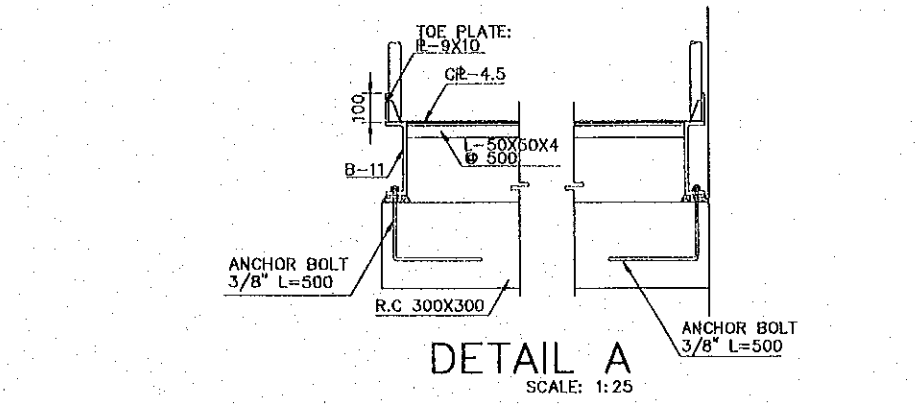
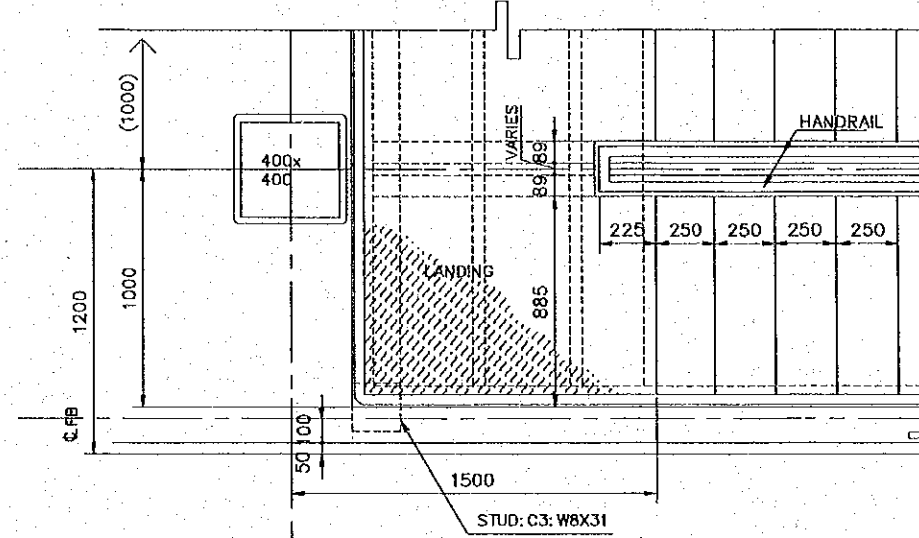


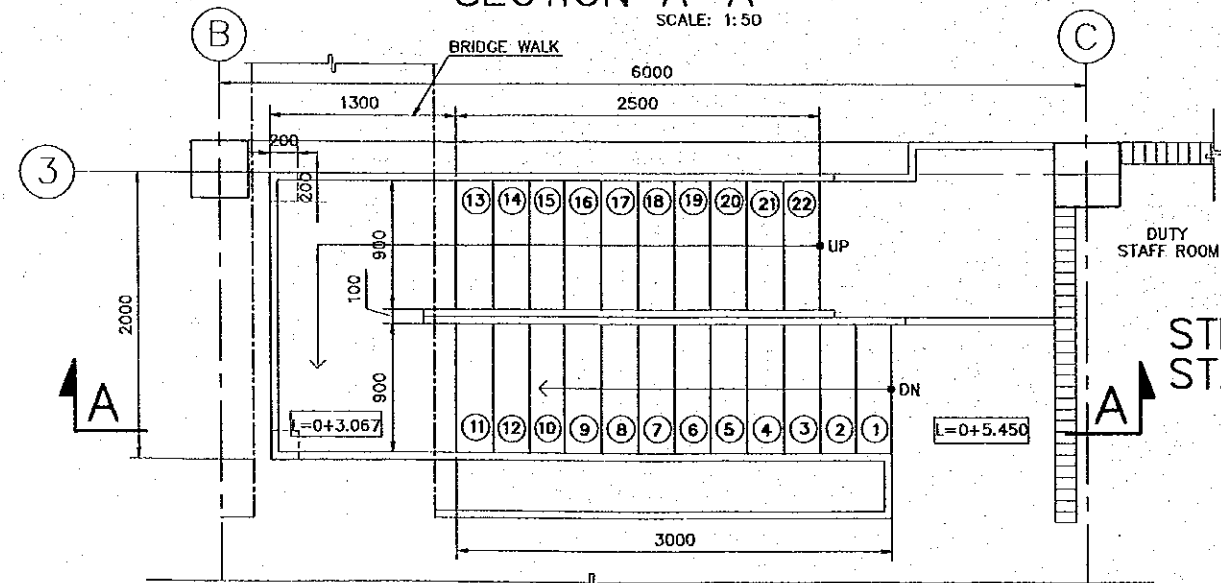
SECTION A-A
SCALE: 1:50



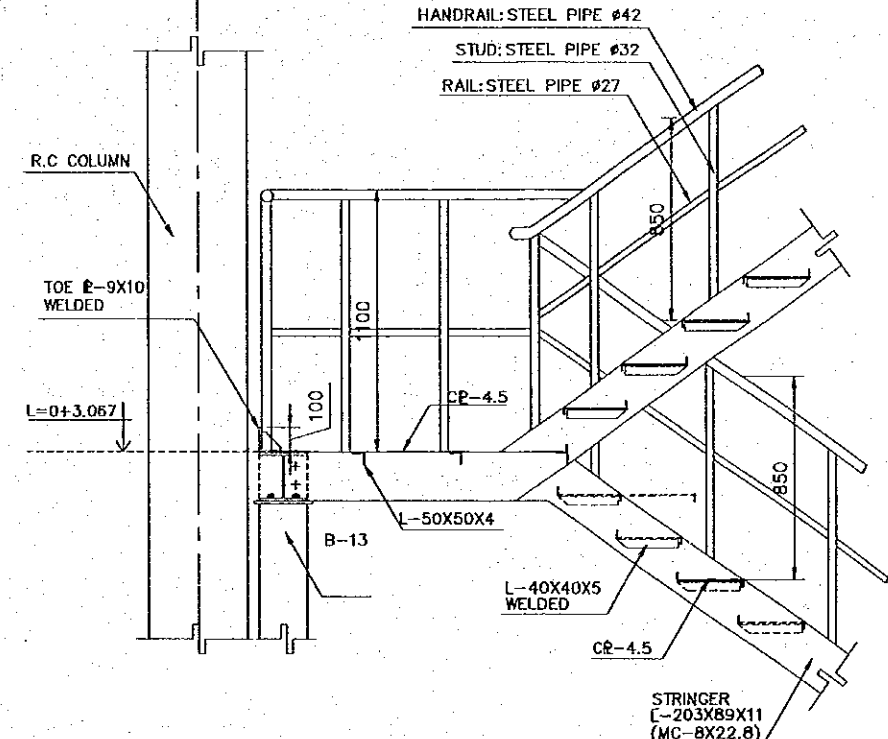
DETAIL A
SCALE: 1:25



TYPICAL PLAN
SCALE: 1:30



STEEL STAIR PLAN
SCALE: 1:50



SECTION
SCALE: 1:30

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

Cepa
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

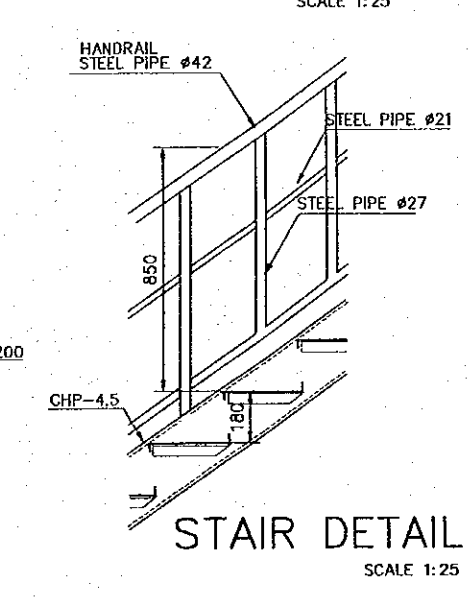
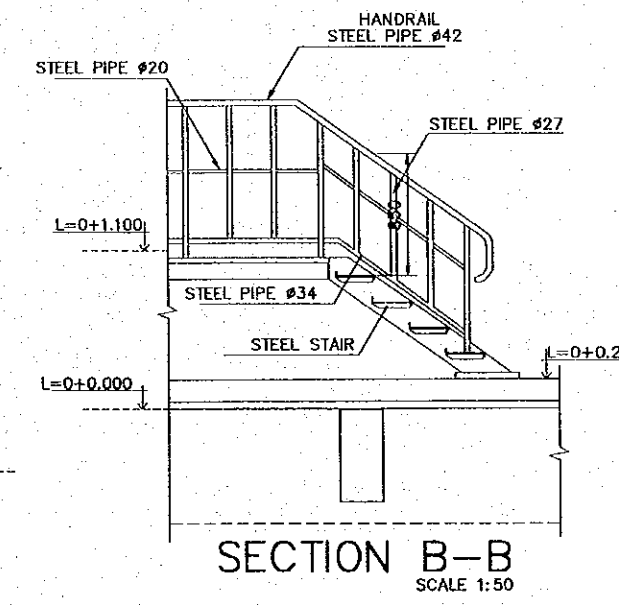
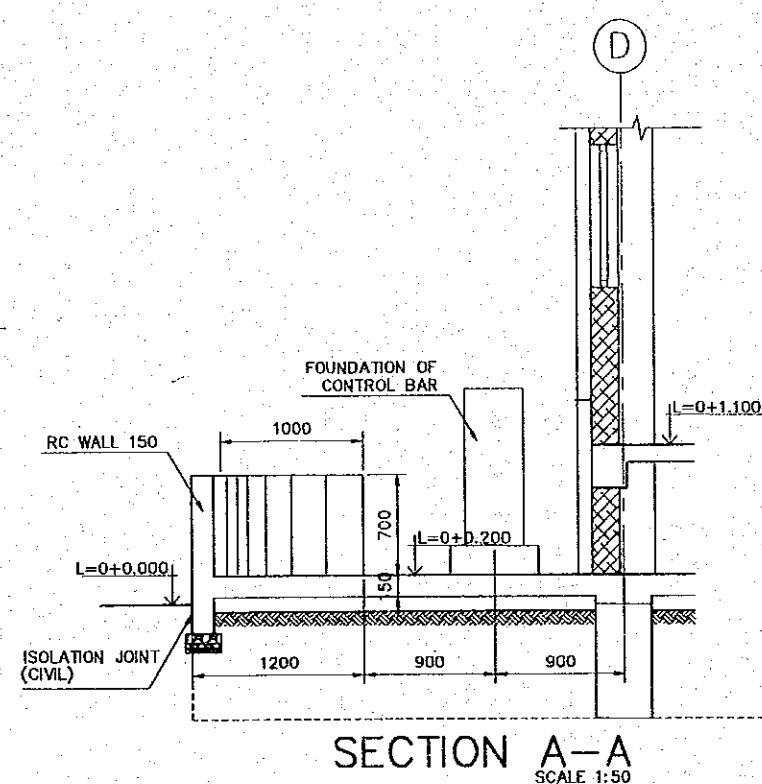
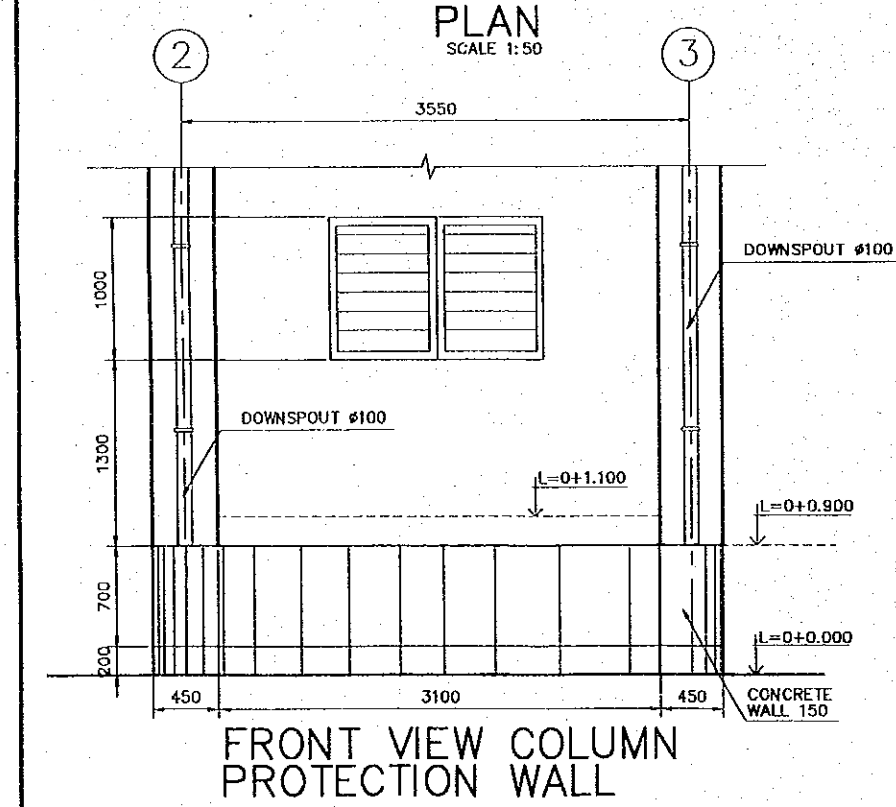
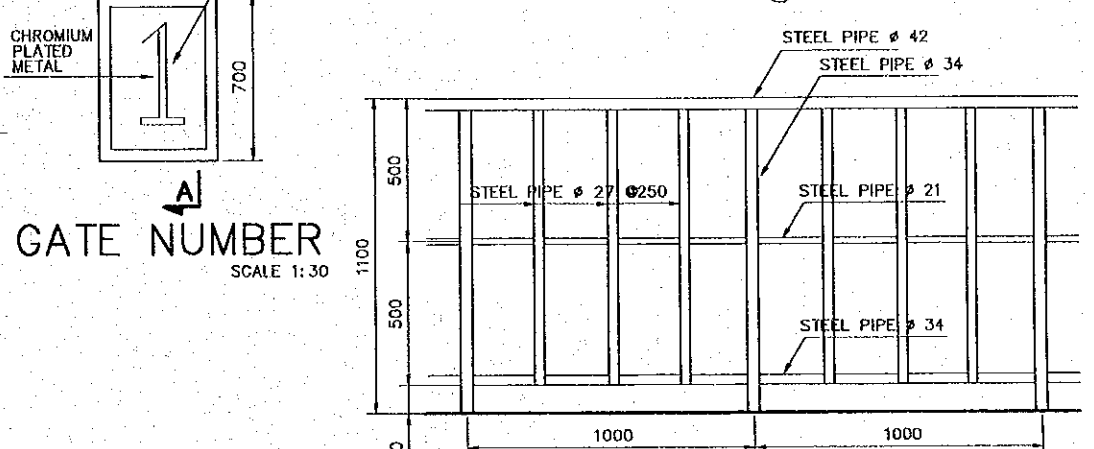
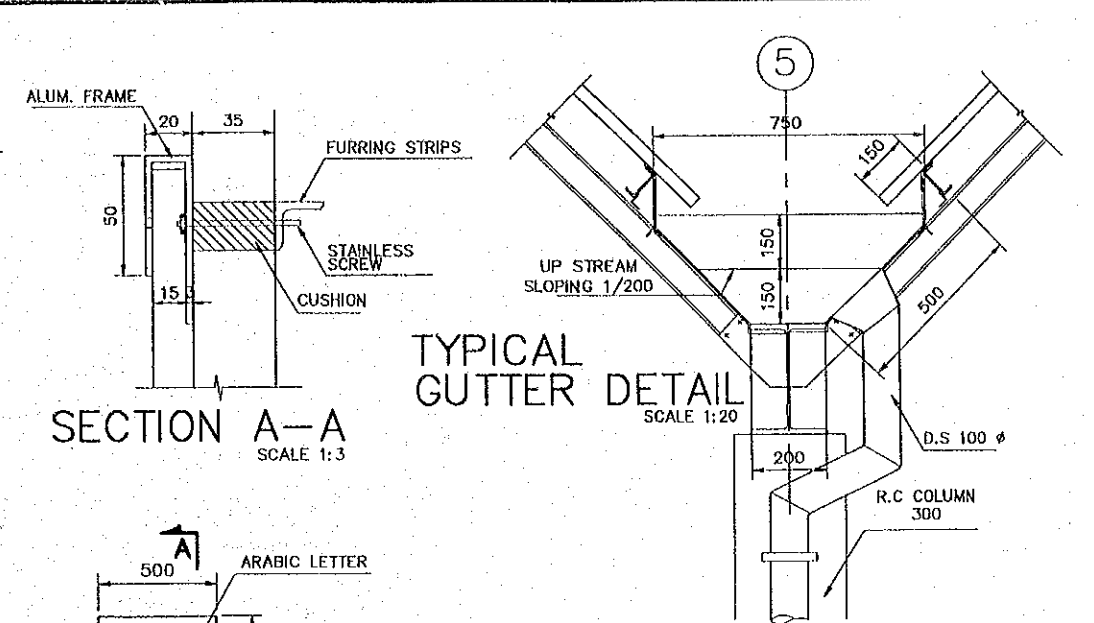
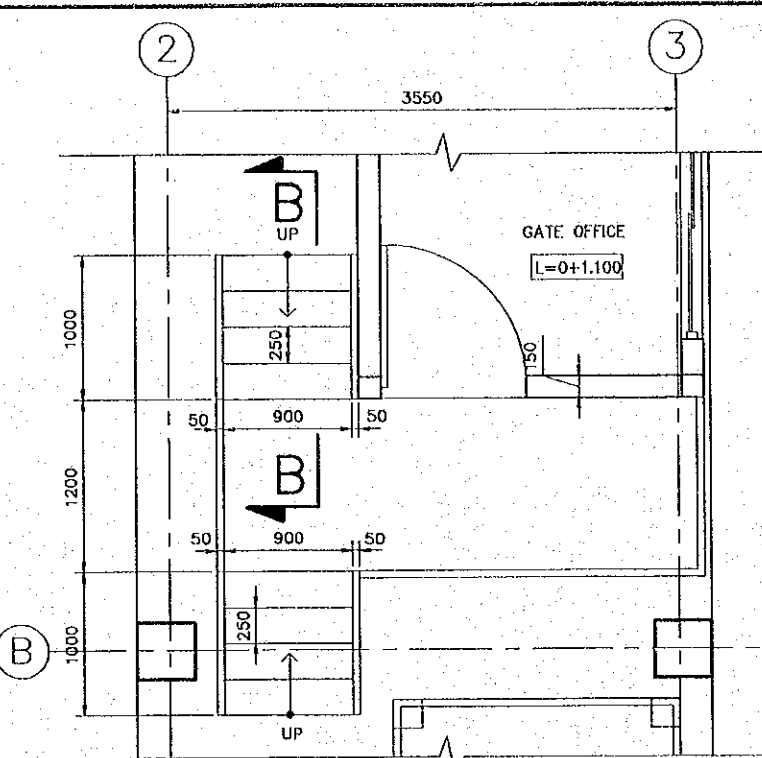
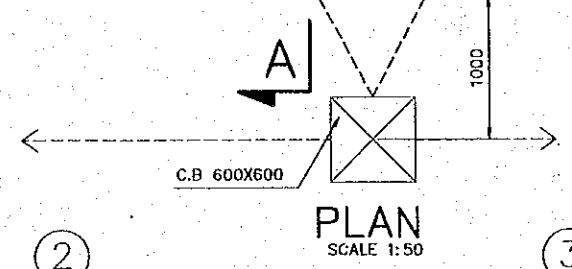
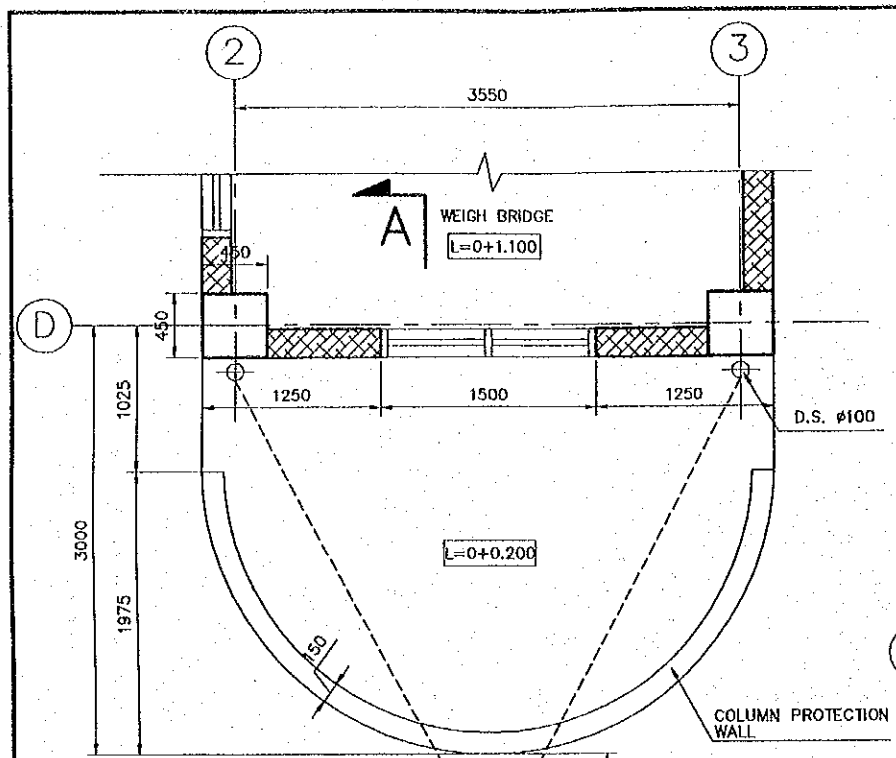
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NK NIPPON KOEI CO., LTD.

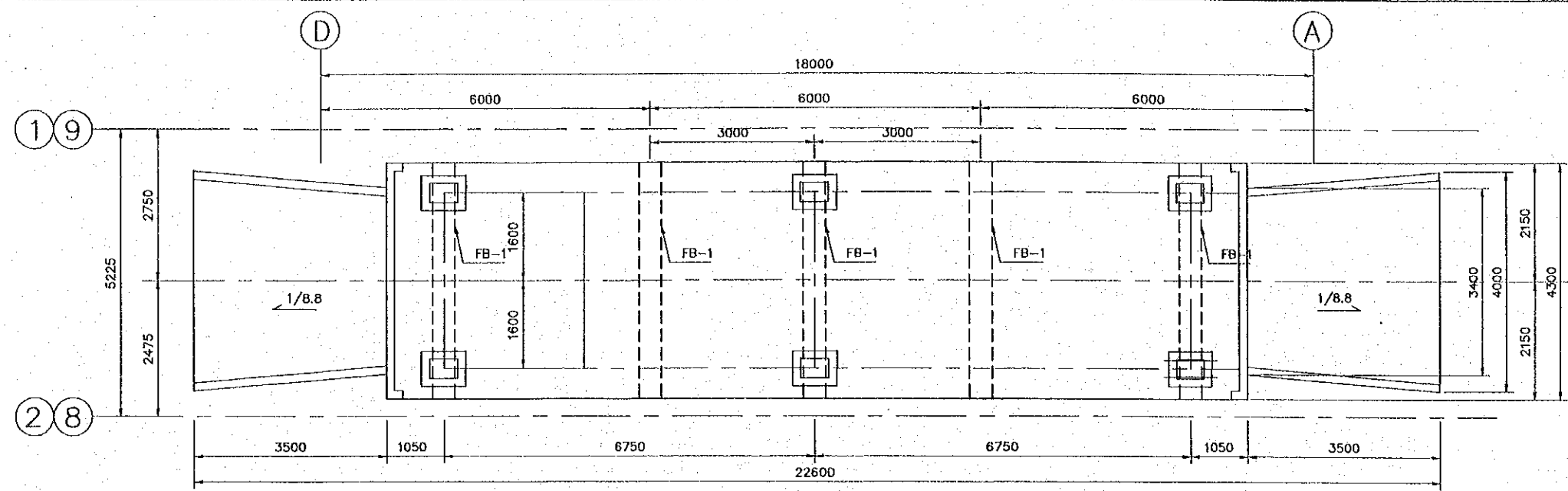
DESIGNED BY :
CHECKED BY :
APPROVED BY :

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

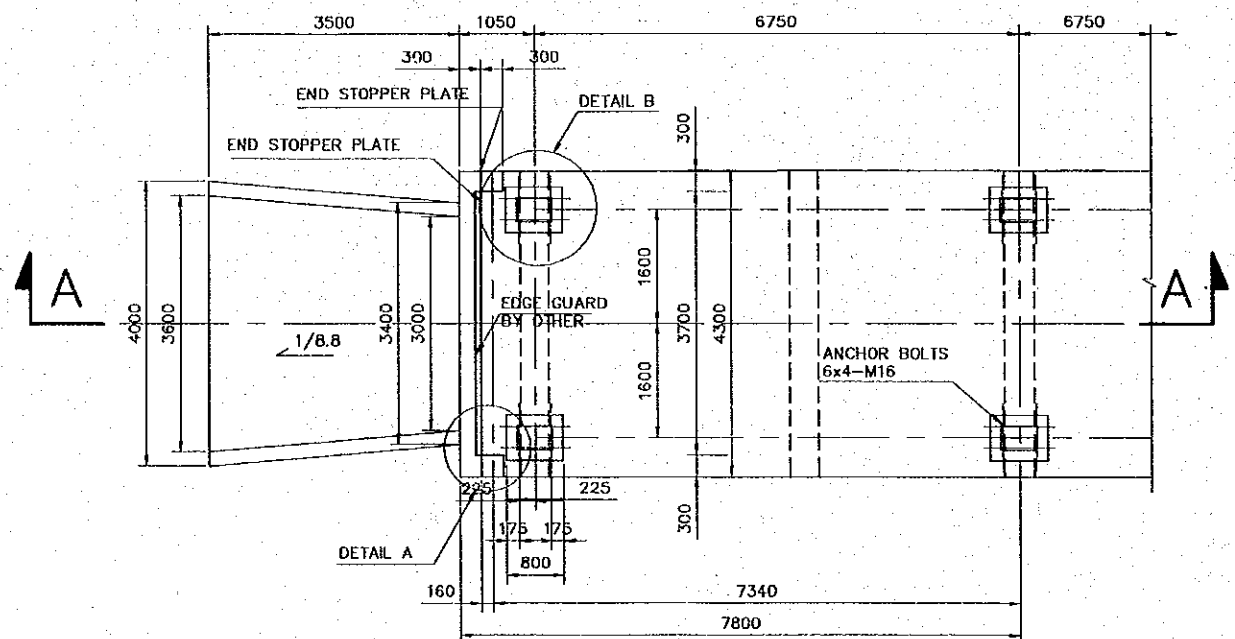
DATE : OCTOBER/2002
SCALE : 1:25, 1:50, 1:30
DRAWING NO. : BD-05-009



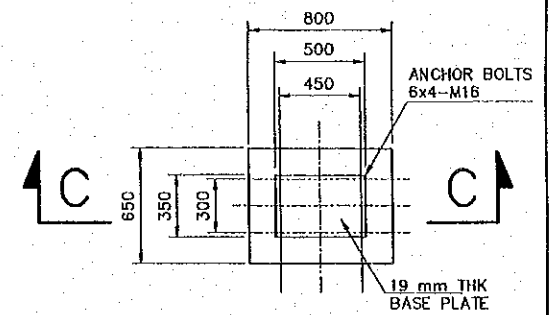
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
					CHECKED BY :			SUB-SECTION : CARGO GATE	SCALE : AS SHOWN	
					APPROVED BY :			TITLE : MISCELLANEOUS DETAIL	DRAWING NO. : BD-05-010	



