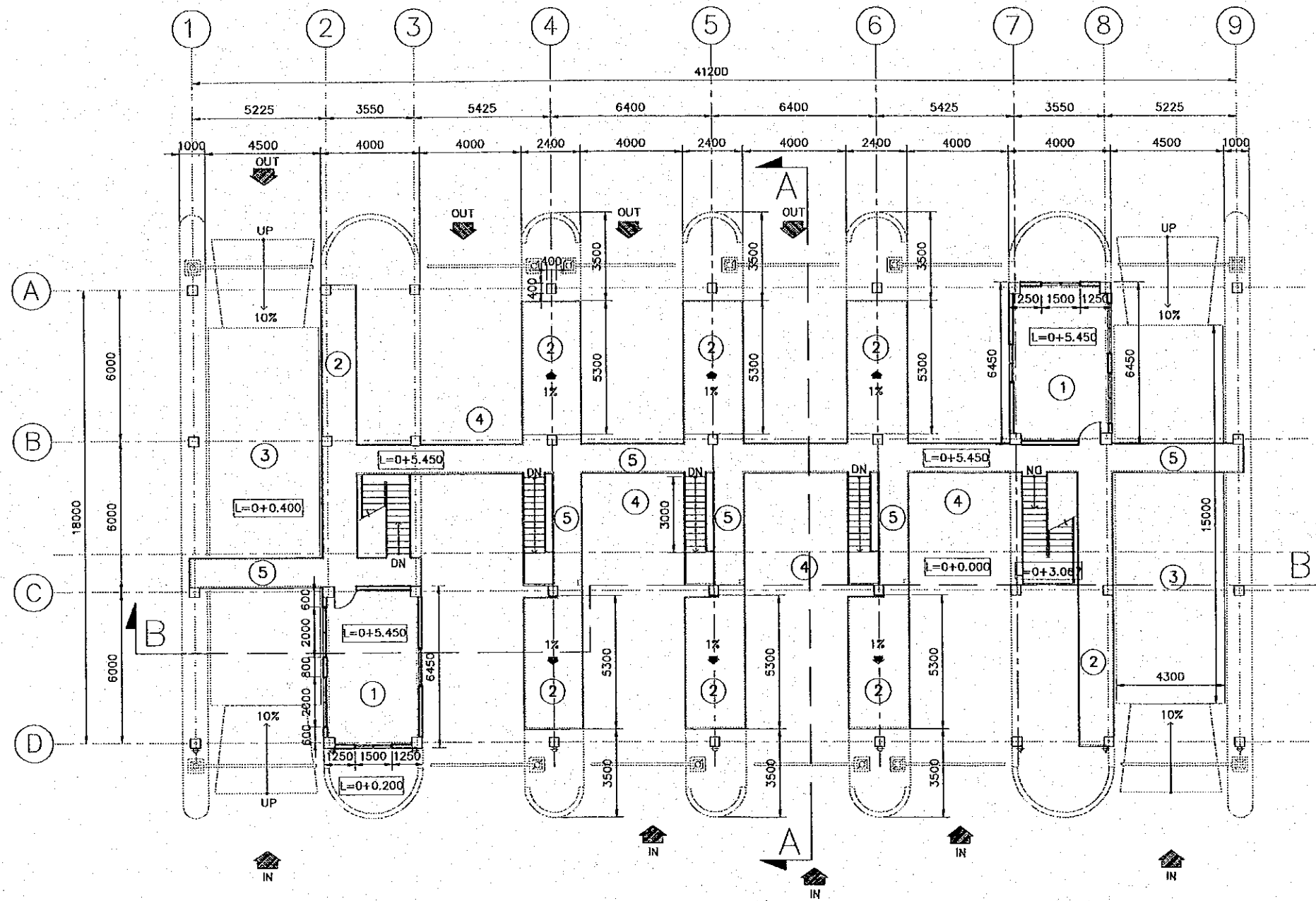
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
											CHECKED BY :
									APPROVED BY :	TITLE :	SCALE :
										LIGHTNING PROTECTION SYSTEM ELEVATIONS & ROOF PLAN	1 : 400
											DRAWING NO. : BD-03-040



OUTSIDE
FIRST FLOOR PLAN
 SCALE 1:200

ABBREVIATIONS	
CB	: CATCH BASIN
LEGEND	
①	WEIGH BRIDGE OFFICE
②	GATE OFFICE
③	WEIGH BRIDGE
④	PAVEMENT
⑤	SIDE WALK (ISLAND)

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	BUILDING WORK CONTAINER GATE FIRST FLOOR PLAN	DATE :	OCTOBER/2002
									CHECKED BY :	SUB-SECTION :		SCALE :	1 : 200
									APPROVED BY :	TITLE :		DRAWING NO. :	BD-04-001



OUTSIDE
SECOND FLOOR PLAN
 SCALE 1:200

ABBREVIATIONS	
CB	: CATCH BASIN
LEGEND	
①	DUTY STAFF ROOM
②	INSPECTION PLATFORM
③	WEIGH BRIDGE
④	PAVEMENT
⑤	BRIDGE WALK
⑥	SIDE WALK

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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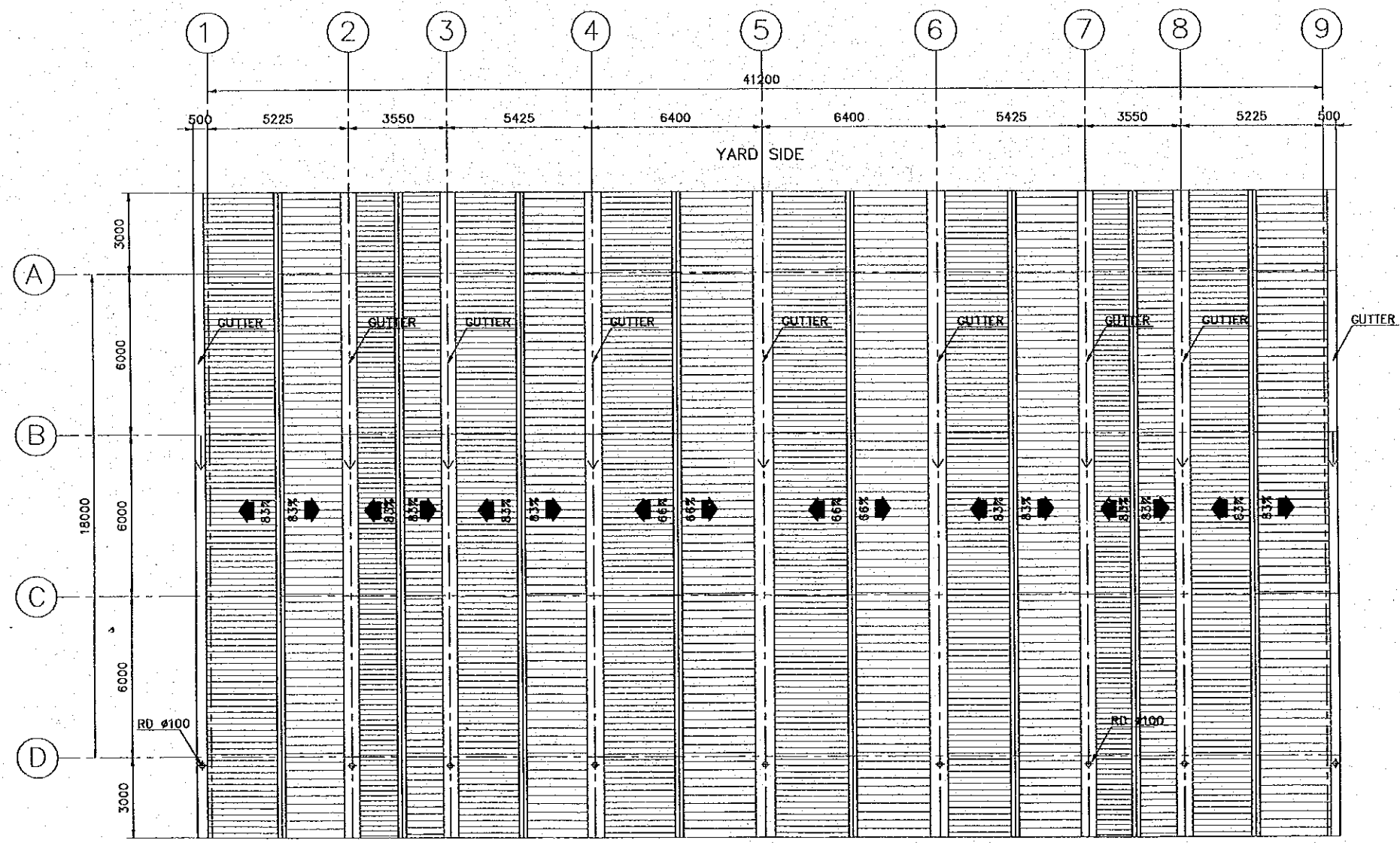
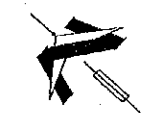
THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR

NK
 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :




