

- ① CONCRETE BLOCK WALL (150x200x400) h= 0.600, SLATE STONE FINISH
- ② CONCRETE PLASTER AND PAINTED
- ③ CONCRETE BLOCK WALL (150x200x400) h=1.000, SLATE STONE FINISH
- ① GRANITE STONE TILE
- ② TURFING
- ③ PAVEMENT YARD (INTERLOCKING BLOCK)
- ④ CONCRETE PAVEMENT
- D1 SLIDING DOOR W/ MESH 2.10x1.00
- D2 SLIDING DOOR W/MESH 2.10x2.00
- D3 SLIDING METAL DOOR W/MESH 3.00x2.50

- GENERAL ABBREVIATION
- CB: CATCH BASIN
 - CHB: CONC. HOLLOW BLOCK
 - D.S: DOWNSPOUT
 - G.L: GROUND LEVEL
 - C.S: CURB STONE
 - B.B: BORDER BLOCK
 - I/B: INTERLOCKING PAVEMENT BLOCK
 - C/P: CONC. PAVEMENT
 - G/P: GRAVEL PAVEMENT

- NOTES:
- 1 THIS DWG. SHOWN WORK DIVISION, GENERAL LOCATION AND FINISHES OF LANDSCAPING AROUND THE ADM. BLDG. ONLY.
 - 2 WORK DIVISION BTWN. CIVIL & BLDG. WORKS IS SHOWN WITH DOT LINE.
 - 3 ALONG WITH THE DOT LINE THE CURB STONES WILL BE CONSTRUCTED UNDER THE CIVIL WORK.
 - 4 THE AREA ENCIRCLED BY DOT LINE SHALL BE PAVED, PLANTED & TURFED AS SHOWN BY BLDG. WORKS.
 - 5 FOR MORE DETAILS, SEE RELATED ENLARGED DRAWINGS.

LANDSCAPING
SCALE 1:300

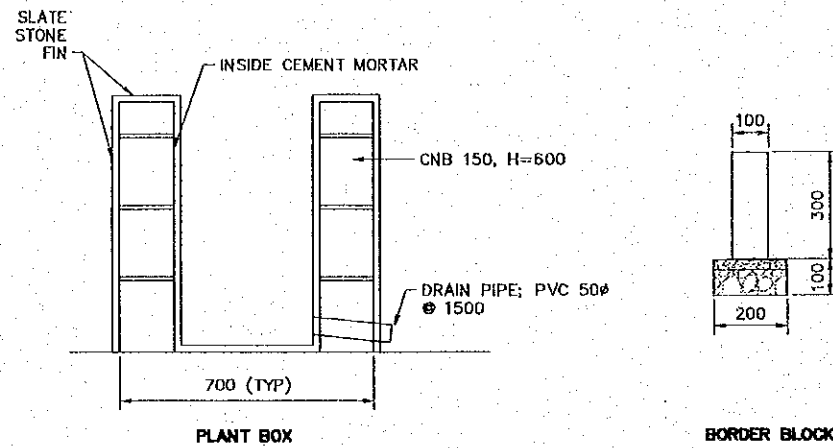
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	Gpa COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION :	DATE :		
											CHECKED BY :	SUB-SECTION :	SCALE :
											APPROVED BY :	TITLE :	DRAWING NO. :
										BUILDING WORK	OCTOBER/2002		
										PORT ADMINISTRATION BUILDING	1:300		
										LANDSCAPING PLAN	BD-01-046		

A. THE LANDSCAPING WORK UNDER BUILDING WORKS SHALL INCLUDE THE FOLLOWING COMPONENTS

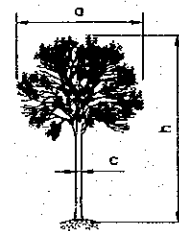
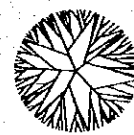
1. BORDER BLOCK
2. PLANT BOXES CONSTRUCTED BY CHB 150 WALL
3. FLOWER BED: TURFING WITH PLANTING FLOWERS AND TREES.
4. PAVEMENT CONSISTS OF CONCRETE, INTERLOCKING BLOCK AND GRAVEL PAVEMENT.

B. EACH COMPONENT SHALL BE CONSTRUCTED WITH THE FOLLOWING DETAILS:

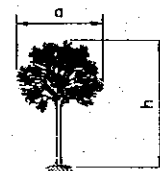
1. BORDER BLOCK:
SIZE: W100 X H300 X L900 (TYP)
2. PLANT BOXES:



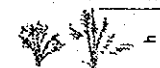
3. FLOWER BED:



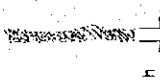
NAME = PALMERA WASHINGTON
F.S. = 0.90
a = 2.00 M.
h = 2.00 M.
c = 0.10 M.



NAME = PALMERA MIAMI PHINES
F.S. = 0.60
a = 1.50 M.
h = 1.50 M.



NAME = ISORA/ROSES
F.S. = 0.45
h = 0.80 M.



NAME = CROTO GOLDEN RAIN
CROTO PETRA
F.S. = 0.30
h = 0.40 M.



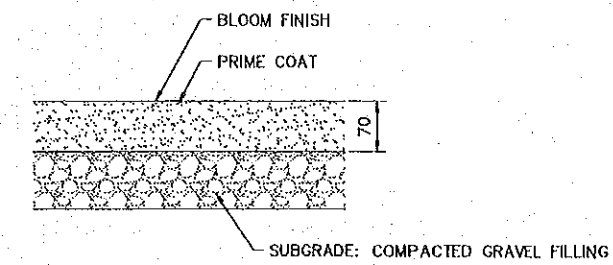
TURFING

F.S. = 0.15

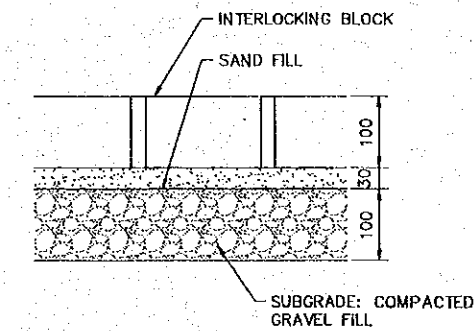
NOTE:
F.S. = MINIMUM THICKNESS OF FURTILE SOIL

4. PAVEMENTS

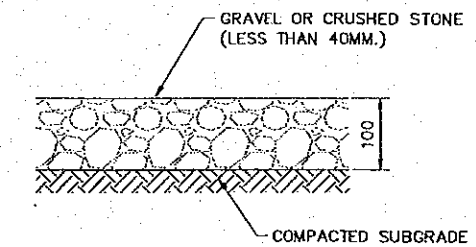
1. CONCRETE PAVEMENT (FOR PEDESTRIAN PATH)



2. INTERLOCKING PAVEMENT BLOCK

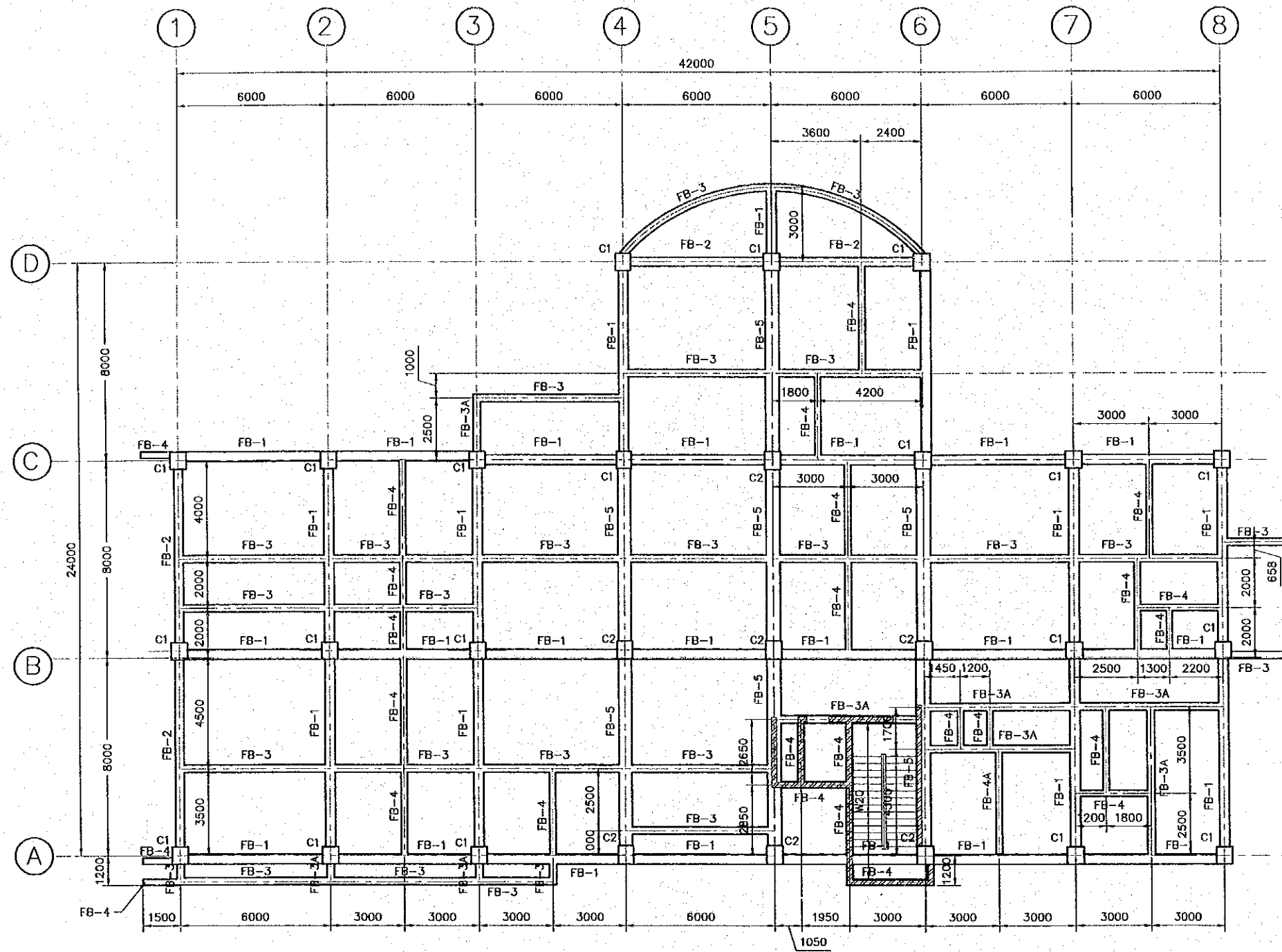


3. GRAVEL PAVEMENT



C. FOR LOCATION OF COMPONENTS, SEE DW-BD-01-001

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 : PORT ADMINISTRATION BUILDING	SCALE : NOT TO SCALE
								APPROVED BY :	TITLE : LANDSCAPE DETAILS	DRAWING NO: BD-01-047



STRUCTURAL FIRST FLOOR PLAN
SCALE 1:200

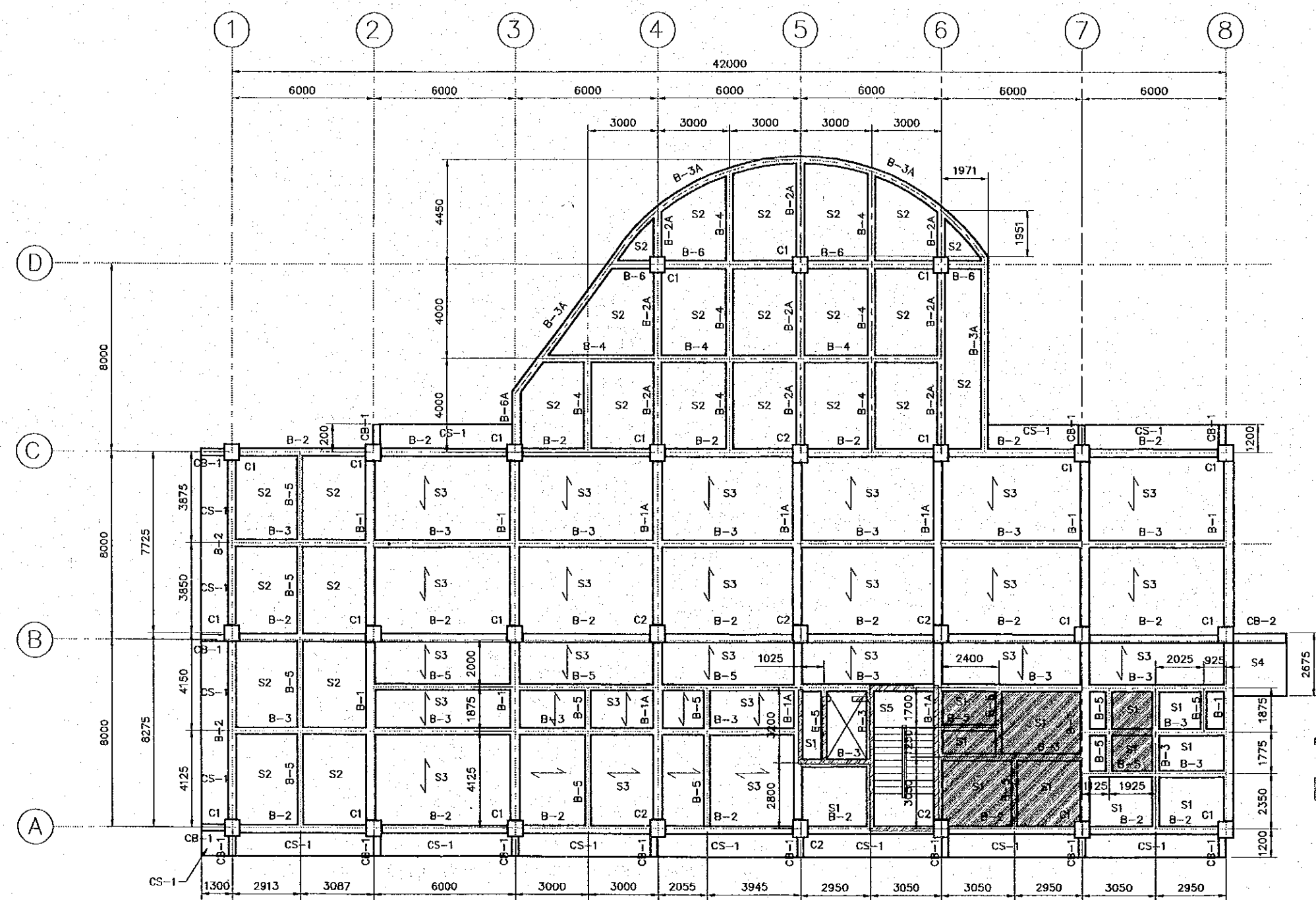
- FB: FOUNDATION BEAM**
 FB-1 IS 800 x 400
 FB-2 IS 800 x 350
 FB-3, 3A IS 600 x 300
 FB-4, 4A IS 400 x 250
 FB-5 IS 800 x 550

- C: COLUMN**
 C1 IS 700 x 650
 C2 IS 750 x 650

ALL FIRST FLOOR SLAB IS S0,
 REINFORCED CONCRETE SLAB, th=150.