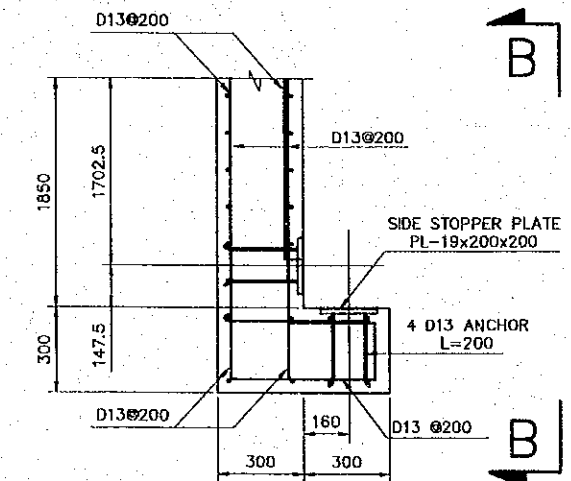
WEIGHBRIDGE KEY PLAN
SCALE 1:100



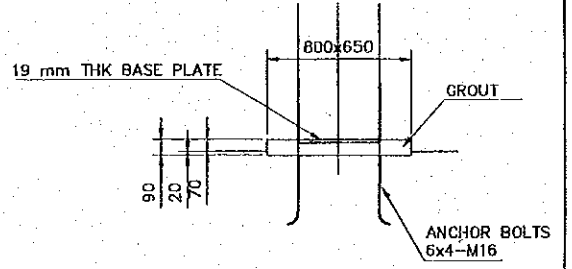
SECTION A-A
SCALE 1:100



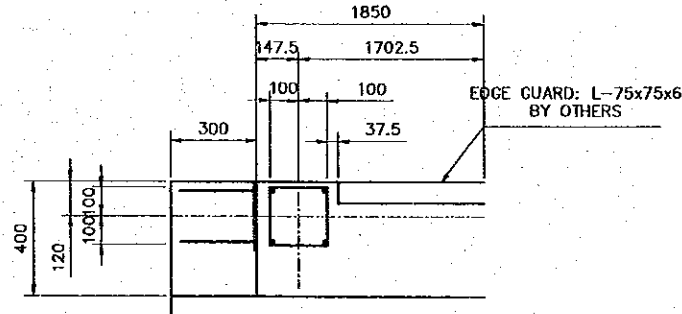
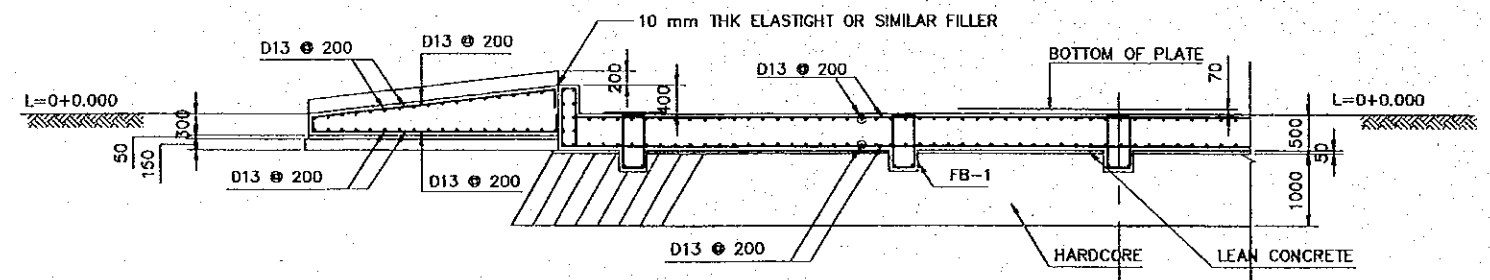
DETAIL B
SCALE 1:40



DETAIL A
SCALE 1:25

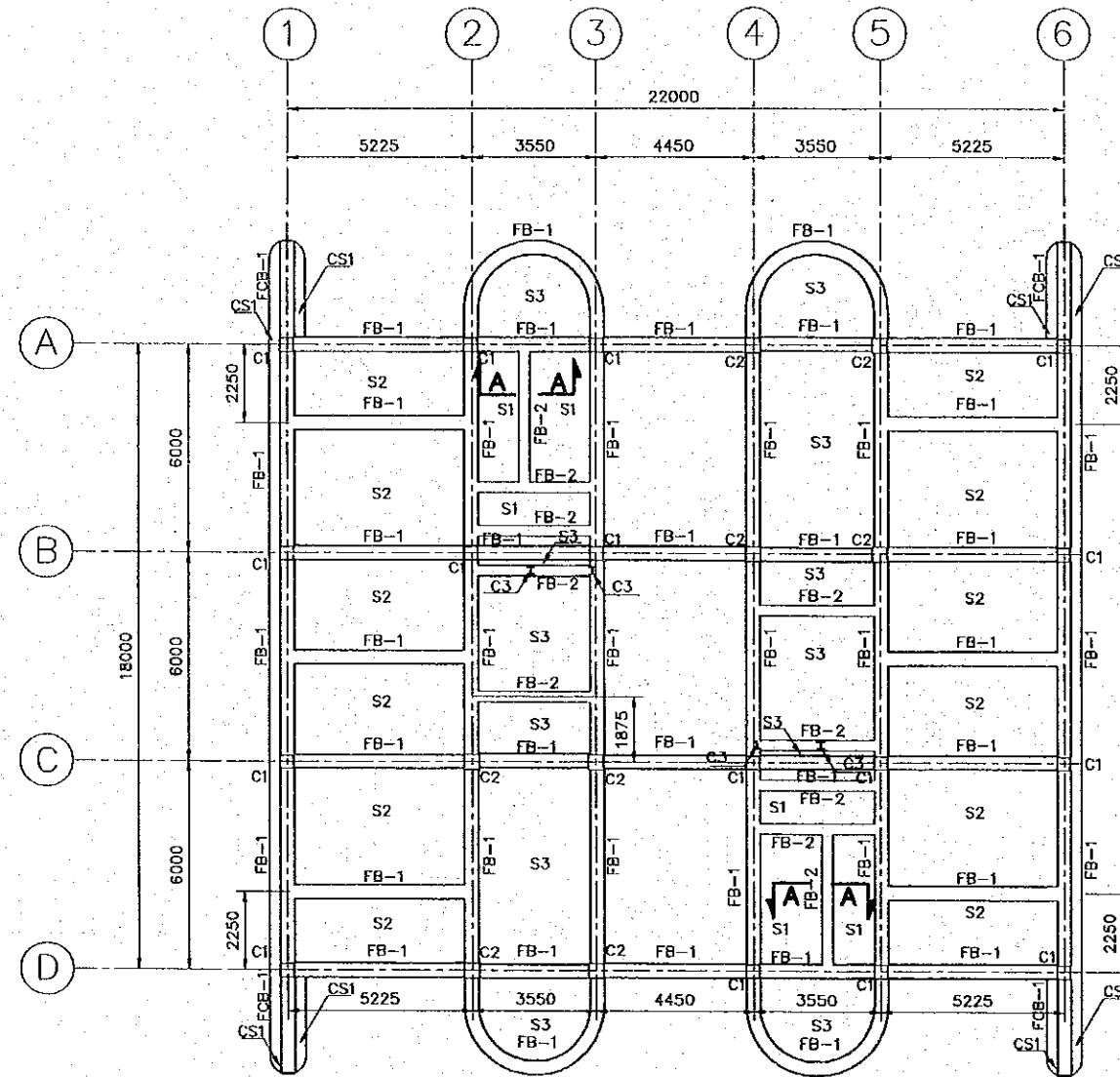


SECTION C-C
SCALE 1:40



VIEW-B
SCALE 1:25

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR				DESIGNED BY : CHECKED BY : APPROVED BY :		SECTION : BUILDING WORK SUB-SECTION : CARGO GATE TITLE : WEIGH BRIDGE DETAIL		DATE : OCTOBER/2002 SCALE : INDICATED DRAWING NO : BD-05-011	
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)				NIPPON KOEI CO., LTD.									
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE								



STRUCTURAL FIRST FLOOR PLAN
SCALE 1:200

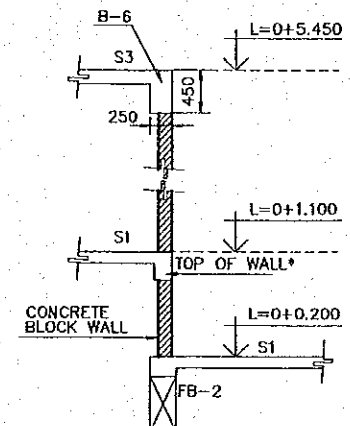
FB: FOUNDATION BEAM
 FB-1 IS 800 x 400
 FB-2 IS 650 x 300

FCB: FOUNDATION CANTILEVER BEAM
 FCB-1 IS 800 x 400

C: COLUMN
 C1 IS 400 x 400
 C2 IS 450 x 450
 C3 W8 X31

CS: CANTILEVER SLAB
 CS1 THICKNESS 150

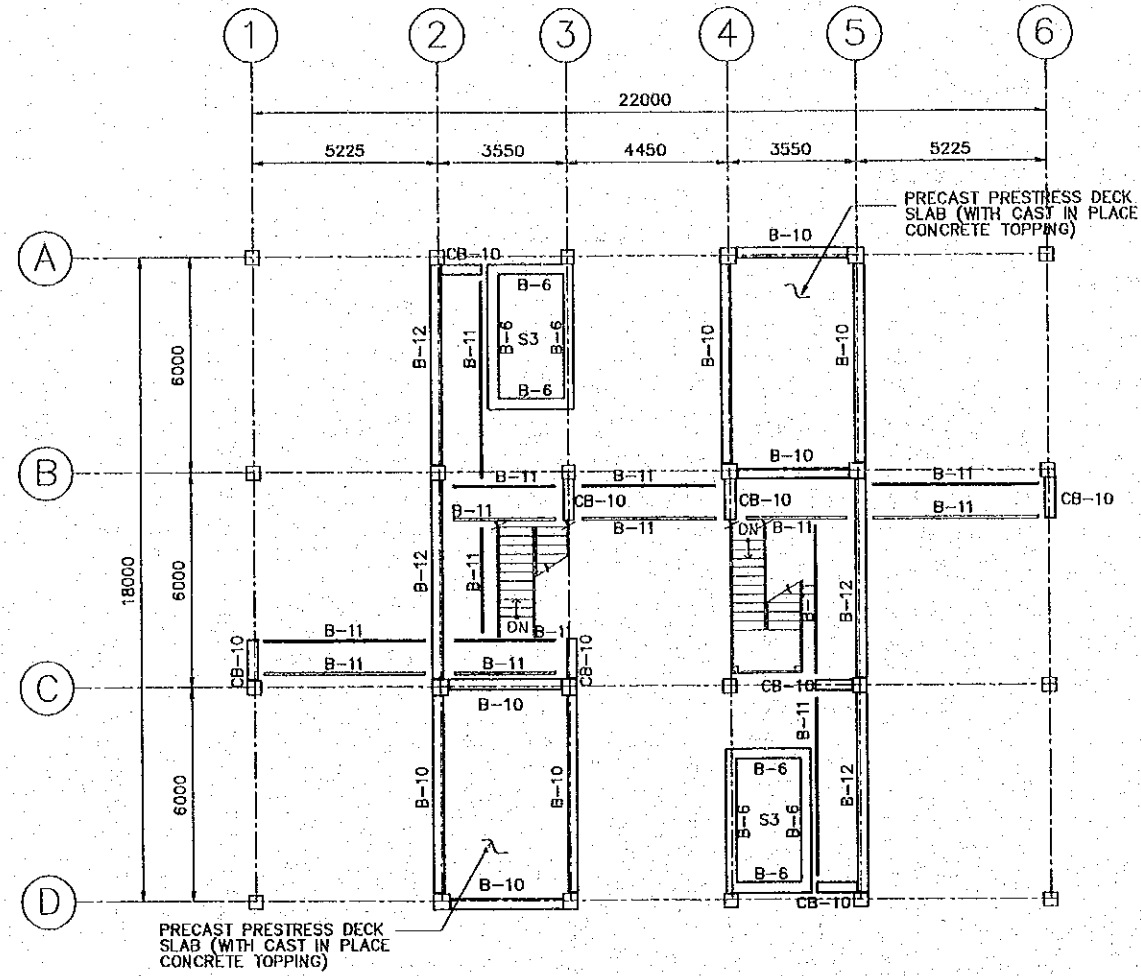
S: SLAB
 S1 THICKNESS 120
 S2 THICKNESS 500
 S3 THICKNESS 150



*SEE DRAWING:
BD-00-007

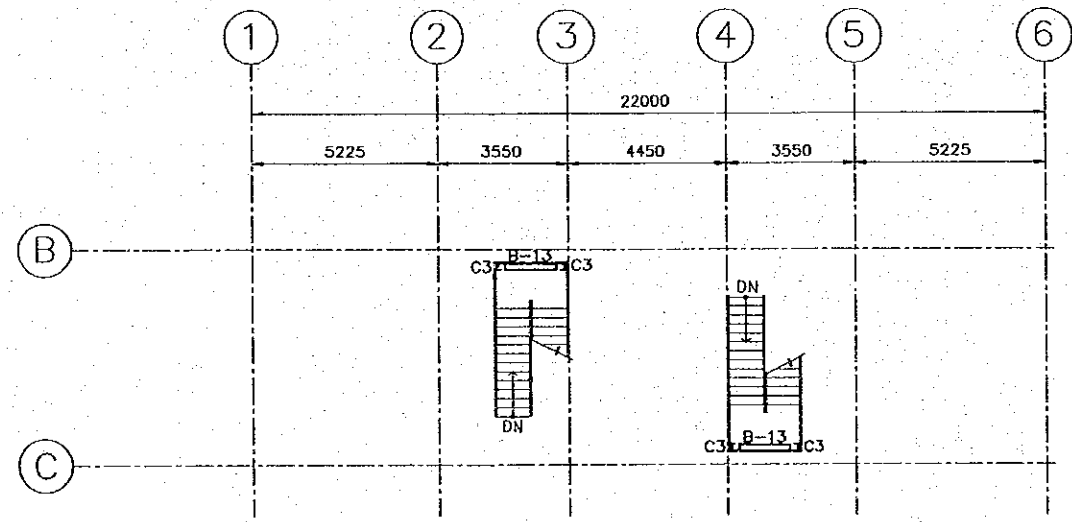
SECTION A-A
SCALE 1:75

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 :	SECTION :	DATE :
										: BUILDING WORK SUB-SECTION : CARGO GATE TITLE : STRUCTURAL FIRST FLOOR PLAN	OCTOBER/2002 SCALE : INDICATED DRAWING NO. : BD-05-013	



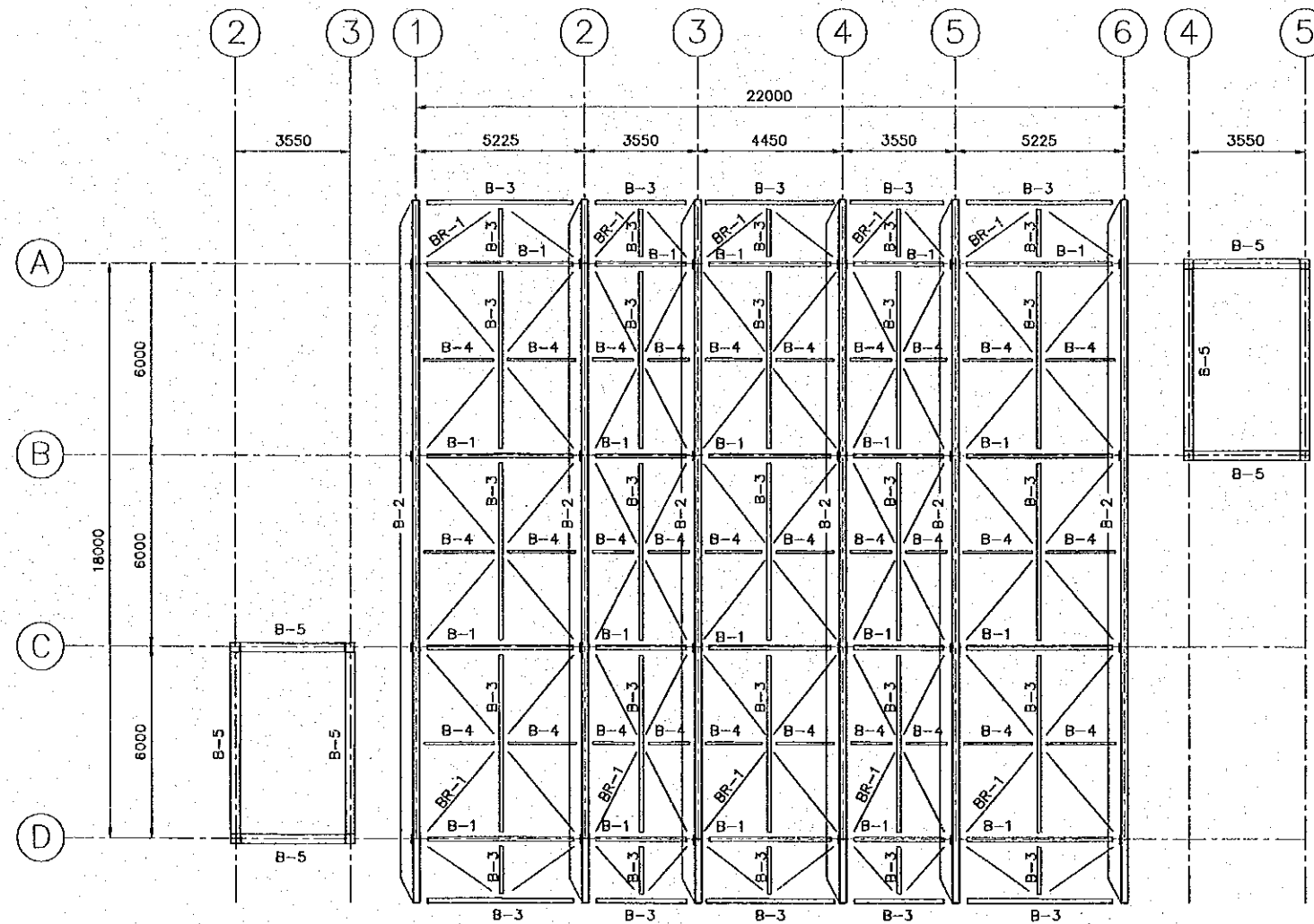
- B-6 IS 450 X 300
- B-10 IS 650 X 300
- B-11 C-10 X 25
- B-12 IS 400 X 300
- B-13 WB X 31
- CB-10 IS 300 x 300

STRUCTURAL SECOND FLOOR PLAN
SCALE 1:200



STAIR LANDING LEVEL
SCALE 1:200

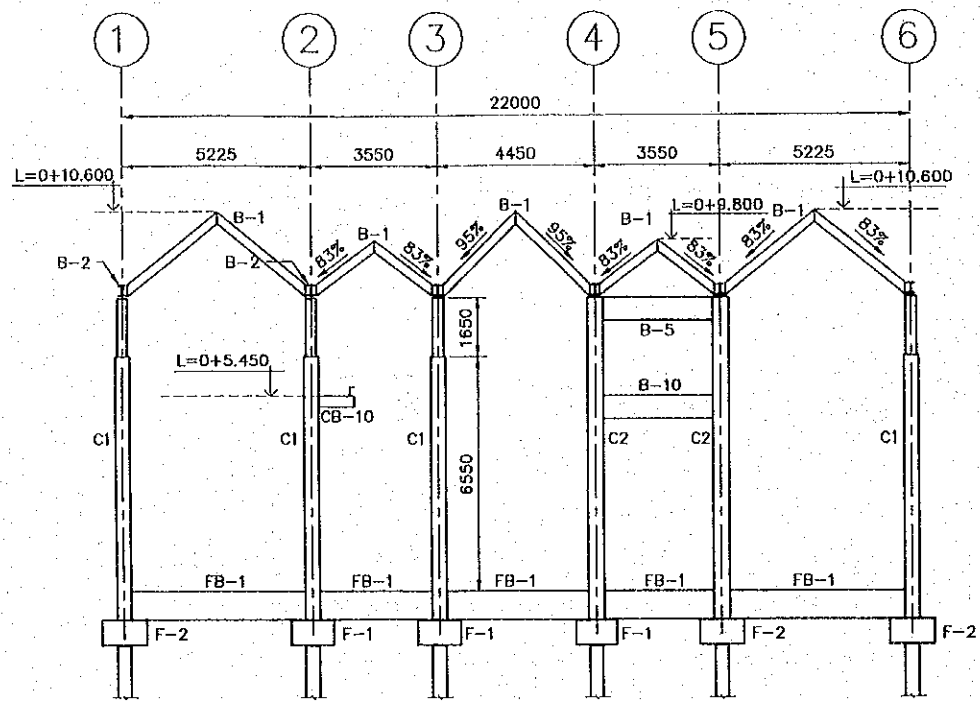
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.</p>	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : CARGO GATE	SCALE : 1:200
								APPROVED BY :	TITLE : STRUCTURAL SECOND FLOOR PLAN & STAIR LANDING PLAN	DRAWING NO. : BD-05-014



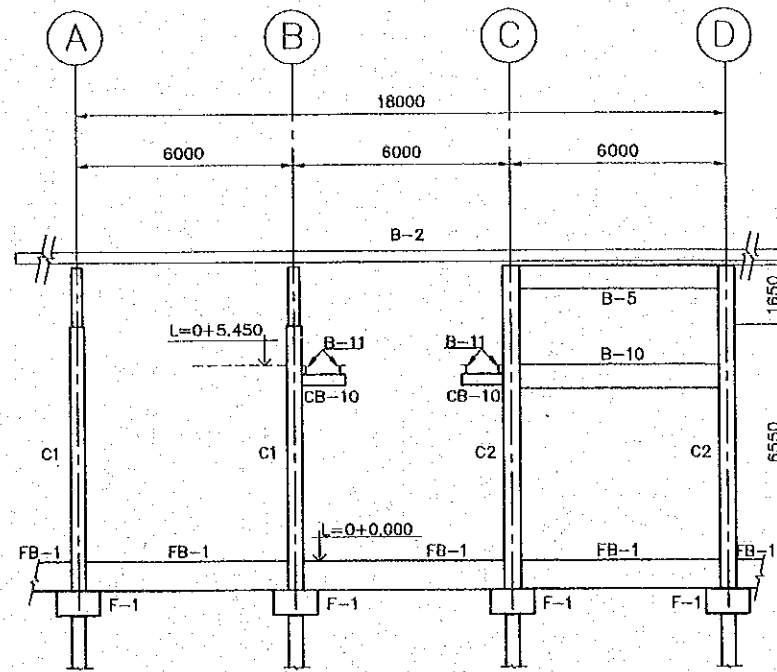
STRUCTURAL ROOF PLAN
SCALE 1:200

- B-1 IS W10x22
- B-2 IS W12x40
- B-3 IS W8x18
- B-4 IS C4x5.4
- B-5 IS 650x300 (CONCRETE GIRDER)
- ALL DIAGONAL MEMBERS ARE BR-1, N6 BAR
- FURLIN IS 4" x 2" x 3/64" @ 1000

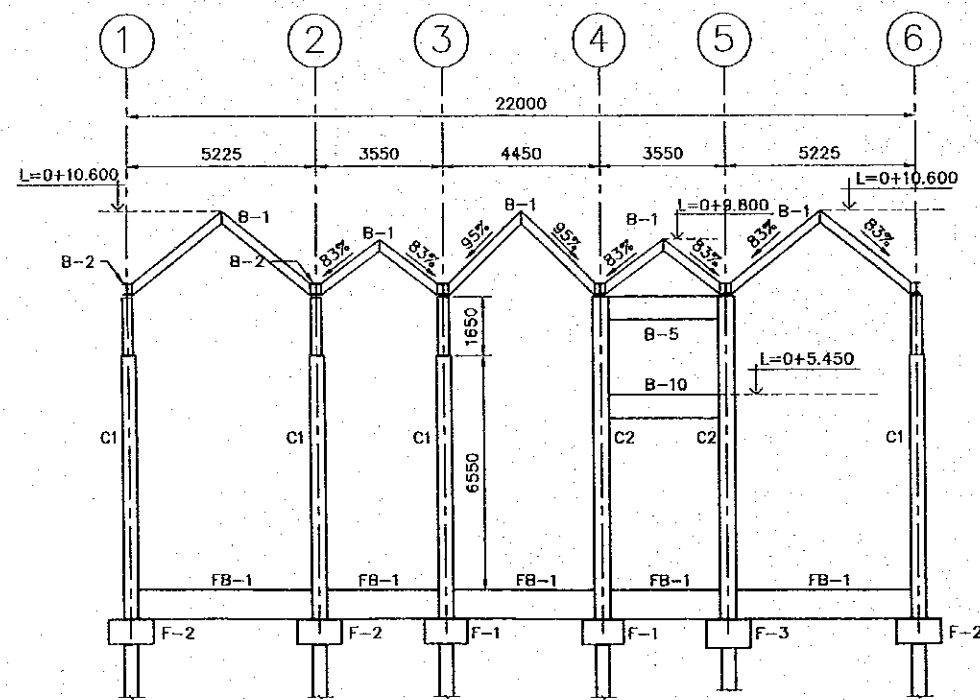
REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY:	SECTION : BUILDING WORK	DATE : OCTOBER/2002
														CHECKED BY:	SUB-SECTION : CARGO GATE	SCALE : 1:200
													APPROVED BY:	TITLE : STRUCTURAL ROOF PLAN	DRAWING NO. : BD-05-015	



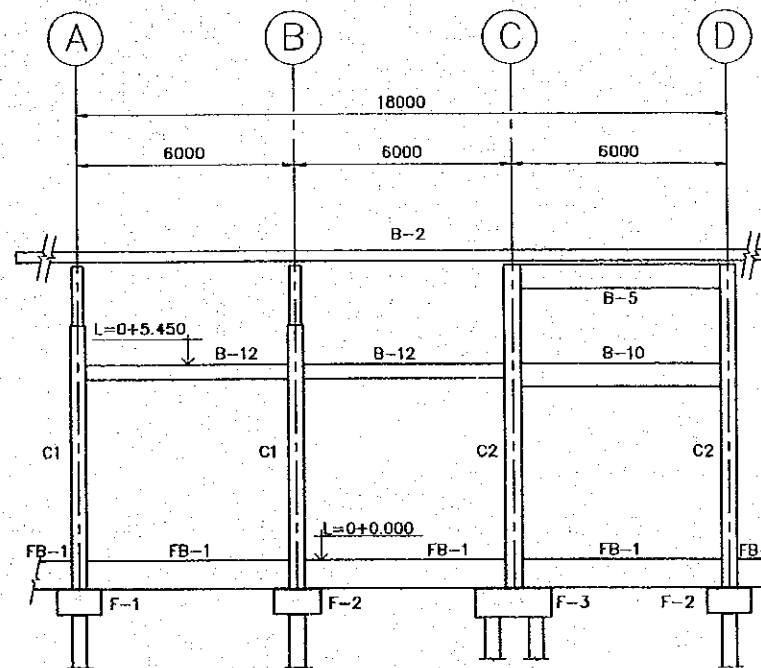
A - AXIS SECTION
SCALE 1:200



3 AXIS SECTION
SCALE 1:200



B - AXIS SECTION
SCALE 1:200



2 AXIS SECTION
SCALE 1:200

F: FOOTING
 F-1 IS 1210 x 1210 x 700
 (1 PRECAST PRESTRESS PILE)
 F-2 IS 1260 x 1260 x 700
 (1 PRECAST PRESTRESS PILE)
 F-3 IS 2100 x 1260 x 800
 (2 PRECAST PRESTRESS PILE)

C: COLUMN
 C1 IS 400x400/300x300
 C2 IS 450x450

FB: FOUNDATION BEAM
 FB-1 IS 800 x 400

CB: CANTILEVER BEAM
 CB-10 IS 300 x 300

B: BEAM
 B-1 IS W10x22
 B-2 IS W12x40
 B-5 IS 650 x 300
 (CONCRETE GIRDER)
 B-10 IS 650 x 300
 (CONCRETE GIRDER)
 B-11 IS C 10 x 25
 B-12 IS 400x300

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE



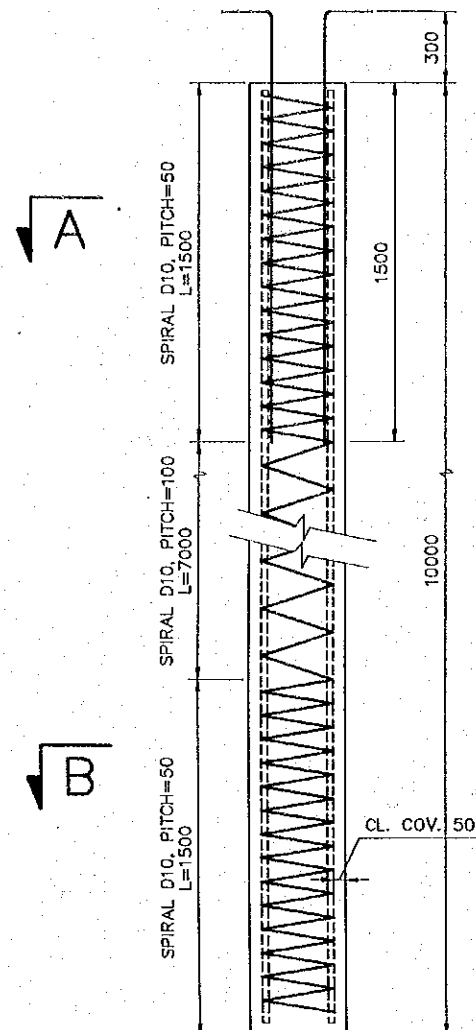
JAPAN INTERNATIONAL
 COOPERATION AGENCY
 (JICA)
 COMISION EJECUTIVA
 PORTUARIA AUTONOMA
 (CEPA)