SECTION : BUILDING WORK
 SUB-SECTION : CONTAINER GATE
 TITLE : **SECOND FLOOR PLAN**

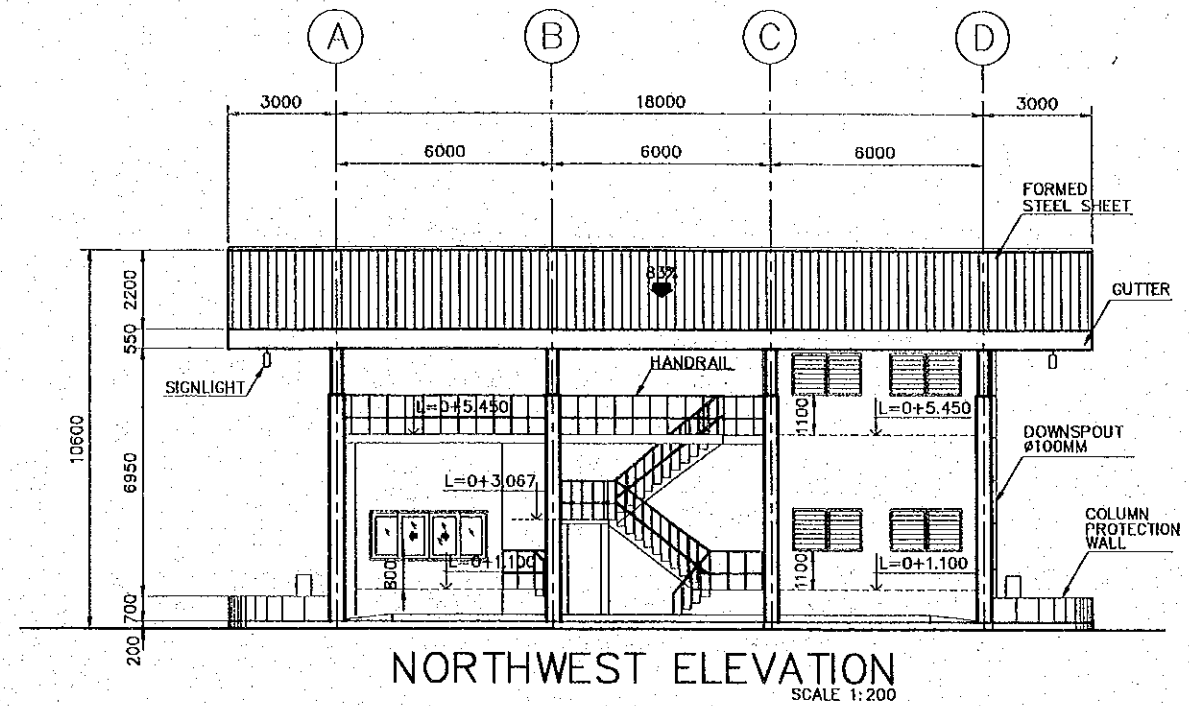
DATE : OCTOBER/2002
 SCALE : 1 : 200
 DRAWING NO. : BD-04-002



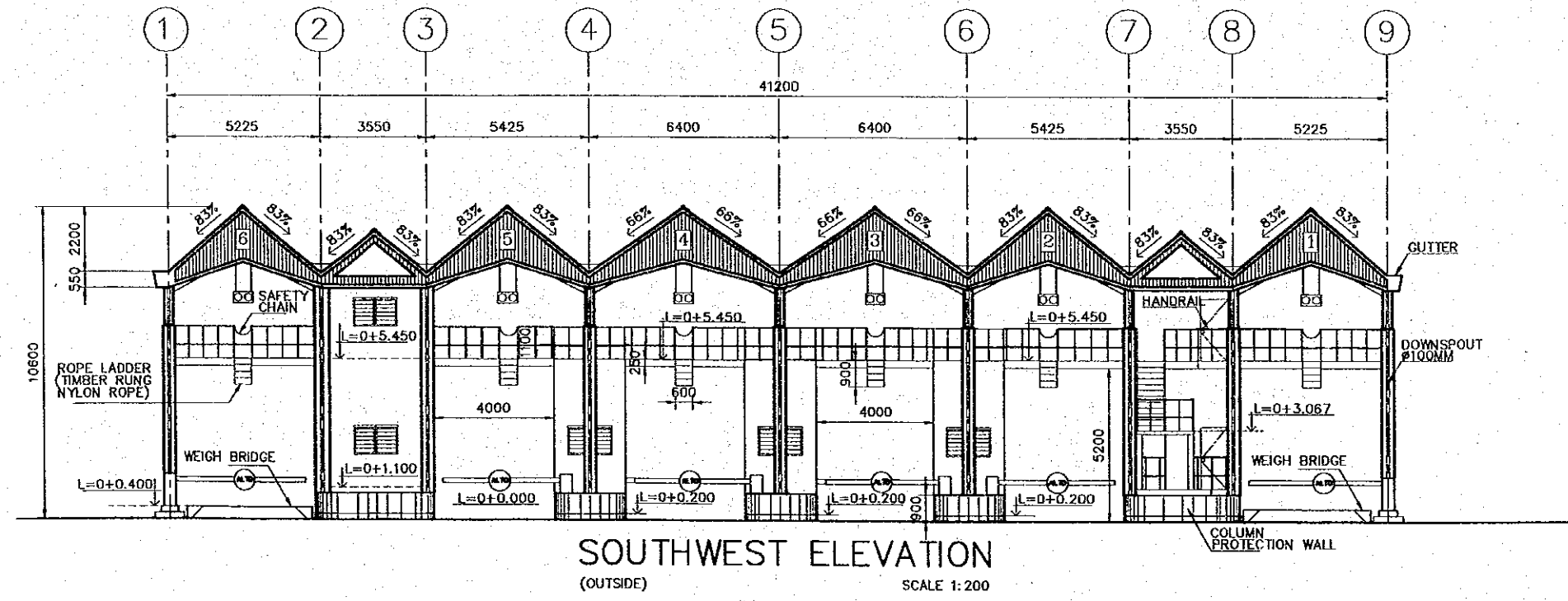
OUTSIDE
ROOF PLAN
 SCALE 1:200

RD : ROOF DRAIN PVC Ø 100 MM

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE: OCTOBER/2002
								CHECKED BY :	SUB-SECTION : CONTAINER GATE	SCALE : 1 : 200
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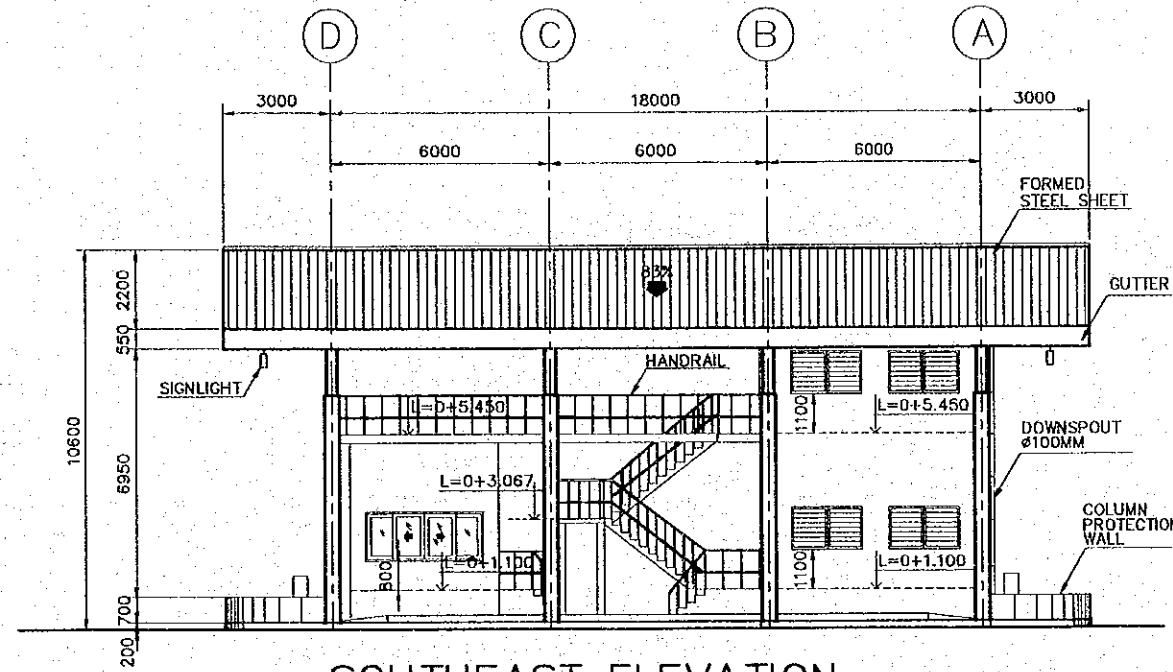