W: CONCRETE WALL
 W20 THICKNESS IS 200

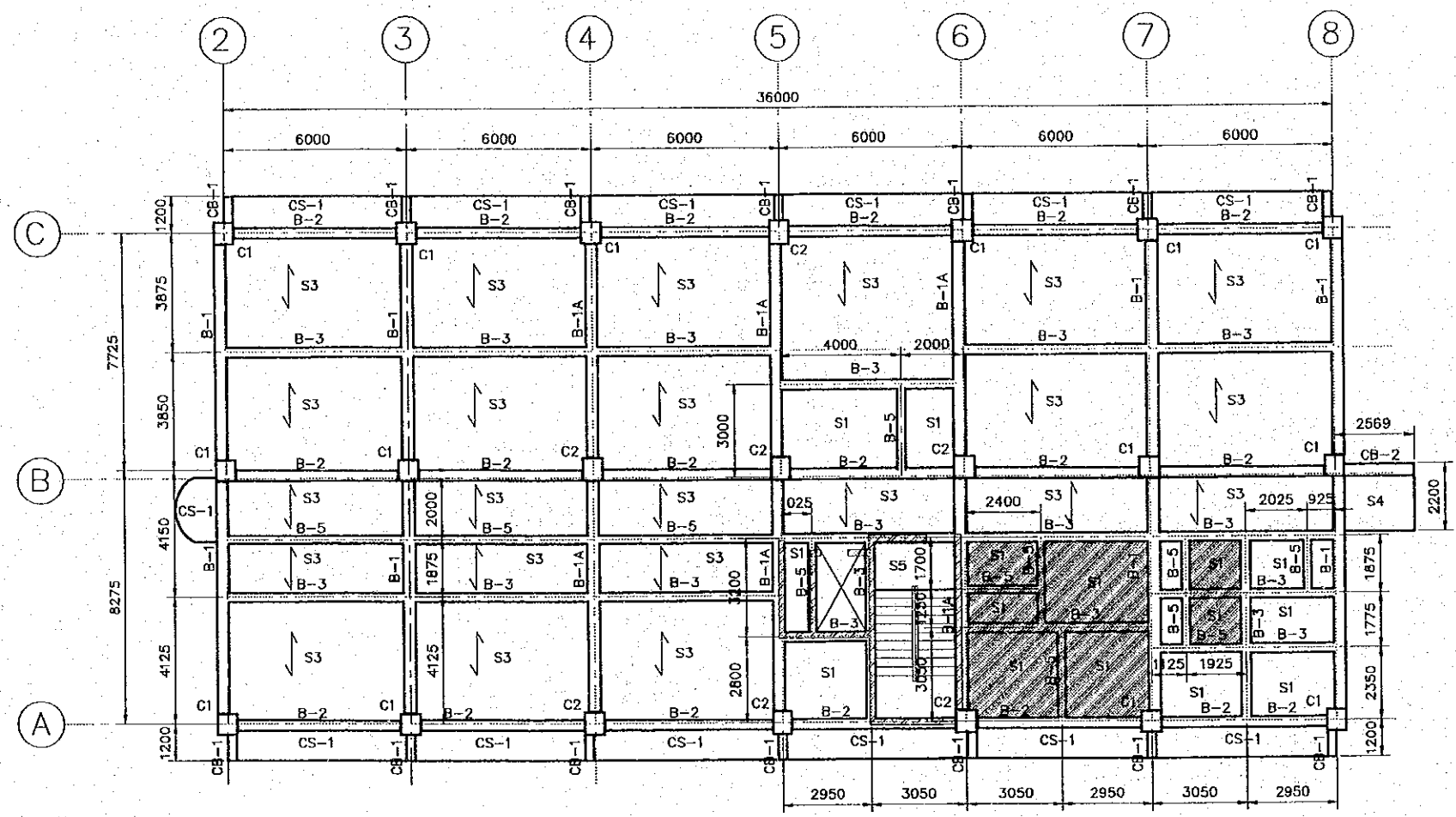
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
								APPROVED BY :	TITLE :	SCALE :
									STRUCTURAL FIRST FLOOR PLAN	1 : 200
										DRAWING NO. :
										BD-01-049



- B: BEAM**
 B-1 IS 750 x 400
 B-1A IS 900 x 400
 B-2,2A IS 650 x 350
 B-3,3A IS 550 x 300
 B-4 IS 600 x 300
 B-5 IS 400 x 250
 B-6,6A IS 650 x 350
- C: COLUMN**
 C1 IS 700 x 650
 C2 IS 750 x 650
- CB: CANTILEVER BEAM**
 CB-1 IS 500 x 300
 CB-2 IS 400 x 400
- S: SLAB**
 S1 REINFORCED CONCRETE SLAB, th=150
 S2 REINFORCED CONCRETE SLAB, th=120
 S3 PRECAST PRESTRESS DECK SLAB WITH CAST IN PLACE CONCRETE TOPPING, TOTAL th=200
 S4 REINFORCED CONCRETE SLAB, th=150
 S5 REINFORCED CONCRETE SLAB, th=150
- CS: CANTILEVER SLAB**
 CS1 REINFORCED CONCRETE SLAB, th=150
- W: CONCRETE WALL**
 W20 THICKNESS IS 200
- 80MM. LOWER THAN FLOOR LEVEL

STRUCTURAL SECOND FLOOR PLAN
 SCALE 1:200

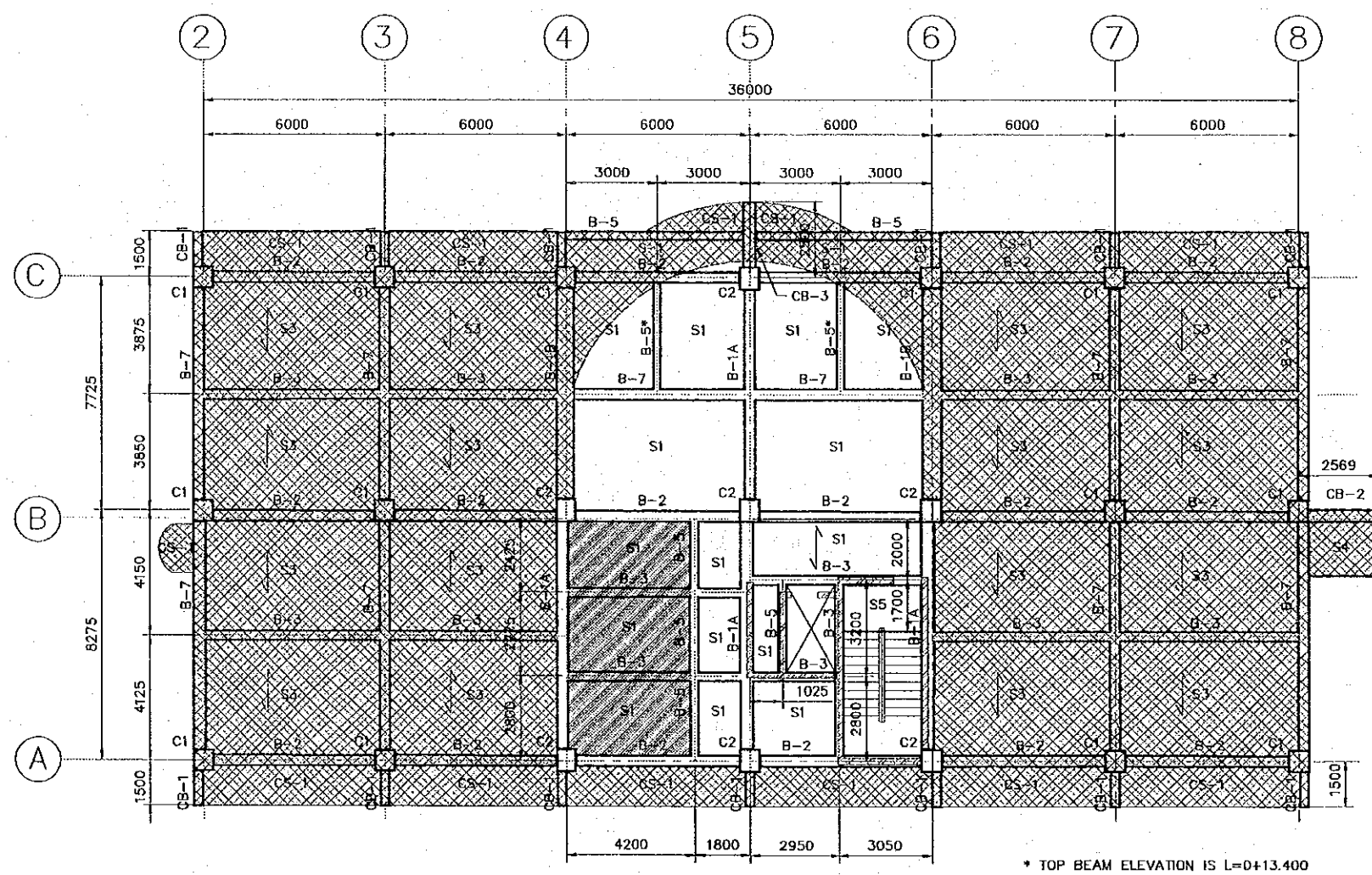
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
								APPROVED BY :	TITLE :	SCALE :
									BUILDING WORK	1 : 200
									PORT ADMINISTRATION BUILDING	DRAWING NO. : BD-01-050
									STRUCTURAL SECOND FLOOR PLAN	



- B: BEAM**
 B-1 IS 750 x 400
 B-1A IS 900 x 400
 B-2 IS 650 x 350
 B-3 IS 550 x 300
 B-5 IS 400 x 250
- CB: CANTILEVER BEAM**
 CB-1 IS 500 x 300
 CB-2 IS 400 x 400
- C: COLUMN**
 C1 IS 700 x 650
 C2 IS 750 x 650
- S: SLAB**
 S1 REINFORCED CONCRETE SLAB, th=150
 S3 PRECAST PRESTRESS DECK SLAB WITH CAST IN PLACE CONCRETE TOPPING, TOTAL th=200
 S4 REINFORCED CONCRETE SLAB, th=150
 S5 REINFORCED CONCRETE SLAB, th=150
- CS: CANTILEVER SLAB**
 CS-1 REINFORCED CONCRETE SLAB, th=150
- W: CONCRETE WALL**
 W18 THICKNESS IS 200
- 80MM. LOWER THAN FLOOR LEVEL

STRUCTURAL THIRD FLOOR PLAN
 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 :	OCTOBER/2002
								APPROVED BY :	TITLE :	SCALE : 1 : 200
								BUILDING WORK		DRAWING NO. : BD-01-051
								PORT ADMINISTRATION BUILDING		
								STRUCTURAL THIRD FLOOR PLAN		



CB: CANTILEVER BEAM
 CB-1 IS 500 x 300
 CB-2 IS 400 x 400
 CB-3 IS 600 x 400

B: BEAM
 B-1 IS 750 x 400
 B-1A IS 900 x 400
 B-1B IS 700 x 600
 B-2 IS 650 x 350
 B-3 IS 550 x 300
 B-5 IS 400 x 250
 B-7 IS 600 x 350

C: COLUMN
 C1 IS 700 x 650
 C2 IS 750 x 650

S: SLAB
 S1 REINFORCED CONCRETE SLAB, th=150
 S3 PRECAST PRESTRESS DECK SLAB WITH CAST IN PLACE CONCRETE TOPPING, TOTAL th=200
 S4 REINFORCED CONCRETE SLAB, th=150
 S5 REINFORCED CONCRETE SLAB, FOR STAIRS, th=150

CS: CANTILEVER SLAB
 CS-1 REINFORCED CONCRETE SLAB, th=150 (SEE ARCHITECTURAL DETAILS FOR LEVEL)