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

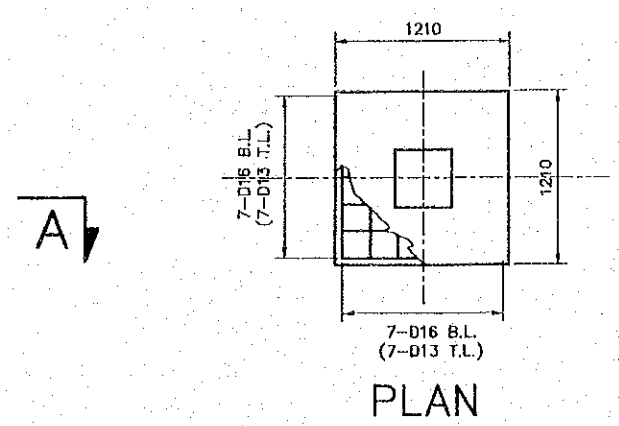
DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : CARGO GATE
 TITLE : STRUCTURAL SECTION

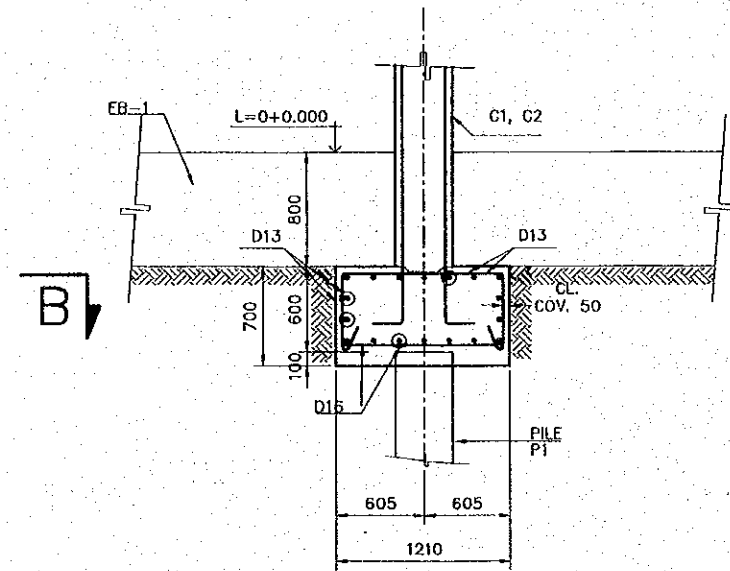
DATE : OCTOBER/2002
 SCALE : 1:200
 DRAWING NO. : BD-05-016



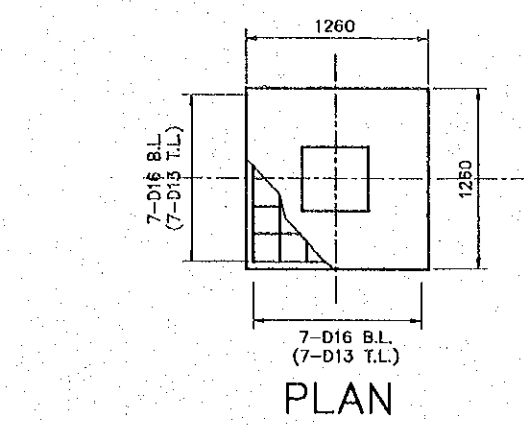
P1, P2
PRECAST PRESTRESS PILE
SCALE 1:30



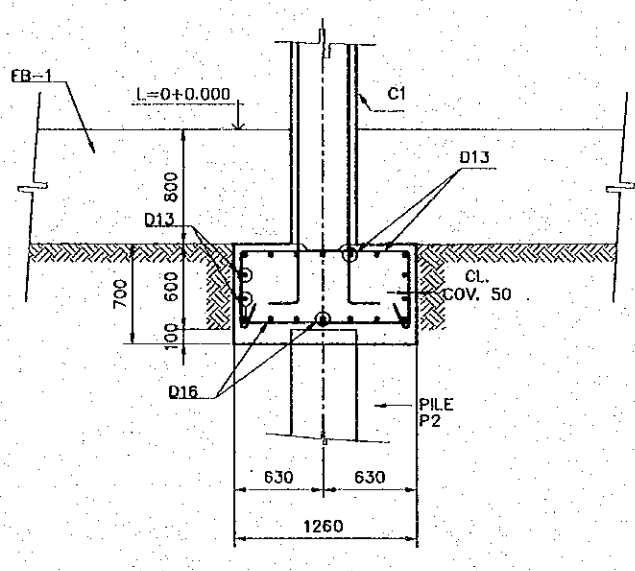
PLAN



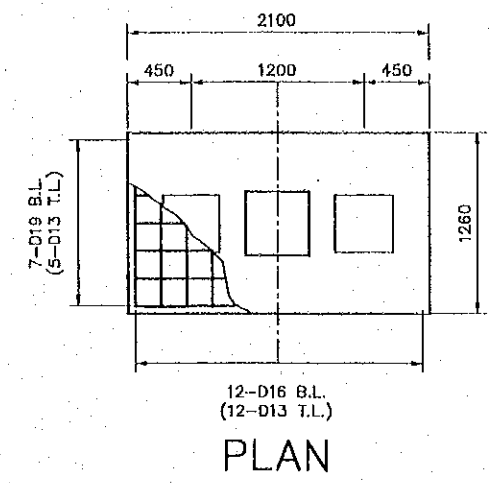
ELEVATION
F-1 FOUNDATION
SCALE 1:50



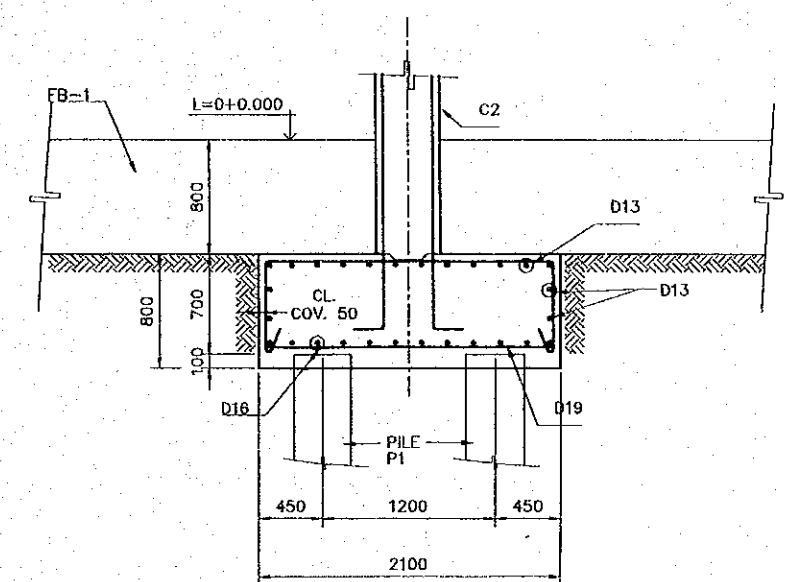
PLAN



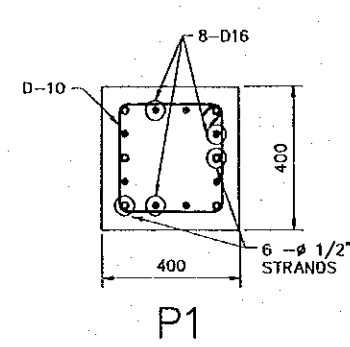
ELEVATION
F-2 FOUNDATION
SCALE 1:50



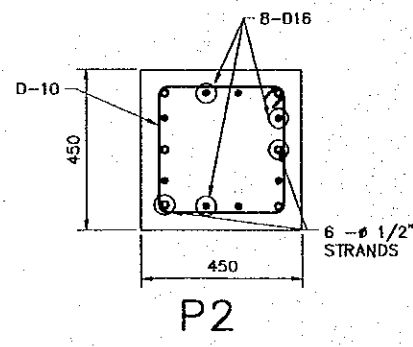
PLAN



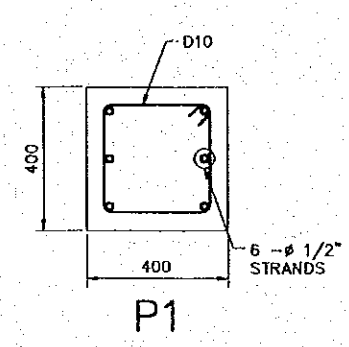
ELEVATION
F-3 FOUNDATION
SCALE 1:50



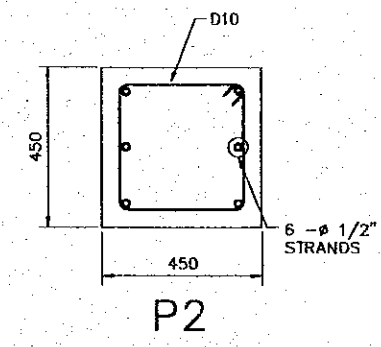
P1
SECTION A-A
SCALE 1:20



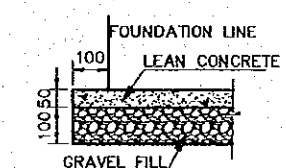
P2
SECTION A-A
SCALE 1:20



P1
SECTION B-B
SCALE 1:20



P2
SECTION B-B
SCALE 1:20



FOUNDATION BEDDING
SCALE 1:20

PILE	BEARING CAPACITY (TON)
P1	46.60
P2	65.20

PILE BEARING CAPACITY

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

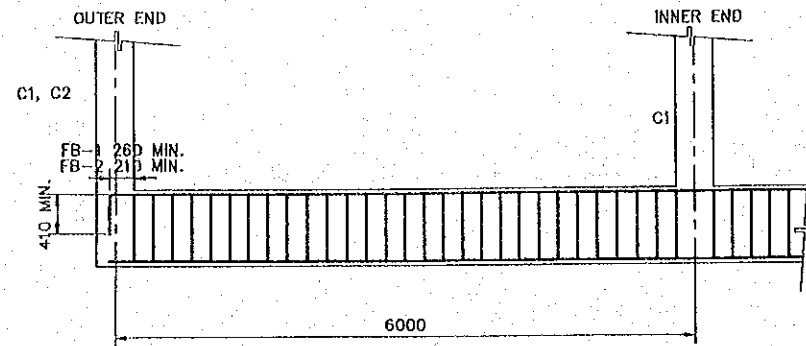
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

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

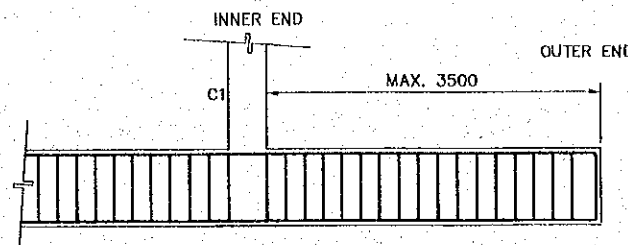
DESIGNED BY :	
CHECKED BY :	
APPROVED BY :	

SECTION : BUILDING WORK
 SUB-SECTION : CARGO GATE
 TITLE : STRUCTURAL PILE AND FOUNDATION SCHEDULE

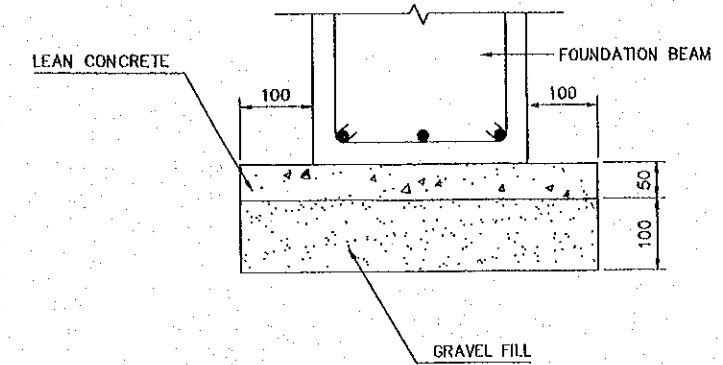
DATE :	OCTOBER/2002
SCALE :	INDICATED
DRAWING NO. :	BD-05-017



FB-1 AND FB-2 ELEVATION
NO SCALE



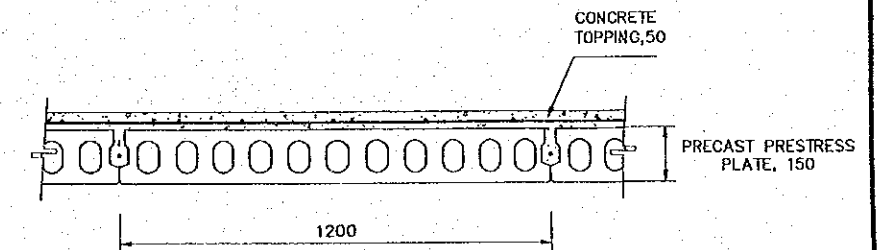
FCB-1 ELEVATION
NO SCALE



FOUNDATION BEAM BEDDING
SCALE 1:10

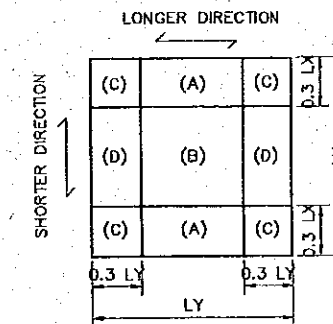
MARK	FB-1, FCB-1		
	OUTER END	CENTER	INNER END
SECTION			
B x D	400 X 800		
TOP BAR	3-D25	4-D25	4-D25
BOTTOM BAR	3-D25	4-D25	4-D25
STIRRUP	D13@200		
WEB BAR	2-D10		
TIE	D10 @ 1000		

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

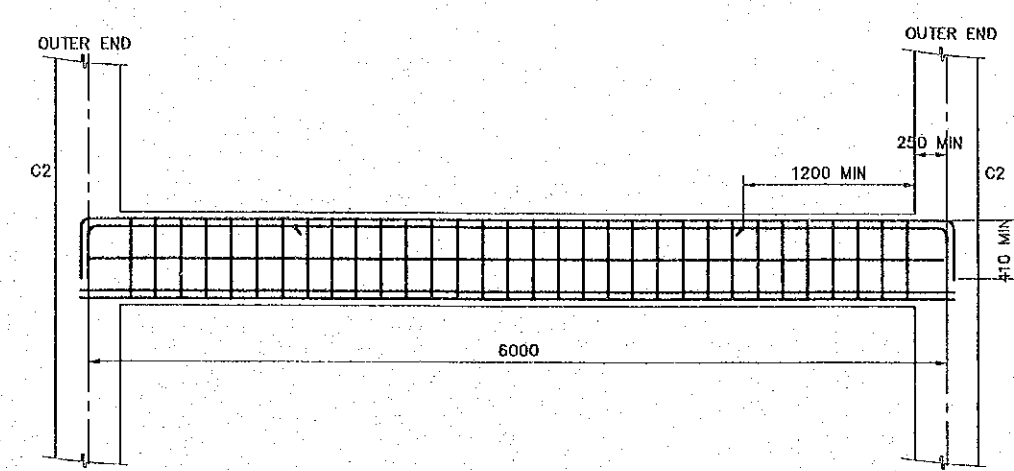
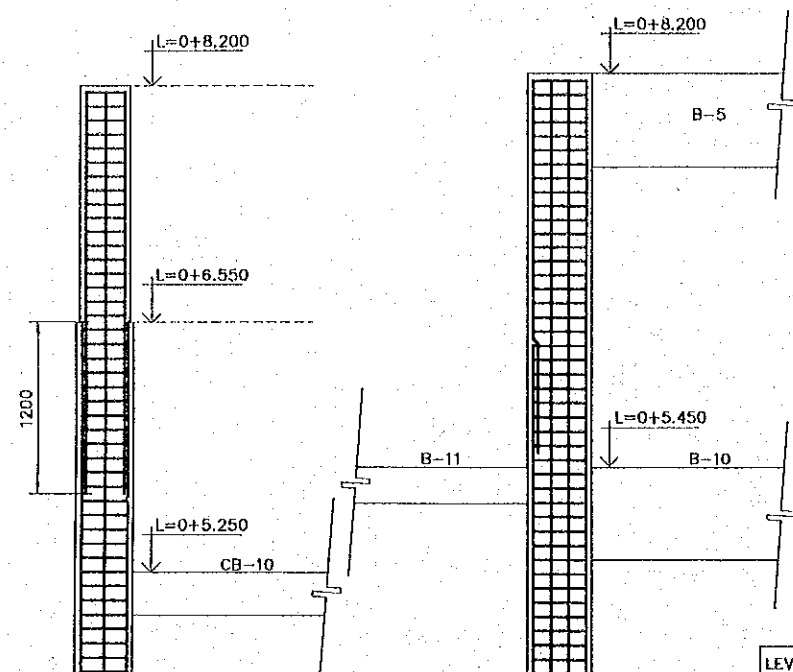


PRECAST PRESTRESS SLAB, S1
SCALE 1:20

MARK	THICKNESS (MM)	LOCATION	SHORTER SIDE (DIRECTION)				LONGER SIDE (DIRECTION)			
			EDGE STRIP		MIDDLE STRIP		EDGE STRIP		MIDDLE STRIP	
			END (C)	CENTER (D)	END (A)	CENTER (B)	END (C)	CENTER (A)	END (D)	CENTER (B)
S1	120	TOP	D10@200	D10@200	D10@200	-	D10@250	D10@250	D10@250	-
		BOTTOM	D10@200	D10@200	D10@200	D10@200	D10@250	D10@250	D10@250	D10@250
S2	500	TOP	D13@200	D13@200	D13@200	D13@200	D13@200	D13@200	D13@200	D13@200
		BOTTOM	D13@200	D13@200	D13@200	D13@200	D13@200	D13@200	D13@200	D13@200
S3	150	TOP	D10@200	D10@200	D10@200	-	D10@250	D10@250	D10@250	-
		BOTTOM	D10@200	D10@200	D10@200	D10@200	D10@250	D10@250	D10@250	D10@250
CS1	150	TOP	D13@200	D13@200	D13@200	D13@200	D10@250	D10@250	D10@250	-
		BOTTOM	D10@200	D10@200	D10@200	D10@200	D10@250	D10@250	D10@250	D10@250

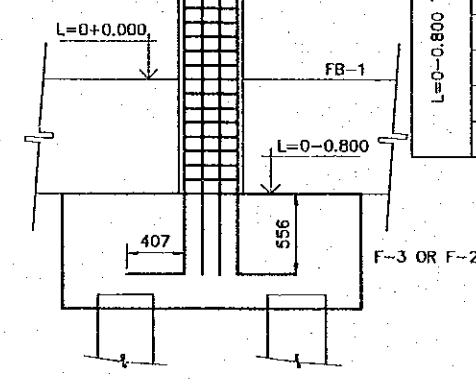
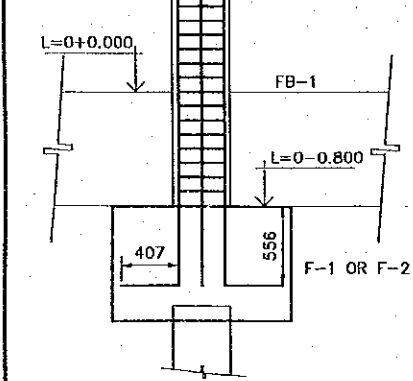


REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
					CHECKED BY :			SUB-SECTION : CARGO GATE	SCALE : INDICATED	
					APPROVED BY :			TITLE : STRUCTURAL FOUNDATION BEAM AND SLAB SCHEDULE	DRAWING NO. : BD-05-018	



BEAM CB-10 ELEVATION
SCALE 1:50

BEAM B-5 & B-10 ELEVATION
SCALE 1:50



COLUMN C1
SCALE 1:50

COLUMN C2
SCALE 1:50

LEVEL	MARK	C1	C2
L=0+6.550 TO L=0+8.200	SECTION		
	B x D	300 x 300	450 x 450
	MAIN BAR	8-D25	12-D25
	HOOP	D10 @ 100	D13 @ 100
L=0-0.800 TO L=0+6.550	SECTION		
	B x D	400 x 400	
	MAIN BAR	8-D25	
	HOOP	D13 @ 100	
	TIE	D10 @ 600	

MARK	B-5		B-6	B-10		B-12	CB-10
	OUTER END	CENTER	ALL	OUTER END	CENTER	ALL	ALL
SECTION							
B x D	300 x 650		300 x 450	300 x 650		300 x 400	300 x 300
TOP BAR	3-D25	3-D25	2-D19	4-D25	4-D25	3-D25	2-D25
BOTTOM BAR	3-D25	3-D25	2-D19	4-D25	4-D25	3-D25	2-D25
STIRRUP	D10 @ 175		D10 @ 150	D13 @ 150		D13 @ 200	D10 @ 175
WEB BAR	2-D10		-	2-D10		-	-
TIE	D10 @ 1000		-	D10 @ 1000		-	-

NOTES:

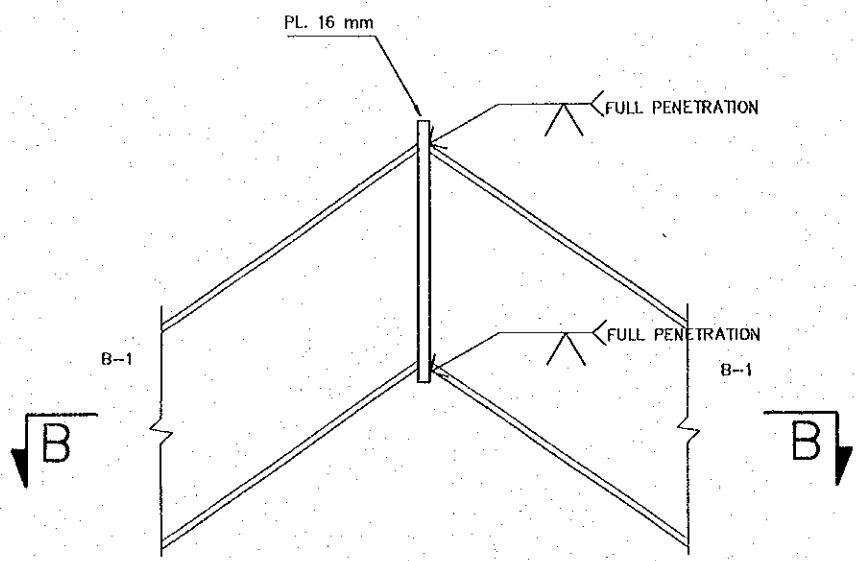
- REFER TO COLUMN AND BEAM SCHEDULE FOR HOOP, TIE AND STIRRUP SIZE AND SPACING.
- SPLICING OF VERTICAL BARS SHALL BE A MINIMUM LENGTH OF 800 MM.
- SPLICE LOCATION FOR VERTICAL BARS SHALL BE ALTERNATE.
- CLEAR COVER IS 50 MM.

MARK	MEMBER	PIN CONNECTIONS
B-1	W10X22	PL9, 2-7/8"
B-2	W12X40	PL9, 3-7/8"
B-3	W8X18	PL9, 2-7/8"
B-4	C4X5.4	PL6, 2-3/4"
B-11	C10X25	PL12 2-7/8"
B-13	W8X31	PL9 2-7/8"
BR-1	D19 BAR	PL9, 1-3/4"
C-3	W8X31	BPL 12X250X250*
C-4	W5-19	PL9, 2-3/4"

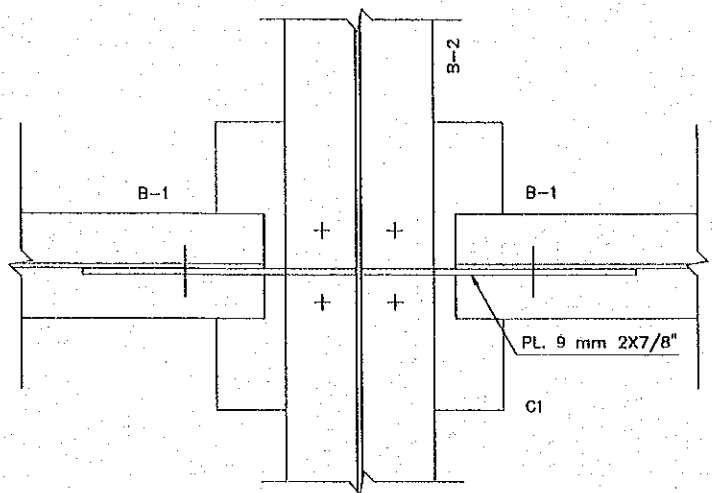
STEEL MEMBER SCHEDULE

* ANCHOR BOLT 2-M20, L=800
 NOTES:
 * SEE STEEL DETAIL
 PLATE THICKNESS: PL9, 2-7/8"
 DIAMETER OF BOLTS: PL9, 2-7/8"
 NUMBER OF BOLTS

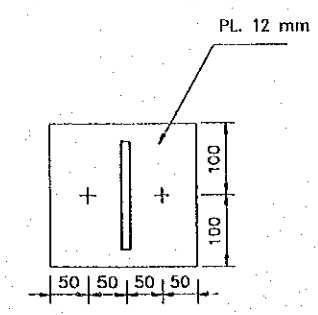
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR</p> <p>NIPPON KOEI CO., LTD.</p>	DESIGNED BY:	SECTION: BUILDING WORK	DATE: OCTOBER/2002
								CHECKED BY:	SUB-SECTION: CARGO GATE	SCALE: 1:50
								APPROVED BY:	TITLE: STRUCTURAL COLUMN AND BEAM SCHEDULE	DRAWING NO: BD-05-019



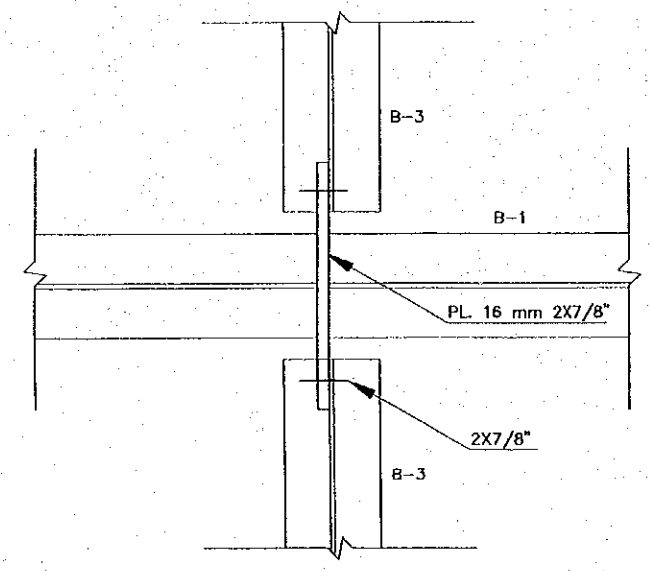
ROOF TOP DETAIL
SCALE 1:10



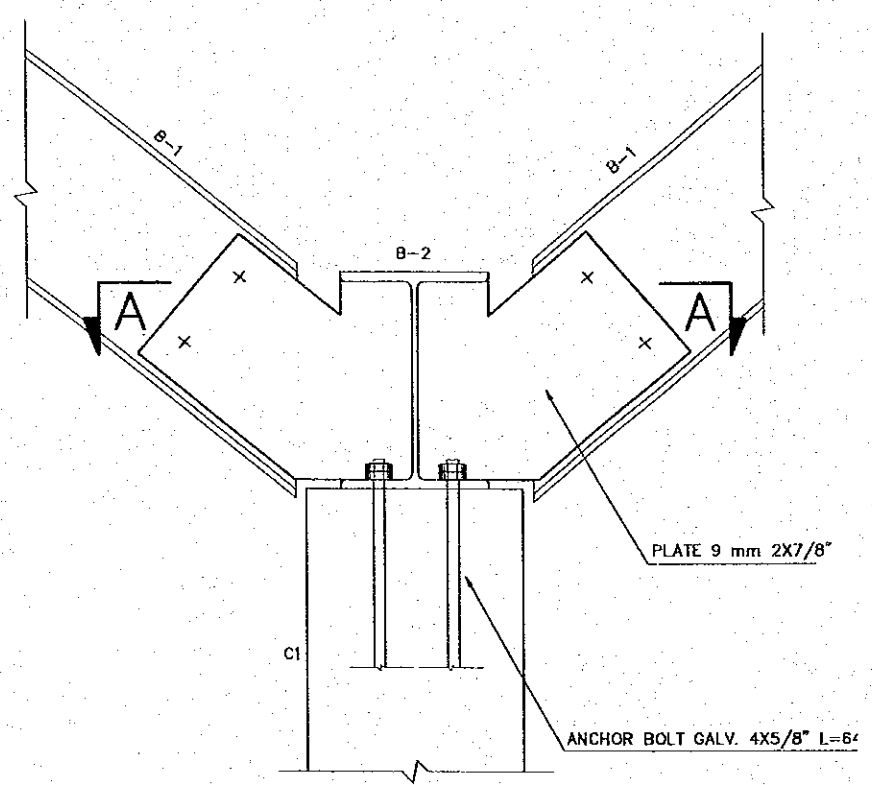
SECTION A-A
SCALE 1:10



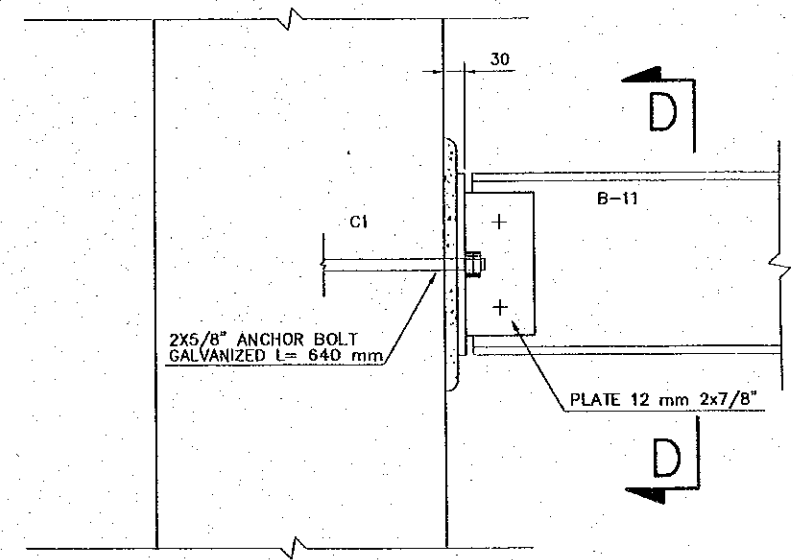
SECTION D
SCALE 1:10



SECTION B
SCALE 1:10






DETAIL
SCALE 1:10



C1, B11 CONNECTION DETAIL
SCALE 1:10

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

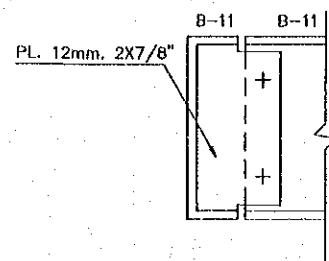
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
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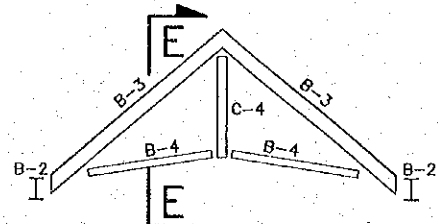
DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : CARGO GATE
 TITLE : STRUCTURAL STEEL
 DETAIL-01