NORTHWEST ELEVATION
SCALE 1:200

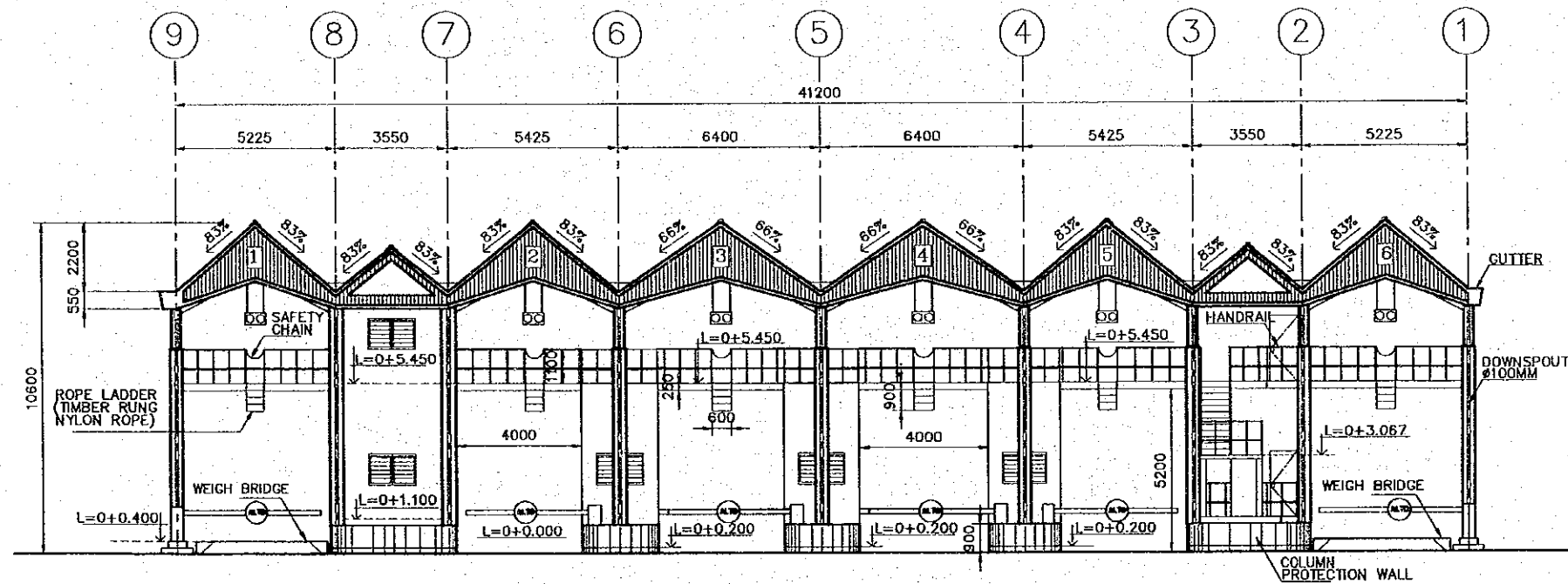


SOUTHWEST ELEVATION
(OUTSIDE)
SCALE 1:200

REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)				NIPPON KOEI CO., LTD.			
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR						DESIGNED BY :		SECTION : BUILDING WORK		DATE : OCTOBER/2002	
						CHECKED BY :		SUB-SECTION : CONTAINER GATE		SCALE : 1 : 200	
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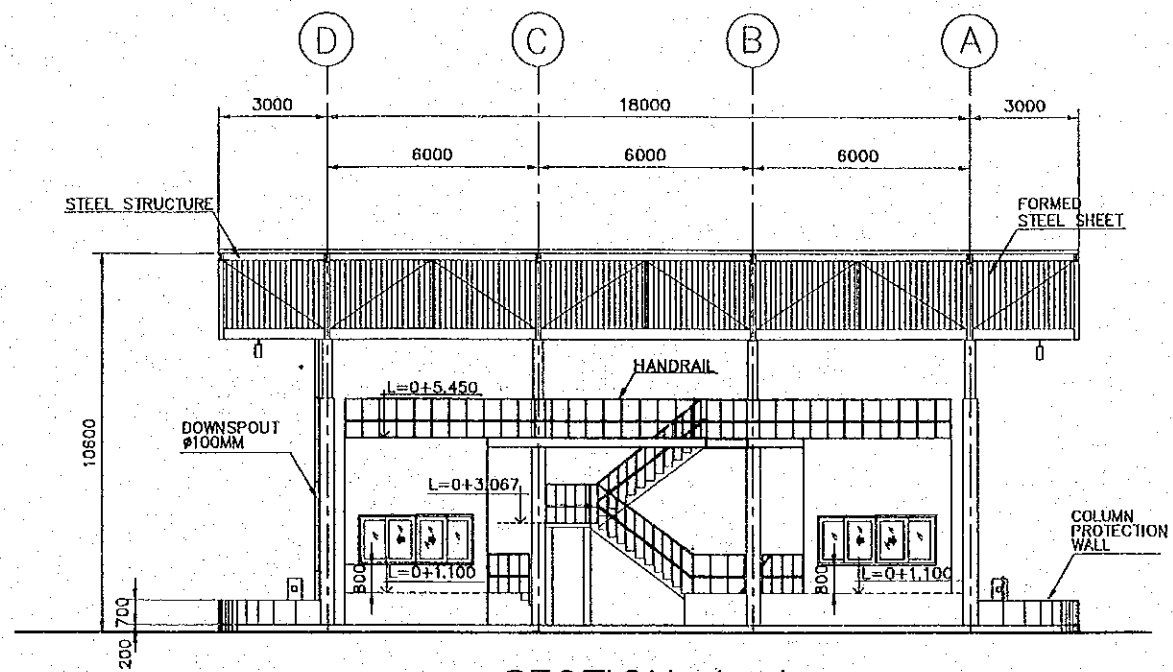


SOUTHEAST ELEVATION
SCALE 1:200

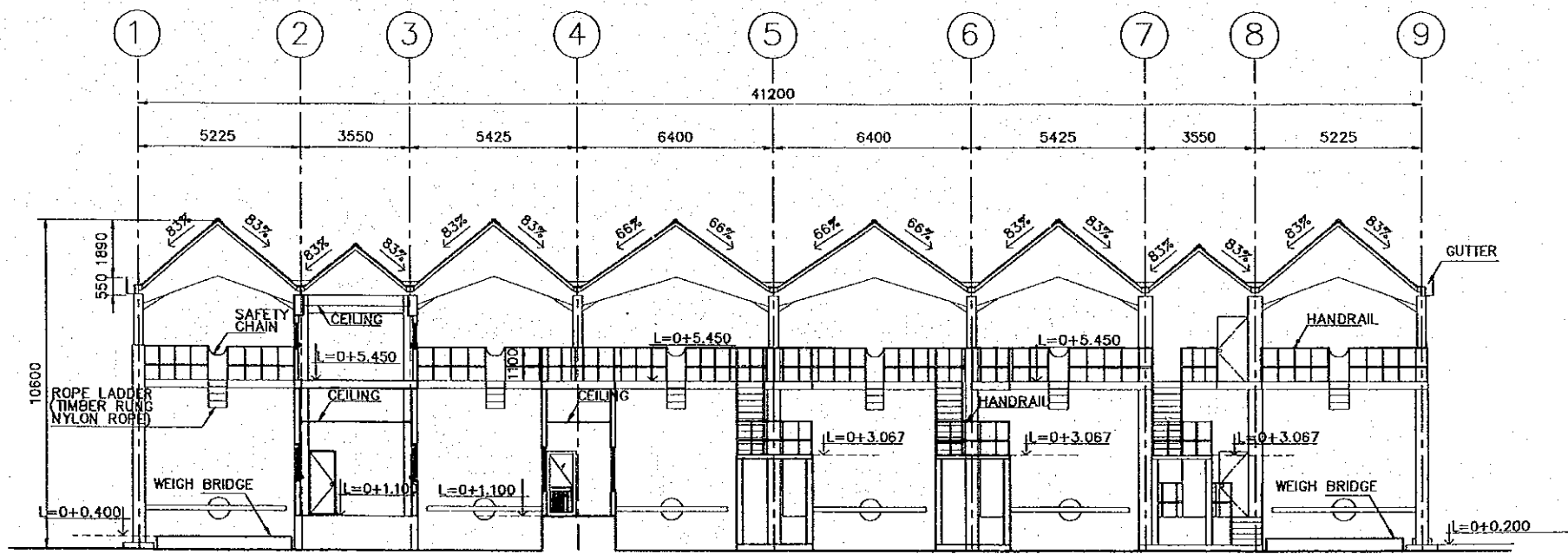


NORTHEAST ELEVATION
(YARD SIDE)
SCALE 1:200

REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
																CHECKED BY :	SUB-SECTION :	SCALE :
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												BUILDING WORK CONTAINER GATE SOUTHEAST & NORTHEAST ELEVATIONS			OCTOBER/2002 1 : 200 BD-04-005			