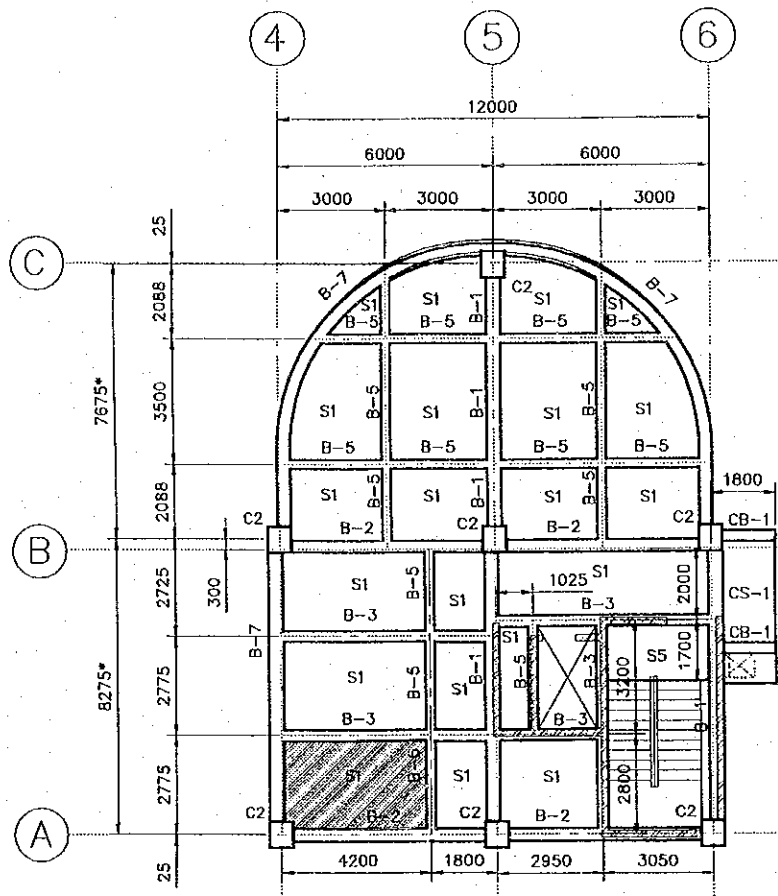
W: CONCRETE WALL
 W20 THICKNESS IS 200

200MM. LOWER THAN FLOOR LEVEL

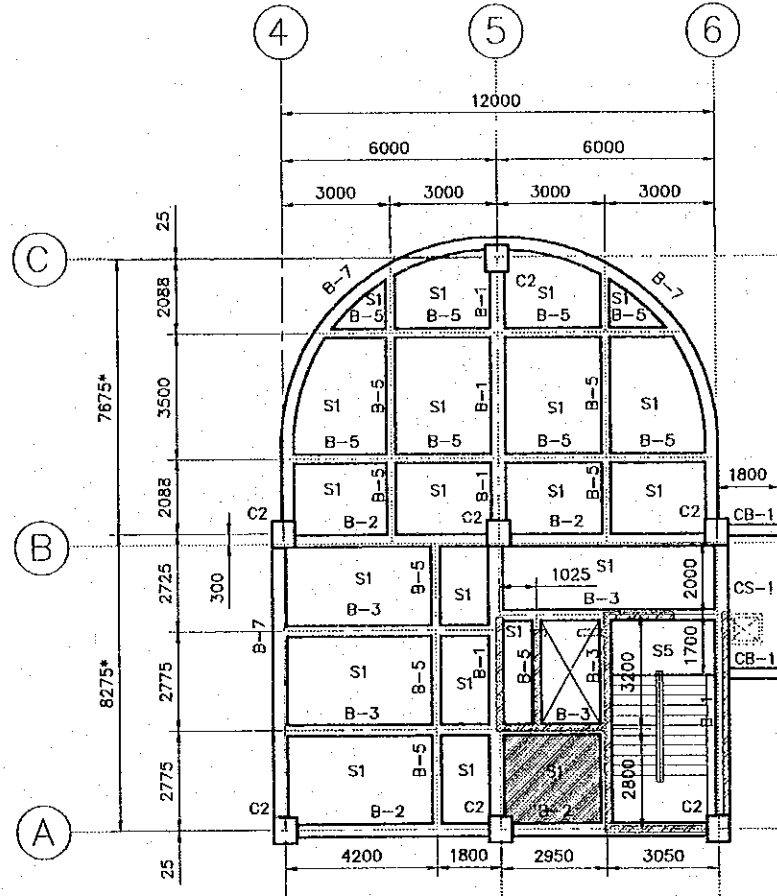
80MM. LOWER THAN FLOOR LEVEL

STRUCTURAL FOURTH FLOOR PLAN
 SCALE 1:200

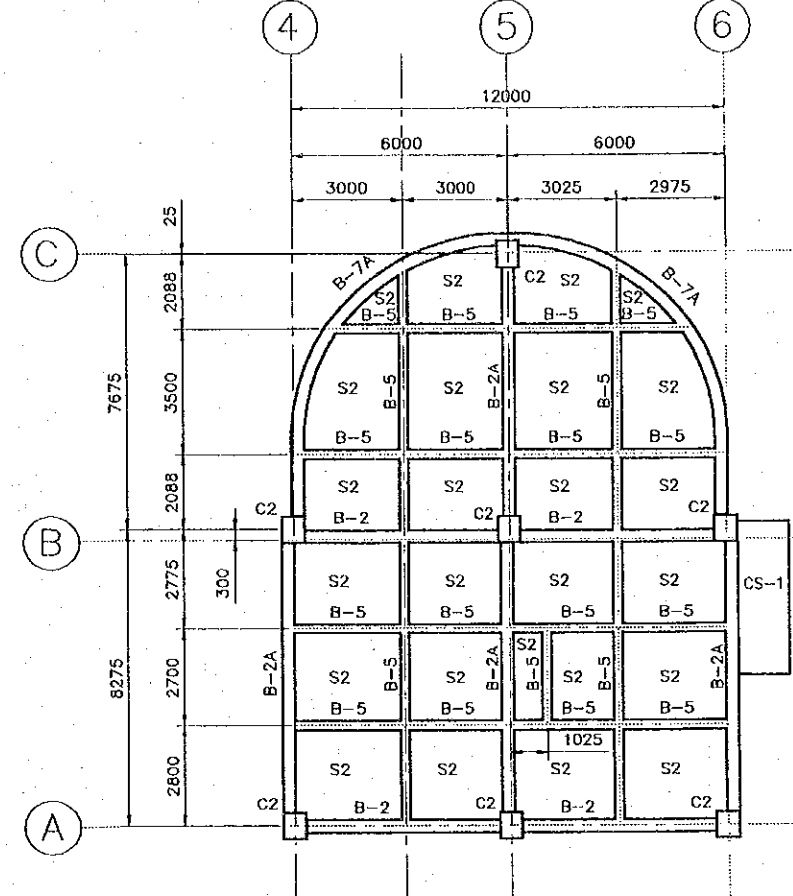
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
								APPROVED BY :	TITLE :	SCALE :
									STRUCTURAL FOURTH FLOOR PLAN	1 : 200
										DRAWING NO. :
										BD-01-052



FIFTH FLOOR PLAN
SCALE 1:200



SIXTH FLOOR PLAN
SCALE 1:200



ROOF PLAN
SCALE 1:200

* DIMENSION BETWEEN COLUMNS AXIS

- B: BEAM**
 - B-1 IS 750 x 400
 - B-2,2A IS 650 x 350
 - B-3 IS 550 x 300
 - B-5 IS 400 x 250
 - B-7,7A IS 600 x 350
 - CB: CANTILEVER BEAM**
 - CB-1 IS 500 x 300
 - W: CONCRETE WALL**
 - W20 THICKNESS IS 200
 - C: COLUMN**
 - C2 IS 750 x 650
 - S: SLAB**
 - S1 REINFORCED CONCRETE SLAB, th=150
 - S2 REINFORCED CONCRETE SLAB, th=120
 - CS: CANTILEVER SLAB**
 - CS-1 REINFORCED CONCRETE SLAB, th=150
- ▨ 80MM. LOWER THAN FLOOR LEVEL

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CEPA
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

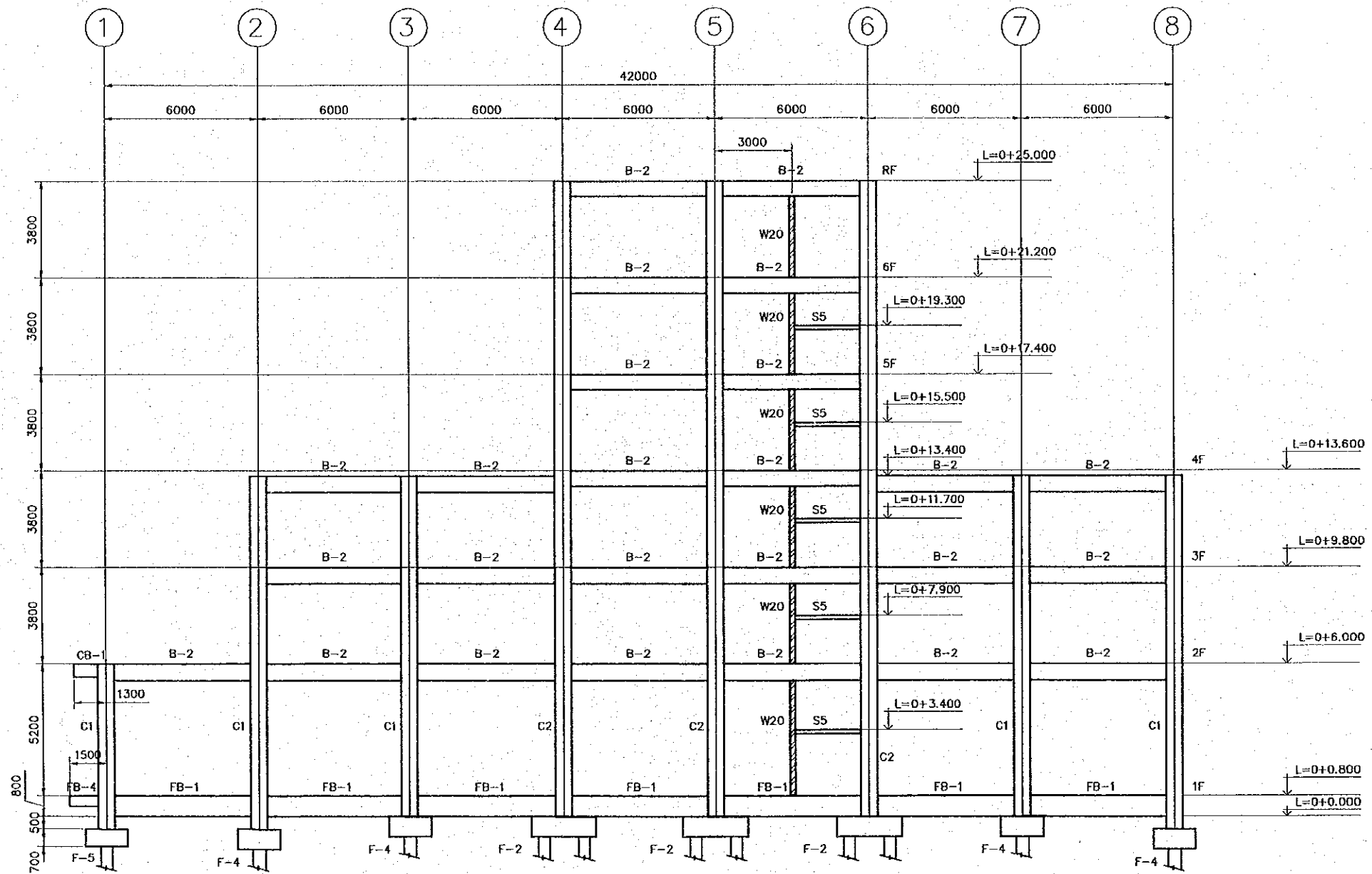
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NKK
NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : STRUCTURAL FIFTH, SIXTH AND ROOF FLOOR PLANS

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-01-053



A - AXIS SECTION

SCALE 1:200

- B: BEAM**
B-2 IS 650 X 350
- CB: CANTILEVER BEAM**
CB-1 IS 500 X 350
- C: COLUMN**
C-1 IS 700 X 650
C-2 IS 750 X 650
- FB: FOUNDATION BEAM**
FB-1 IS 800 X 400
- S: SLAB**
S1 REINFORCED CONCRETE
SLAB, TH=150
S5 REINFORCED CONCRETE
SLAB, TH=150

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY
(JICA)

Cepa
COMISION EJECUTIVA
PORTUARIA AUTONOMA
(CEPA)

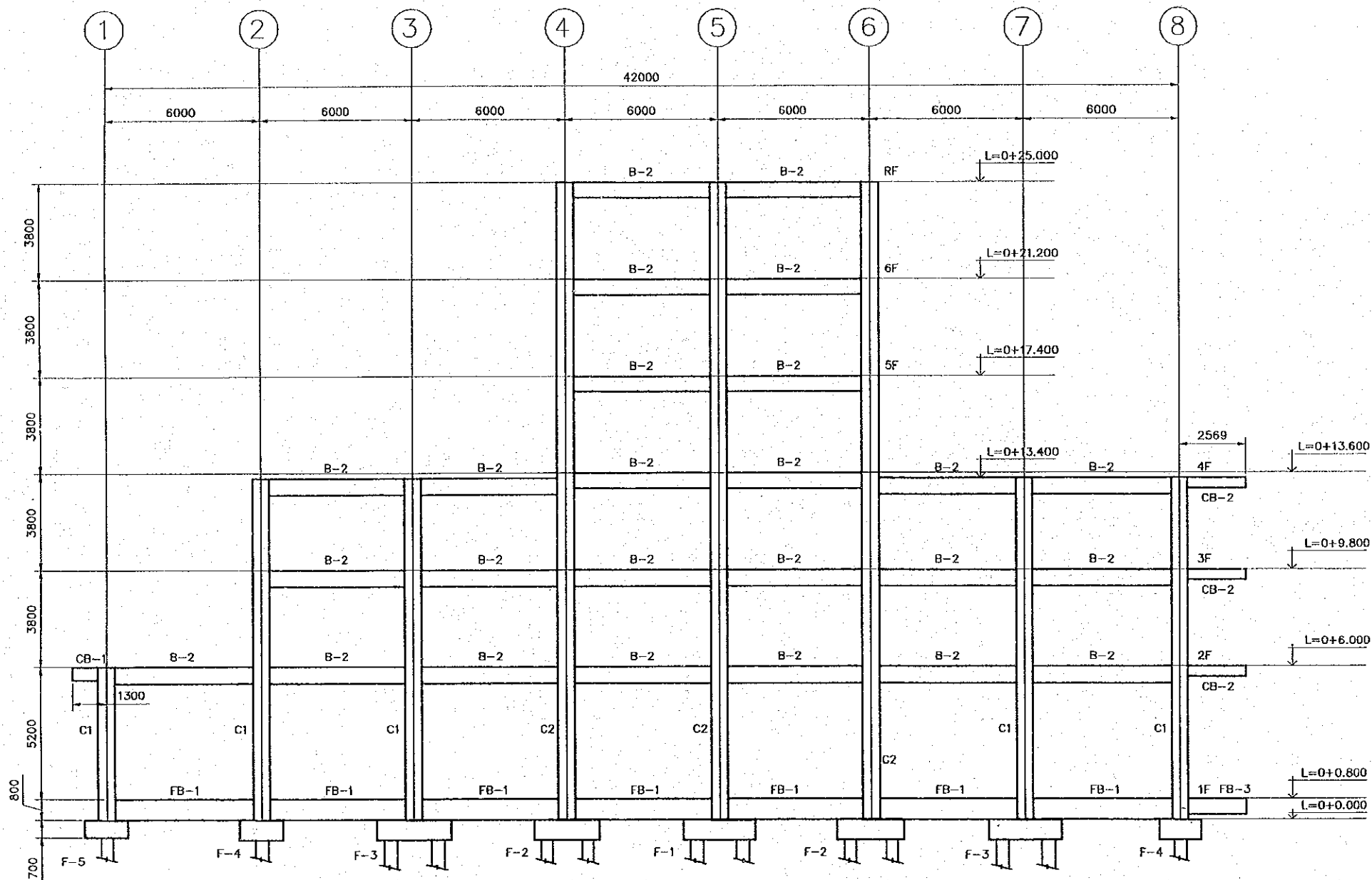
THE DETAILED DESIGN
ON PORT REACTIVATION PROJECT
IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NK NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : STRUCTURAL SECTION-01
(A SECTION)