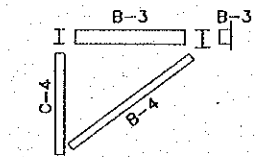
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 SCALE : 1 : 10
 DRAWING NO. : BD-05-020



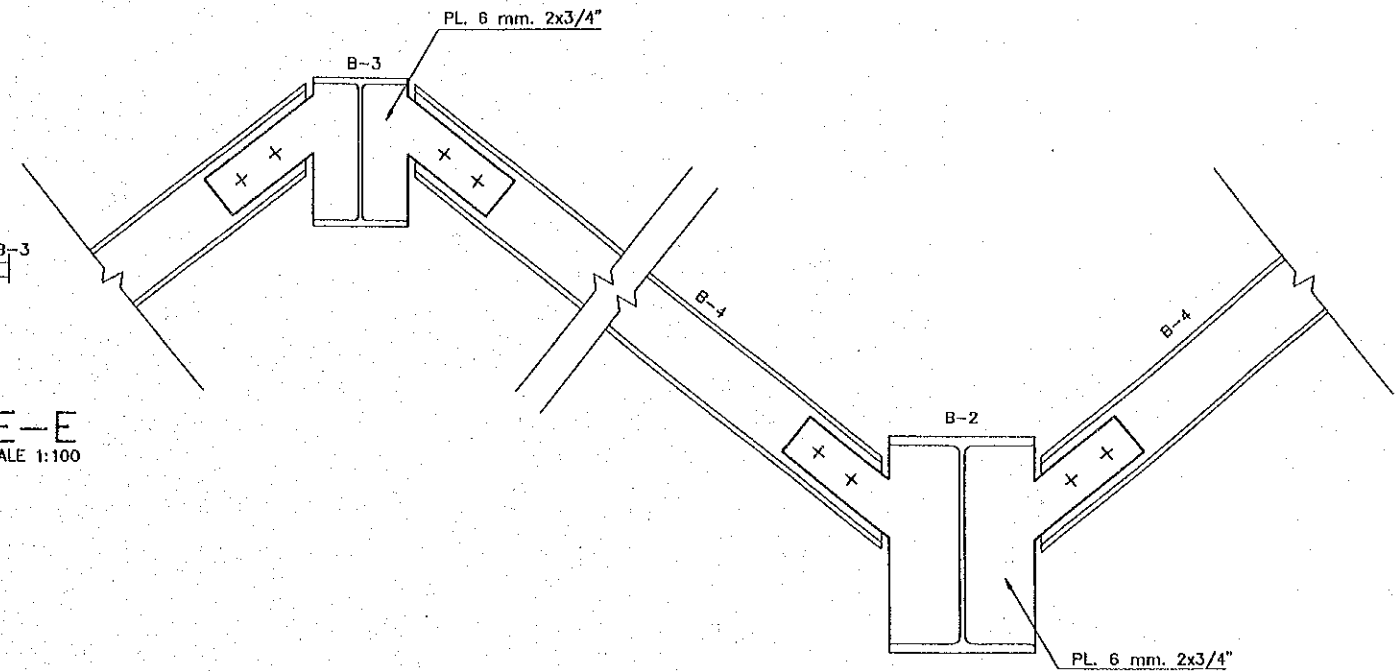
B-11 CONNECTION DETAIL
SCALE 1:10



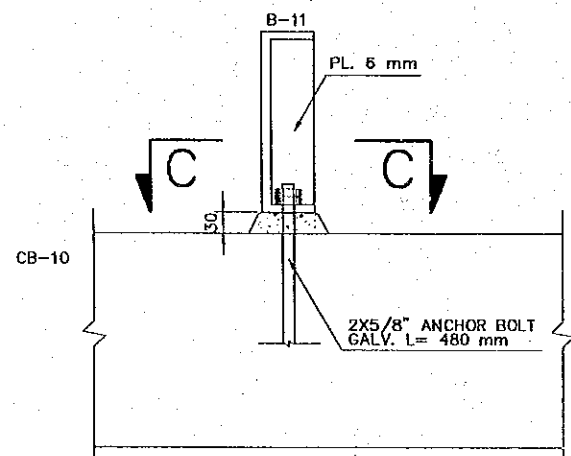
TIP OF ROOF
SCALE 1:100



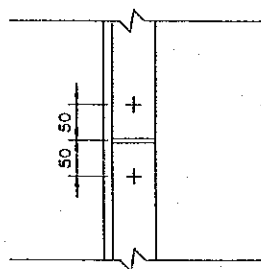
SECTION E-E
SCALE 1:100



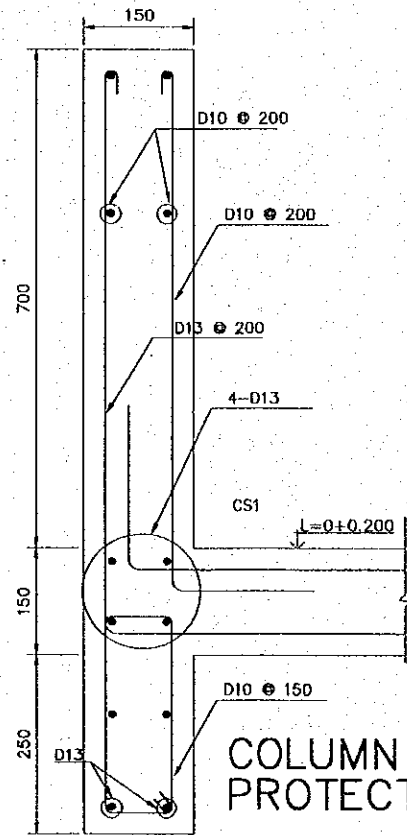
DETAIL
SCALE 1:10



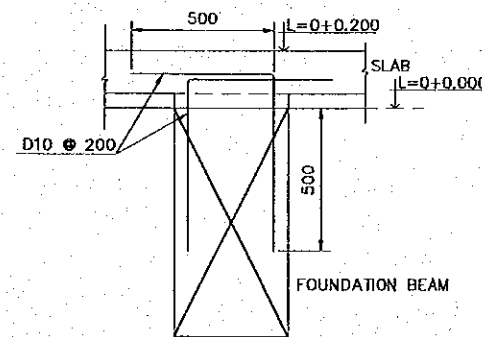
B-11, CB-10 CONNECTION DETAIL
SCALE 1:10



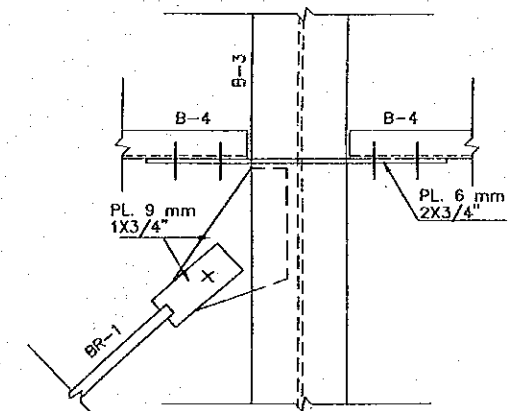
SECTION C
SCALE 1:10



COLUMN PROTECTION WALL
SCALE 1:10



REINFORCEMENT FOR 1ST. FLOOR SLAB AND FOUNDATION BEAM
SCALE 1:10



B-3, B-4, BR-1 CONNECTION
SCALE 1:10

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

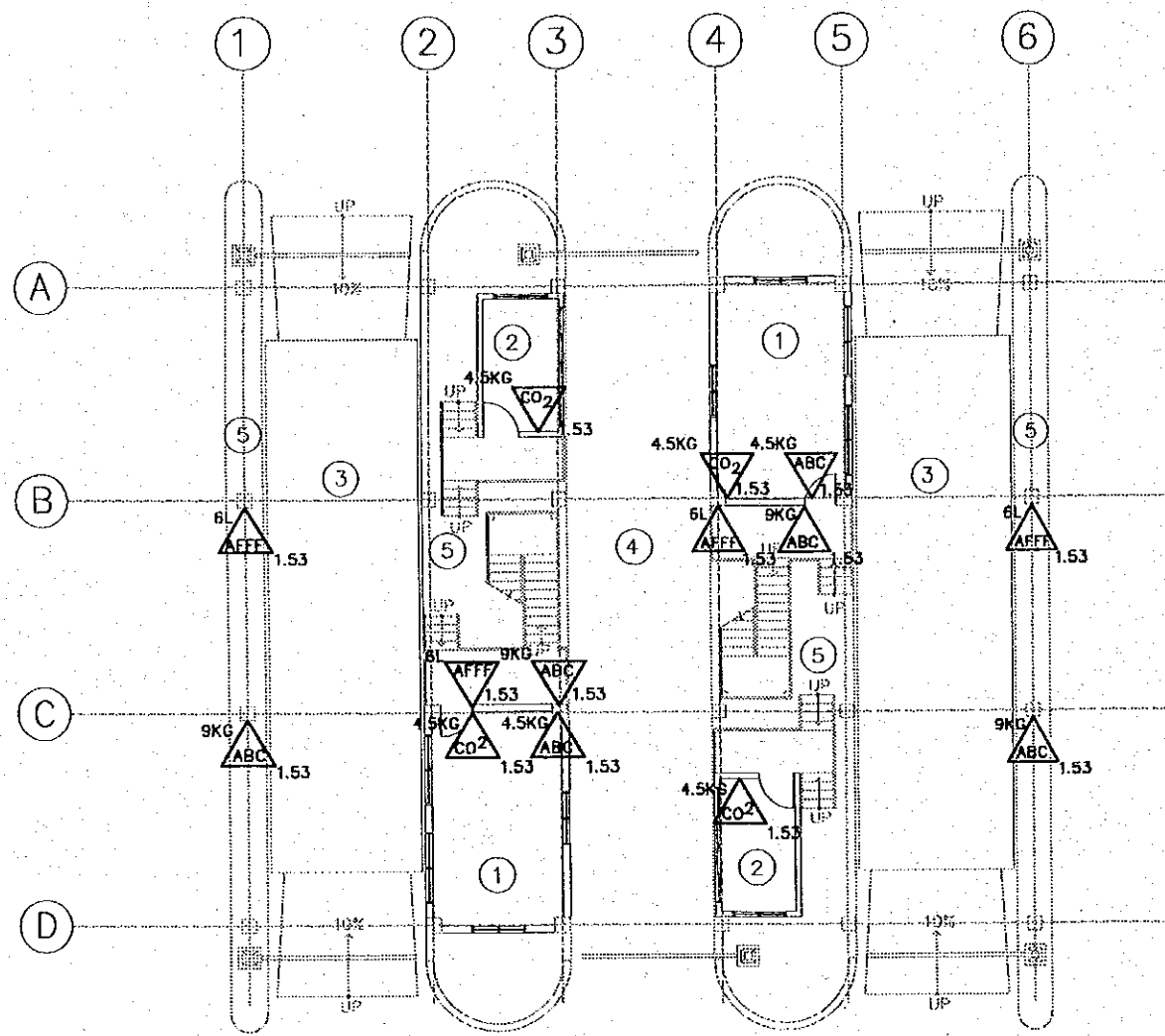
JICA
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THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
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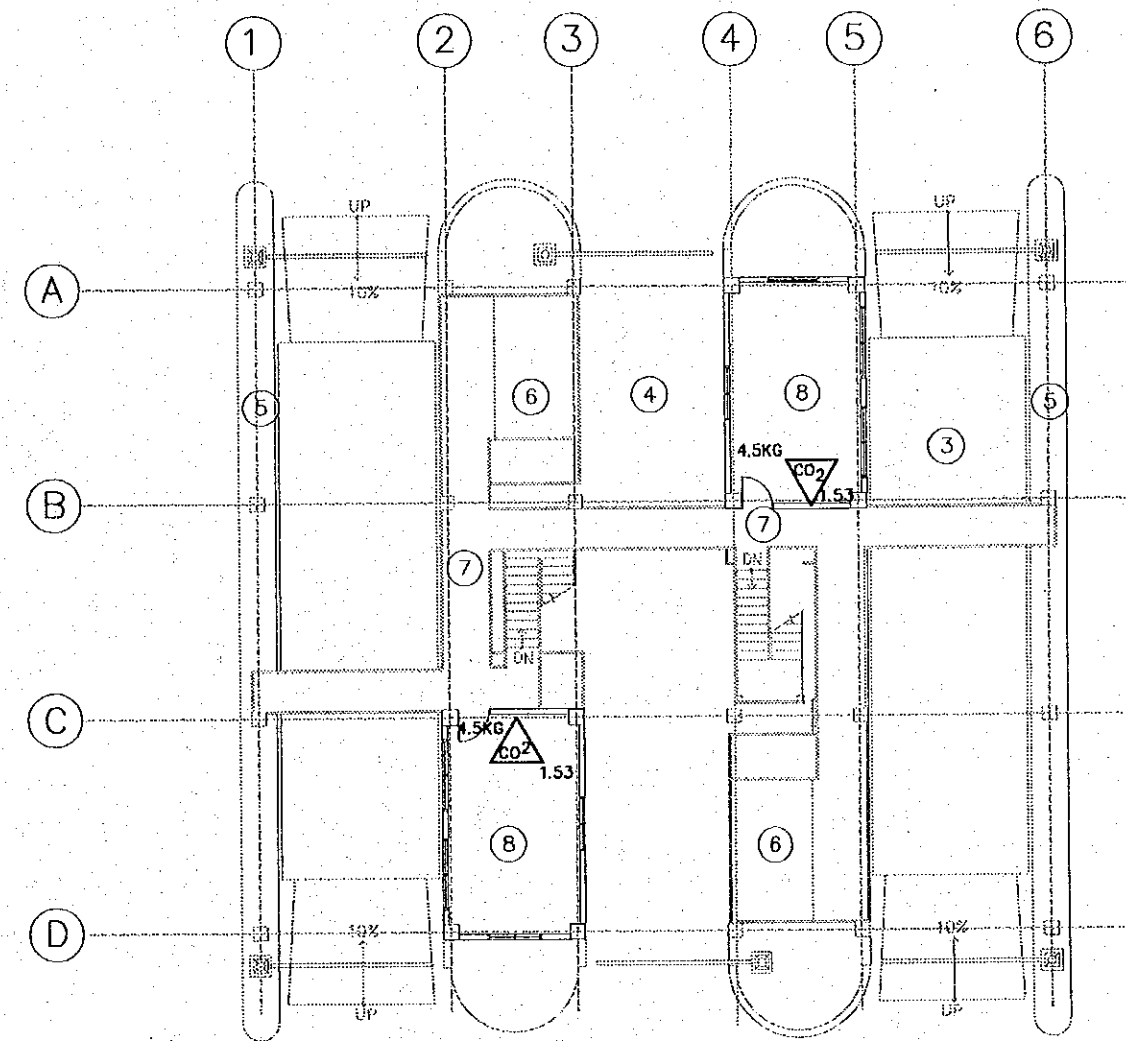
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : CARGO GATE
TITLE : STRUCTURAL STEEL DETAIL -02 AND RC DETAIL

DATE : OCTOBER/2002
SCALE : INDICATED
DRAWING NO: BD-05-021



FIRE FIGHTING SYSTEM
FIRST FLOOR
SCALE 1:200



FIRE FIGHTING SYSTEM
SECOND FLOOR
SCALE 1:200

FIRE FIGHTING SYMBOLS		(ROOM LIST)
	ABC (MULTIPURPOSE) DRY POWDER EXTINGUISHER	① WEIGH BRIDGE OFFICE
	AB CLASS AFFF EXTINGUISHER	② STORAGE
	AB CLASS CO2 EXTINGUISHER	③ WEIGH BRIDGE
	KITCHEN CLASS EXTINGUISHER	④ GATE OFFICE
	ABC CLASS DRY CHEMICAL WHEELED EXTINGUISHER	⑤ PAVEMENT
LEGEND		⑥ SIDE WALK (island)
c	CHARGE	
h	PLACEMENT HEIGHT	

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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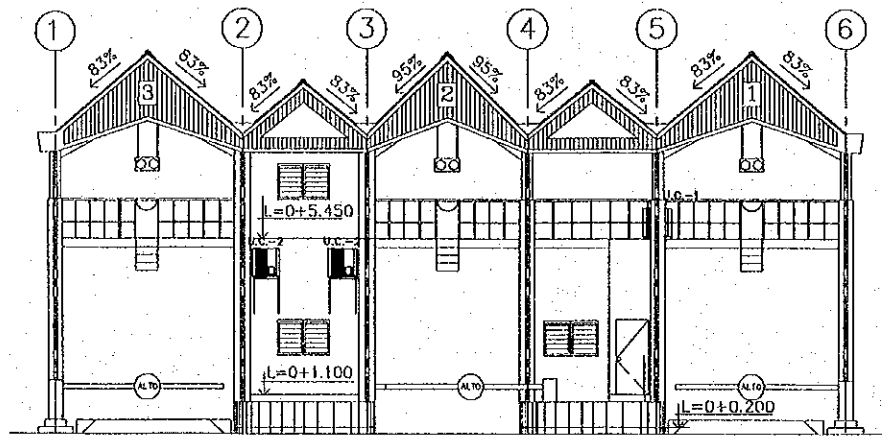
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NKC NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

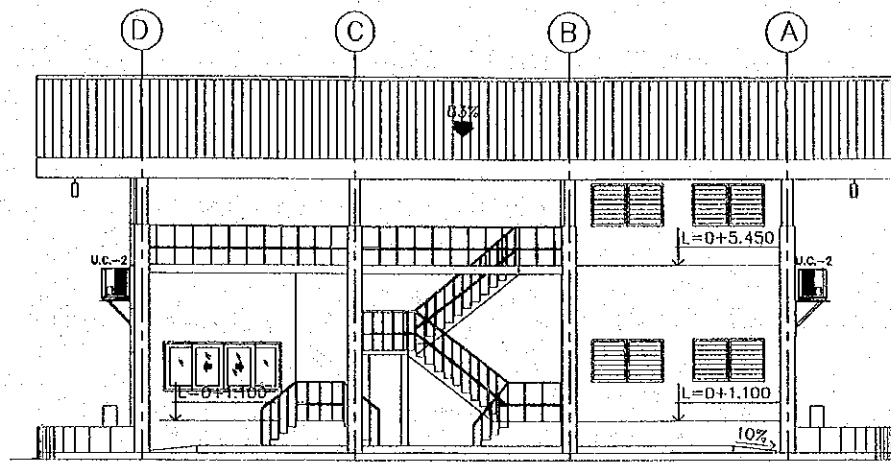
SECTION : BUILDING WORK
SUB-SECTION : CARGO GATE
TITLE : FIRE FIGHTING SYSTEM FIRST AND SECOND FLOORS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-05-022



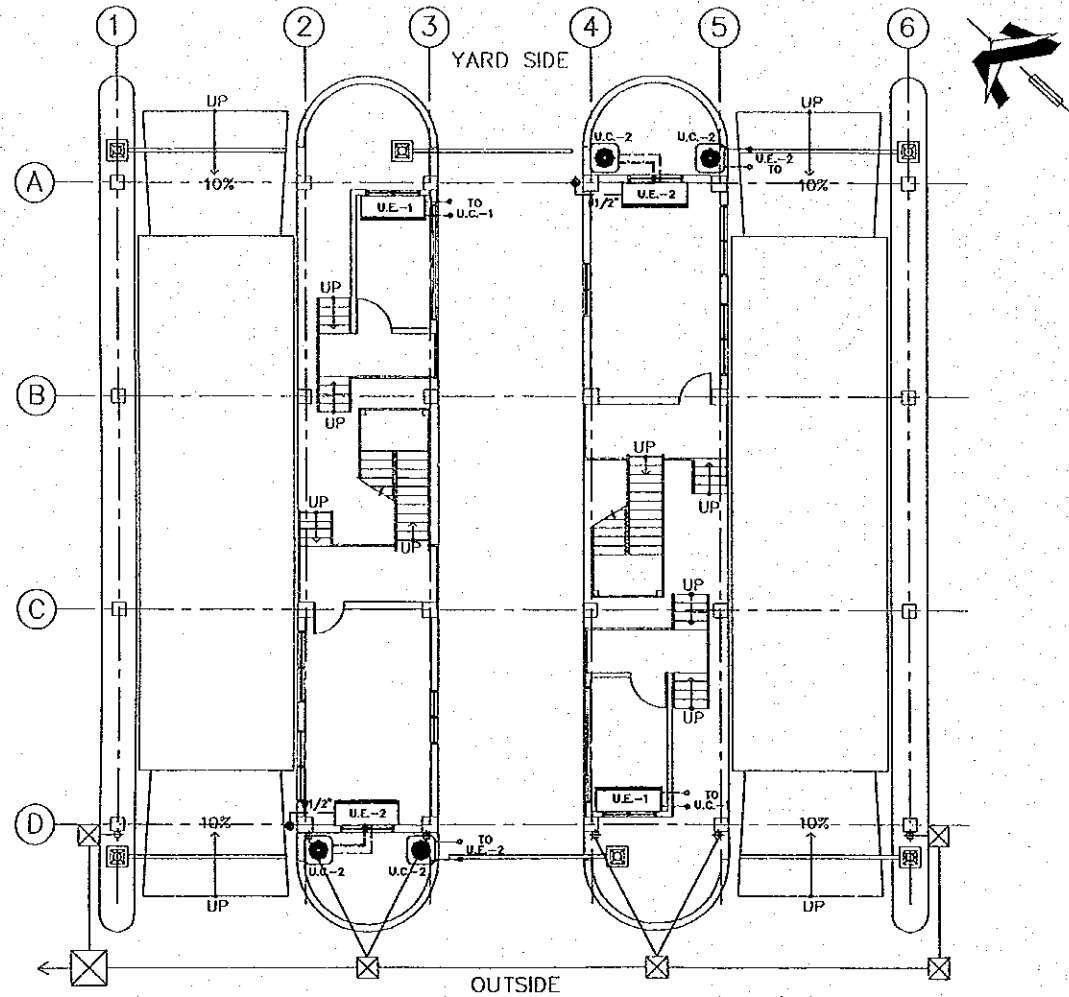
AIR CONDITIONING SYSTEM
SOUTHWEST ELEVATION

SCALE 1:200



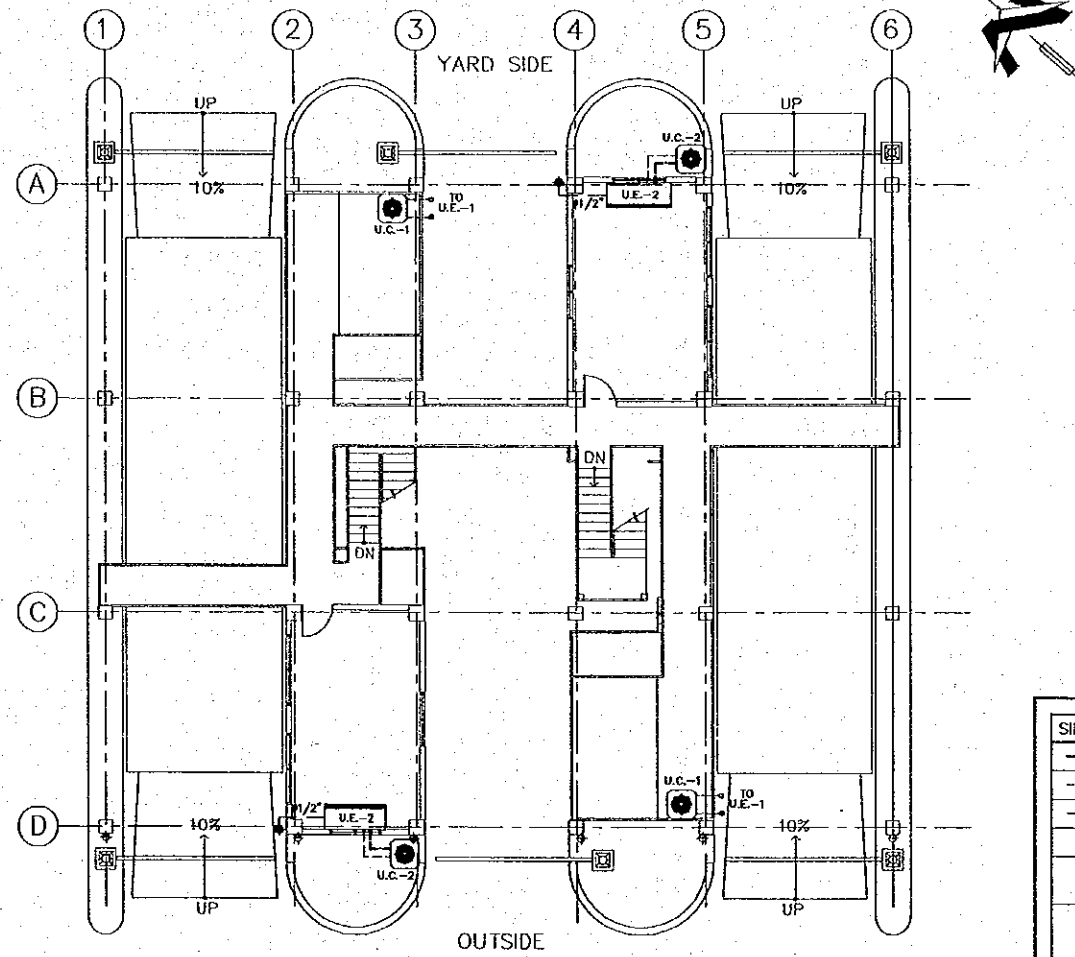
AIR CONDITIONING SYSTEM
SOUTHEAST ELEVATION

SCALE 1:200



AIR CONDITIONING SYSTEM
FIRST FLOOR PLAN

SCALE 1:200



AIR CONDITIONING SYSTEM
SECOND FLOOR PLAN

SCALE 1:200

SIMBOLOGY	DESCRIPTION
---	COLD WATER PIPES
---	SUCTION PIPES (PIPELINE)
---	DRAIN PIPES
U.E.-1	EVAPORATOR UNIT
U.C.-1	CONDENSATOR UNIT
U.C.-2	CONDENSATOR UNIT
U.C.-1	CEILING EXTRACTOR FOR BATHROOMS
E-4	WALL MOUNTED EXTRACTOR
■	GRILLE

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
NIPON KOEI CO., LTD.