SECTION A-A
SCALE 1:200



SECTION B-B
SCALE 1:200

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

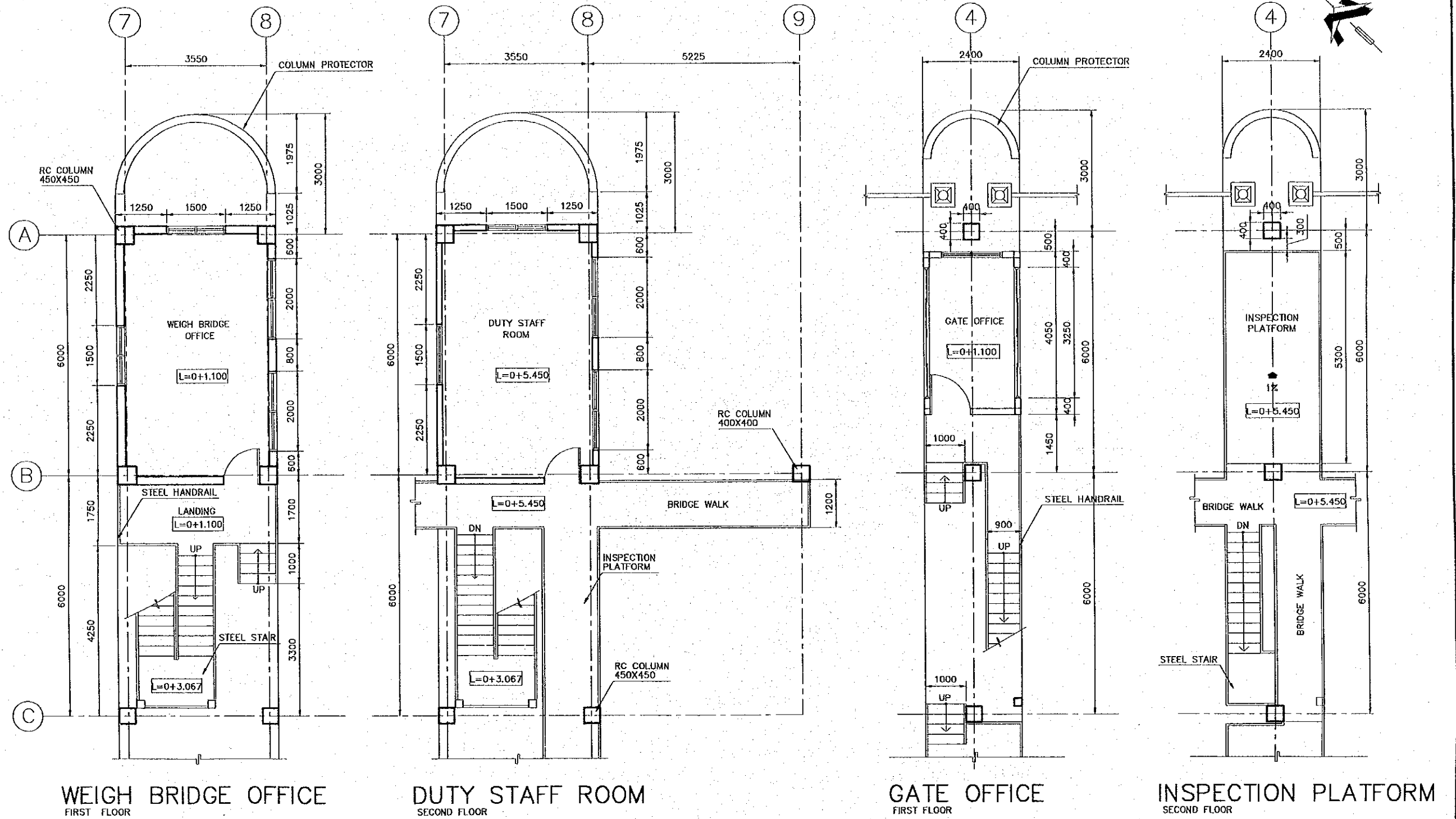
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : CONTAINER GATE
 TITLE : SECTION A-A & B-B

DATE : OCTOBER/2002
 SCALE : 1 : 200
 DRAWING NO. : BD-04-006



DETAILED PLAN OF OFFICES
SCALE 1:100

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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PORTUARIA AUTONOMA
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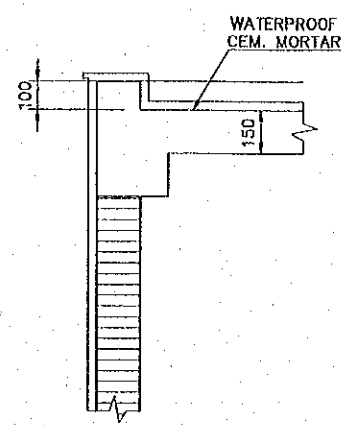
THE DETAILED DESIGN
ON PORT REACTIVATION PROJECT
IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NK NIPPON KOEI CO., LTD.

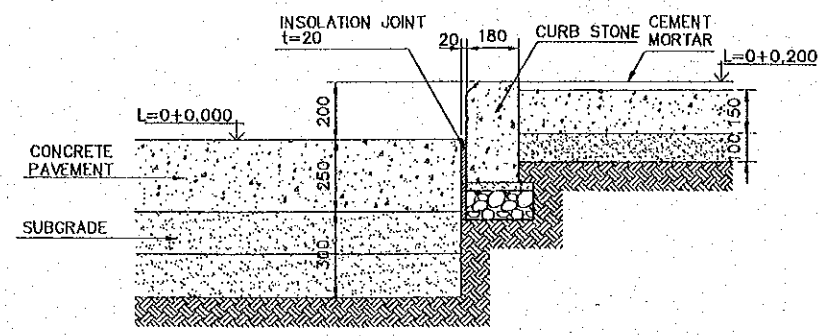
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : CONTAINER GATE
TITLE : DETAILED PLAN OF OFFICES

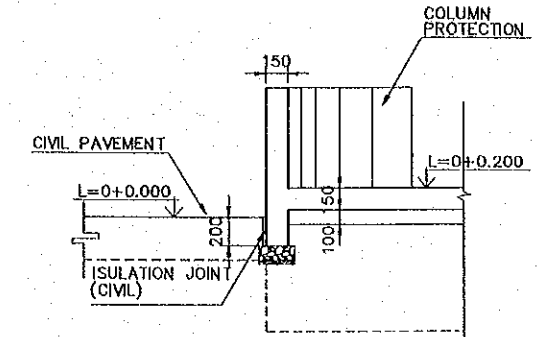
DATE : OCTOBER/2002
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DRAWING NO : 8D-04-007