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-01-054

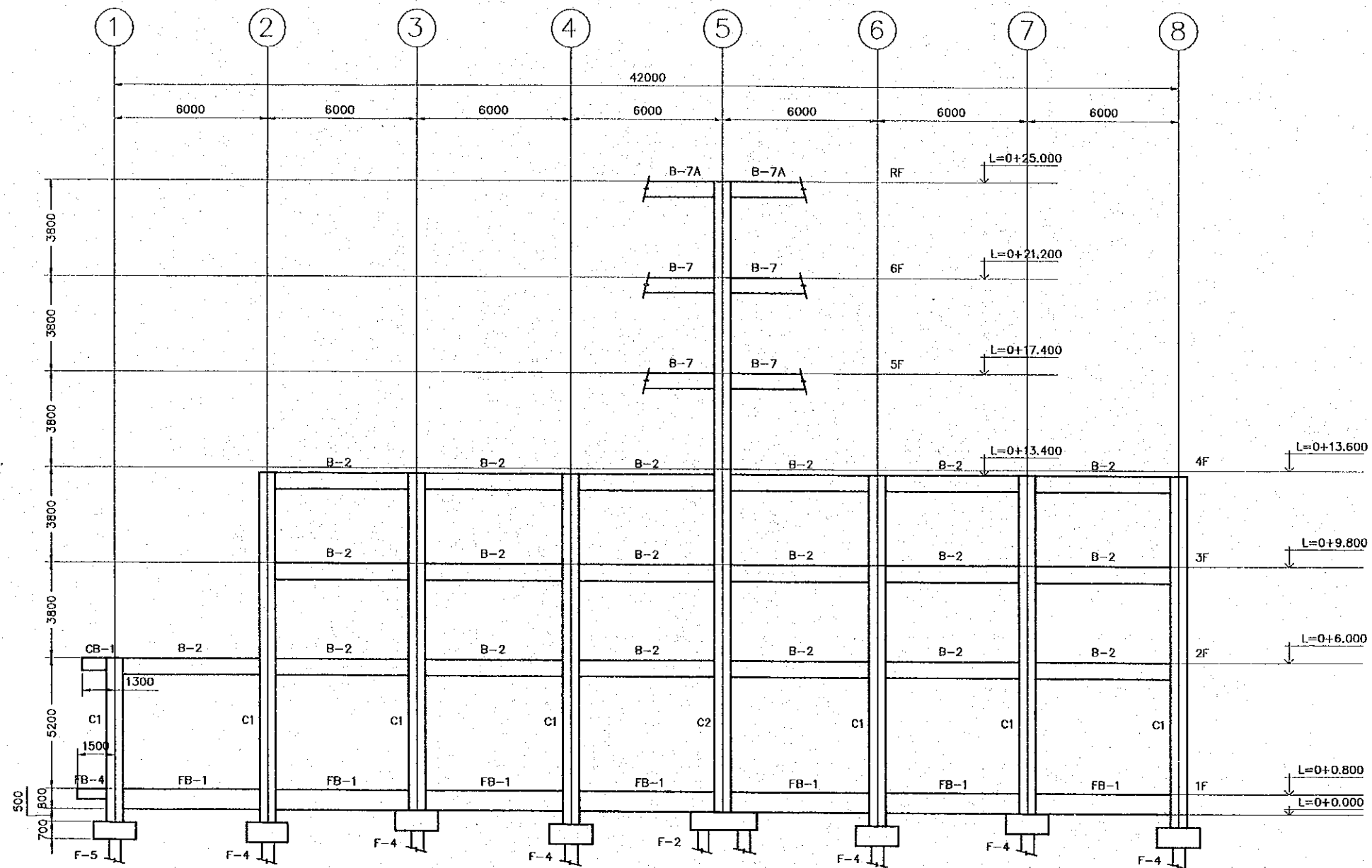


- B: BEAM**
 B-2 IS 650 X 350
- CB: CANTILEVER BEAM**
 CB-1 IS 500 X 350
 CB-2 IS 400 X 400
- C: COLUMN**
 C-1 IS 700 X 650
 C-2 IS 750 X 650
- FB: FOUNDATION BEAM**
 FB-1 IS 800 X 400

B - AXIS SECTION

SCALE 1:200

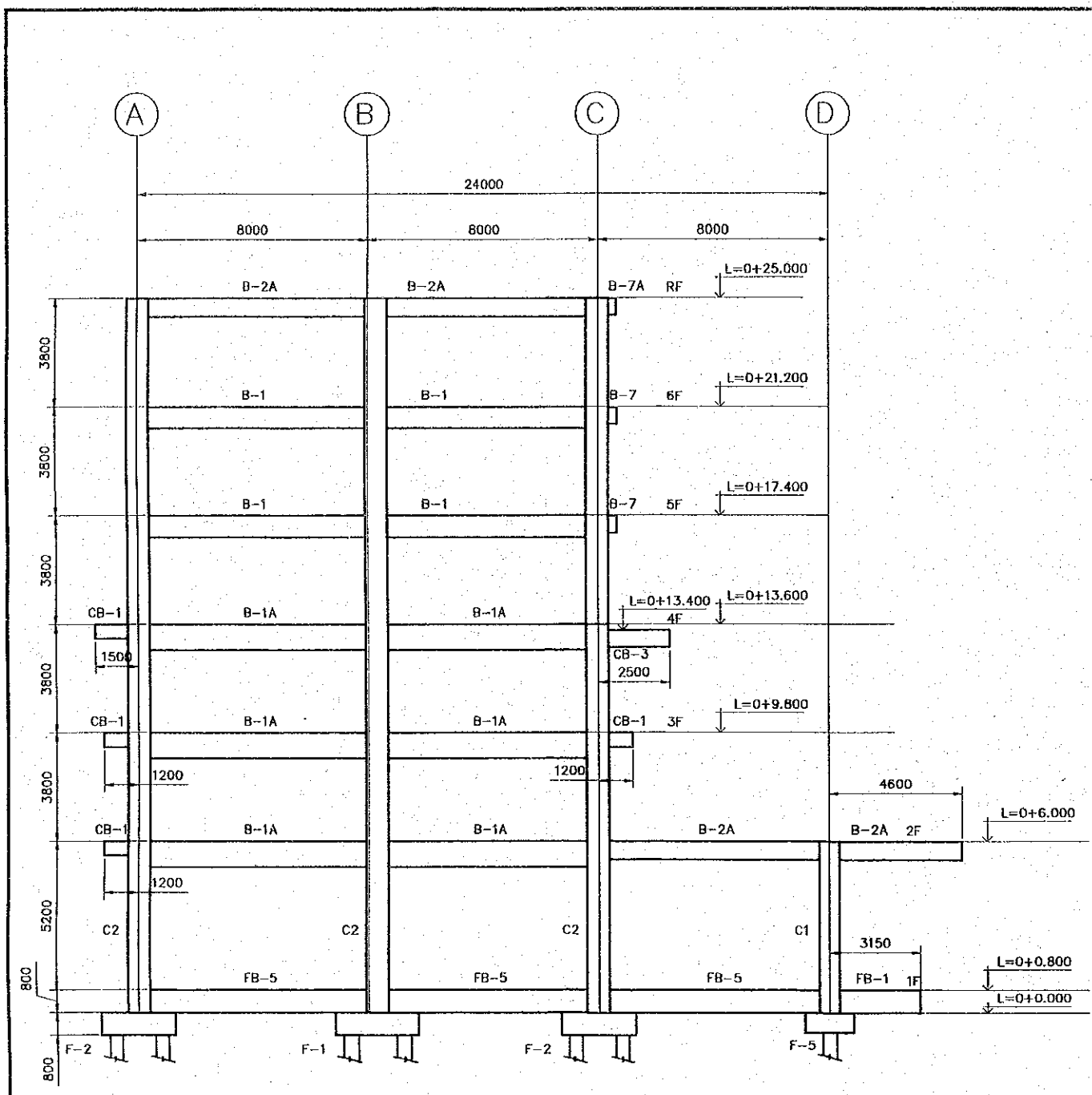
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : PORT ADMINISTRATION BUILDING	SCALE : 1 : 200
								APPROVED BY :	TITLE : STRUCTURAL SECTION-02 (B SECTION)	DRAWING NO. : BD-01-055



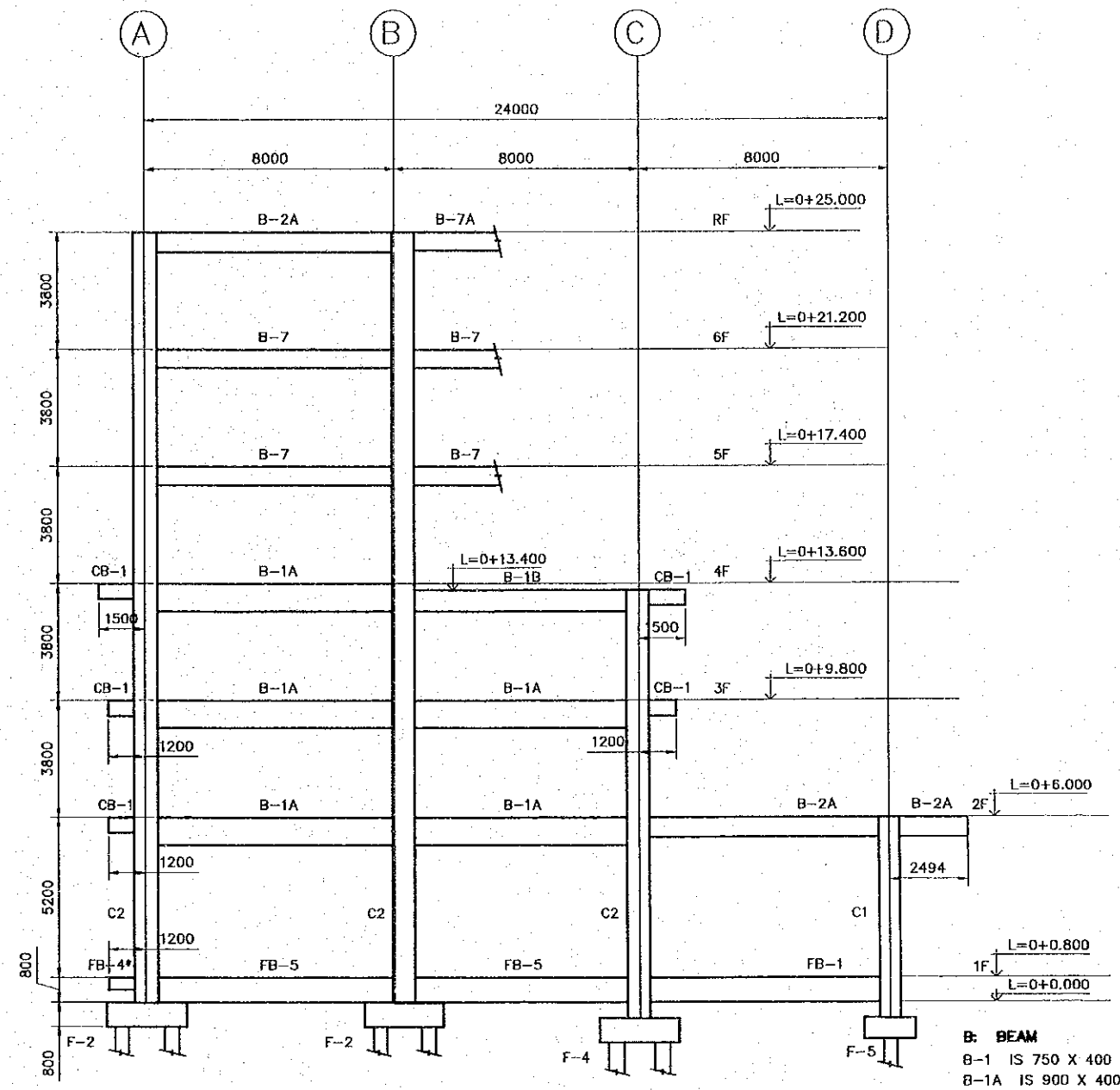
- B: BEAM**
 B-2 IS 650 X 350
 B-7,7A IS 600 X 350
- C: COLUMN**
 C-1 IS 700 X 650
 C-2 IS 750 X 650
- FB: FOUNDATION BEAM**
 FB-1 IS 800 X 400
 FB-4 IS 400 X 250
- CB: CANTILEVER BEAM**
 CB-1 IS 500 X 300

C-AXIS SECTION
 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 :	OCTOBER/2002
								APPROVED BY :	TITLE :	SCALE :
									BUILDING WORK	1 : 200
									PORT ADMINISTRATION BUILDING	DRAWING NO. :
									STRUCTURAL SECTION-03	BD-01-056
									(C-AXIS SECTION)	



5-Axis SECTION
SCALE 1:200



* FOR 6 - AXIS ONLY

4 AND 6-AXIS SECTION
SCALE 1:200

- B: BEAM**
 B-1 IS 750 X 400
 B-1A IS 900 X 400
 B-1B IS 700 X 600
 B-2,2A IS 650 X 350
 B-7,7A IS 600 X 350
- C: COLUMN**
 C-1 IS 700 X 650
 C-2 IS 750 X 650
- FB: FOUNDATION BEAM**
 FB-1 IS 800 X 400
 FB-4 IS 400 X 250
 FB-5 IS 800 X 550
- CB: CANTILEVER BEAM**
 CB-1 IS 500 X 300
 CB-3 IS 600 X 400

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CEPA
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

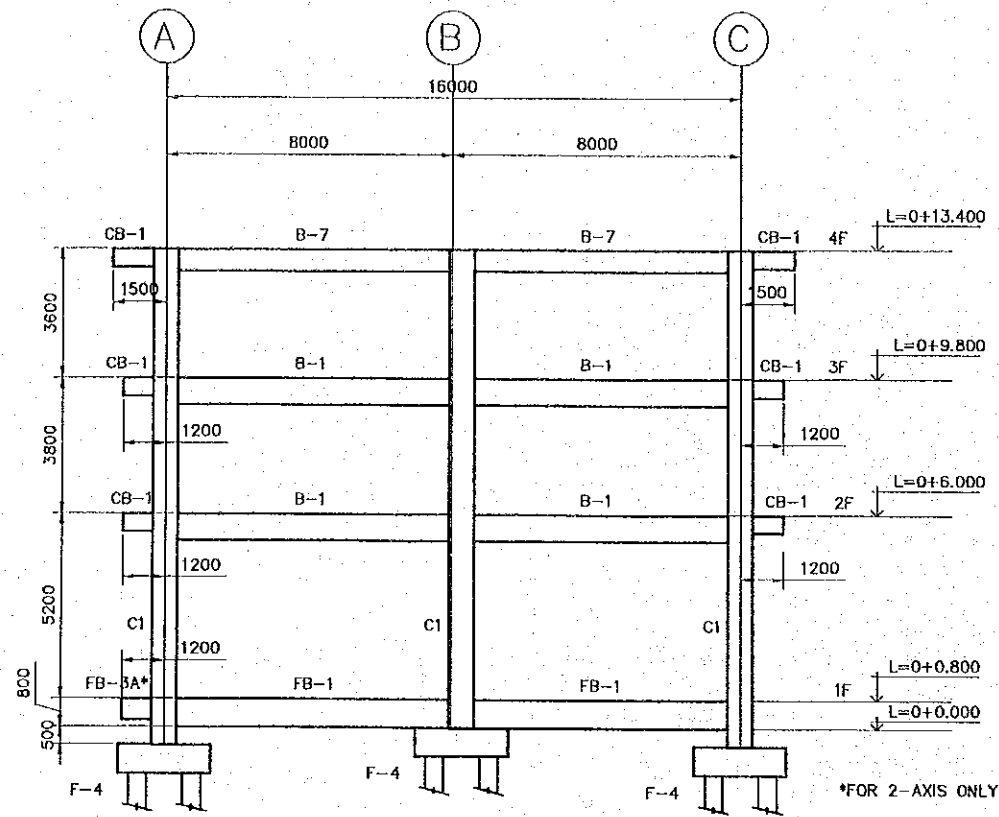
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NK
 NIPPON KOEI CO., LTD.