DESIGNED BY :
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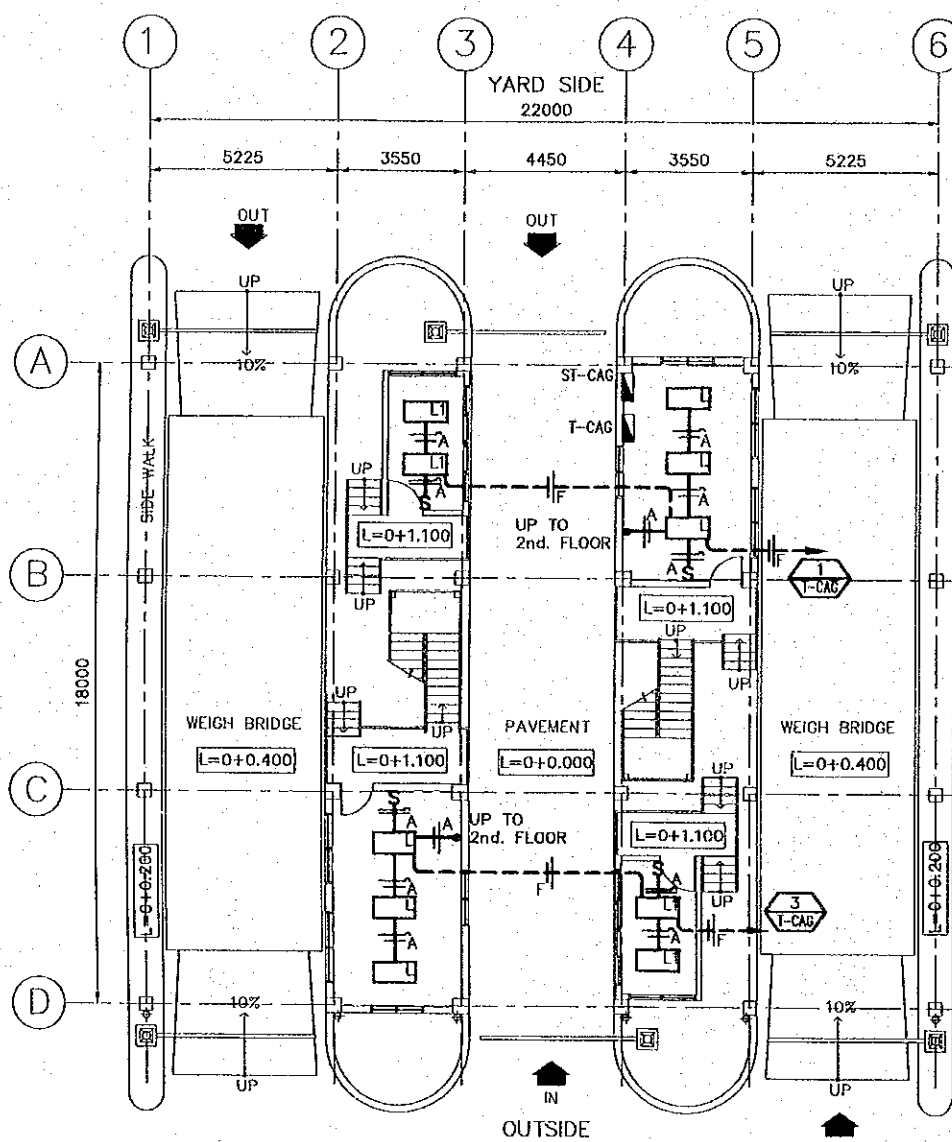
SECTION : BUILDING WORK
SUB-SECTION : CARGO GATE
TITLE : AIR CONDITIONING SYSTEM
FIRST & SECOND FLOOR
PLAN AND ELEVATIONS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-05-023

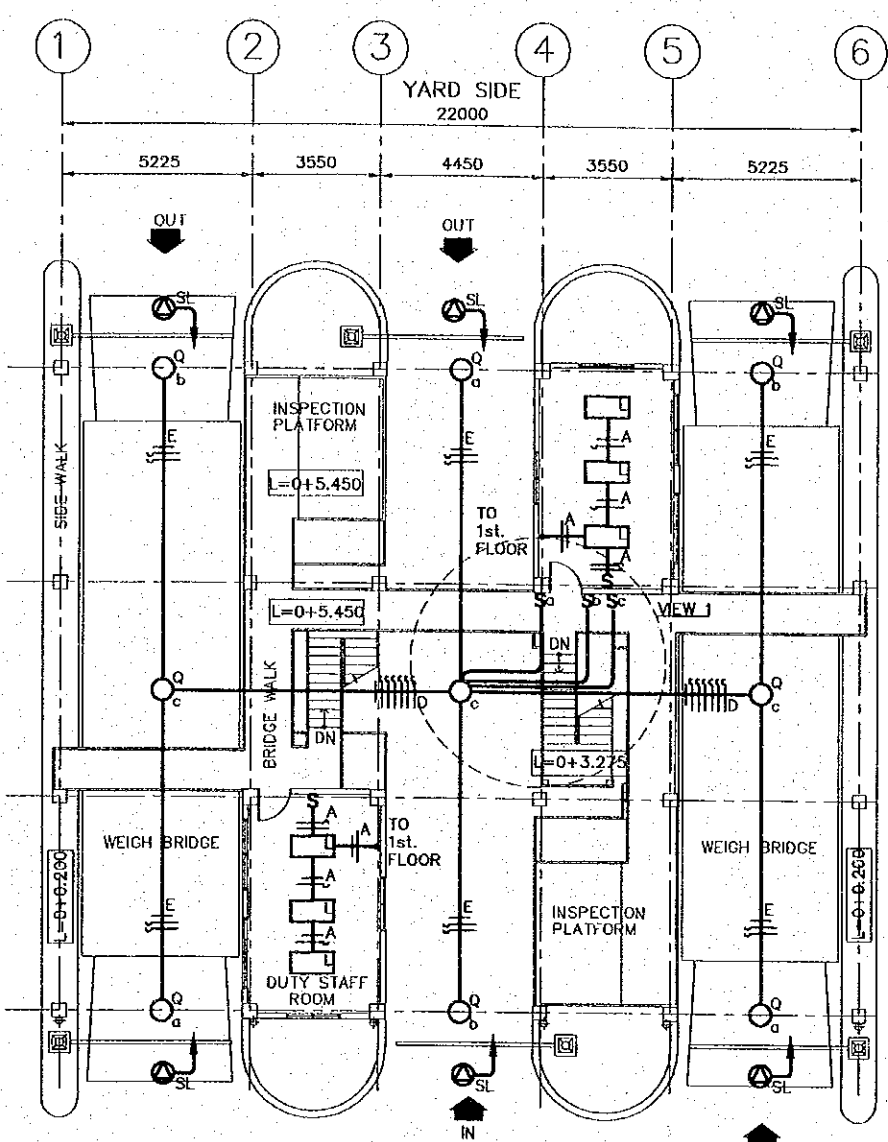
PANELBOARD SCHEDULE																		
PANEL		T-CAG			3 ϕ , 4 WIRE			SURFACE MOUNTED			125 AMPERE MAIN							
LOCATION		CARGO GATE									200 AMPERE BUS							
CT No.	WIRING	AMPERE			DESCRIPTION	CB		PHASE			CB		DESCRIPTION	AMPERE			WIRING	CT No.
		ϕ A	ϕ B	ϕ C		Pole	AIC	A	B	C	Pole	AIC		ϕ A	ϕ B	ϕ C		
1	2x5.3mm ²	7.80			Lighting offices	2	15				2	15	Outlets WB office	5.00		3x5.3mm ²	2	
3	2x5.3mm ²		7.80		Lighting offices	2	15				2	15	Outlets WB office	5.00		3x5.3mm ²	4	
5	3x5.3mm ²			6.60	Flood lightings	2	15				2	15	Outlets DS room	5.00		3x5.3mm ²	6	
7		6.60											Scale printer	2.00		3x5.3mm ²	8	
9	3x5.3mm ²		3.30		Outlets gate office	2	15				2	15	Scale printer	2.00		3x5.3mm ²	10	
11	3x5.3mm ²			3.30	Outlets gate office	2	15				2	15	Outlets DS room	5.00		3x5.3mm ²	12	
13	3x5.3mm ²	0.50			Weight bridge	2	15				2	15	Weight bridge	0.50		3x5.3mm ²	14	
15			0.50											0.50			16	
17	4x21.2mm ²			69.6	ST-CAG	3	100										18	
19		72.0															20	
21			69.6														22	
23																	24	
25																	26	
27																	28	
29																	30	
		94,4	TOTAL A/ ϕ A															
		88,7	TOTAL A/ ϕ B															
		89,5	TOTAL A/ ϕ C															
		28,706	TOTAL VA															

PANELBOARD SCHEDULE																		
PANEL		ST-CAG			3 ϕ , 4 WIRE			SURFACE MOUNTED			100 AMPERE MAIN							
LOCATION		CARGO GATE									150 AMPERE BUS							
CT No.	WIRING	AMPERE			DESCRIPTION	CB		PHASE			CB		DESCRIPTION	AMPERE			WIRING	CT No.
		ϕ A	ϕ B	ϕ C		Pole	AIC	A	B	C	Pole	AIC		ϕ A	ϕ B	ϕ C		
1	2x5.3mm ²	6.60			Flood lights	2	15				2	15	A/C WB office	16.8		3x8.4mm ²	2	
3			6.60								2	15		16.8			4	
5	3x5.3mm ²			6.60	Flood lights	2	15				2	15	A/C DS room		16.8	3x8.4mm ²	6	
7		6.60												16.8			8	
9	3x8.4mm ²		16.8		A/C WB office	2	15				2	15	A/C DS room	16.8		3x8.4mm ²	10	
11				16.8							2	15			16.8		12	
13	3x8.4mm ²	12.8			A/C gate office	2	15										14	
15			12.8														16	
17	3x8.4mm ²			12.6	A/C gate office	2	15										18	
19		12.6															20	
21																	22	
23																	24	
25																	26	
27																	28	
29																	30	
		72,0	TOTAL A/ ϕ A															
		69,6	TOTAL A/ ϕ B															
		69,6	TOTAL A/ ϕ C			PLC CONTROLLED												
		21,986	TOTAL VA			(TELEMAND MOTOR-DRIVE SWITCH)												

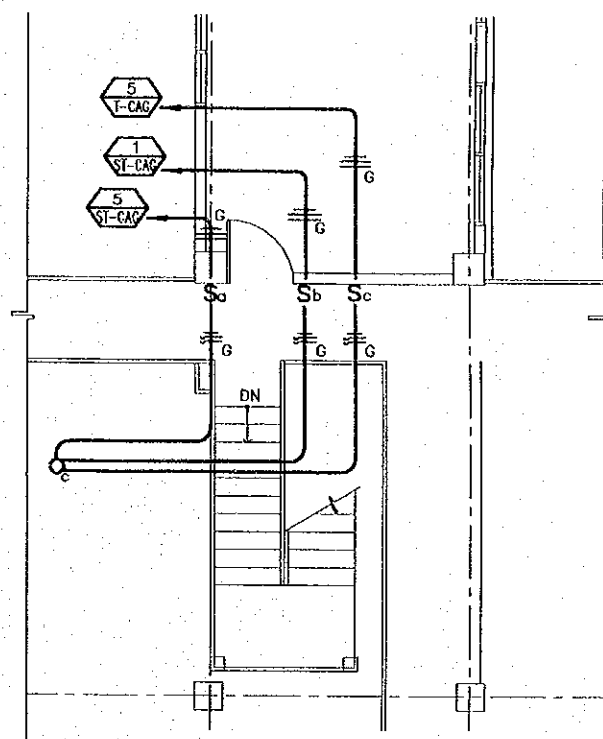
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY : CHECKED BY : APPROVED BY :	SECTION : BUILDING WORK SUB-SECTION : CARGO GATE TITLE : PANELBOARD SCHEDULE	DATE : OCTOBER/2002 SCALE : NOT TO SCALE DRAWING NO. : BD-05-024
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LIGHTING FIRST FLOOR PLAN
SCALE 1:200



LIGHTING SECOND FLOOR PLAN
SCALE 1:200



VIEW 1
SCALE 1:100

WIRING SYMBOLOLOGY

SYMBOL	WIRING/DUCTING
A	2 - 2.1 mm ² ϕ 13mm
D	7 - 3.3 mm ² ϕ 19mm
E	2 - 3.3 mm ² ϕ 13mm 1 - 2.1 mm ²
F	2 - 5.3 mm ² ϕ 19mm
G	2 - 5.3 mm ² ϕ 19mm 1 - 3.3 mm ²

SYMBOLS

- FLUORESCENT 3X32W WRAP AROUND SURFACE MOUNTED
- FLUORESCENT 4X32W WRAP-AROUND SURFACE MOUNTED
- 400W/208V MH HIGH MAST
- PANELBOARD
- SWITCH
- CONNECTION BOX FOR SIGN LIGHT TO CONTROL BOX ON GATE OFFICE
- WIRING CONCEALED IN CEILING OR WALL
- SWITCH LEG, PHASE, NEUTRAL
- CIRCUIT FEEDER
- CIRCUIT NUMBER # FROM PANELBOARD

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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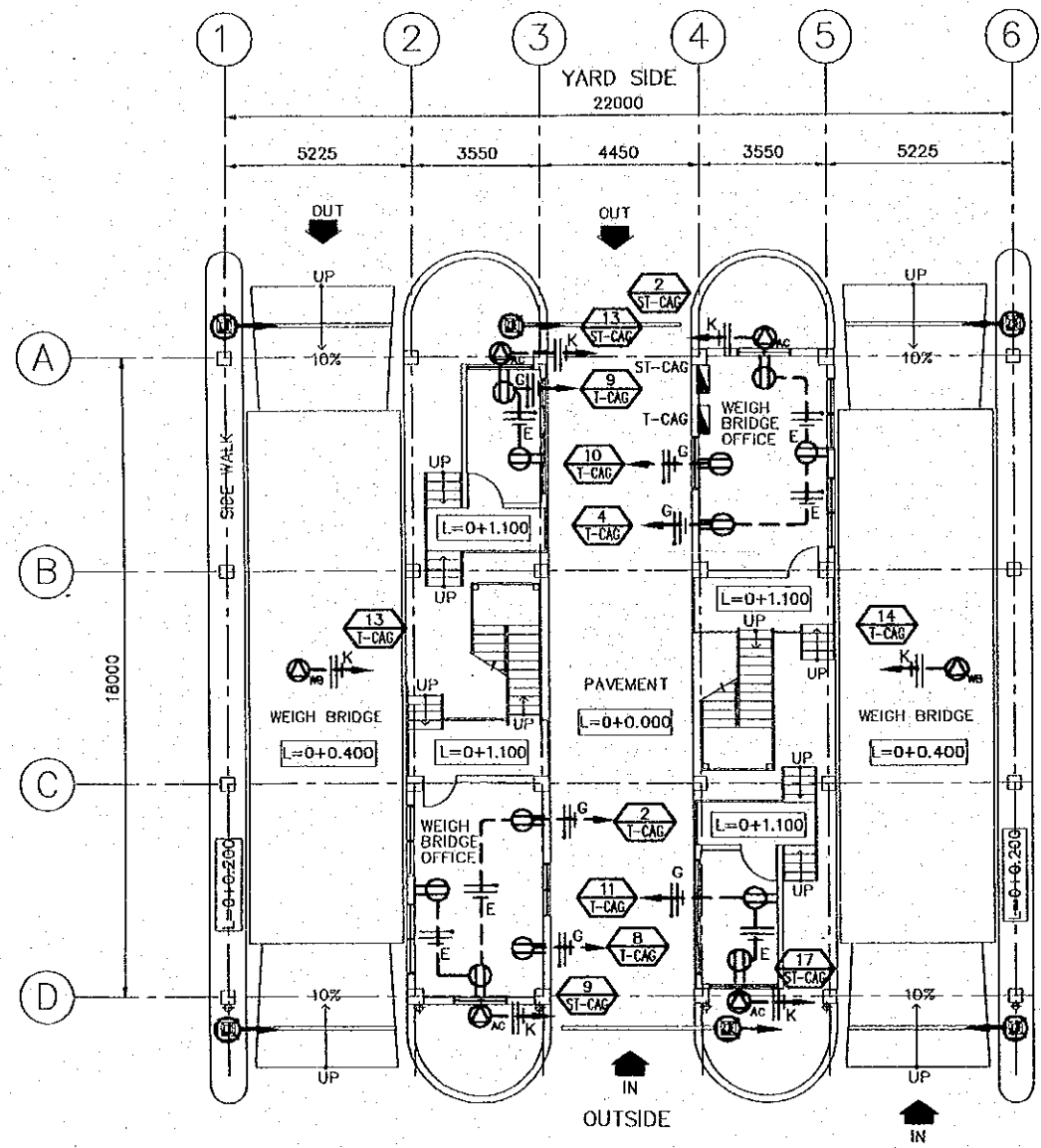
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

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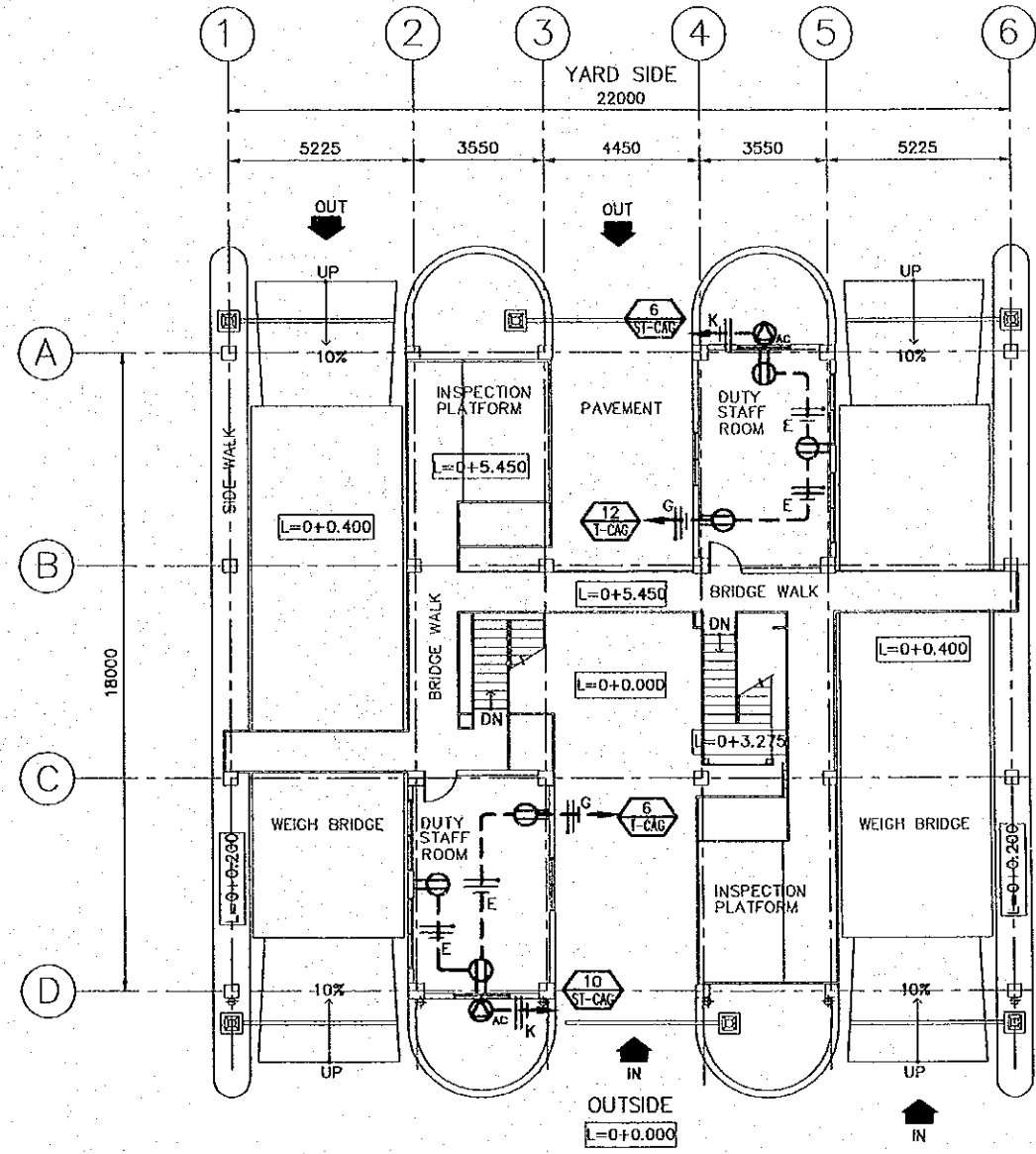
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : CARGO GATE
TITLE : LIGHTING FIRST AND SECOND FLOOR PLANS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-05-025



OUTLETS FIRST FLOOR PLAN
SCALE 1:200



OUTLET SECOND FLOOR PLAN
SCALE 1:200

WIRING SYMBOLY
WIRING/DUCTING

E	2 - 3.3 mm ² ∅ 13mm
	1 - 2.1 mm ²
G	2 - 5.3 mm ² ∅ 19mm
	1 - 3.3 mm ²
K	2 - 8.4 mm ² ∅ 19mm
	1 - 5.3 mm ²

SYMBOLS

	DUPLEX RECEPTACLE 120 V		WIRING CONCEALED IN FLOOR
	JUNCTION BOX FOR CLOSING GATE TO CONTROL BOX ON GATE OFFICE		WIRING CONCEALED IN CEILING
	CONNECTION FOR AIR CONDITIONING UNIT 208V, 1-PHASE		PANELBOARD
	CONNECTION FOR WEIGH BRIDGE 208V-1PHASE		NEUTRAL, PHASE, GROUNDING
			CIRCUIT NUMBER # FROM PANELBOARD

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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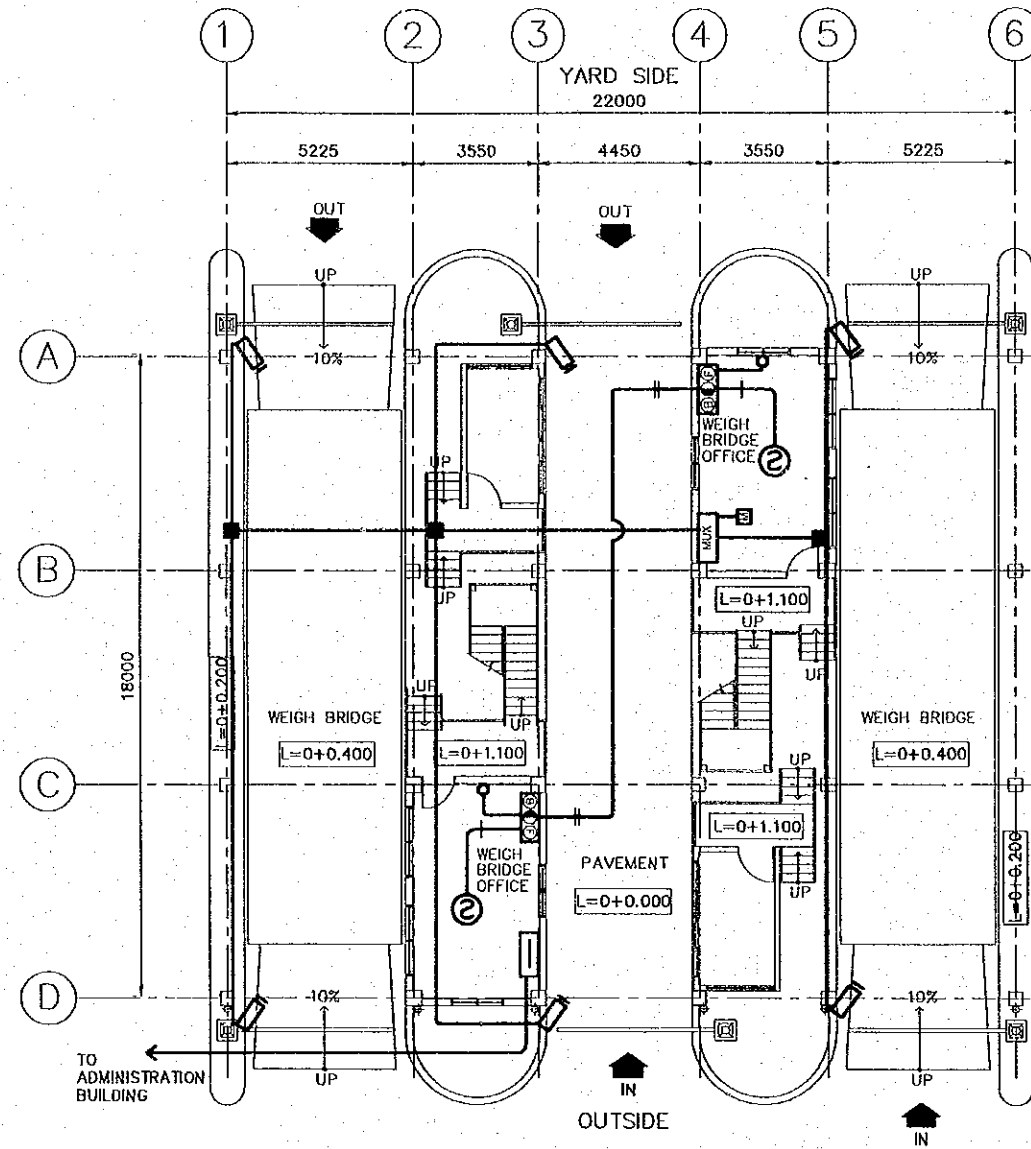
THE DETAILED DESIGN
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IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NKK
NIPPON KOEI CO., LTD.

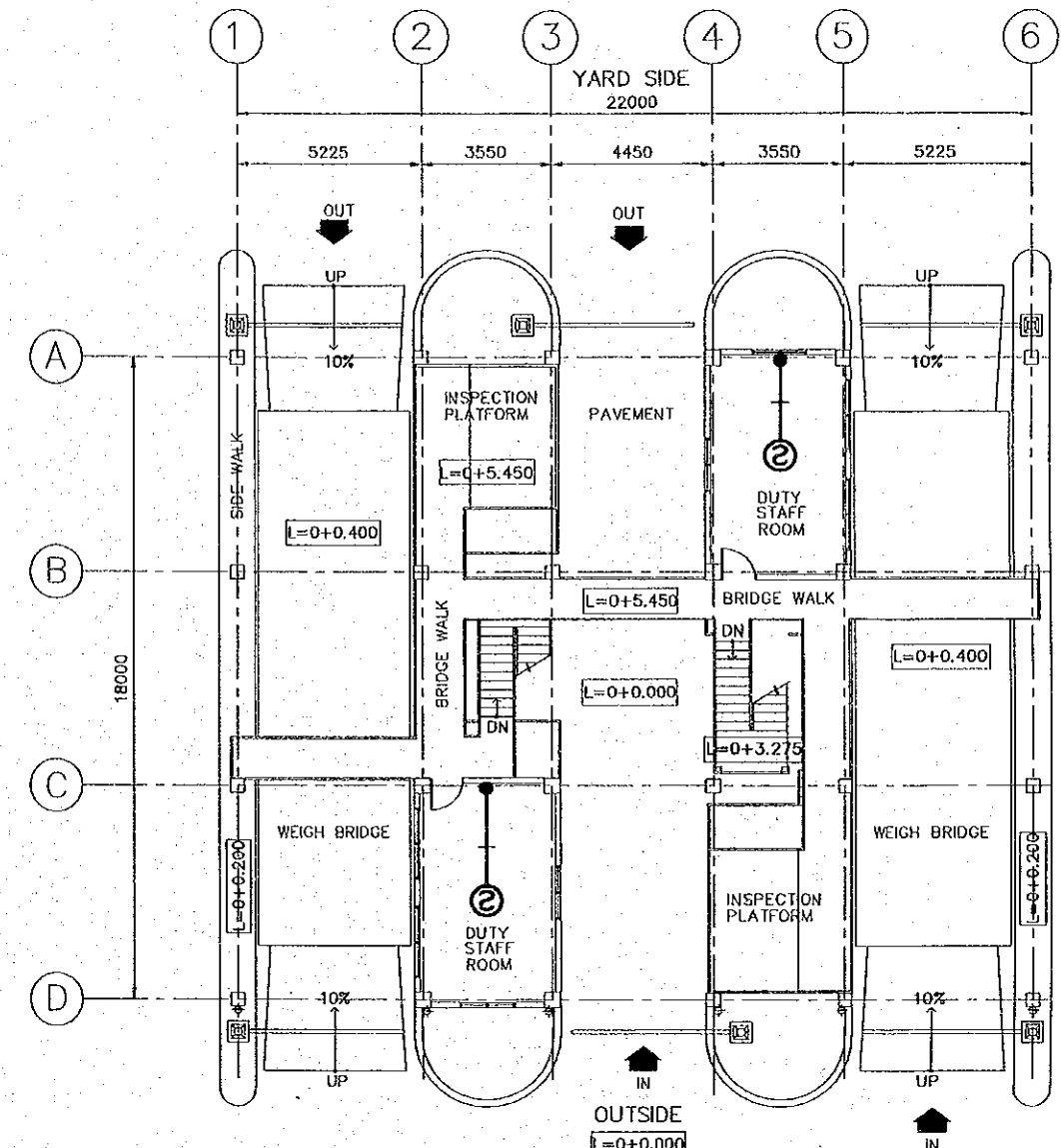
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : CARGO GATE
TITLE : OUTLETS FIRST AND SECOND FLOOR PLANS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-05-026