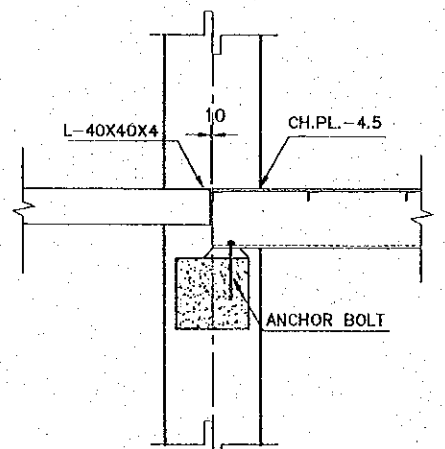
DETAIL A
SCALE 1:25



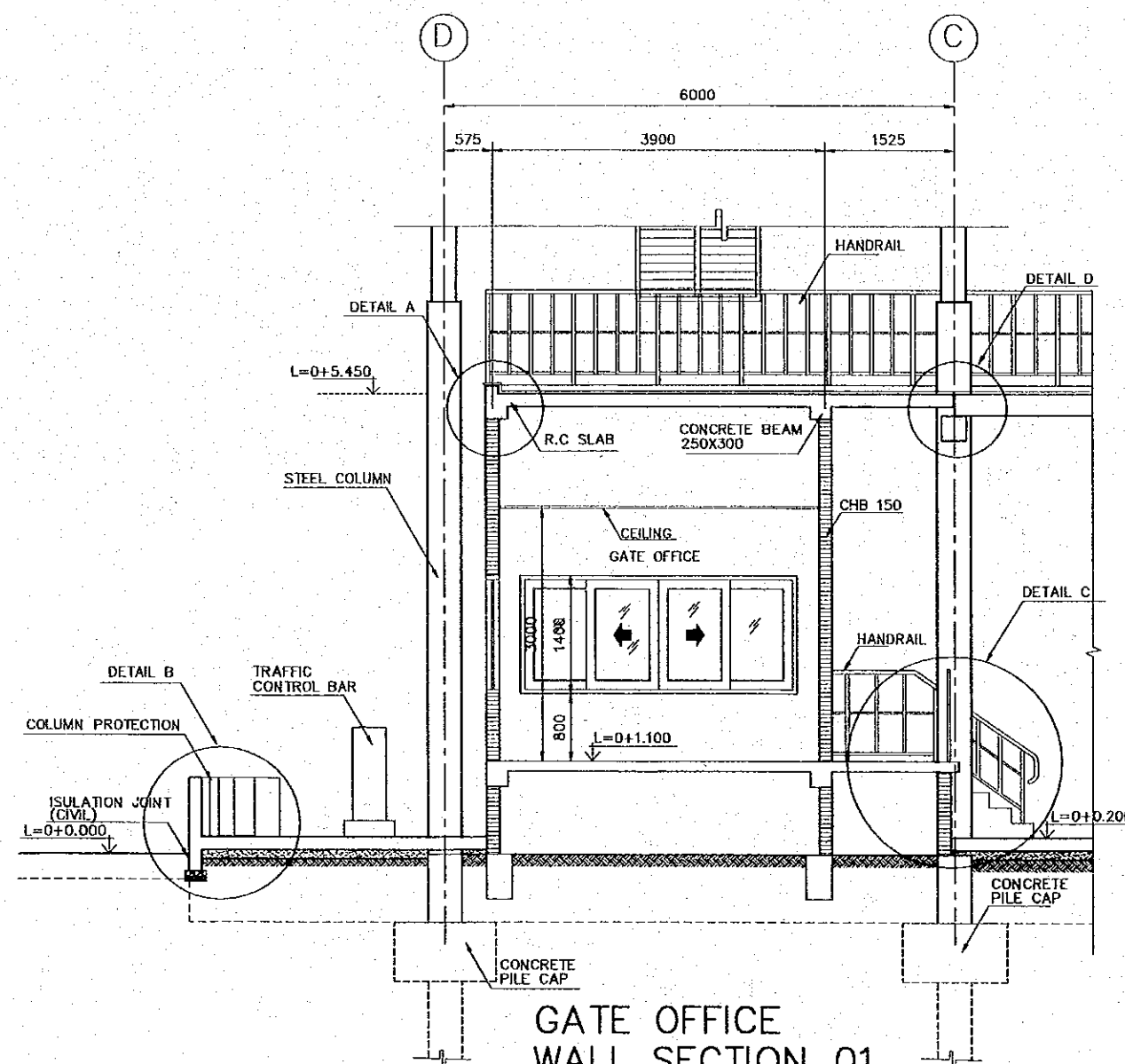
ISLAND SECTION
SCALE 1:25



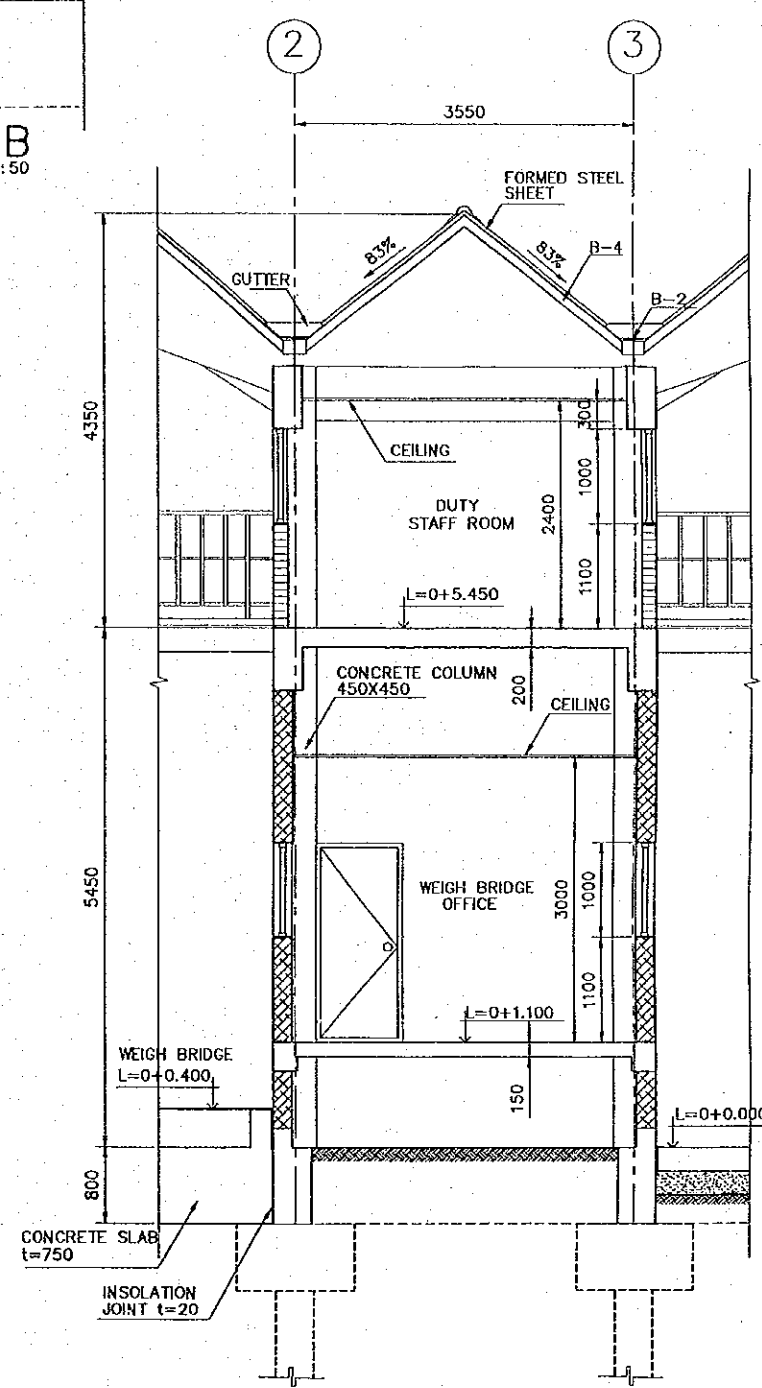
DETAIL B
SCALE 1:50



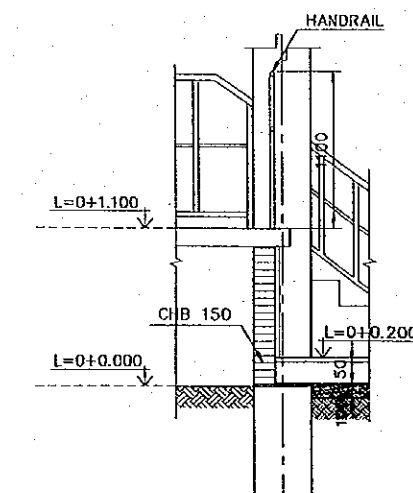
DETAIL D
SCALE 1:30



GATE OFFICE
WALL SECTION 01
SCALE 1:75



WEIGH BRIDGE OFFICE
WALL SECTION 02
SCALE 1:75




DETAIL C
SCALE 1:50

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

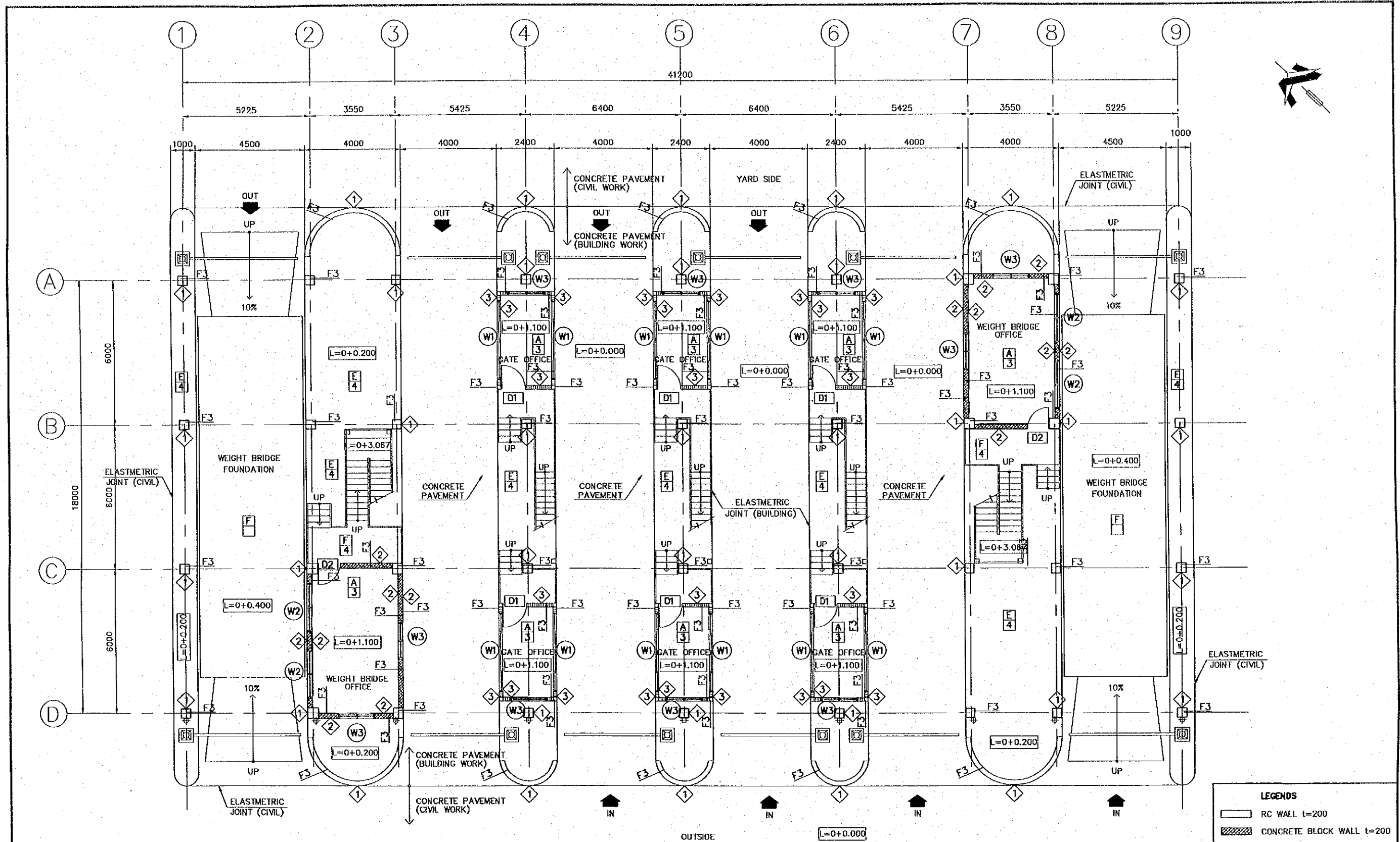
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : CONTAINER GATE
 TITLE : ARCHITECTURAL DETAIL
 SECTION-01