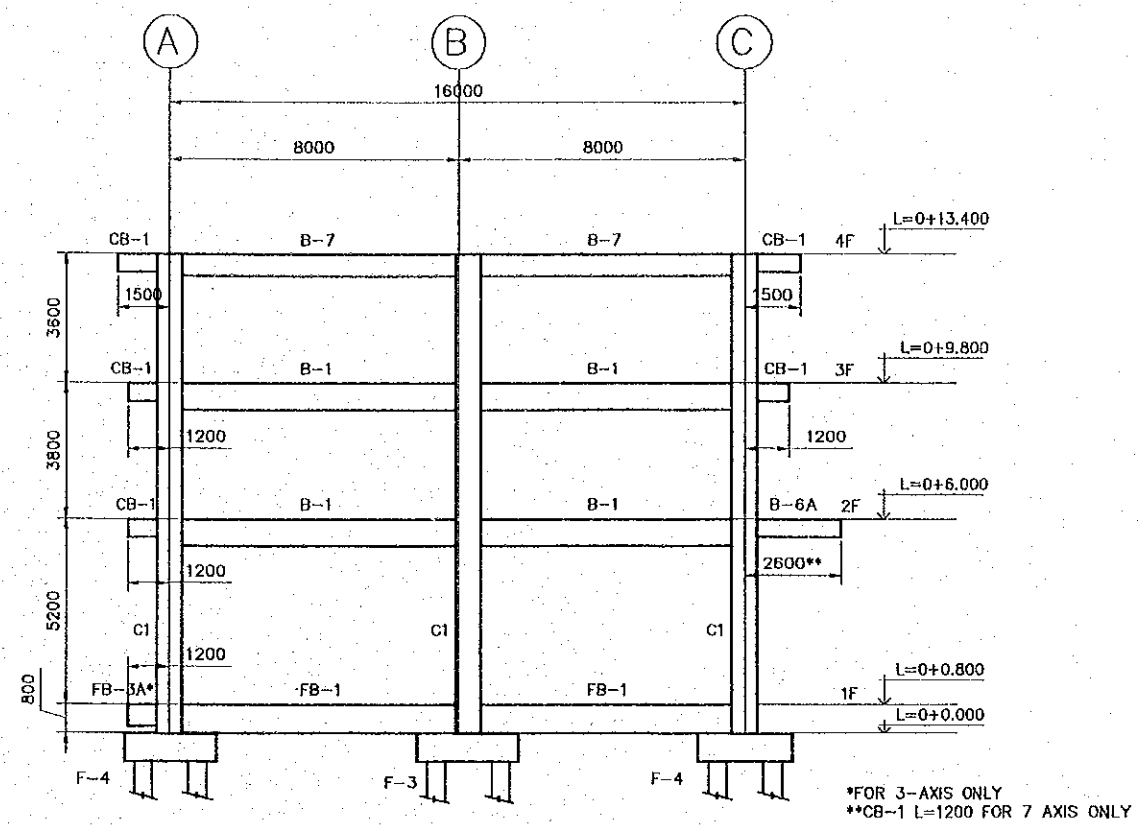
DESIGNED BY:
 CHECKED BY:
 APPROVED BY:

SECTION : BUILDING WORK
 SUB-SECTION : PORT ADMINISTRATION BUILDING
 TITLE : STRUCTURAL SECTION-04 (4,5 & 6-AXIS)

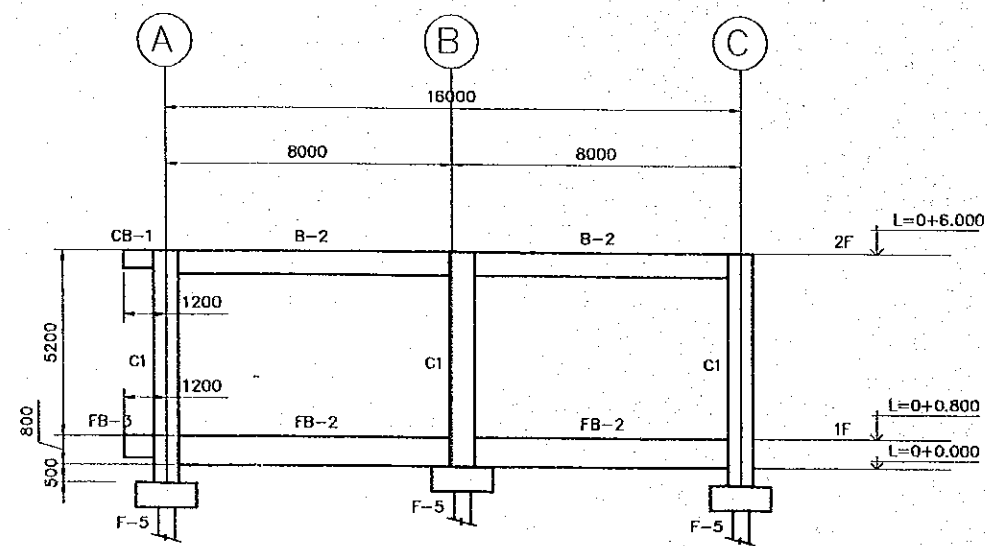
DATE : OCTOBER/2002
 SCALE : 1 : 200
 DRAWING NO: BD-01-057



2 AND 8-AXIS SECTION
SCALE 1:200



3 AND 7-AXIS SECTION
SCALE 1:200



1-AXIS SECTION
SCALE 1:200

- B: BEAM**
 B-1 IS 750 X 400
 B-2 IS 650 X 350
 B-7 IS 600 X 350
- C: COLUMN**
 C-1 IS 700 X 650
- CB: CANTILEVER BEAM**
 CB-1 IS 500 X 300
- FB: FOUNDATION BEAM**
 FB-1 IS 800 X 400
 FB-2 IS 800 X 350
 FB-3,3A IS 600 X 300

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

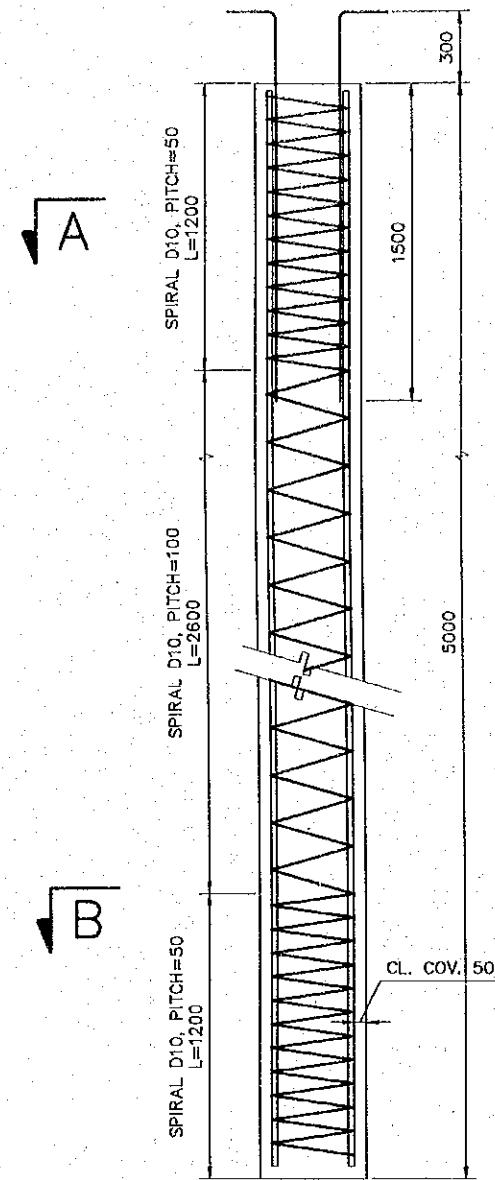


NIPPON KOEI CO., LTD.

DESIGNED BY:
CHECKED BY:
APPROVED BY:

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : STRUCTURAL SECTION-05
(1,2,3,7 & 8-AXIS)

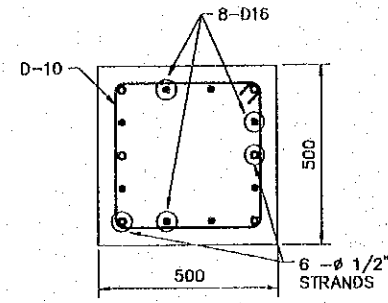
DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-01-05B



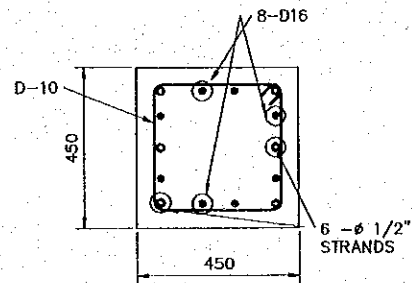
P1, P2
PRECAST PRESTRESS PILE
SCALE 1:30

PILE	BEARING CAPACITY (TON)
P1	91.30
P2	74.00

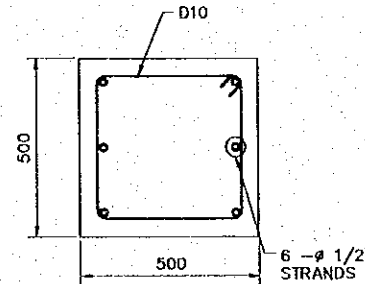
PILE BEARING CAPACITY



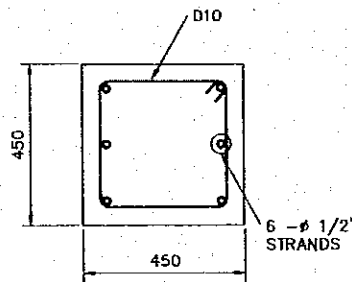
P1
SECTION A-A
SCALE 1:20



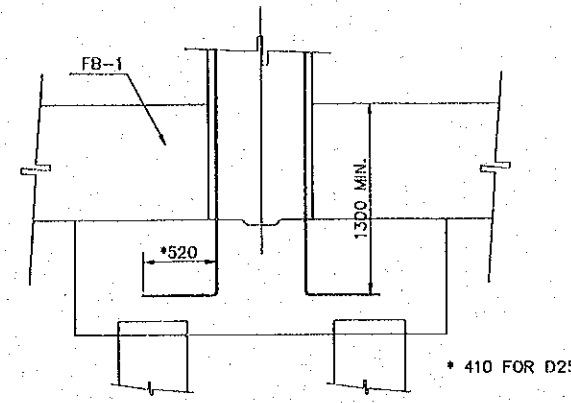
P2
SECTION A-A
SCALE 1:20



P1
SECTION B-B
SCALE 1:20



P2
SECTION B-B
SCALE 1:20



COLUMN C1 & C2
SCALE 1:50

NOTES:

- REFER TO COLUMN AND BEAM SCHEDULE FOR HOOP, TIE AND STIRRUP SIZE AND SPACING.
- SPLICING OF VERTICAL BARS SHALL BE A MINIMUM OF: COMPRESSION, 800 MM FOR D25 AND 950 FOR D32 TENSION, 1500 MM FOR D25 AND 1900 FOR D32
- SPLICE LOCATION FOR VERTICAL BARS SHALL BE AT A HEIGHT BETWEEN FLOOR LEVELS AND SHALL BE ALTERNATE.
- CLEAR COVER IS 50 MM.

LEVEL	MARK	AXIS 1	C1 AXIS D	OTHER
L=0+0.000 TO L=0+6.000	SECTION			
	B x D	700 x 650	700 x 650	700 x 650
	MAIN BAR	20-D25	16-D32	18-D32
	HOOP	D13 @ 250	D13 @ 250	D13 @ 150
	TIE	D10 @ 1000	D10 @ 1000	D10 @ 900

LEVEL	MARK	C2	
L=0+0.000 TO L=0+17.400	SECTION		
	B x D	750 x 650	750 x 650
	MAIN BAR	22-D32	18-D32
	HOOP	D13 @ 150	D13 @ 150
	TIE	D10 @ 900	D10 @ 900

COLUMN SCHEDULE

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

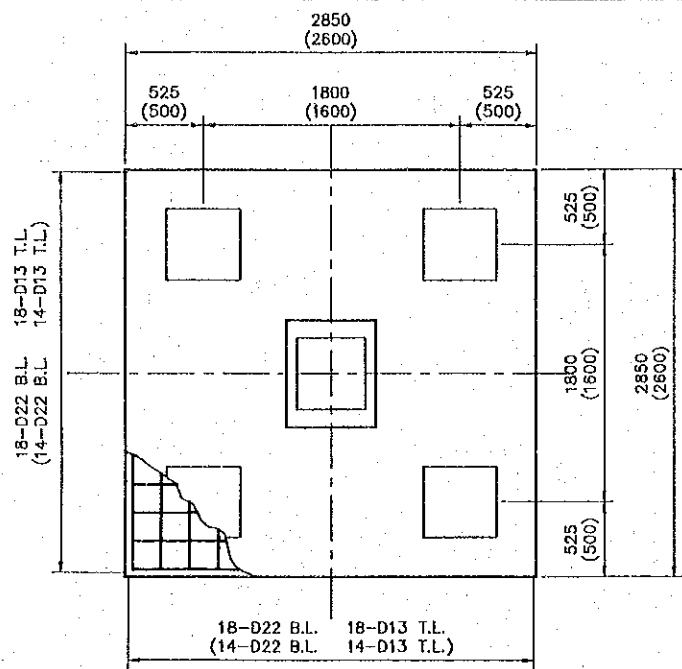
JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
CEPA
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

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

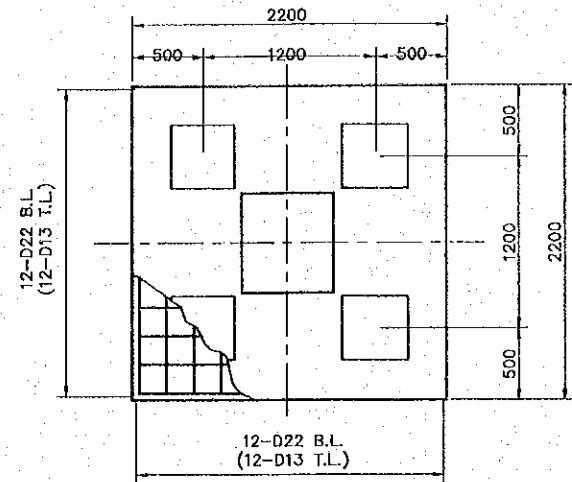
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : STRUCTURAL PILE AND COLUMN SCHEDULE

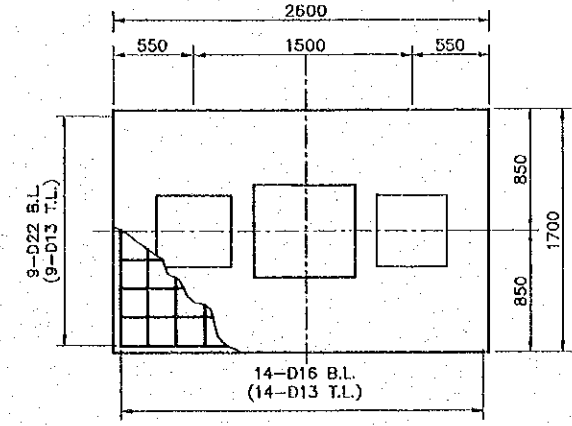
DATE : OCTOBER/2002
SCALE : INDICATED
DRAWING NO : BD-01-059