FIRE DETECTION SYSTEM
FIRST FLOOR PLAN
SCALE 1:200



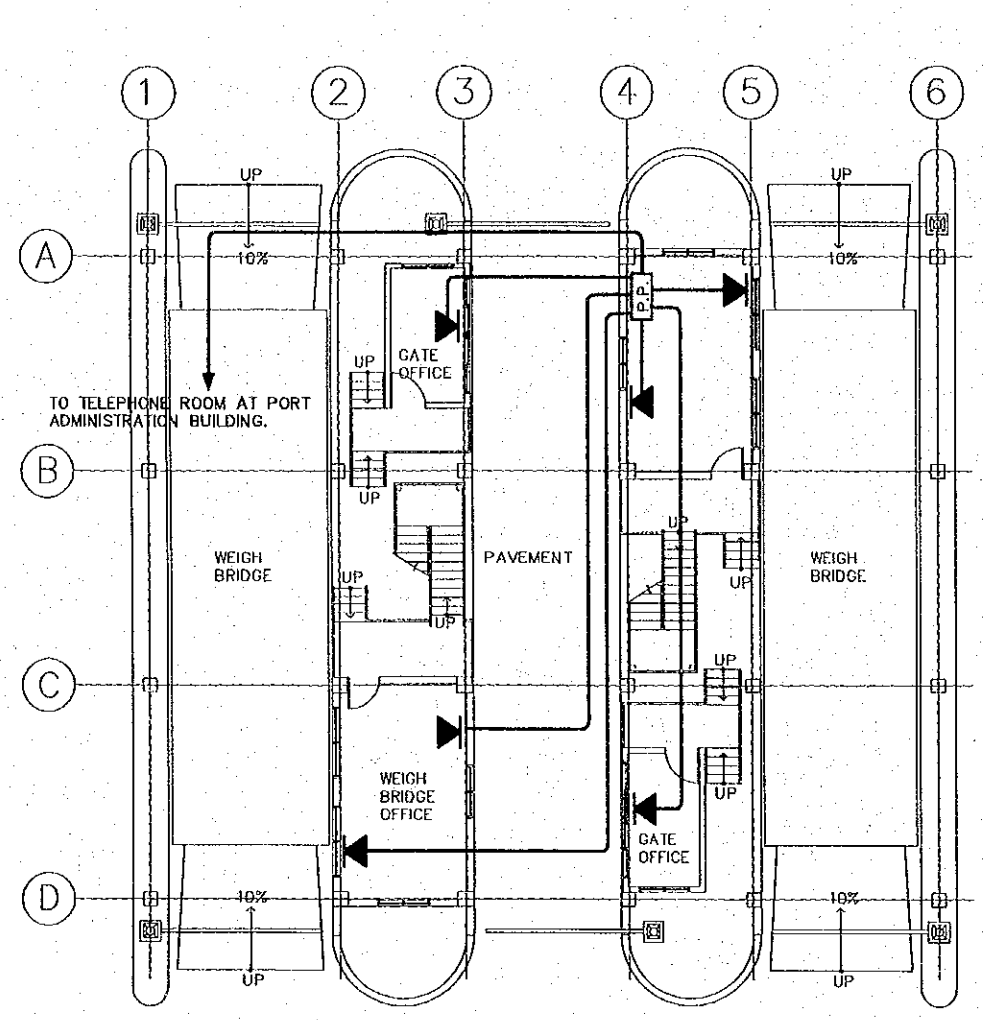
FIRE DETECTION SYSTEM
SECOND FLOOR PLAN
SCALE 1:200

NOTES :

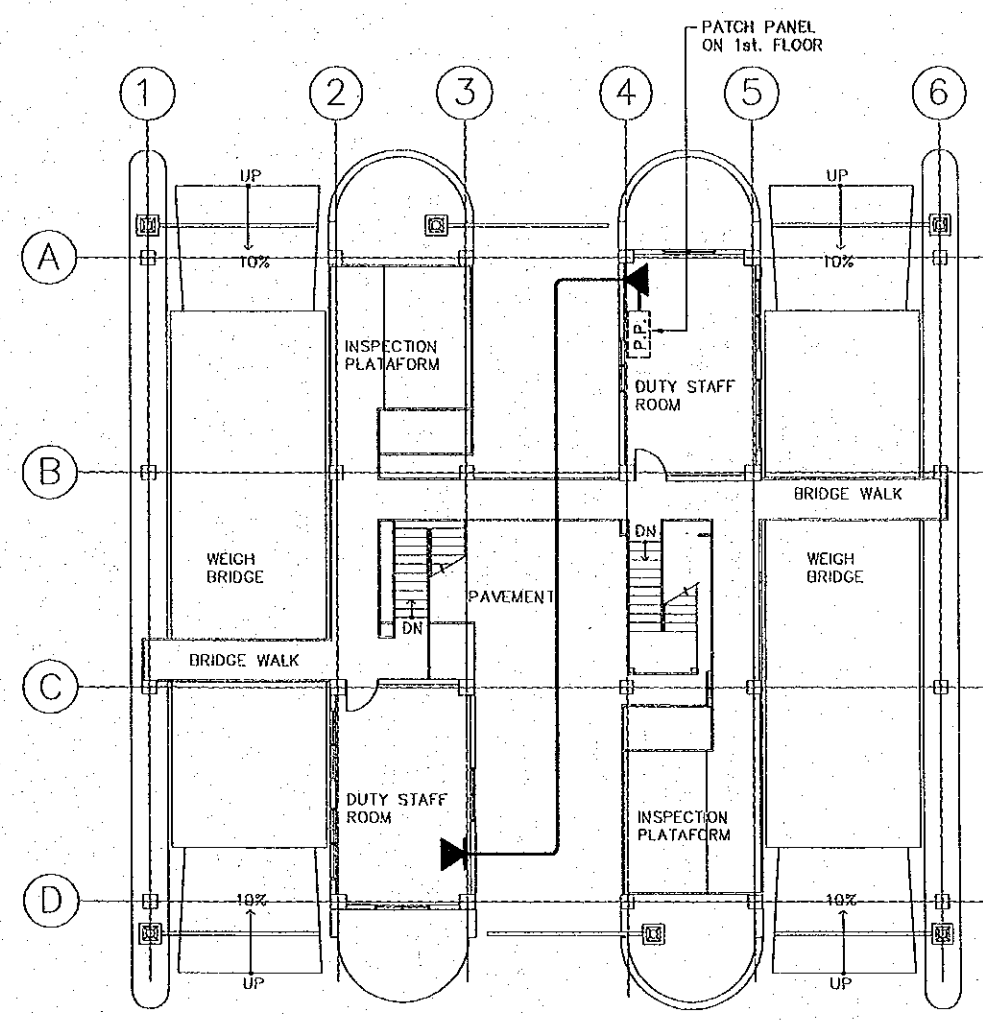
- 1. CCTV SYSTEM INCLUDE ONLY INSTALLATION OF EMPTY PIPES.
- 2. CCTV SYSTEM EQUIPMENT SUPPLY BY OTHERS.
- 3. CONTRACTOR SHALL PROVIDE EMPTY PIPES AS FOLLOW :
 - * TWO 25mm. PIPES FROM EACH WEIGH BRIDGE OFFICE TO UNDER ROOF.
 - * TWO 25mm. PIPES FROM EACH GATE OFFICE TO UNDER ROOF.
 - * TWO 51mm. PIPES FROM CARGO GATE TO PORT ADMINISTRATION BUILDING.

SYMBOLS	LEGEND
	SMOKE/HEAT DETECTOR
	COMBINATION PANEL
	CAMERA (NIC)
	MULTIPLEXER (NIC)
	TERMINAL PANELBOARD
	MONITOR (NIC)
	WRING TURNED DOWN
	WRING TURNED UP
	PULL BOX

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	DATE : OCTOBER/2002
					CHECKED BY :			SUB-SECTION : CARGO GATE	TITLE : FIRE DETECTION SYSTEM 1ST & 2ND FLOOR PLANS	SCALE : 1 : 200
					APPROVED BY :					DRAWING NO. : BD-05-027



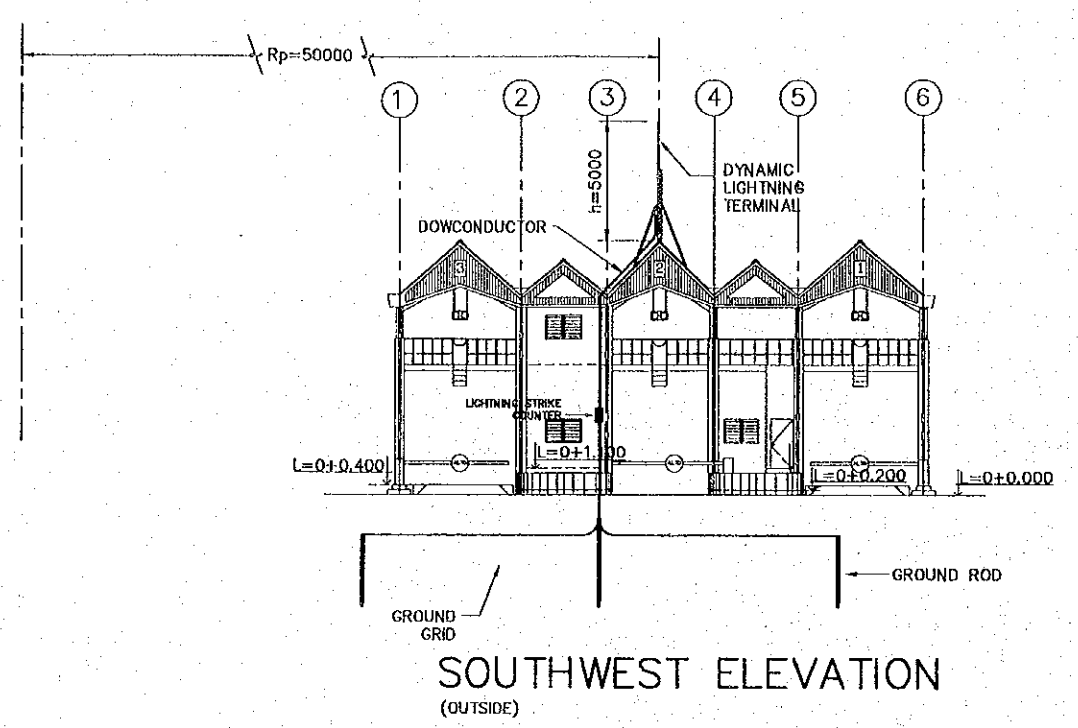
COMMUNICATION SYSTEM
FIRST FLOOR
SCALE 1:200



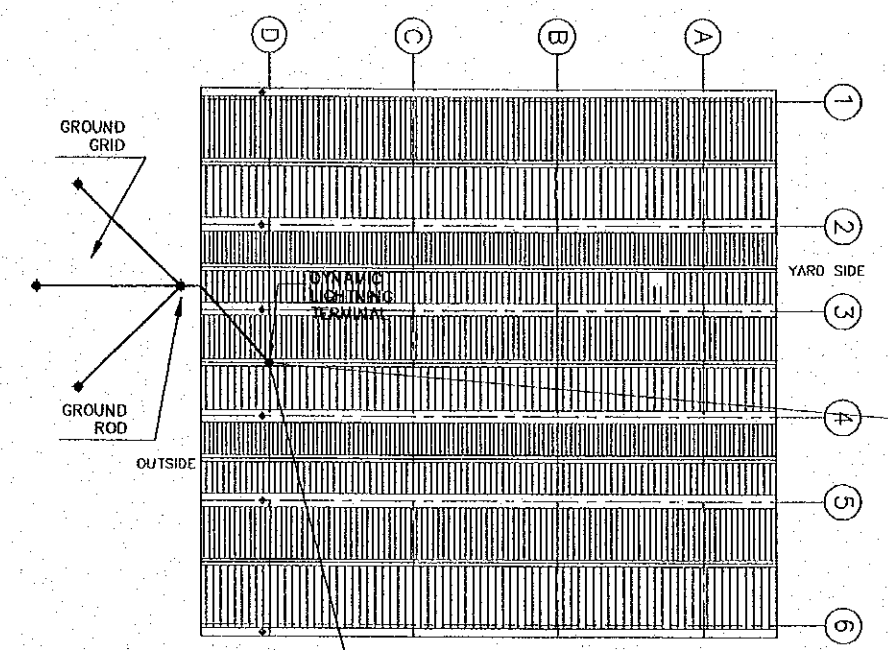
COMMUNICATION SYSTEM
SECOND FLOOR
SCALE 1:200

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

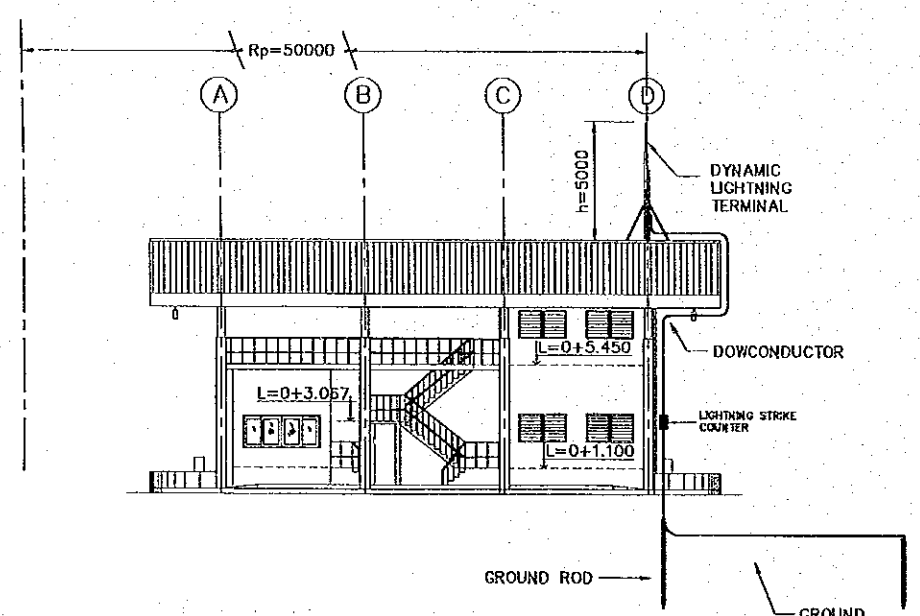
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : CARGO GATE	SCALE : 1 : 200
								APPROVED BY :	TITLE : COMMUNICATION SYSTEM 1st & 2nd FLOOR PLAN	DRAWING NO : BD-05-028



SOUTHWEST ELEVATION
(OUTSIDE)



ROOF PLAN



NORTHWEST ELEVATION

LIGHTNING PROTECTION SYSTEM ELEVATIONS & ROOF PLAN

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

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

Cepa
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

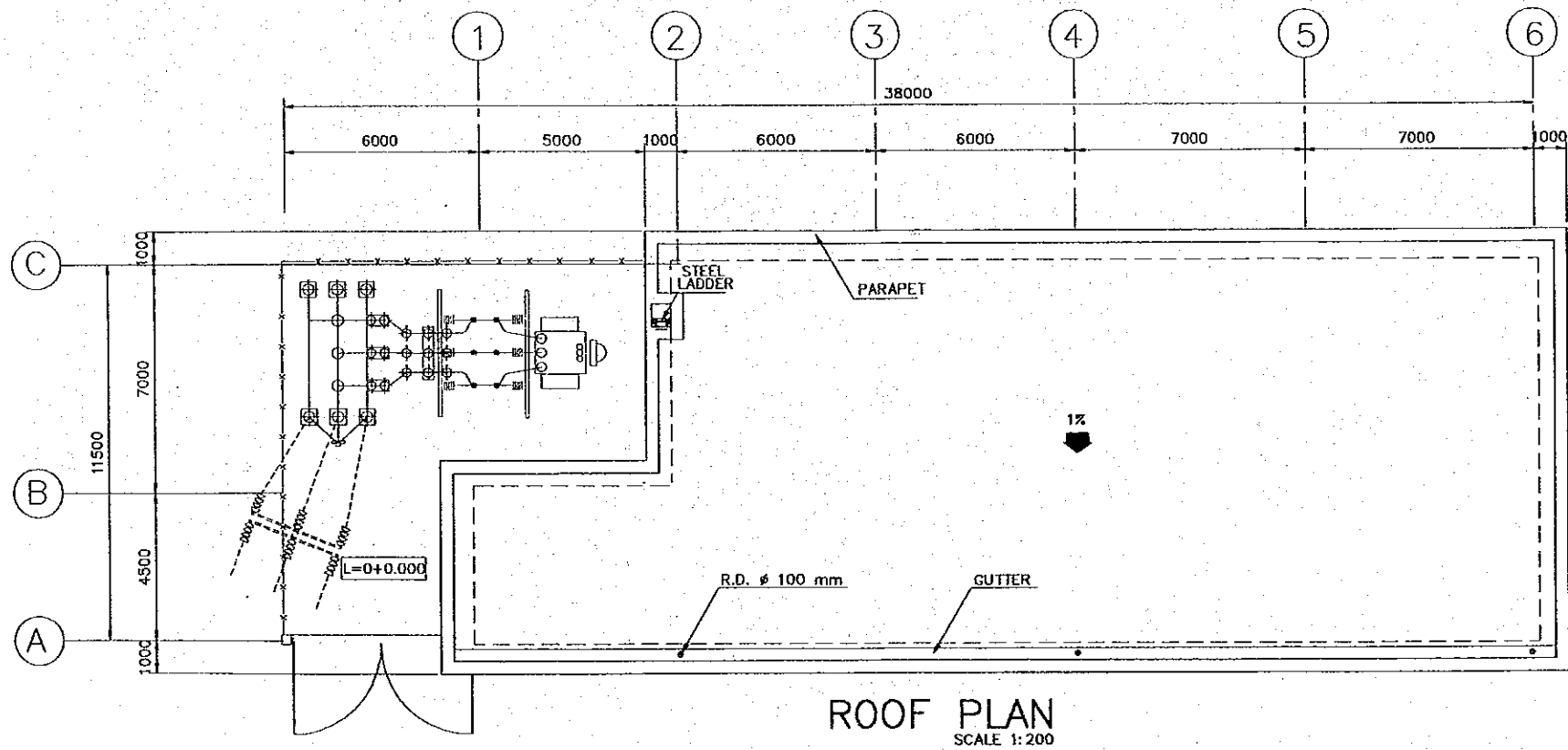
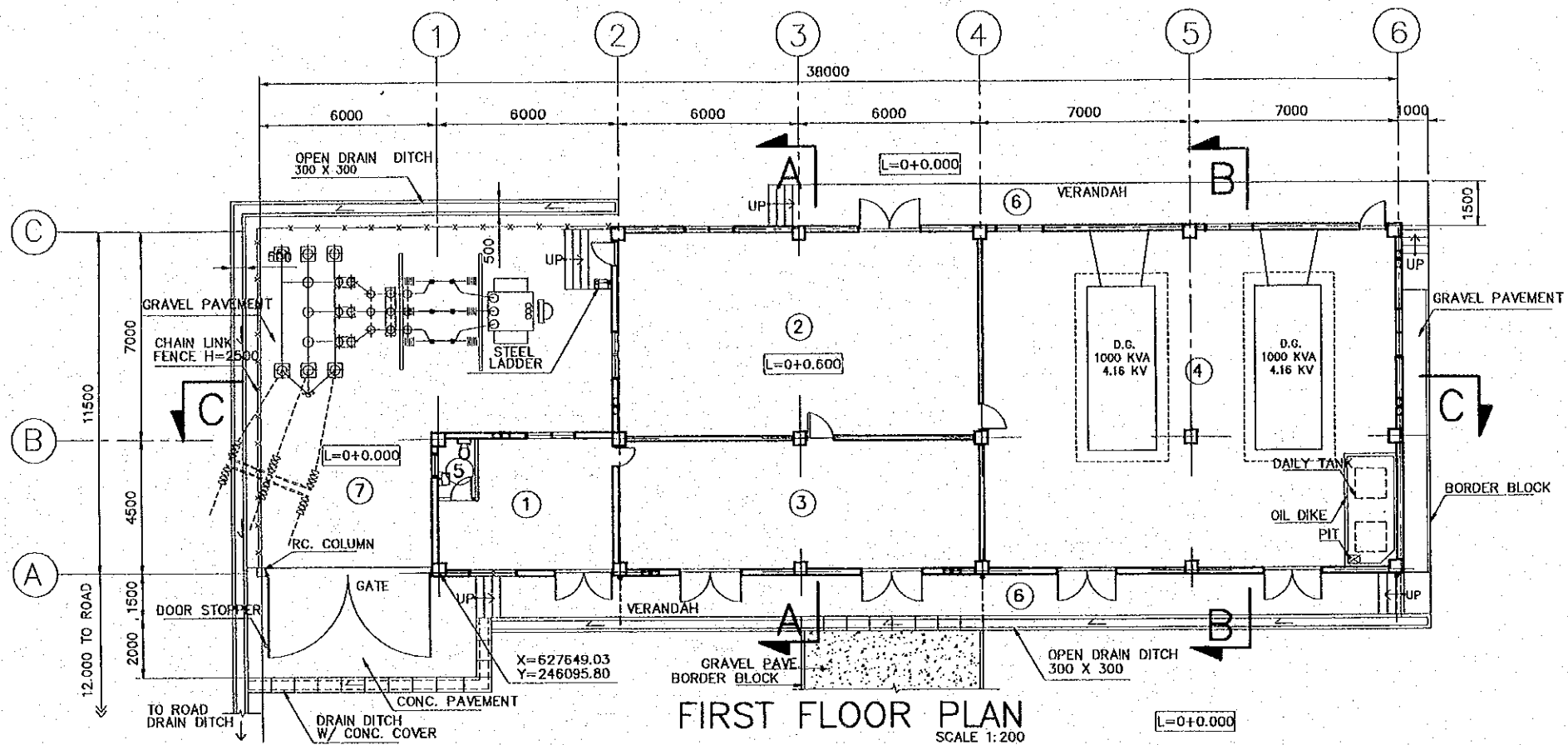
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

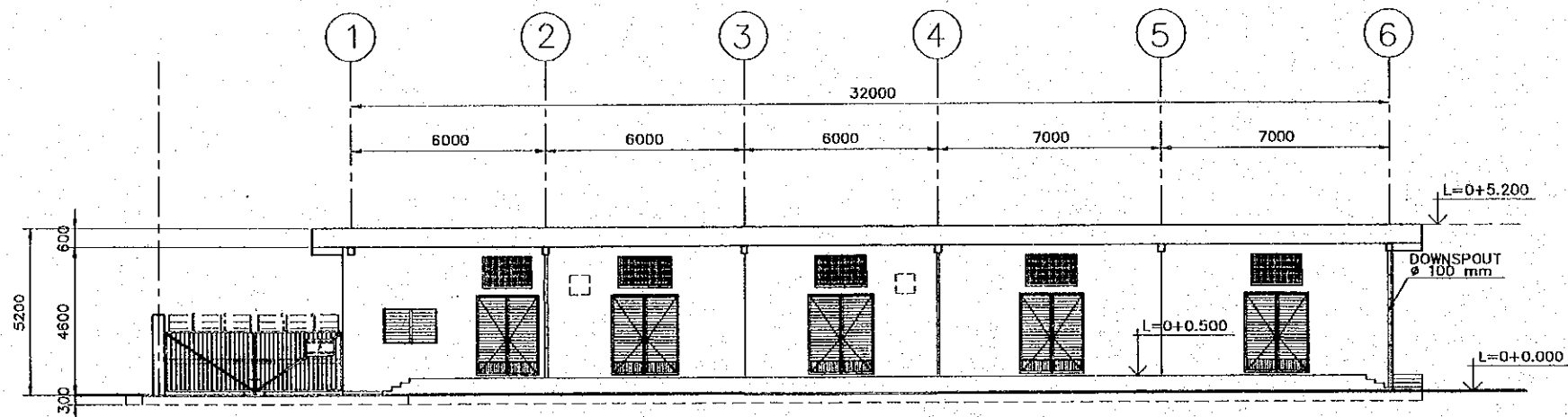
SECTION : BUILDING WORK
SUB-SECTION : CARGO GATE
TITLE : LIGHTNING PROTECTION SYSTEM ELEVATIONS & ROOF PLAN

DATE : OCTOBER/2002.
SCALE : 1 : 300
DRAWING NO. : BD-05-029

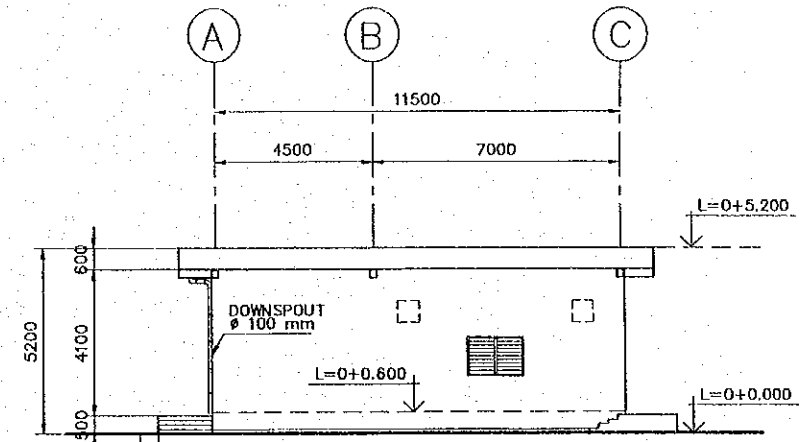


LEGEND	
①	OFFICE ROOM
②	SWITCHGEAR ROOM
③	TRANSFORMER ROOM
④	GENERATOR ROOM
⑤	TOILET
⑥	SIDEWALK
⑦	TRANSFORMER YARD

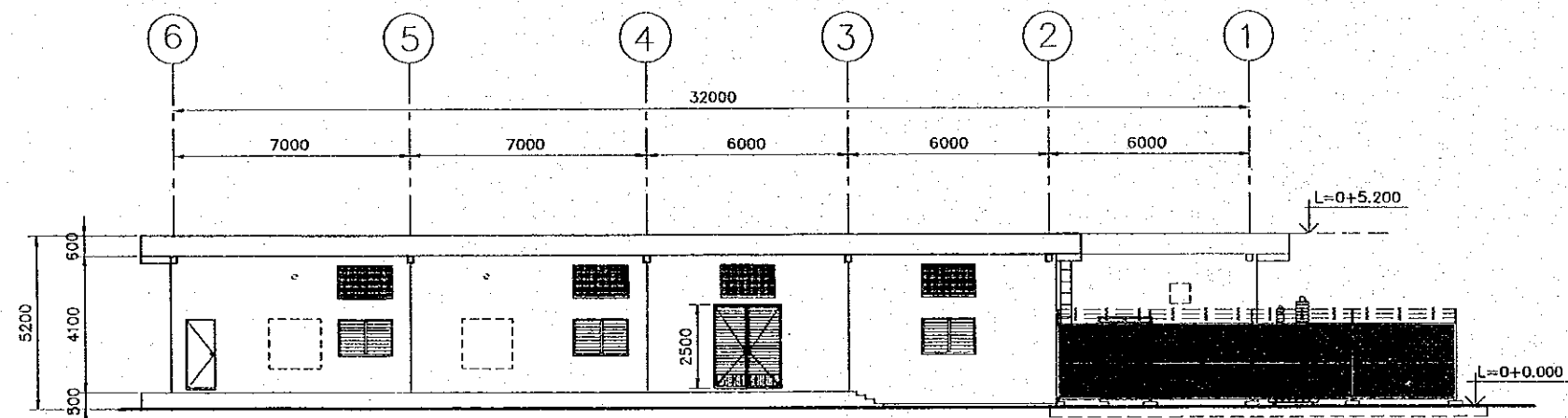
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : POWER SUPPLY STATION	SCALE : 1:200
								APPROVED BY :	TITLE : FIRST FLOOR AND ROOF PLAN	DRAWING NO: BD-06-001