DATE : OCTOBER/2002
 SCALE : AS SHOWN
 DRAWING NO : BD-04-008



FINISH PLAN: FIRST FLOOR
SCALE 1:150

LEGENDS	
	RC WALL t=200
	CONCRETE BLOCK WALL t=200
	CONCRETE BLOCK WALL t=150
	CONCRETE BLOCK WALL t=100
	LIGHT GAGE PARTITION

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

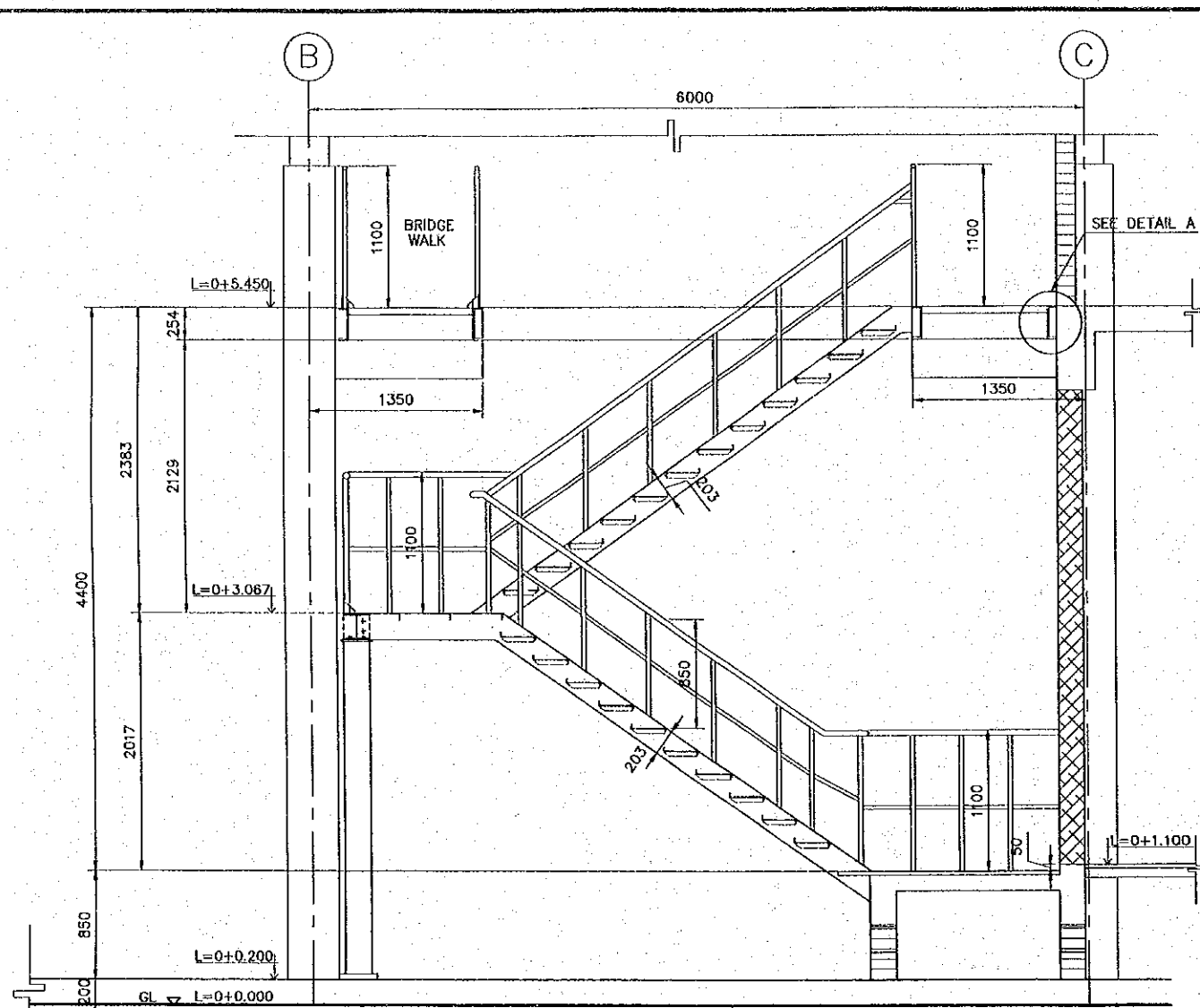
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

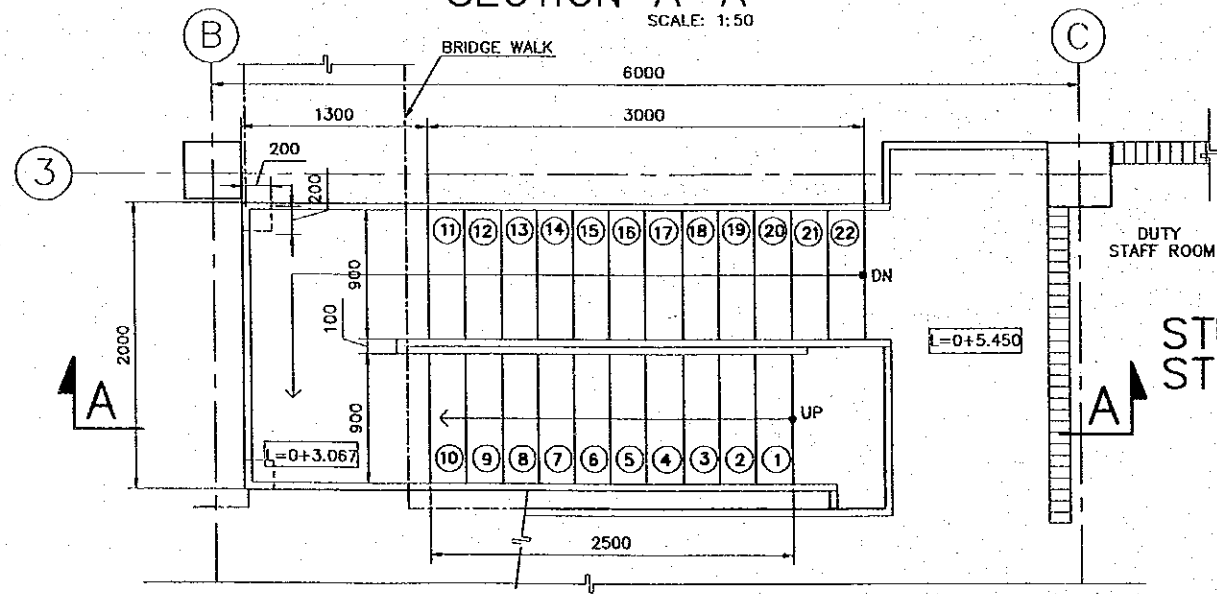
DESIGNED BY: _____
 CHECKED BY: _____
 APPROVED BY: _____