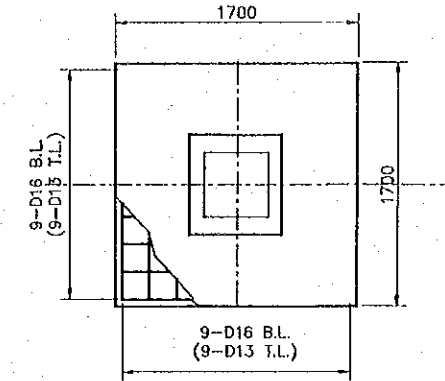
PLAN



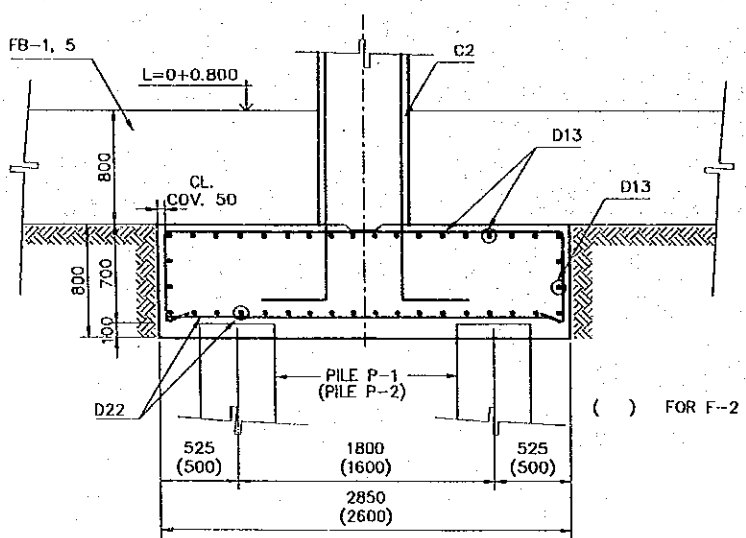
PLAN



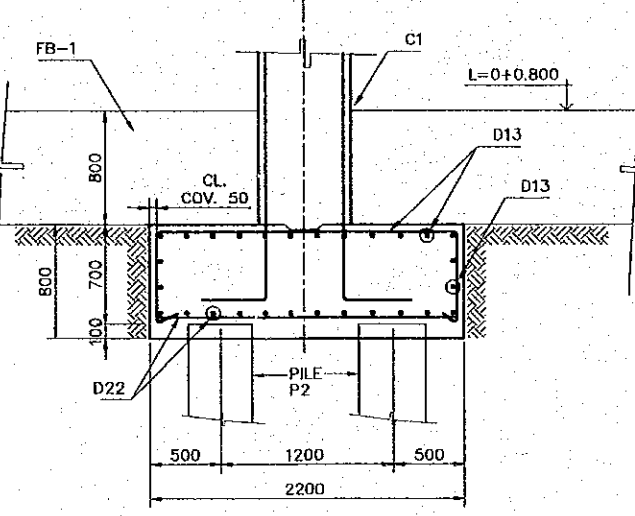
PLAN



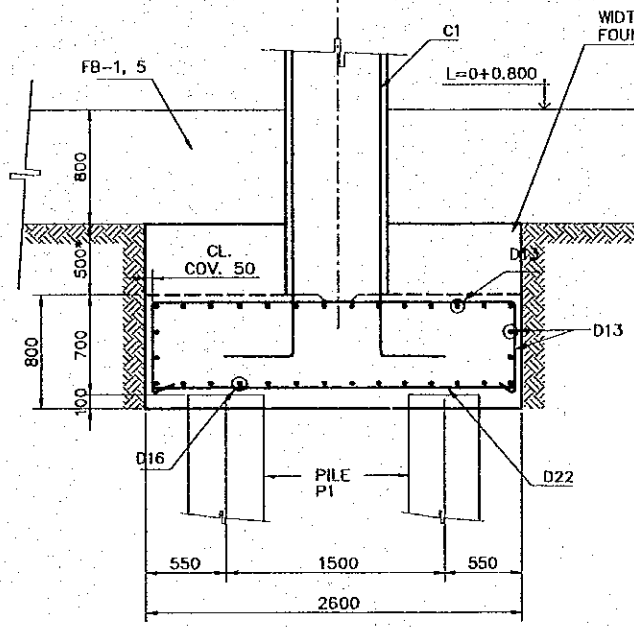
PLAN



ELEVATION F-1, F-2 FOUNDATION SCALE 1:50

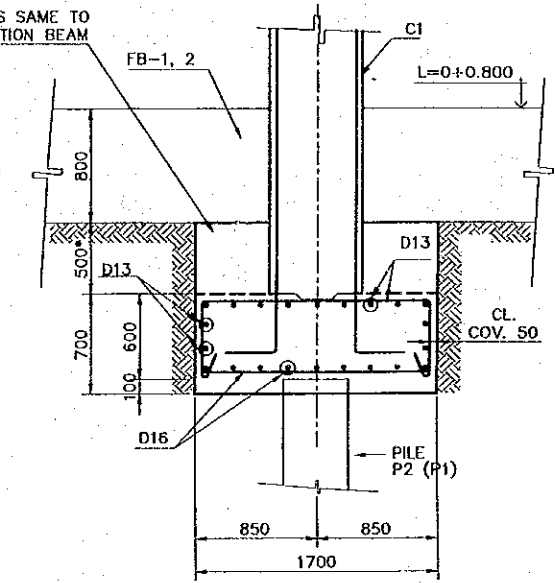


ELEVATION F-3 FOUNDATION SCALE 1:50



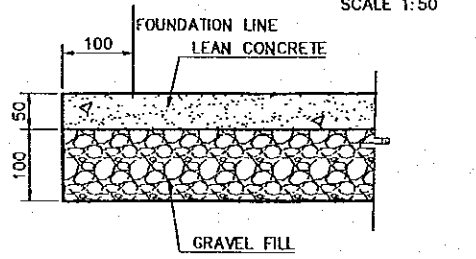
* FOR EXTERIOR COLUMNS ON AXIS 2, 4, 6, 8, EXCEPT FOUNDATION 8-B

ELEVATION F-4 FOUNDATION SCALE 1:50



() FOR F-5A
* ONLY FOR F-5 EXCEPT FOR FOUNDATION ON AXIS 1-B AND AXIS 5-D

ELEVATION F-5, F-5A FOUNDATION SCALE 1:50



FOUNDATION BEDDING SCALE 1:10

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

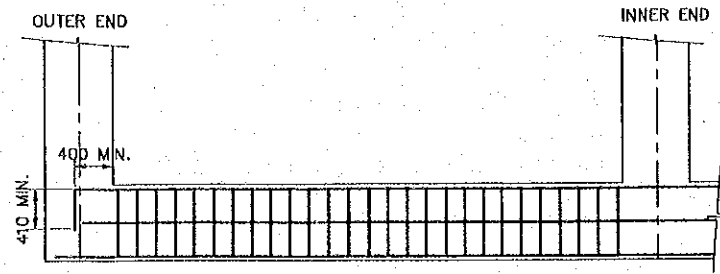
JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
Cepa
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

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

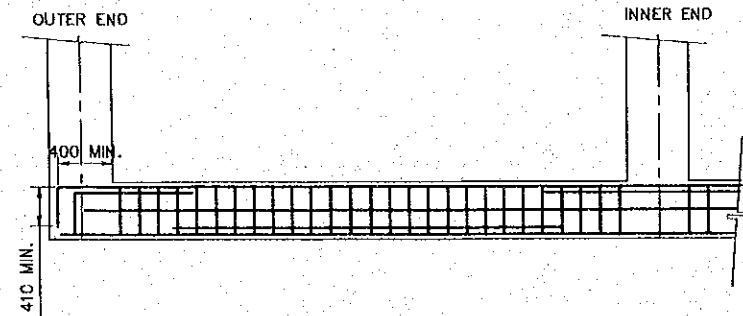
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : STRUCTURAL FOUNDATION SCHEDULE

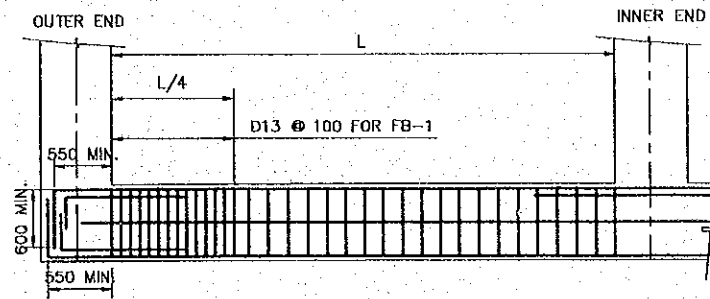
DATE : OCTOBER/2002
SCALE : INDICATED
DRAWING NO. : BD-01-060



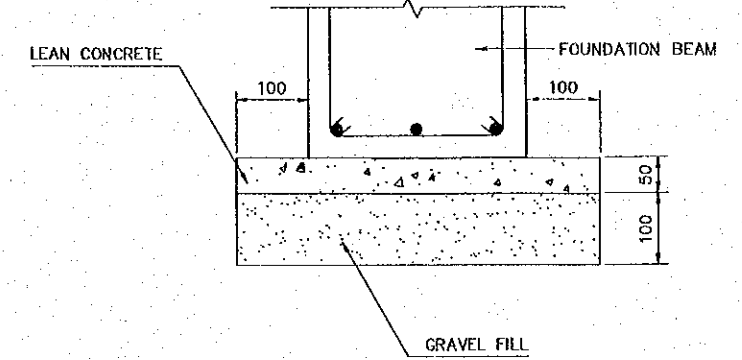
FB-2, FB-3, FB-4 ELEVATION
SCALE 1:75



FB-3A, FB-4A ELEVATION
SCALE 1:75



FB-1, FB-5 ELEVATION
SCALE 1:75



FOUNDATION BEAM BEDDING
SCALE 1:10

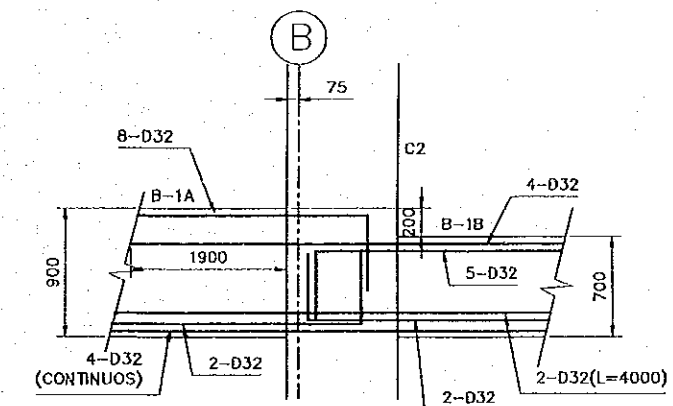
MARK	FB-1			MARK	FB-2	MARK	FB-3 (FB-3A)		MARK	FB-4 (FB-4A)		MARK	FB-5		
PORTION	OUTER END	CENTER	INNER END	PORTION	ALL	PORTION	OUTER END	CENTER	PORTION	OUTER END	CENTER	PORTION	OUTER END	CENTER	INNER END
SECTION				SECTION		SECTION			SECTION			SECTION			
B x D	400 X 800			B x D	350 X 800	B x D	300 X 600		B x D	250 X 400		B x D	550 X 800		
TOP BAR	7-D32	4-D32	5-D32	TOP BAR	3-D25	TOP BAR	3-D25 (5-D25)	3-D25	TOP BAR	2-D25	2-D25	TOP BAR	9-D32	5-D32	7-D32
BOTTOM BAR	7-D32	4-D32	4-D32	BOTTOM BAR	3-D25	BOTTOM BAR	3-D25	3-D25 (5-D25)	BOTTOM BAR	2-D25	2-D25 (4-D25)	BOTTOM BAR	9-D32	5-D32	5-D32
STIRRUP	D13@100	D13@200	D13@200	STIRRUP	D13 @ 200	STIRRUP	D13@200		STIRRUP	D10@200		STIRRUP	D13@150		
WEB BAR	2-D10			WEB BAR	2-D10	WEB BAR	2-D10		WEB BAR	-		WEB BAR	2-D10		
TIE	D10 @ 1000			TIE	D10 @ 1000	TIE	D10 @ 1000		TIE	-		TIE	D10 @ 1000		

FOUNDATION BEAM SCHEDULE

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 :
									STRUCTURAL FOUNDATION BEAM SCHEDULE	INDICATED
										DRAWING NO. : BD-01-061

MARK	B-1			B-1A			B-1B		B-2, 2A		B-3, 3A		
	OUTER END	CENTER	INNER END	OUTER END	CENTER	INNER END	ENDS	CENTER	ENDS	CENTER	INNER END	CENTER	OUTER END
SECTION													
B x D	400 X 750			400 X 900			600 X 700		350 X 650		300 X 550		
TOP BAR	6-D32	4-D32	6-D32	8-D32	4-D32	8-D32	9-D32	4-D32	6-D32 (5-D32)	3-D32	4-D25 (3-D25)	3-D25	3-D25
BOTTOM BAR	4-D32 + 2-D25	4-D32	4-D32 + 2-D25	7-D32	4-D32	6-D32	8-D32	4-D32	5-D32 (4-D32)	3-D32	3-D25	3-D25	3-D25
STIRRUP	D13@200			D13@200			D13@200		D13@200		D13@200		
WEB BAR	2-D16			4-D16			2-D16		2-D16		2-D16		
TIE	D10 @ 1000			D10@1000			D10@1000		D10@1000		D10@1000		

MARK	B-4			B-5		B-6, 6A		B-7		
	OUTER END	CENTER	CANTILEVER	END	CENTER	ENDS	CENTER	OUTER END	CENTER	INNER END
SECTION										
B x D	300 X 600			250 X 400		350 X 650		350 X 600		
TOP BAR	4-D25	3-D25	5-D25	3-D25	2-D25	3-D32 (4-D25)	3-D32 (3-D25)	3-D32 + 2-D25	2-D32	5-D32
BOTTOM BAR	3-D25	3-D25	3-D25	2-D25	2-D25 (3-D25)	3-D32 (3-D25)	4-D32 (3-D25)	5-D25	6-D25	6-D25
STIRRUP	D13@200			D10@150		D13@200		D13@200		
WEB BAR	2-D16			2-D13		2-D16		2-D16		
TIE	D10@1000			D10@900		D10@1000		D10@1000		