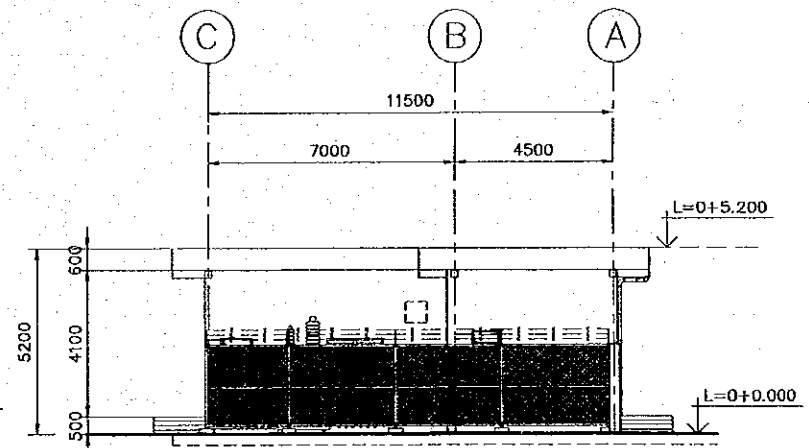
SOUTHEAST ELEVATION
SCALE 1:200





NORTHEAST ELEVATION
SCALE 1:200

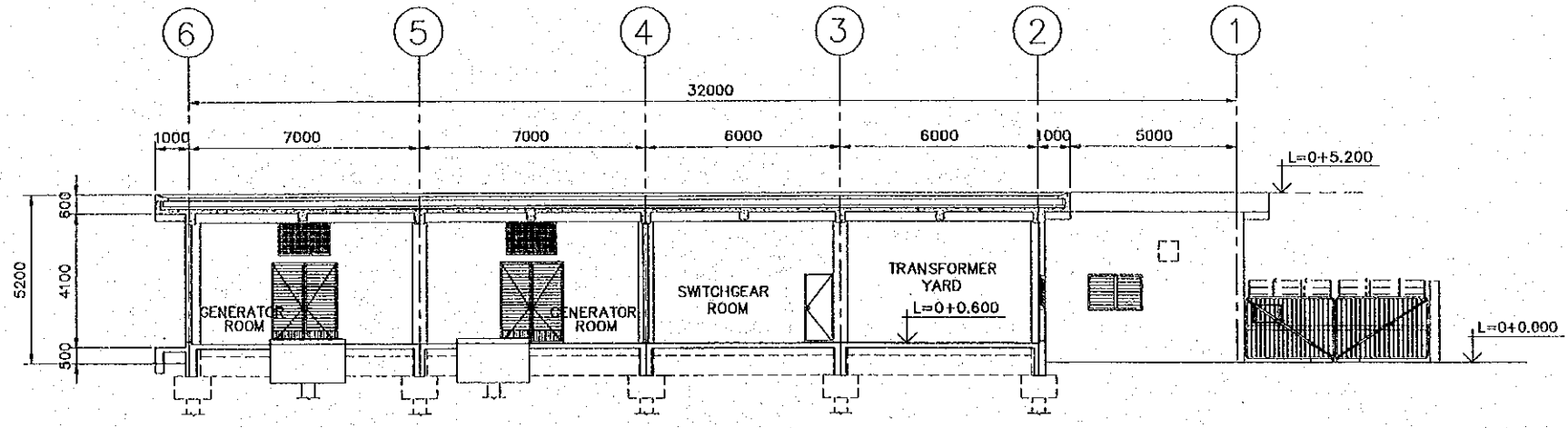


NORTHWEST ELEVATION
SCALE 1:200

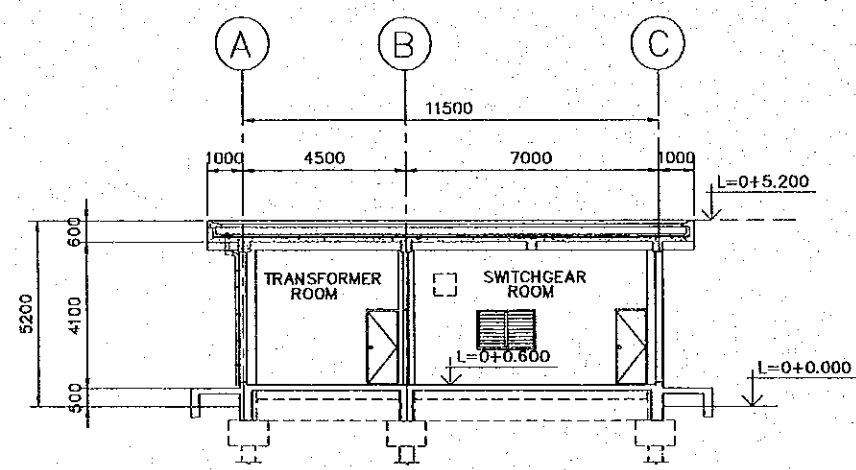


SOUTHWEST ELEVATION
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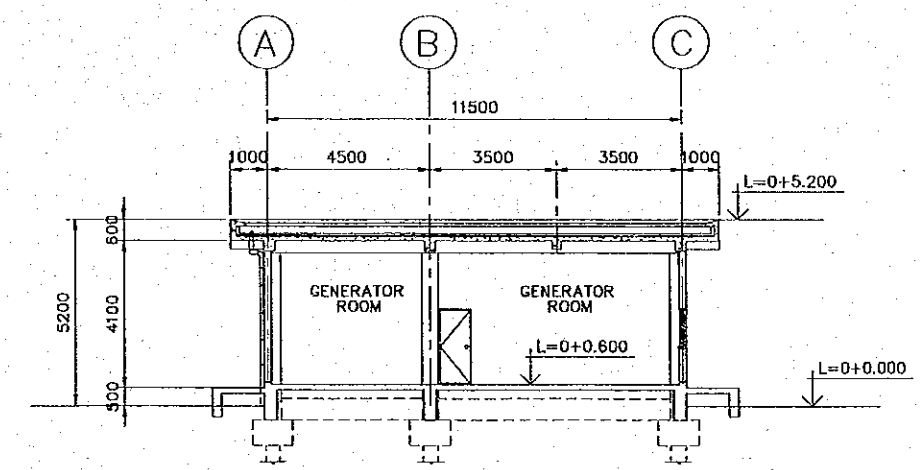
REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK SUB-SECTION : POWER SUPPLY STATION TITLE : NORTHWEST, NORTHEAST, SOUTHWEST ELEVATIONS	DATE : OCTOBER/2002
										SCALE : 1:200							
										DRAWING NO. : BD-05-002							






SECTION C-C
SCALE 1:200

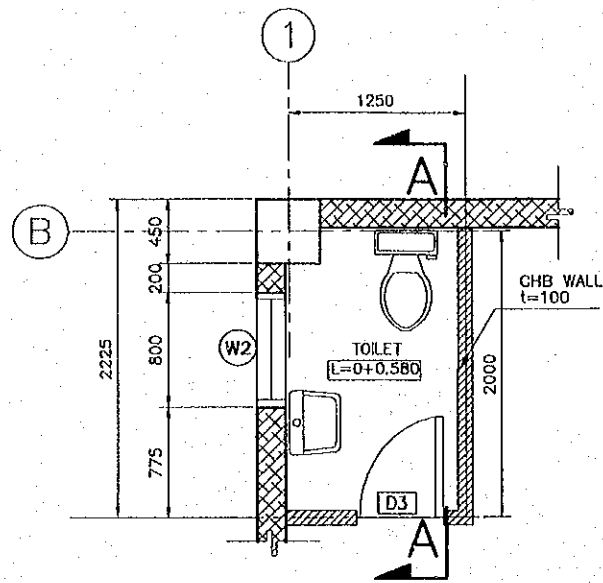


SECTION A-A
SCALE 1:200

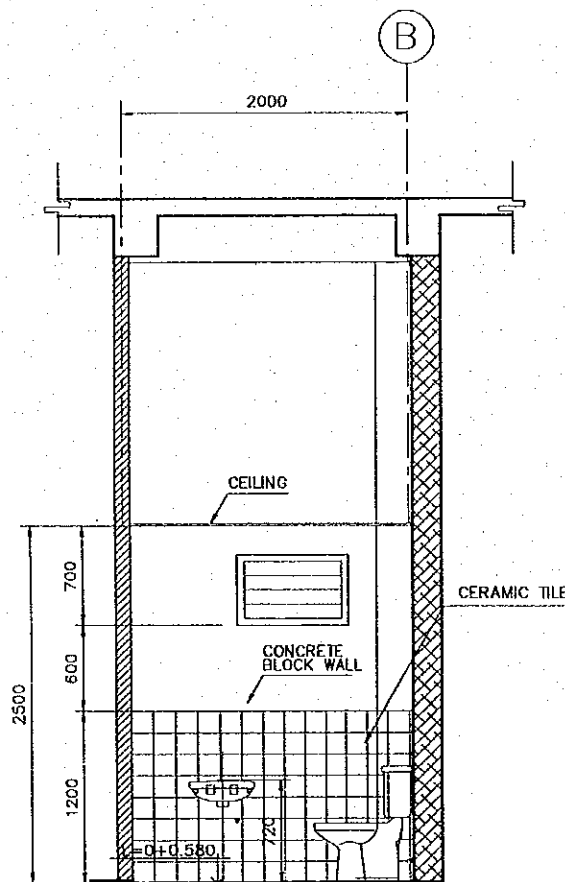


SECTION B-B
SCALE 1:200

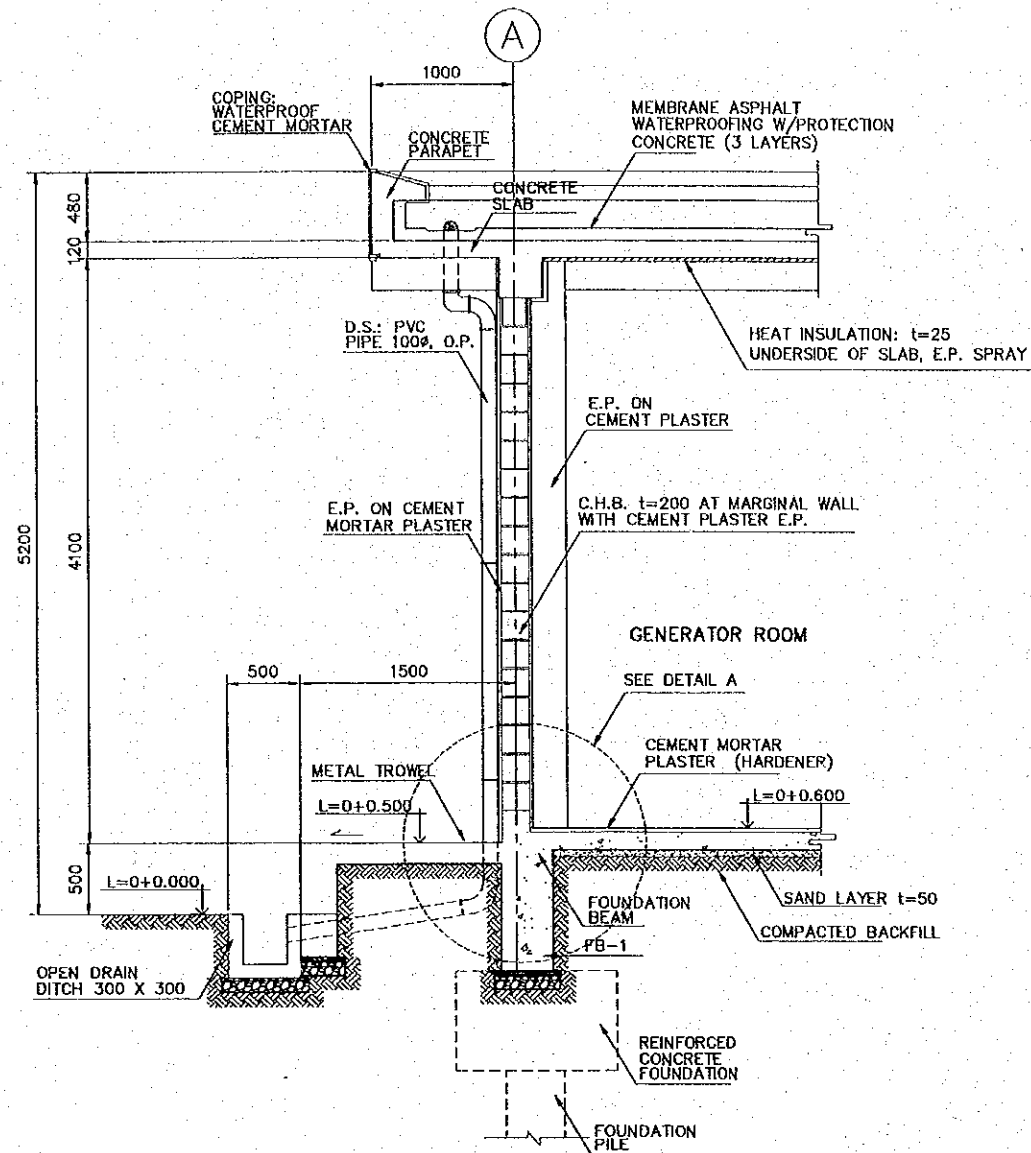
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 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)																 NIPPON KOEI CO., LTD.
													DRAWING NO: BD-05-003			



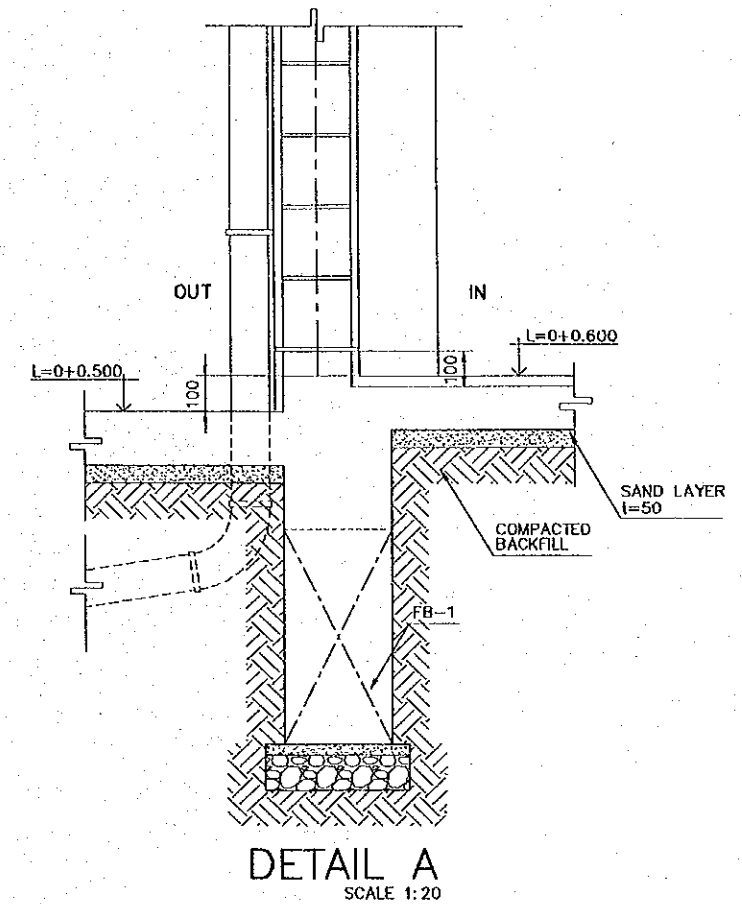
TOILET DETAIL PLAN
SCALE 1:50



SECTION A-A
SCALE 1:50



SECTION DETAIL
SCALE 1:50






DETAIL A
SCALE 1:20

GENERAL ABBREVIATION	
D.S.:	DOWNSPOUT
E.P.:	EMULSION PAINT
C.H.B.:	CONCRETE HOLLOW BLOCK

LEGENDS	
[Symbol]	RC WALL t=200
[Symbol]	CONCRETE BLOCK WALL t=200
[Symbol]	CONCRETE BLOCK WALL t=150
[Symbol]	CONCRETE BLOCK WALL t=100
[Symbol]	LIGHT GAGE PARTITION
[Symbol]	TOILET SCREEN

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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

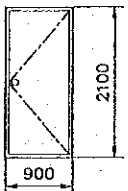
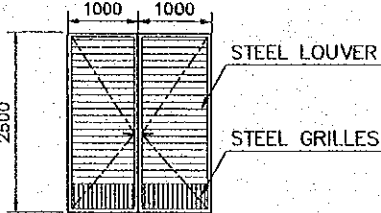
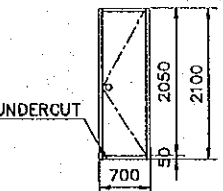
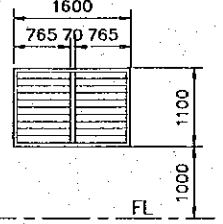
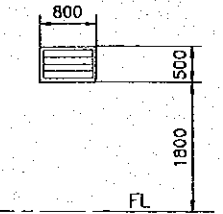
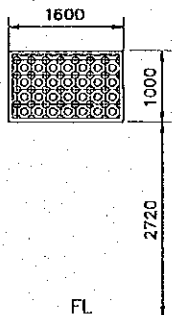
THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
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 NIPPON KOEI CO., LTD.

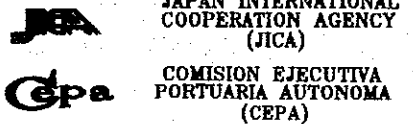

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : BUILDING WORK
 SUB-SECTION : POWER SUPPLY STATION
 TITLE : ARCHITECTURAL DETAIL SECTION

DATE : OCTOBER/2002
 SCALE : 1:50
 DRAWING NO. : BD-06-004

DOOR AND WINDOW SCHEDULE POWER SUPPLY STATION

SYMBOL & TYPE		D1 STEEL FLUSH DOOR		D2 STEEL DOOR WITH STEEL LOUVER		D3 WOOD FLUSH DOOR	
FIGURE & DIMENSIONS							
SIZE	THK.	900 X 2100	100 (40)	2000 X 2100		700 X 2100	120 (40)
QUANTITY		5 SETS		6 SETS		1 SET	
GLASS				NONE		NONE	
HARDWARE		125 MM. BUTT HINGES, DOOR CLOSER, CYLINDRICAL LOCK W/ KNOB, DOOR STOP		150 MM BUTT HINGES, METAL LOUVER, LOCK LEVER HANDLE, DOOR BOLTS, STOPPER		125 MM BUTT HINGES, DOOR RIM CYLINDRICAL LOCK/KNOB, DOOR RELEASE, COAT HOOK	
PAINTING		OIL PAINT		OIL PAINT		OIL PAINT	
DESCRIPTION		STAINLESS SILL; 40 X 15 X 2.0, STEEL SILL (EXTERIOR)		STEEL SILL, INSECT SCREEN TO ALL		HARD WOOD FRAMES	
SYMBOL & TYPE		W1 STEEL FRAMED LOUVER WINDOW		W2 STEEL FRAMED LOUVER WINDOW		W3 CONCRETE LATTICE WINDOW	
FIGURE & DIMENSIONS							
SIZE	THK.	1600 X 1100	800 X 500	100	2500 X 1000		
QUANTITY		7 SETS		1 SET		9 SETS	
GLASS		6.8 MM FIGURED GLASS		6.8 MM FIGURED GLASS		NONE	
HARDWARE		GLASS BLADE ADJUSTERS		GLASS BLADE ADJUSTERS		NONE	
PAINTING		PAINT		PAINT		OIL PAINT	
DESCRIPTION		STEEL GRILLES OUTSIDE, INSECT SCREEN		STEEL GRILLES OUTSIDE, INSECT SCREEN		STORM PROOFED CONCRETE LATTICE WINDOW, INSECT SCREEN	




REV. NO.	DATE	COORDINATE			BY	APPROVED	DATE			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	
									 NIPPON KOEI CO., LTD.				CHECKED BY:	SUB-SECTION : POWER SUPPLY STATION		SCALE : 1 : 100		
													APPROVED BY:	TITLE : WINDOWS AND DOORS SCHEDULE		DRAWING NO. : BD-06-005		

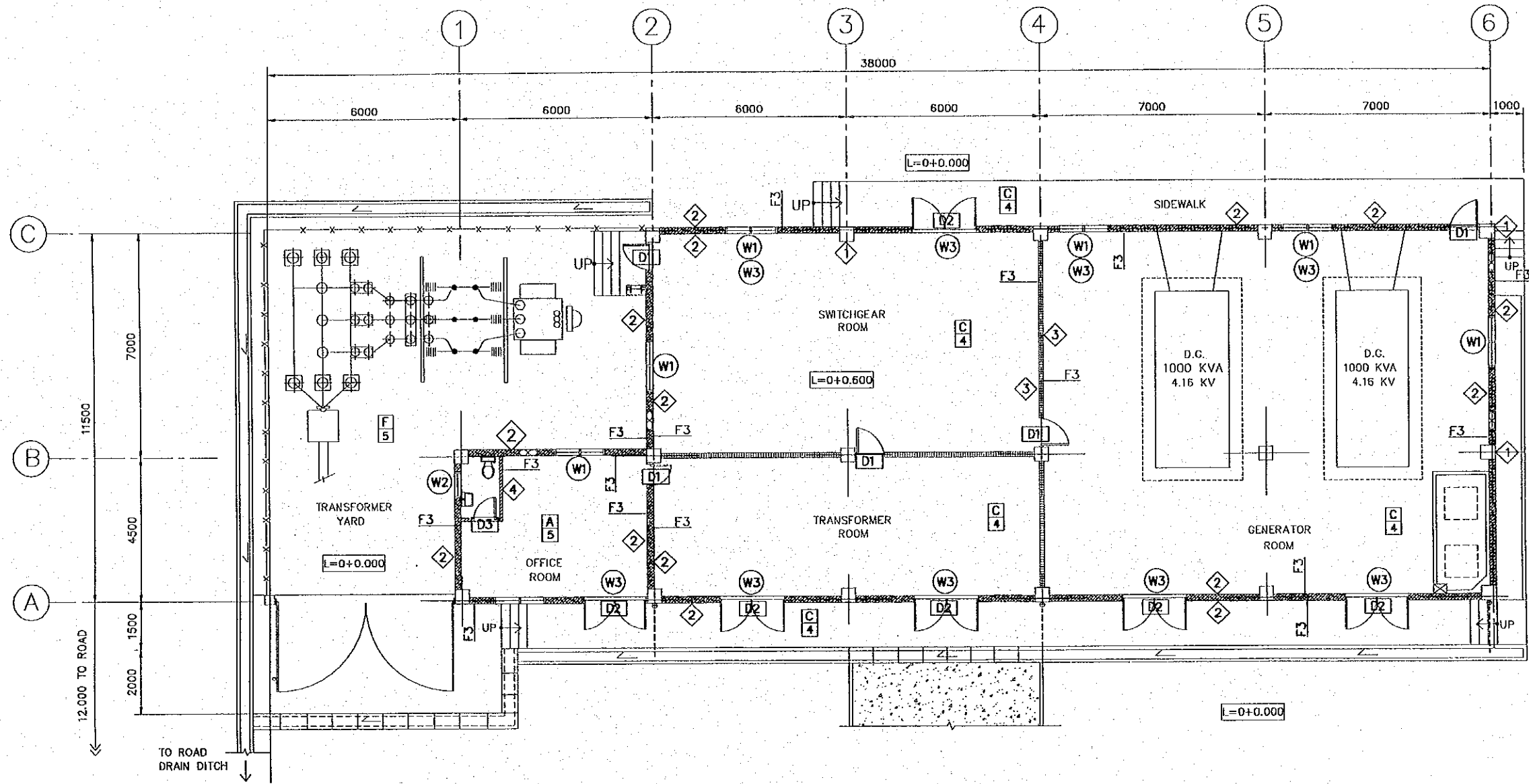
ROOM FINISH SCHEDULE
POWER SUPPLY STATION

STORY	ROOM	FLOOR								WALL												CEILING					REMARKS															
		MATERIAL				FINISHES				SKIRTING				MATERIAL								FINISHES TYPE			MATERIAL			FINISHES			HEIGHT											
		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10	11	12	F1	F2	F3	F4	F5		F6	F7	A	B	C	D	E	MTS.							
1.	FIRST FLOOR	REINFORCED CONCRETE.	STEEL STROWEL	AS YARD PAVEMENT	NATURAL SOIL	CARPETING ON CEMENT MORTAR	GRANITE STONE TILE	CERAMIC TILE	CEMENT MORTAR PLASTERING	NATURAL GRASS	HARDENER	CEMENT MORTAR PLASTERING, H=100MM	WOOD, (PAINT), H=100 MM	CERAMIC TILE, H=100 MM	GRANITE TILE H=100 MM	REINFORCED CONCRETE	CONCRETE BLOCK 200mm. THICK	CONCRETE BLOCK 150mm. THICK	CONCRETE BLOCK 100mm. THICK	CEMENT FIBERBOARD	GYPSUM BOARD W/ GALVANIZED STEEL FRAME	CORRUGATED STEEL SHEET	ALUM. FRAME COMPRESSED WOOD PANEL W/ MELAMINE COVERING	PLYWOOD W/WOOD FRAME	POLYETHYLENE AND METAL MESH PANEL WITH PLASTER	FORMED STEEL SHEET (4BY 2100)	CERAMIC TILE	PAINT ON GYPSUM BOARD	PAINT ON CEMENT PLASTER	GRANITE STONE	CONCRETE BLOCK WITH GROOVE	PAINTING	CEMENT FIBERBOARD W/ALUMINIUM FRAME	GYPSUM BOARD W/ ALUMINIUM FRAME	CONCRETE SLAB	MINERAL FIBER ACOUSTIC TILE W/ALM. FRAME	INSULAT'N PAINT SPRAY	PLASTERING TEXTURE	PAINTING			
1.1	OFFICE ROOM	●					●							●		●	●	●																							3.50	FLR. CABLE TRENCH
1.2	SWITCHGEAR ROOM	●						●						●		●	●	●																						3.95	-DO.- : EQUIPMENT FOUNDATION	
1.3	TRANSFORMER ROOM	●						●						●		●	●	●																					3.95	-DO.- : -DO.-		
1.4	GENERATOR ROOM	●						●						●		●	●	●																				3.95	-DO.- : -DO.-			
1.5	TOILET	●							●					●		●	●	●																				2.50				

EXTERIOR FINISH SCHEDULE
POWER SUPPLY STATION

PORTION	FINISHES	PORTION	FINISHES
ROOF	WATERPROOF CEMENT MORTAR t=30, COVERING CONCRETE t=60 WITH ESPANSION JOINT @ 3.0 M. CURING MORTAR t=15, 3-LAYERS ASPHALT WATERPROOFING, LEVELING MORTAR t=15, INSULATION BOARD (FORM POLYSTYRENE) t=25 UNDERSIDE OF ROOF SLAB. POOF GUTTER: WATERPROOF CEMENT MORTAR WITH WIRE MESH AND JOINT.	SIDEWALK	CONCRETE SLAB, METAL TROWEL FINISH AND GRAVEL PAVEMENT.
EXTERIOR WALL	ACRYLIC EMULSION PAINT (EXTERIOR QUALITY) ON CEMENT MORTAR PLASTER WITH 20 MM. CONTROL JOINT AT APPROX. EVERY 3.0 M. SKIRTING: CEMENT MORTAR PLASTER H=700 MM. ABOVE GROUND.	FENCE & GATE	ENTRANCE GATE: GALVANIZED STEEL PIPES OIL PAINT WITH GALVANIZED CHAIN LINK WIRE MESH. FENCING: GALAVANIZED STEEL PIPE FRAMING WITH GALVANIZED BARBED WIRE TOPPING.
PARAPET	WATERPROOF CEMENT MORTAR t=30 MM. INCLUDING COPING W/WIRE MESH.	OPEN DRAIN DITCH	CONCRETE MADE WITH CONCRETE COVER.
ROOF DRAIN & DOWNSPOUT	ROOFDRAIN: CAST IRON MADE 100# TAR BAKED. DOWNSPOUT: PVC PIPE (HEAVY DUTY), 100# VINYL PAINT.	EQUIPMENT FOUNDATION	CONCRETE MADE WITH ANCHOR HOLES.
EAVES	COLORLED CEMENT SPRAY ON TREATED EXPOSED CONCRETE SURFACES.	TRANSFORMER YARD	EQUIPMENT FOUNDATION: CONCRETE MADE WITH ANCHOR HOLES, GRAVEL PAVEMENT.
		VERENDAH	CONCRETE SLAB, METAL TROWEL, WALL: AEP (EXT. QUALITY) ON CEMENT MORTAR PLASTER.