SECTION : **BUILDING WORK**
 SUB-SECTION : **CONTAINER GATE**
 TITLE : **FINISH PLAN: FIRST FLOOR**

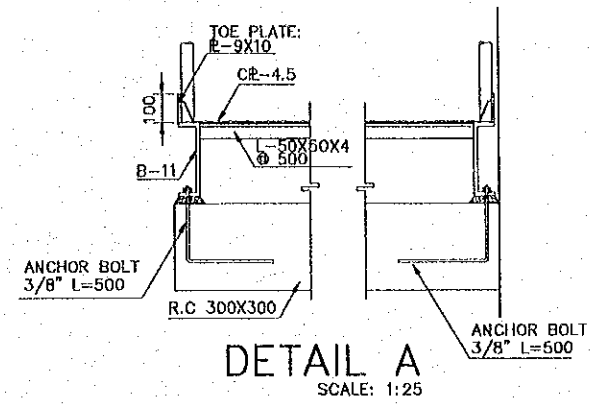
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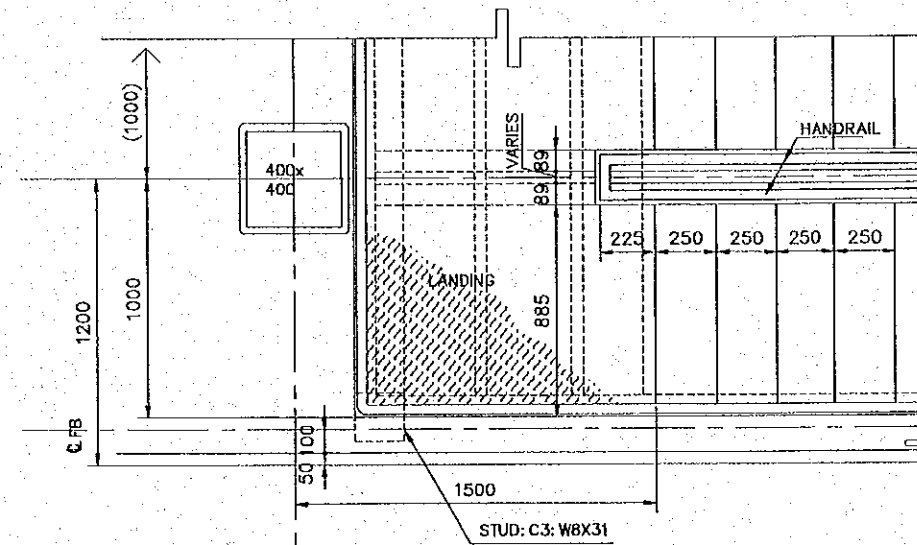
SECTION A-A
SCALE: 1:50