FOURTH LEVEL
BEAM CONNECTION
SCALE 1:50

BEAM SCHEDULE FOR SECOND TO FOURTH FLOOR

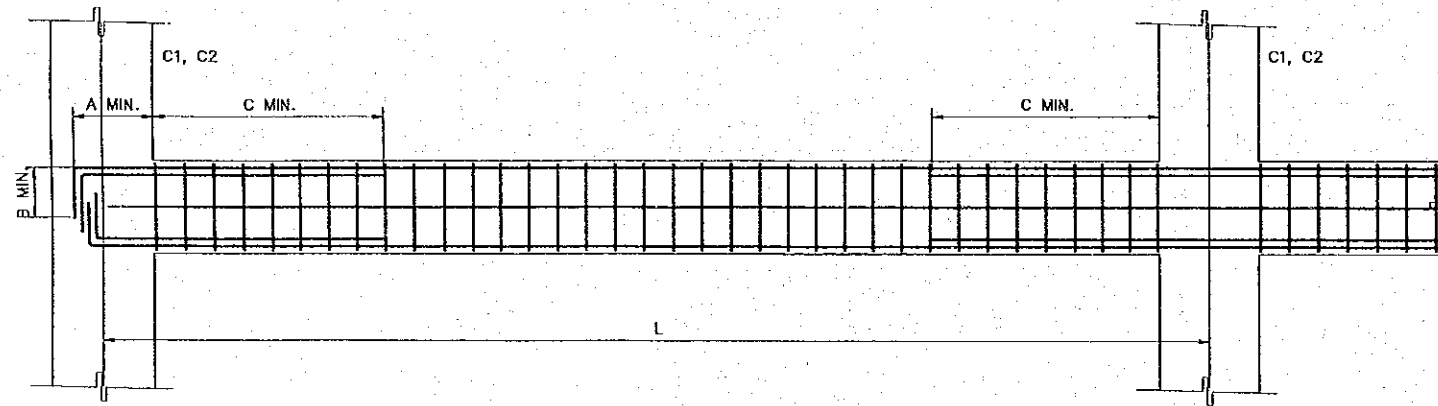
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</p> <p>CEPA COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>NIPPON KOEI CO., LTD.</p>	DESIGNED BY :	SECTION : BUILDING WORK SUB-SECTION : PORT ADMINISTRATION BUILDING TITLE : STRUCTURAL BEAM SCHEDULE-01	DATE :	OCTOBER/2002
					CHECKED BY :			SCALE :		INDICATED	
					APPROVED BY :			DRAWING NO. :		BD-01-062	

MARK	B-1		B-2, B-2A		B-3		B-5			B-7, 7A	
	ENDS	CENTER	ENDS	CENTER	ENDS	CENTER	OUTER END	CENTER	INNER END	COLUMN END	OTHER
SECTION											
			() INDICATES B-2A							() INDICATES B-7A	
B x D	400 X 750		350 X 650		300 X 550		250 X 400			350 X 600	
TOP BAR	7-D32	4-D32	6-D32 (5-D32)	4-D32	4-D25 (3-D25)	3-D25	3-D25	2-D25	4-D25	6-D32 (5-D32)	4-D32 (3-D32)
BOTTOM BAR	6-D32	4-D32	5-D32 (4-D32)	4-D32	3-D25	3-D25	2-D25	2-D25	2-D25	4-D32 (4-D32)	4-D32 (3-D32)
STIRRUP	D13@200		D13@200		D13@200		D10@150			D13@200	
WEB BAR	2-D16		2-D16		2-D16		2-D13			2-D16	
TIE	D10 @ 1000		D10@1000		D10@200		D10@900			D10@1000	

BEAM SCHEDULE FOR FIFTH FLOOR TO ROOF

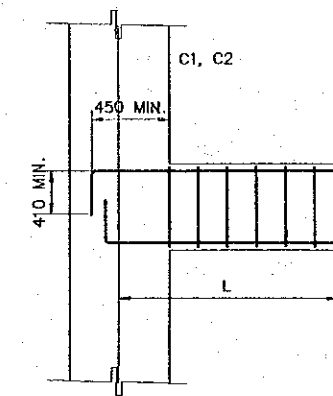
MARK	CB-1	CB-2	CB-3
	ALL	ALL	ALL
SECTION			
B x D	300 X 500	400 X 400	400 X 600
TOP BAR	3-D25	3-D25	4-D25
BOTTOM BAR	3-D25	3-D25	4-D25
STIRRUP	D10@200	D13@200	D13@200
WEB BAR	--	--	2-D10
TIE	--	--	D10@1000

CANTILEVER BEAM SCHEDULE



BEAM ELEVATION
SCALE 1:50

LENGTH	BAR DIAMETER	
	D25	D32
A	400	500
B	410	550
C	1600	1900

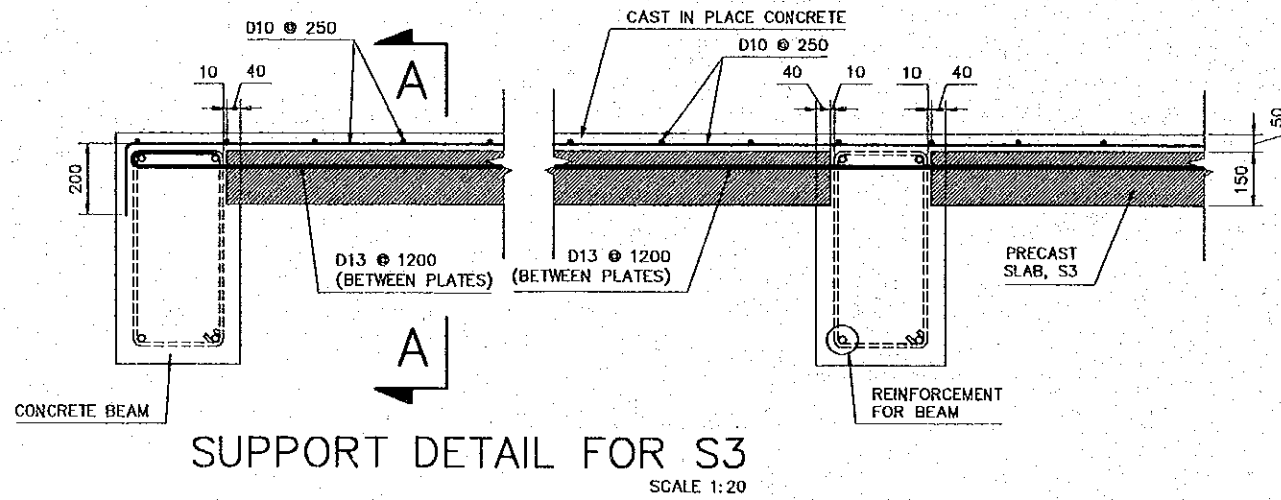
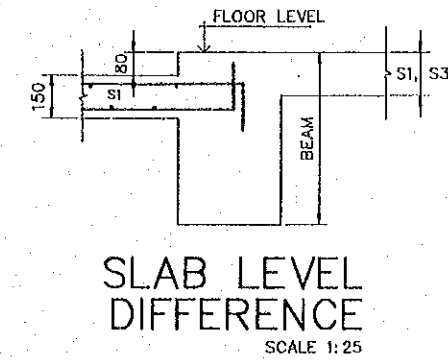
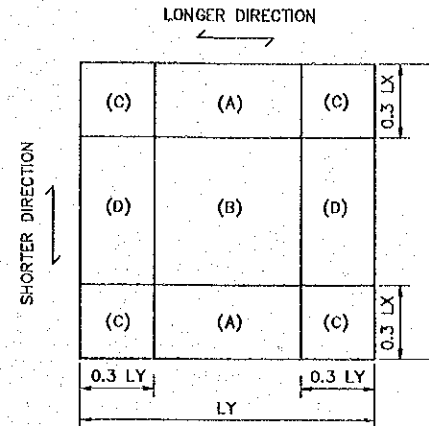


CANTILEVER BEAM ELEVATION
SCALE 1:50

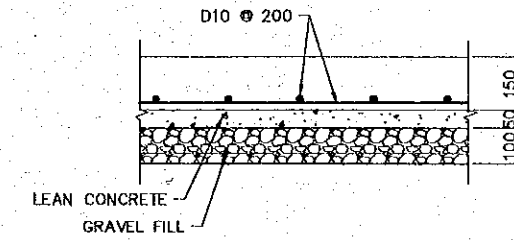
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : BUILDING WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : PORT ADMINISTRATION BUILDING	SCALE : INDICATED
								APPROVED BY :	TITLE : STRUCTURAL BEAM SCHEDULE-02	DRAWING NO : BD-01-063

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	150	TOP	D10-Ø200		-		D10-Ø250		-	
		BOTTOM	D10-Ø200		-		D10-Ø250		-	
S2	120	TOP	D10-Ø200		-		D10-Ø250		-	
		BOTTOM	D10-Ø200		-		D10-Ø250		-	
S4	150	TOP	D13-Ø200		-		D13-Ø200		-	
		BOTTOM	D10-Ø200		-		D10-Ø200		-	
S5	150	TOP	D10-Ø300		-		D10-Ø200		-	
		BOTTOM	D10-Ø300		-		D10-Ø200		-	
CS1	150	TOP	D13-Ø200		-		D10-Ø200		-	
		BOTTOM	D10-Ø200		-		D10-Ø200		-	

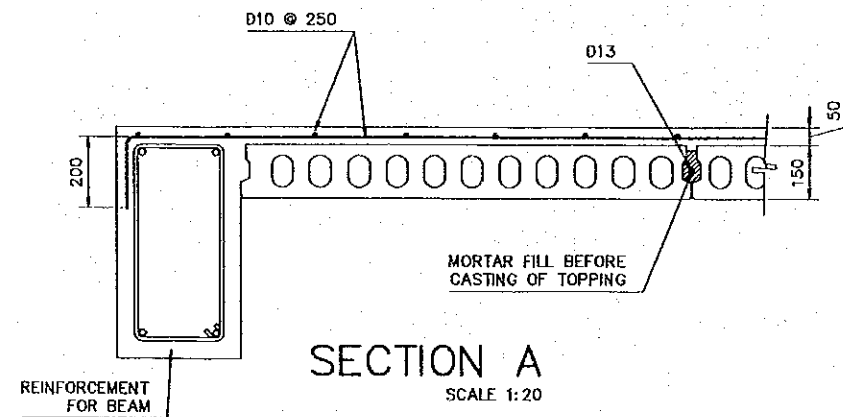
SLAB SCHEDULE



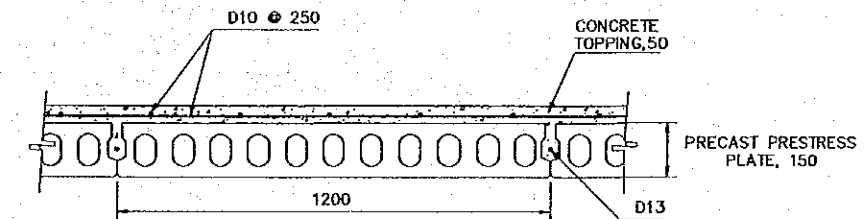
SUPPORT DETAIL FOR S3



SLAB S0, ON SOIL GRADE

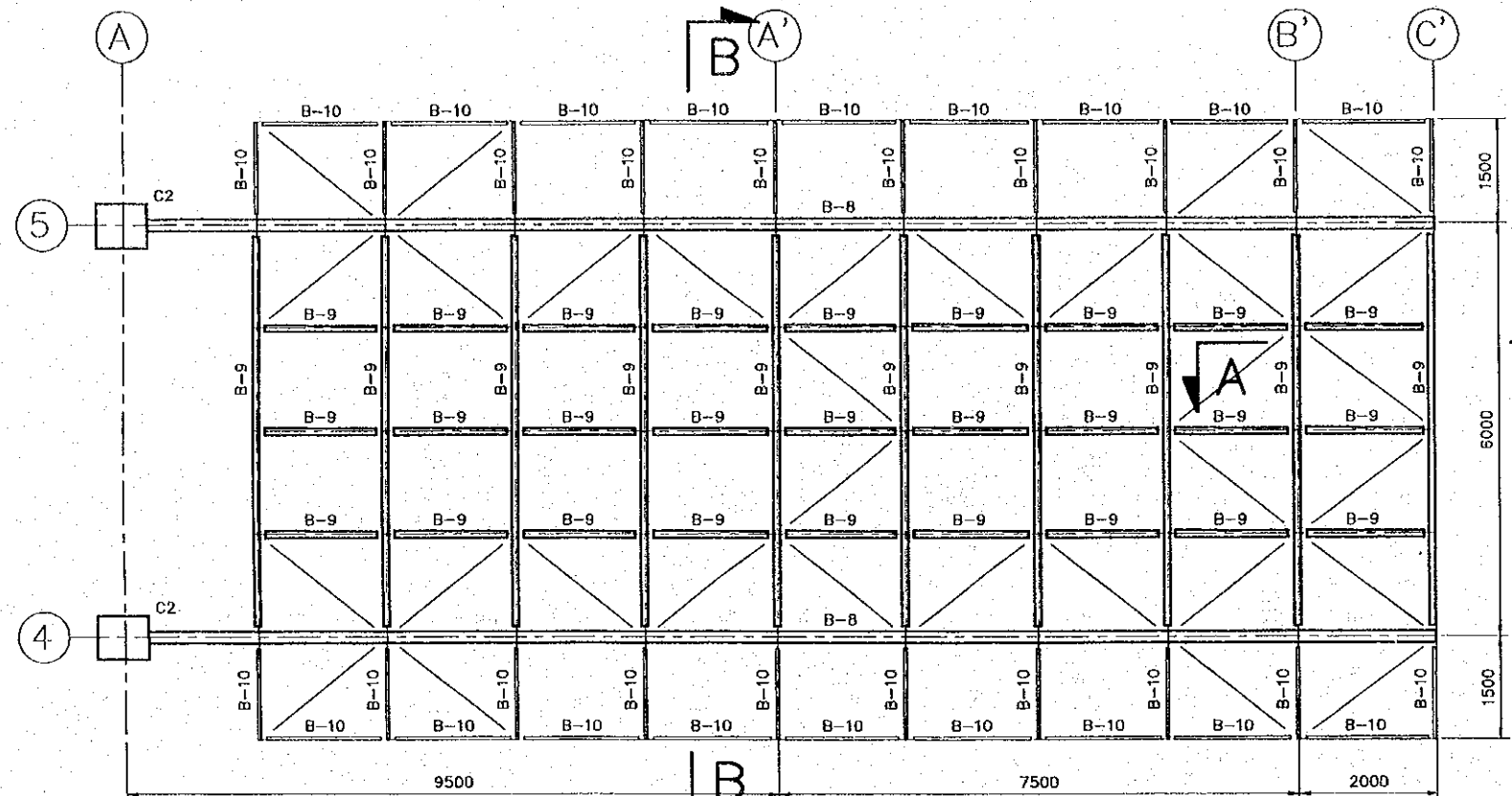


SECTION A



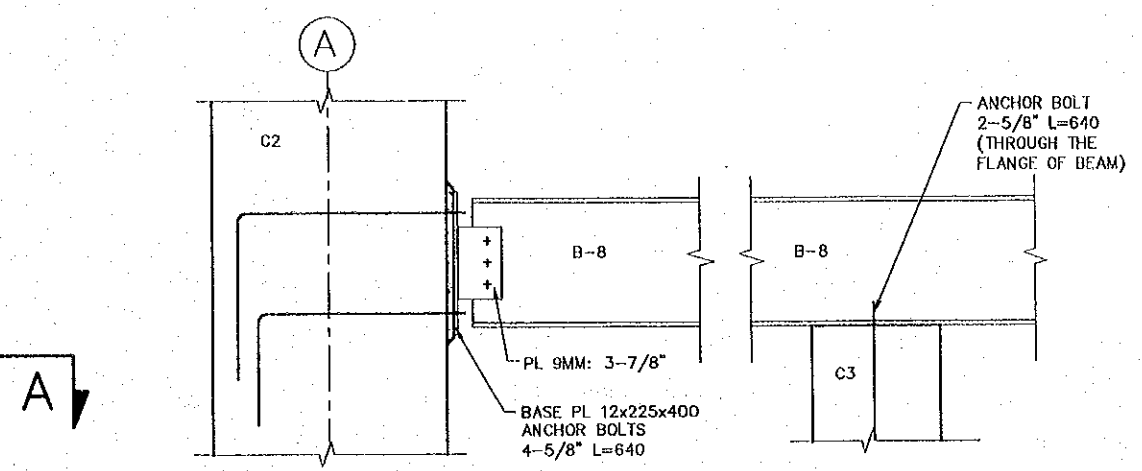
PRECAST PRESTRESS SLAB, S3

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</p> <p>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 : PORT ADMINISTRATION BUILDING	SCALE : INDICATED
								APPROVED BY :	TITLE : STRUCTURAL SLAB SCHEDULE	DRAWING NO: BD-01-064