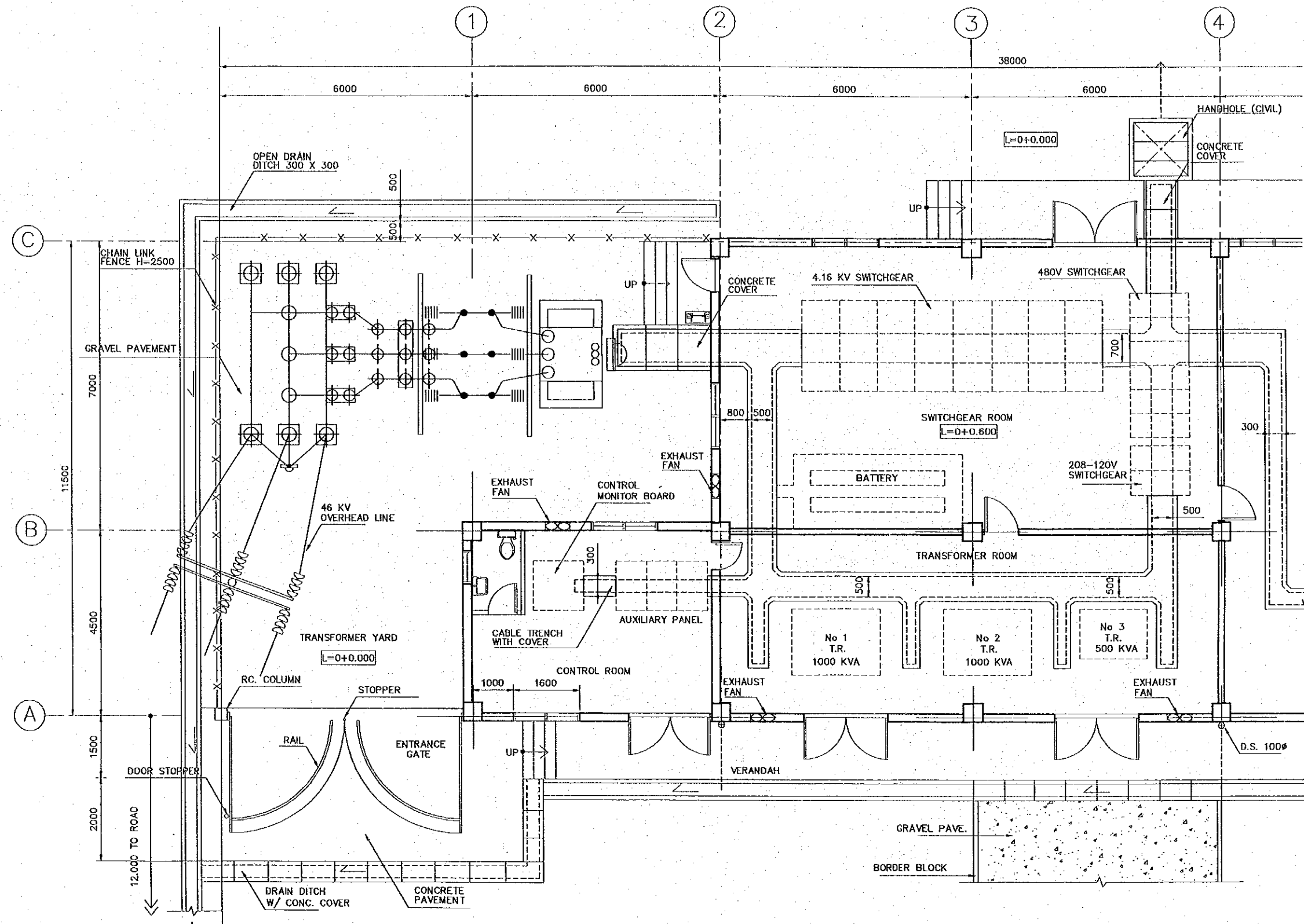
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR  NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
					CHECKED BY :			SUB-SECTION :	OCTOBER/2002	
					APPROVED BY :			TITLE :	SCALE :	
								BUILDING WORK POWER SUPPLY STATION EXTERIOR & INTERIOR FINISH SCHEDULE		1 : 200 DRAWING NO: BD-05-006



FINISH FLOOR PLAN
SCALE 1:150

GENERAL ABBREVIATION	
T.:	THICKNESS
LEGENDS	
	RC WALL t=200
	CONCRETE BLOCK WALL t=200
	CONCRETE BLOCK WALL t=150
	CONCRETE BLOCK WALL t=100
	LIGHT GAGE PARTITION
	TOILET SCREEN
FINISH INDICATION	
	WINDOW No.
	DOOR No.
F5	WALL SURFACE FINISH
	WALL MATERIAL
	CEILING FINISH & MATERIAL
	FLOOR FINISH

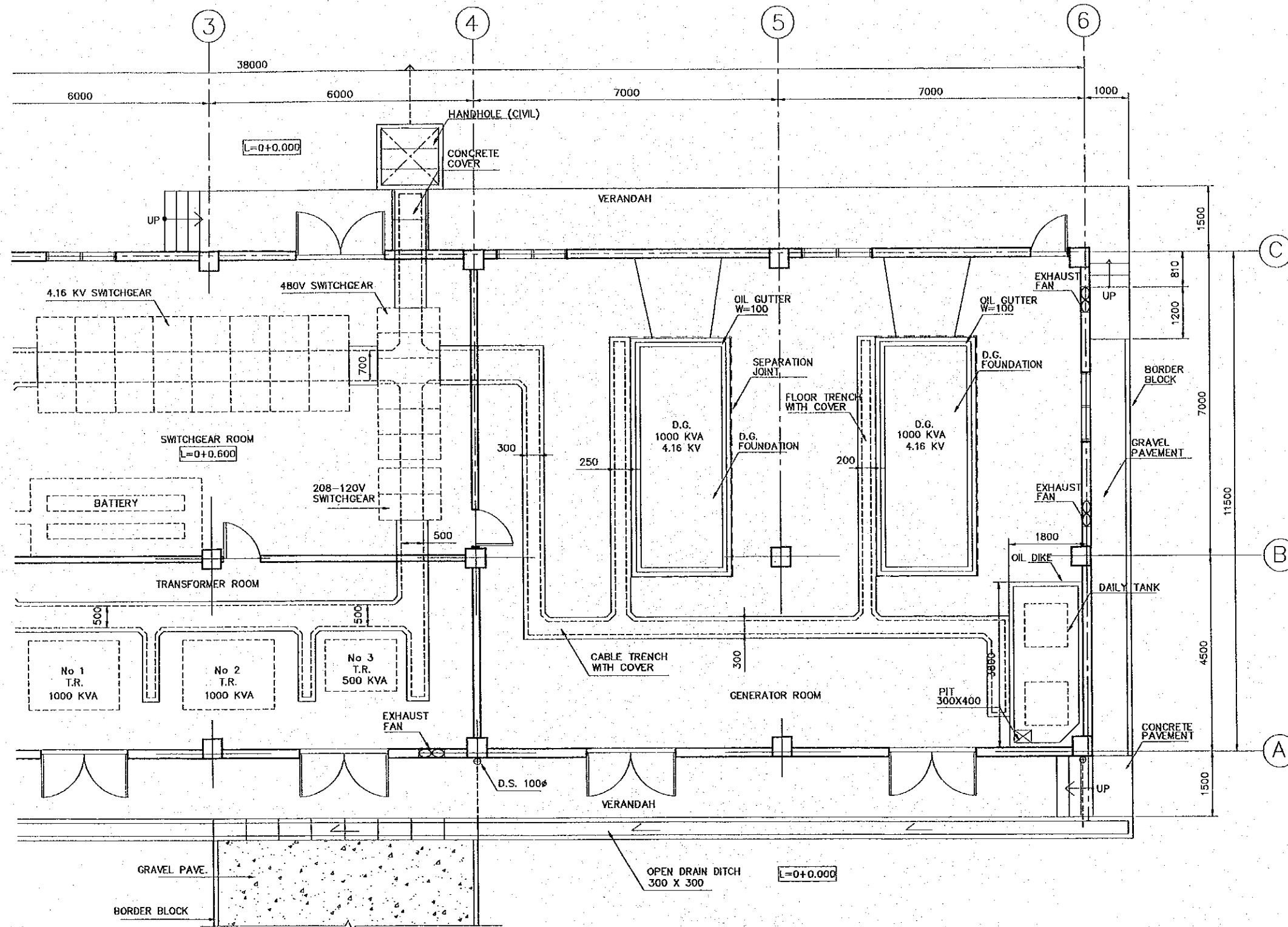
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : POWER SUPPLY STATION	SCALE : 1:150
								APPROVED BY :	TITLE : FINISH PLAN FIRST FLOOR	DRAWING No: BD-06-007



EQUIPMENT LAYOUT
PART 1
SCALE 1:100

NOTES:
1. FOR NOTES, SEE BD-06-011
NOTES ITEM 5.

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 :
														BUILDING WORK POWER SUPPLY STATION EQUIPMENT LAYOUT (PART 1)	OCTOBER/2002	
														SCALE : 1:100 DRAWING NO: BD-06-008		



EQUIPMENT LAYOUT
PART 2
SCALE 1:100


NOTES:
1. FOR NOTES, SEE BD-06-011
NOTES ITEM 5.

GENERAL ABBREVIATION	
D.G.:	DIESEL GENERATOR SET
D.S.:	DOWNSPOUT

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

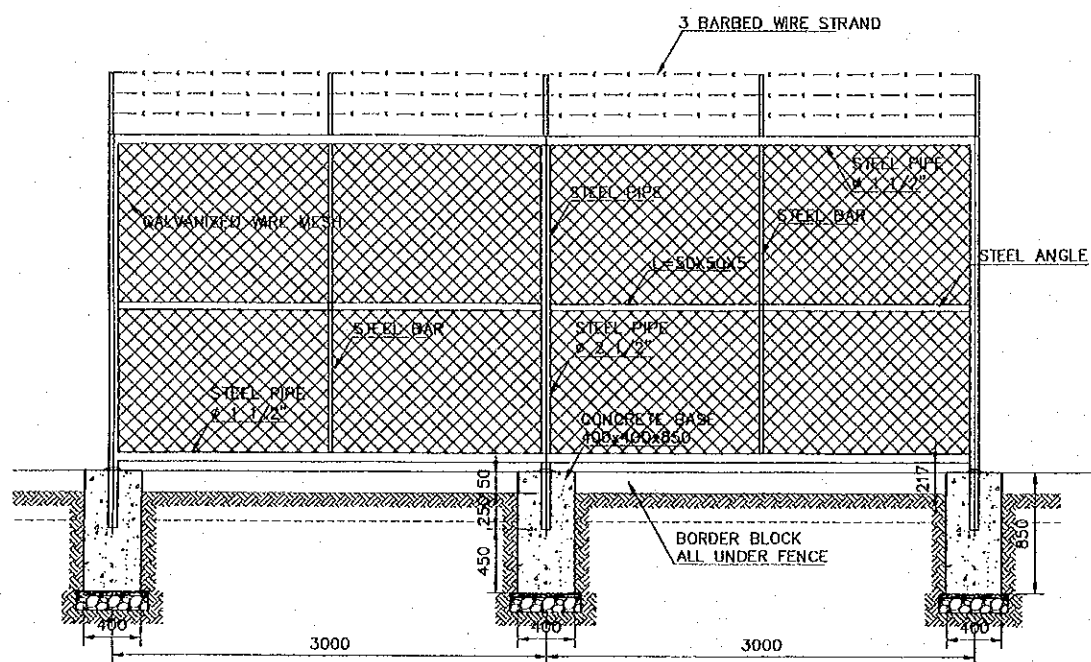
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

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

NIPPON KOEI CO., LTD.

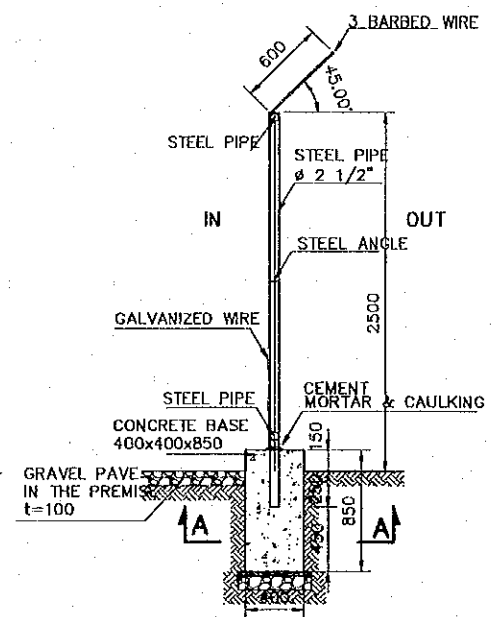
DESIGNED BY :	
CHECKED BY :	
APPROVED BY :	

SECTION : BUILDING WORK
 SUB-SECTION : POWER SUPPLY STATION
 TITLE : **EQUIPMENT LAYOUT (PART 2)**

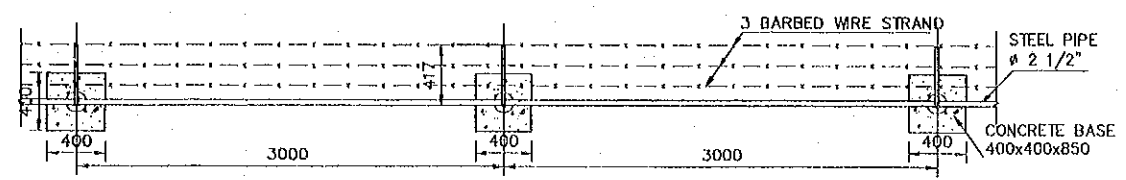
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DRAWING NO.:	BD-06-009



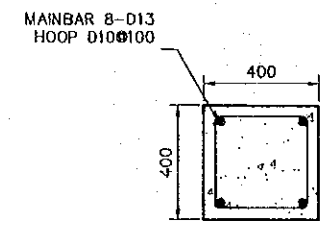
SECURITY FENCE ELEVATION
SCALE 1:50



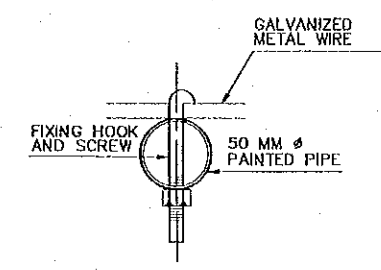
SECTION A-A
SCALE 1:50



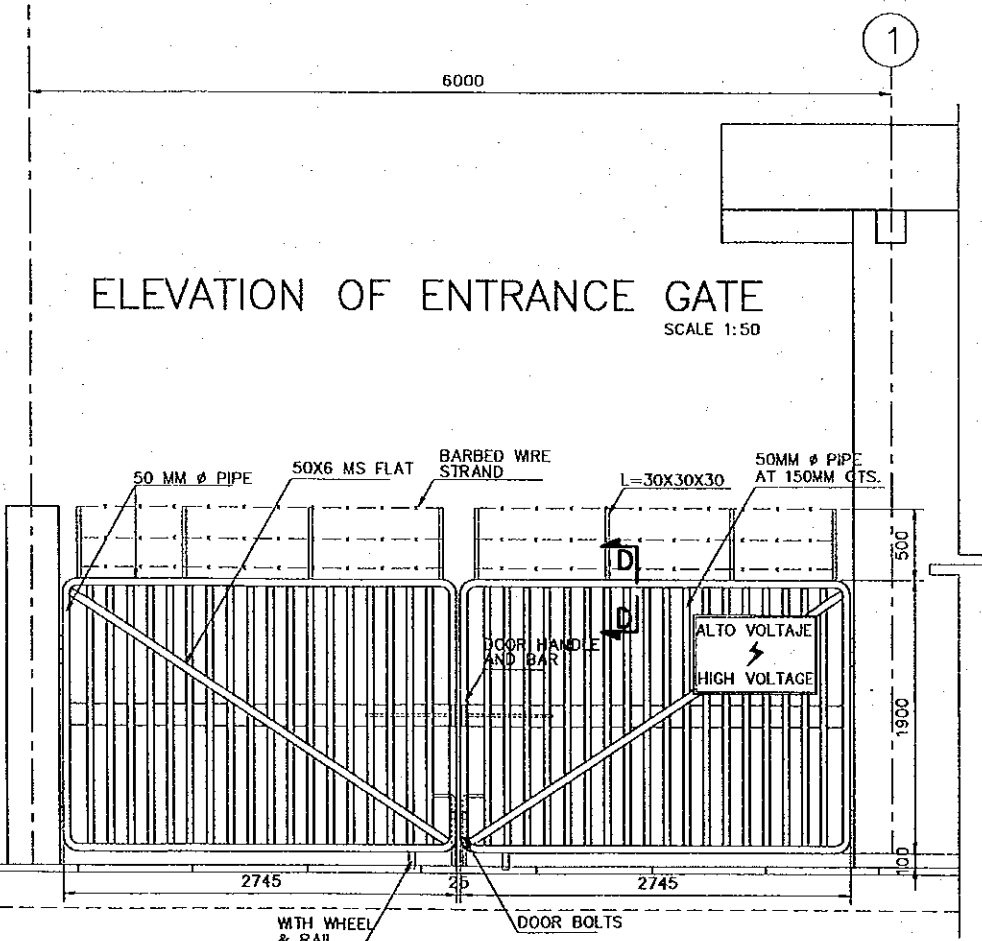
SECURITY FENCE PLAN
SCALE 1:50



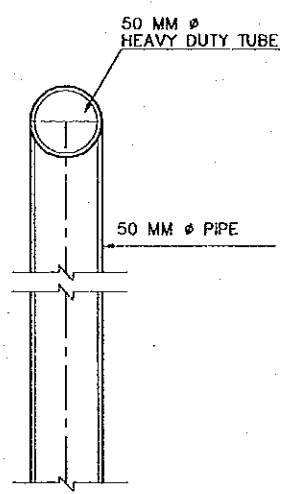
SECTION A-A
SCALE 1:25



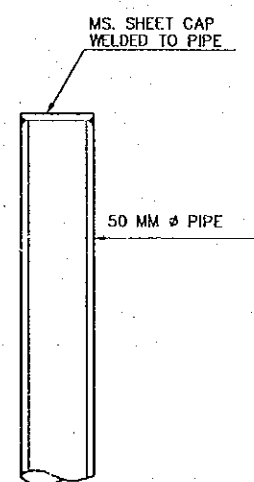
HORIZONTAL WIRE FIXING DETAIL
SCALE 1:5



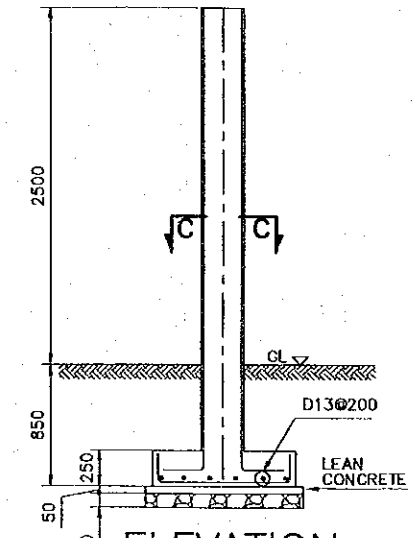
ELEVATION OF ENTRANCE GATE
SCALE 1:50



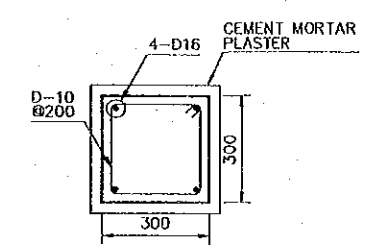
SECTION D-D PIPE TOP DETAIL
SCALE 1:5



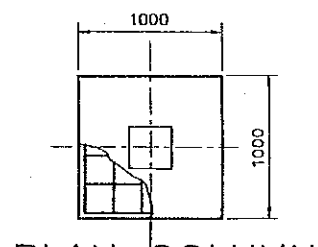
PIPE TOP DETAIL
SCALE 1:5



ELEVATION
SCALE 1:50



SECTION C-C
SCALE 1:20

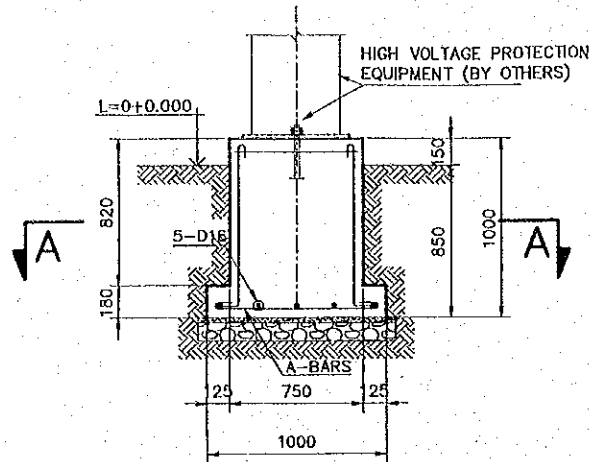


PLAN COLUMN FOOTING
SCALE 1:50

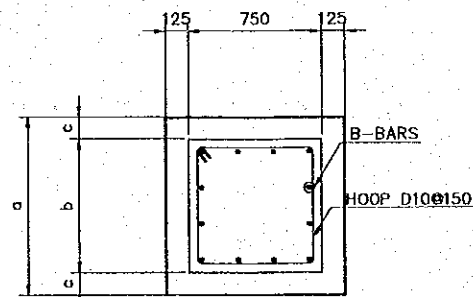
- NOTES**
1. ALL PIPES SHALL BE OF HEAVY DUTY GALVANIZED STEEL PIPES.
 2. ALLOW FOR HINGES, BOLTS AND PROVISION FOR PAD LOCK ETC.
 3. CONTRACTOR TO PROVIDE TO CONSULTANS FOR APPROVAL, SHOP DRAWING OF GATE AND GUIDE RAILS BEFORE FABRICATION

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 : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : POWER SUPPLY STATION	SCALE : 1:20, 1:50, 1:5
								APPROVED BY :	TITLE : GATE & FENCE DETAILS	DRAWING NO. : BD-05-010

FOUNDATION TYPE A, B & C



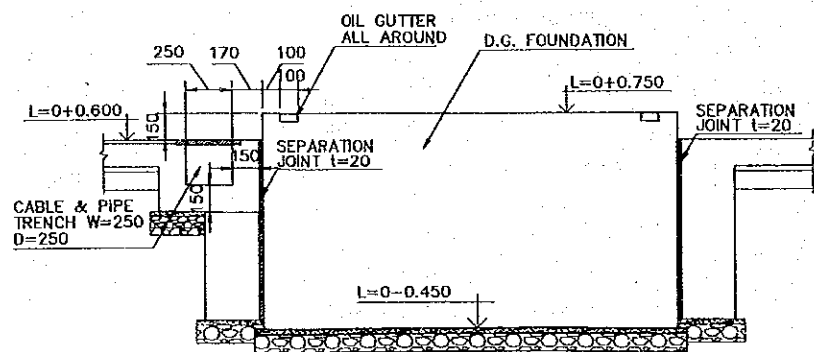
SECTION OF ELECTRIC EQUIP. FOUNDATION
SCALE 1:40



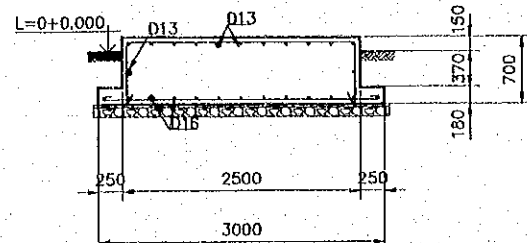
SECTION A-A
SCALE 1:40

FOUNDATION TYPE	DIMENSIONS (mm)			REINFORCEMENT BARS	
	a	b	c	A-BARS	B-BARS
A	1000	750	125	5-D16	12-D16
B	1000	1000	0	5-D16	14-D16
C	1850	1600	125	9-D16	20-D16

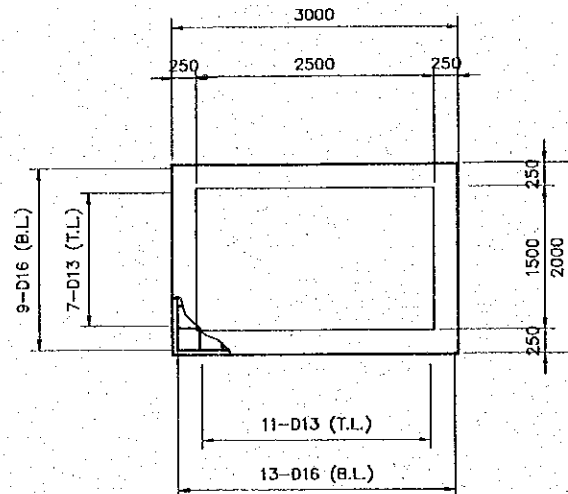
SCHEDULE OF FOUNDATION TYPE A, B & C



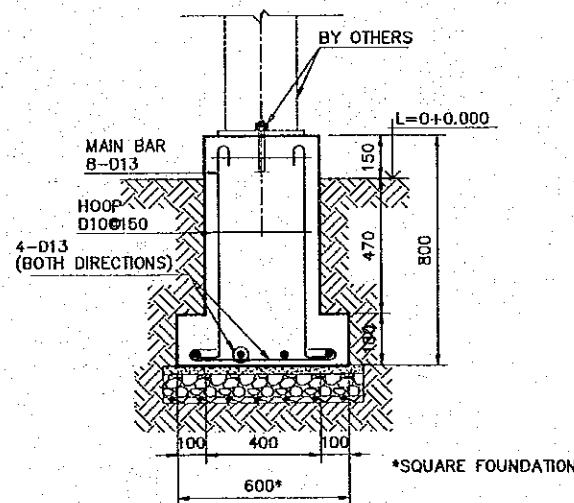
SECTION OF D.G. FOUNDATION
SCALE 1:40



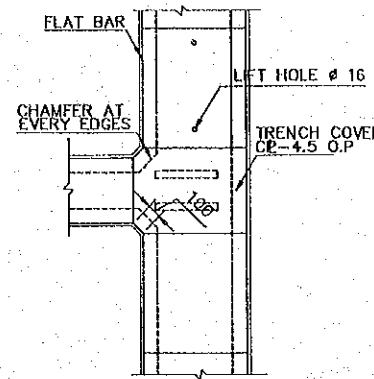
TRANSFORMER FOUNDATION SECTION
SCALE 1:75



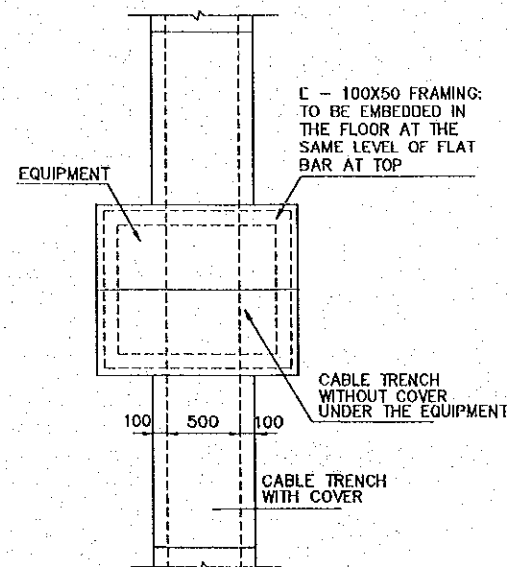
TRANSFORMER FOUNDATION PLAN
SCALE 1:75



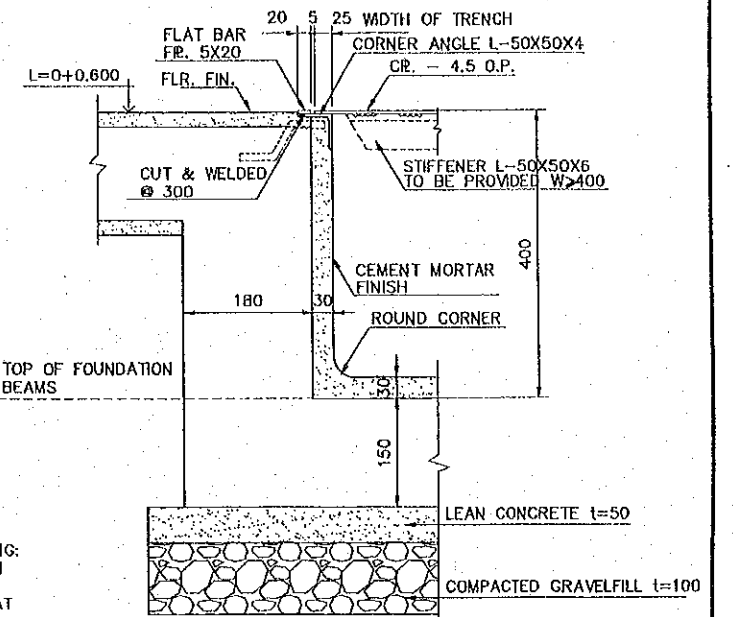
FOUNDATION TYPE D
SCALE 1:25



TYPICAL PLAN
SCALE 1:50



TYPICAL PLAN
SCALE 1:50

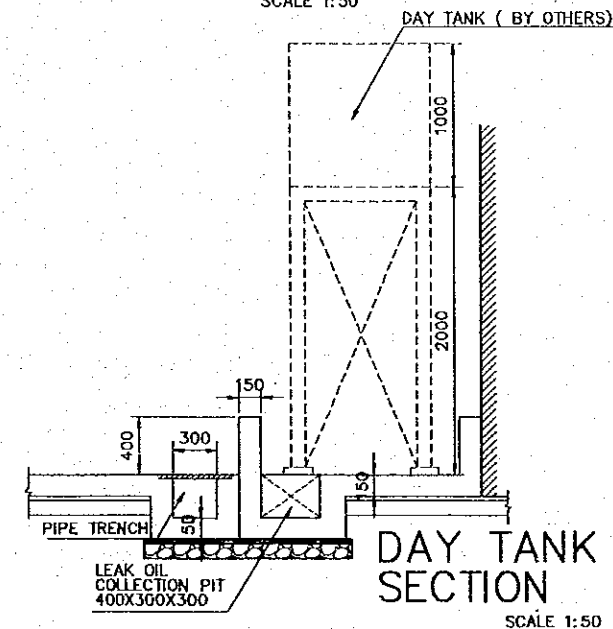


TYPICAL SECTION DETAIL
SCALE 1:10

TYP. CABLE TRENCH DETAILS

NOTES:

- INSIDE CABLE TRENCH SHALL BE CEMENT PLASTERED ROUND AT ALL CORNERS.
- ALL EDGES INSIDE CABLE TRENCH SHALL BE CHAMFERED WITH 100 mm. WIDTH.
- TRENCH COVER SHALL BE CHECK-REDED STEEL PLATE AND DIVIDED APPROXIMATELY 600 mm. IN LENGTH AND LESS THAN HANDABLE WEIGHT.
- TRENCH COVER SHALL BE PROVIDED LIFTING HOLES AT THE END OF COVER FOR EVERY THREE PIECES.
- THE LOCATION AND DETAILS OF EQUIPMENT AND TRENCHES SHOWN ON THIS DRAWING SHALL BE PROVISIONAL AND SUBJECT TO THE CHANGE AFTER DETERMINING EQUIPMENT MANUFACTURERS.
- ALL STEEL SHALL BE APPLIED ONE COAT OF ANTI-CORROSIVE PAINT TO ALL SURFACES AND FINISHED WITH TWO COATS OF OIL PAINT FOR EXPOSED SURFACES.
- SEPARATION JOINT: 20 THICK ASHALTIC SOLID BOARD SHALL BE PROVIDED ALL AROUND THE D.G. FOUNDATIONS.
- FOR DETAILS OF REINFORCEMENT FOR EQUIPMENT FOUNDATIONS, SEE STRUCTURAL DRAWINGS.



DAY TANK SECTION
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 : POWER SUPPLY STATION
TITLE : MISCELLANEOUS DETAIL

DATE : OCTOBER/2002
SCALE : 1:10, 1:40, 1:25, 1:75
DRAWING NO. : BD-06-011