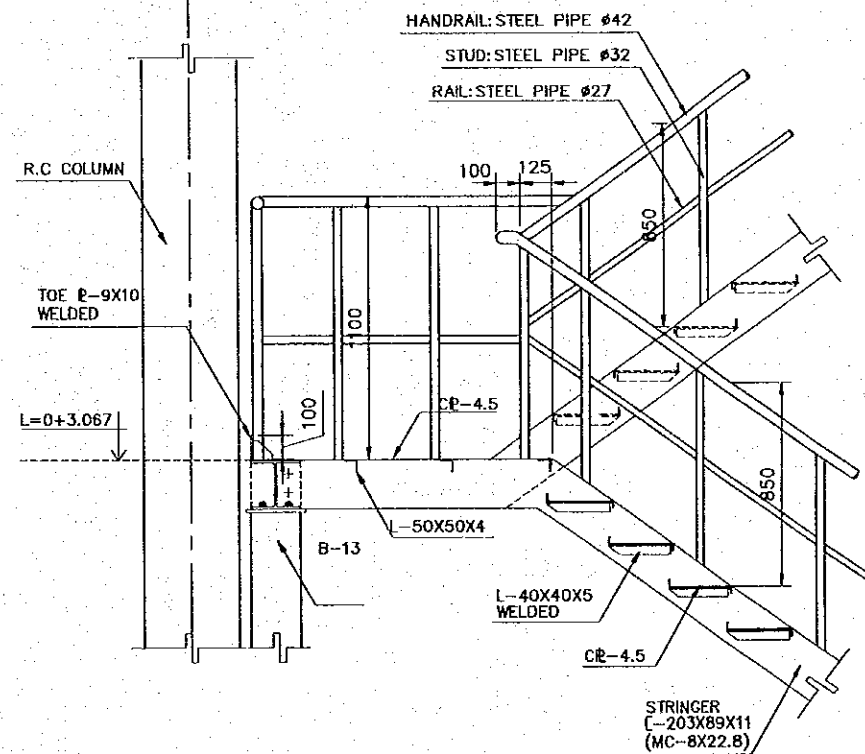
STEEL STAIR PLAN
SCALE: 1:50



DETAIL A
SCALE: 1:25



TYPICAL PLAN
SCALE: 1:30



SECTION
SCALE: 1:30

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

Cepa
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

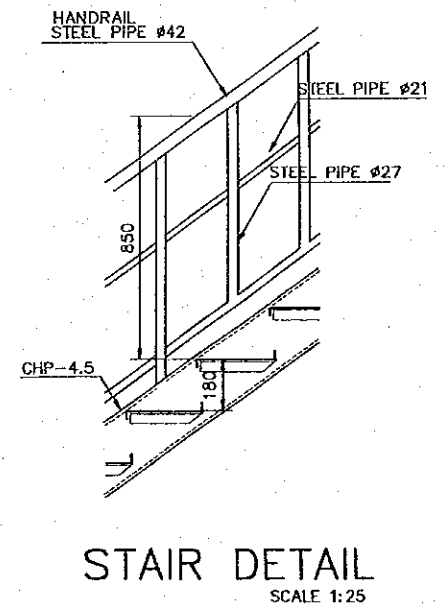
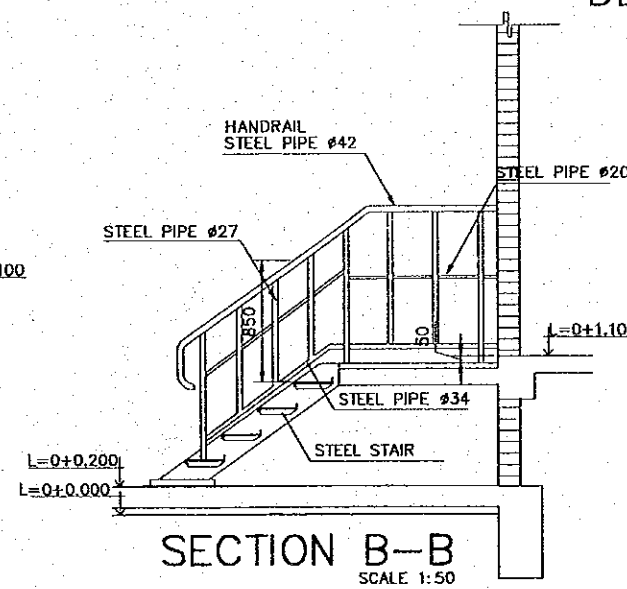
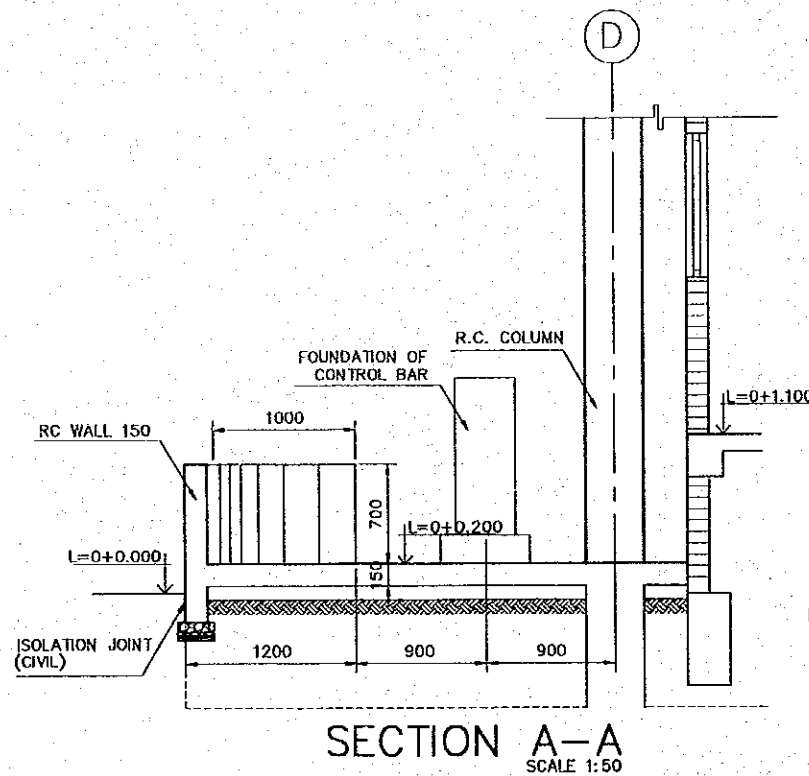
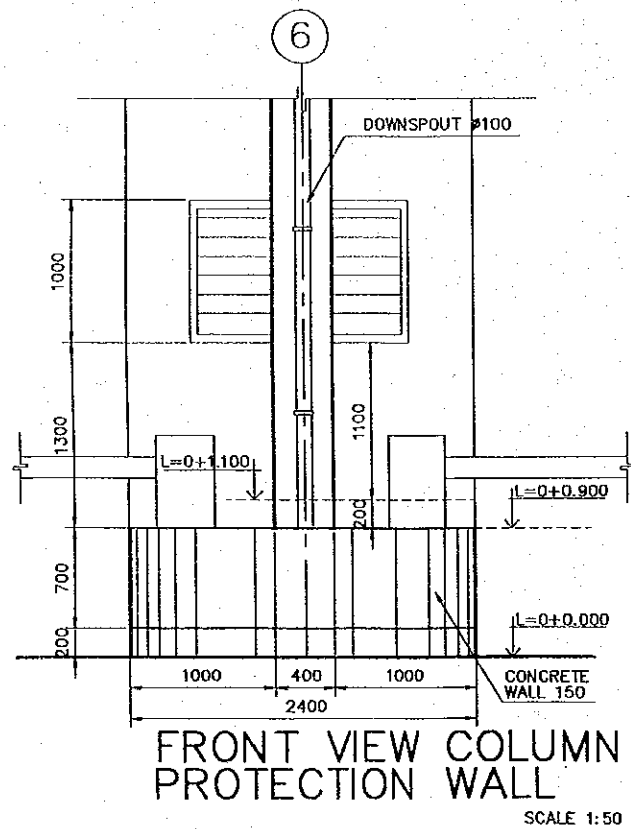
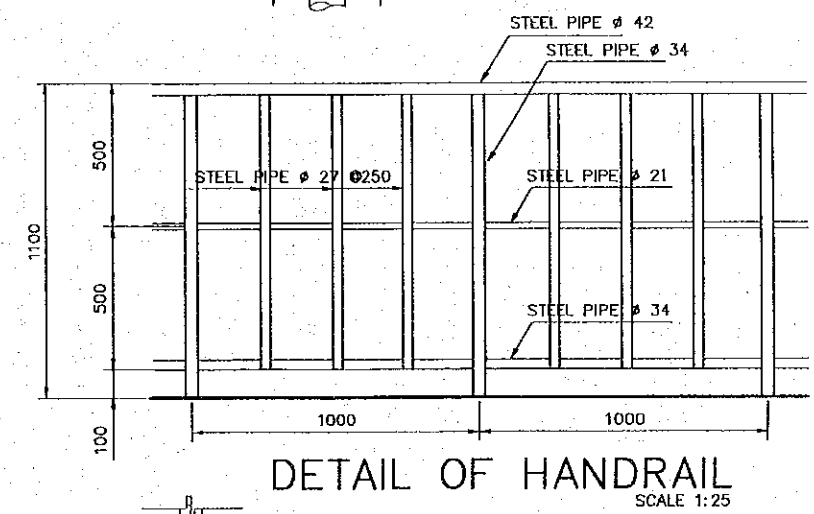
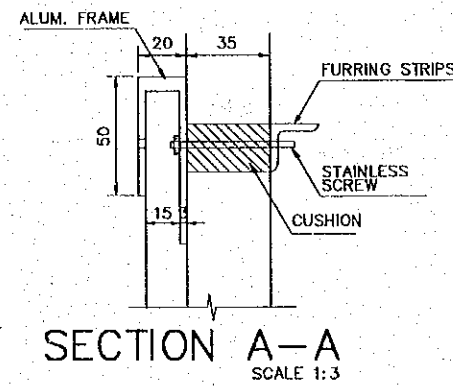
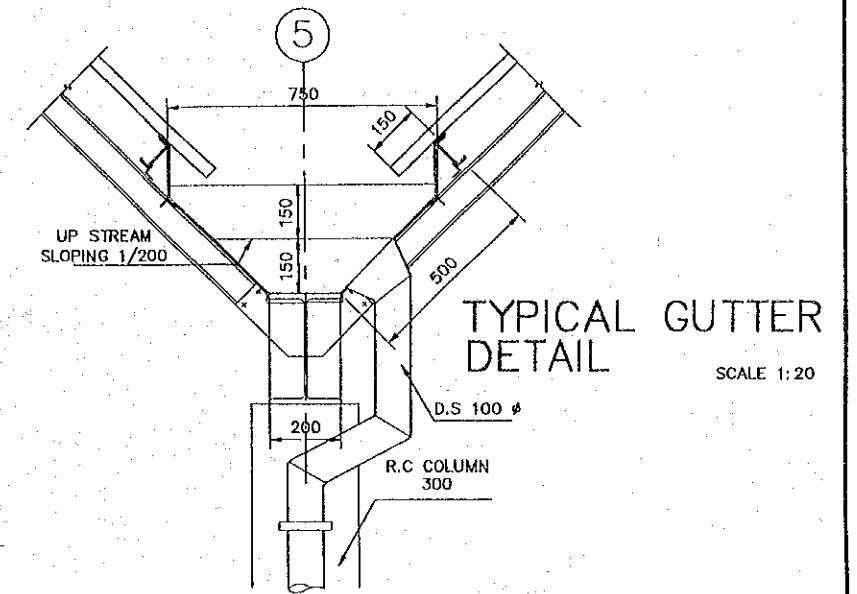
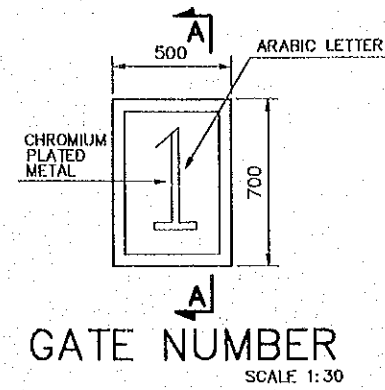
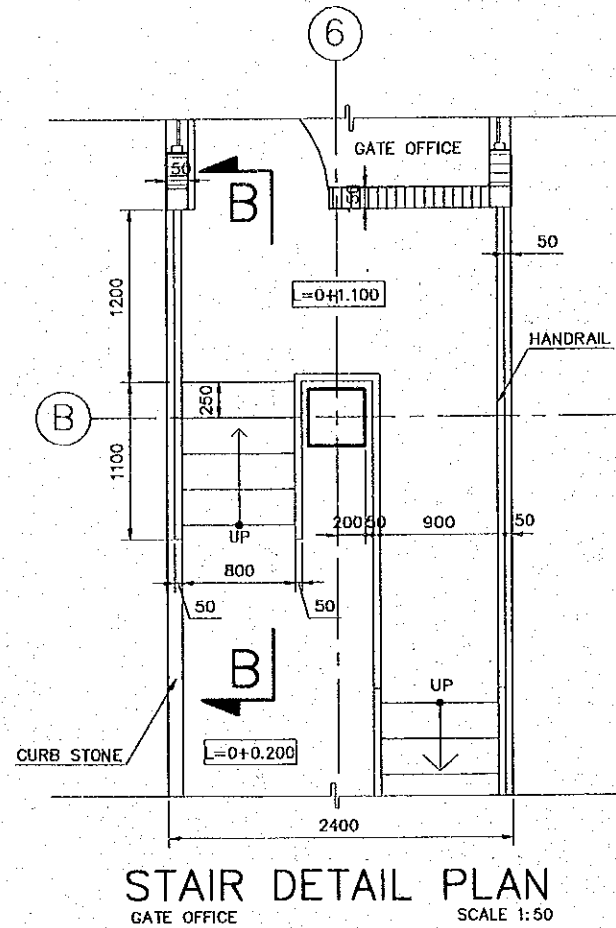
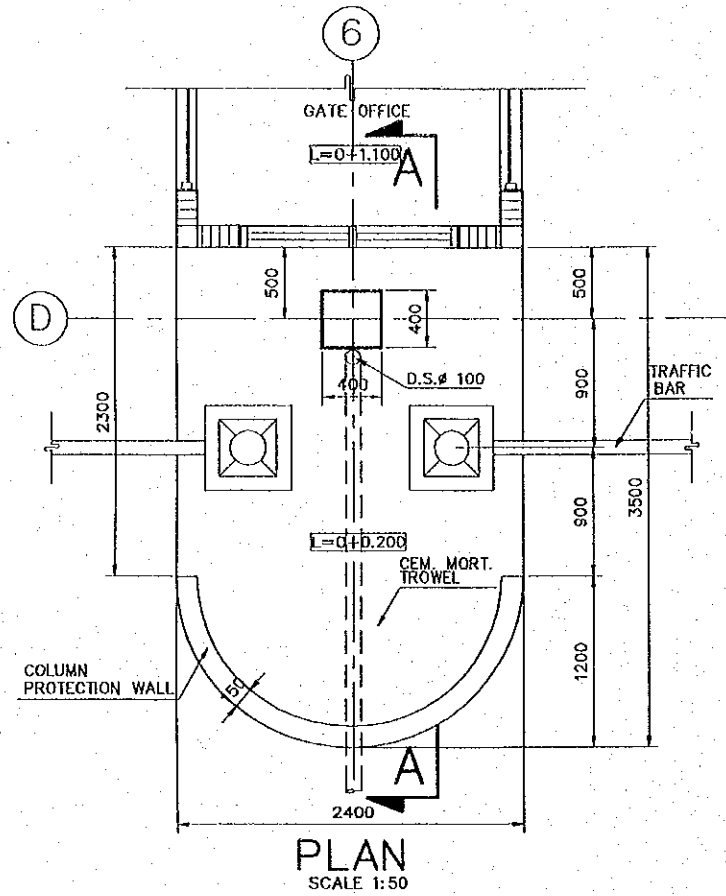
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NK NIPPON KOEI CO., LTD.



DESIGNED BY :
CHECKED BY :
APPROVED BY :


SECTION : BUILDING WORK
SUB-SECTION : CONTAINER GATE
TITLE : STEEL STAIR DETAIL

DATE : OCTOBER/2002
SCALE : 1:25, 1:50, 1:30
DRAWING NO. : BD-04-013



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : CONTAINER GATE
 TITLE : MISCELANEOUS DETAIL

DATE : OCTOBER/2002
 SCALE : AS SHOWN
 DRAWING NO. : BD-04-014