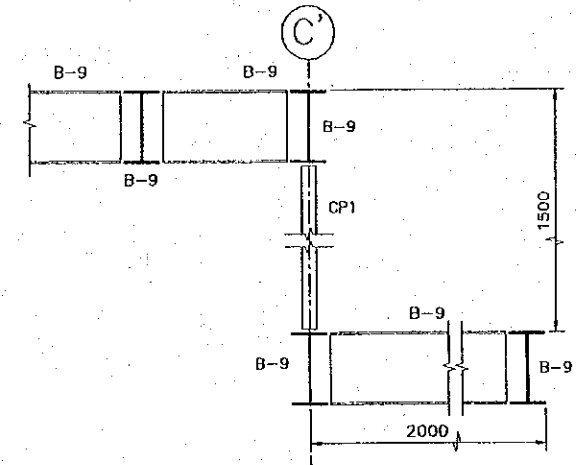


ROOF PLAN
SCALE 1:100

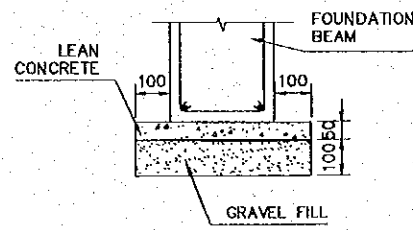
NOTES:
ALL DIAGONAL ELEMENT INDICATED ARE BR-1
PURLIN IS C4 x 2 x 1/16" @ 1000



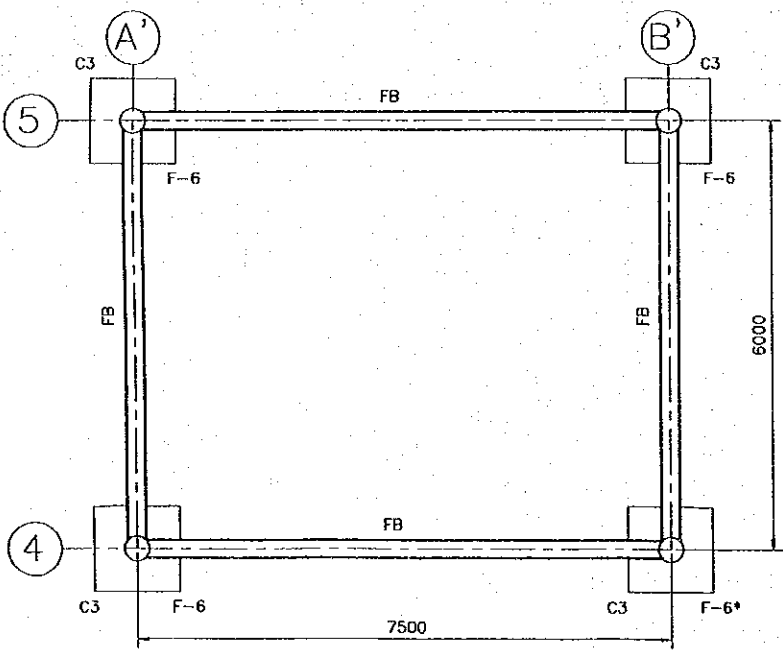
B-8 CONNECTION DETAIL
SCALE 1:20



SECTION A
SCALE 1:20

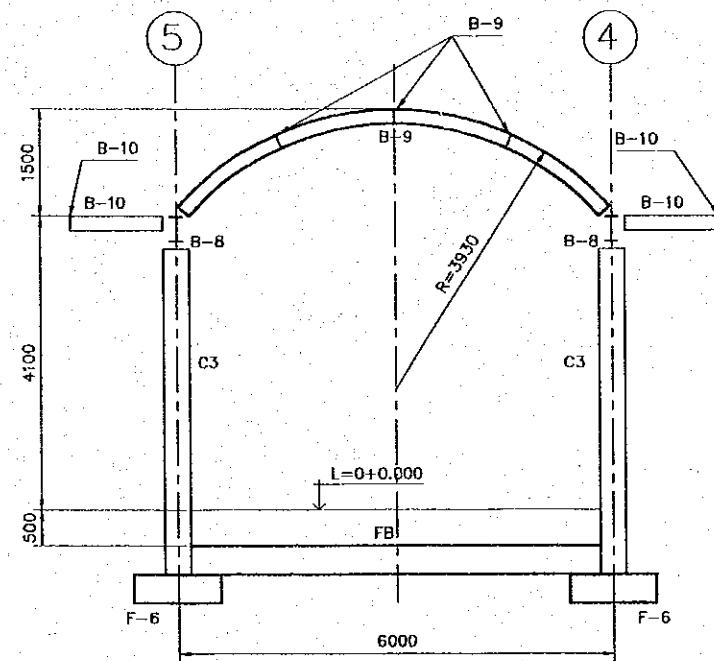


FOUNDATION BEAM BEDDING
SCALE 1:20



FOUNDATION PLAN
SCALE 1:100

*F-6 IS 1200 x 1200 x 400
SEE DETAIL IN DRAWING NO.
BD-01-066



SECTION B
SCALE 1:100

MARK	FB	MARK	C3
PORTION	ALL	PORTION	ALL
SECTION		SECTION	
B x D	250 X 400	D	φ 350
TOP BAR	2-D25	MAIN BAR	5-D25
BOTTOM BAR	2-D25	HOOP	D10 @ 200
STIRRUP	D10 @ 200		

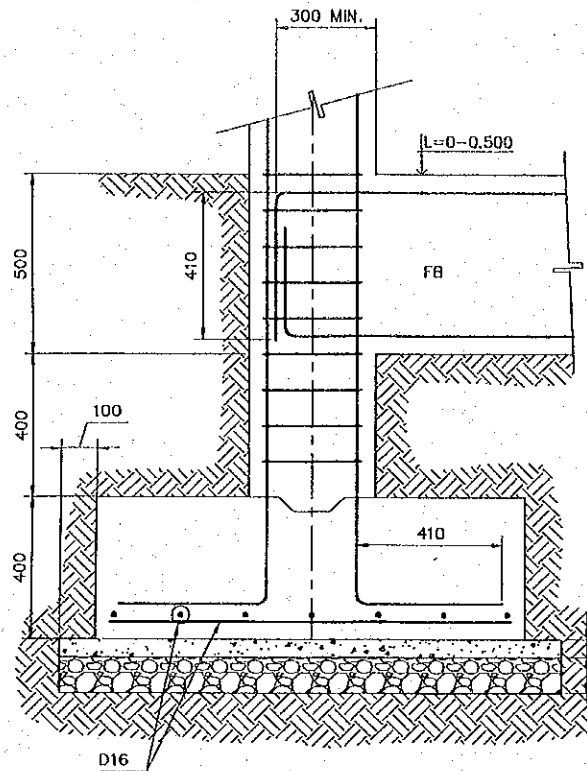
MARK	MEMBER	PIN CONNECTIONS
B-8	W14X34	ANCHOR BOLT 2 OR 4-5/8" L=640
B-9	W8X10	PL9, 2-7/8"
B-10	C8X13.75	PL9, 2-7/8"
CP1	C4X5.4	PL9, 2-7/8"
BR-1	D16 BAR	PL9, 1-7/8"

NOTES:
ALL IS FILLET WELDING
PLATE THICKNESS → PL9, 2-7/8"
DIAMETER OF BOLTS →
NUMBER OF BOLTS →

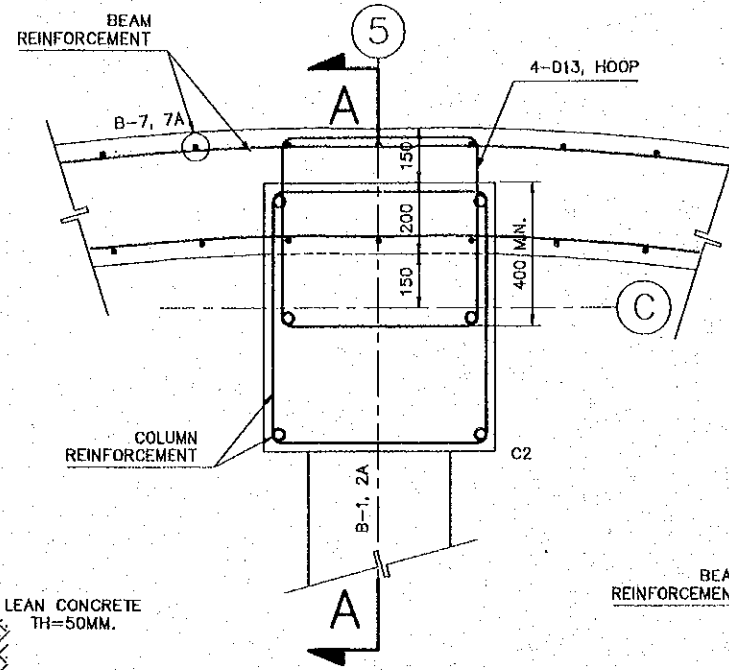
CONCRETE MEMBER SCHEDULE

STEEL MEMBER SCHEDULE

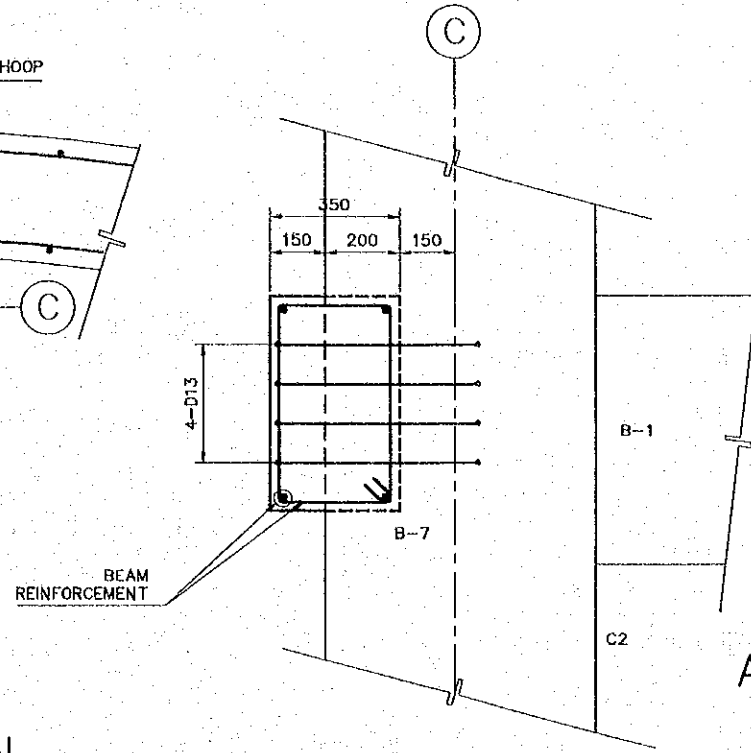
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY:	SECTION :	BUILDING WORK	DATE :	OCTOBER/2002
								CHECKED BY:	SUB-SECTION :	PORT ADMINISTRATION BUILDING	SCALE :	INDICATED
								APPROVED BY:	TITLE :	CANOPY STRUCTURAL DETAILS	DRAWING NO.:	BD-01-065



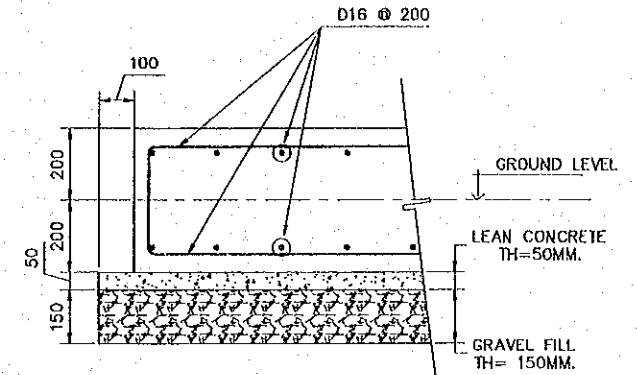
ELEVATION



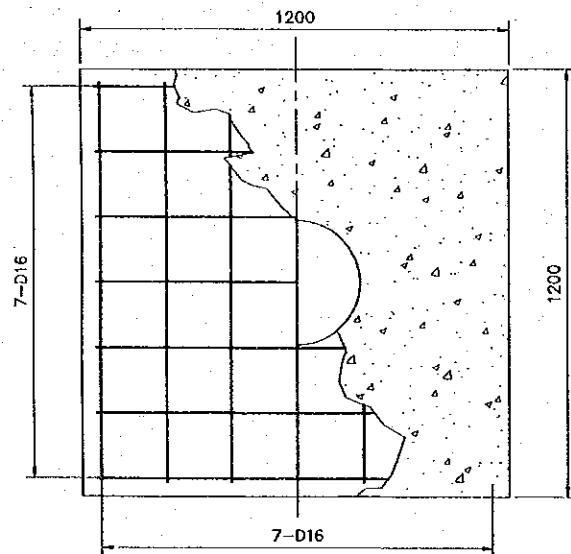
BEAM AND COLUMN CONNECTION
SCALE 1:20



AIR-CONDITIONER EQUIPMENT AREA FOUNDATION
SCALE 1:20

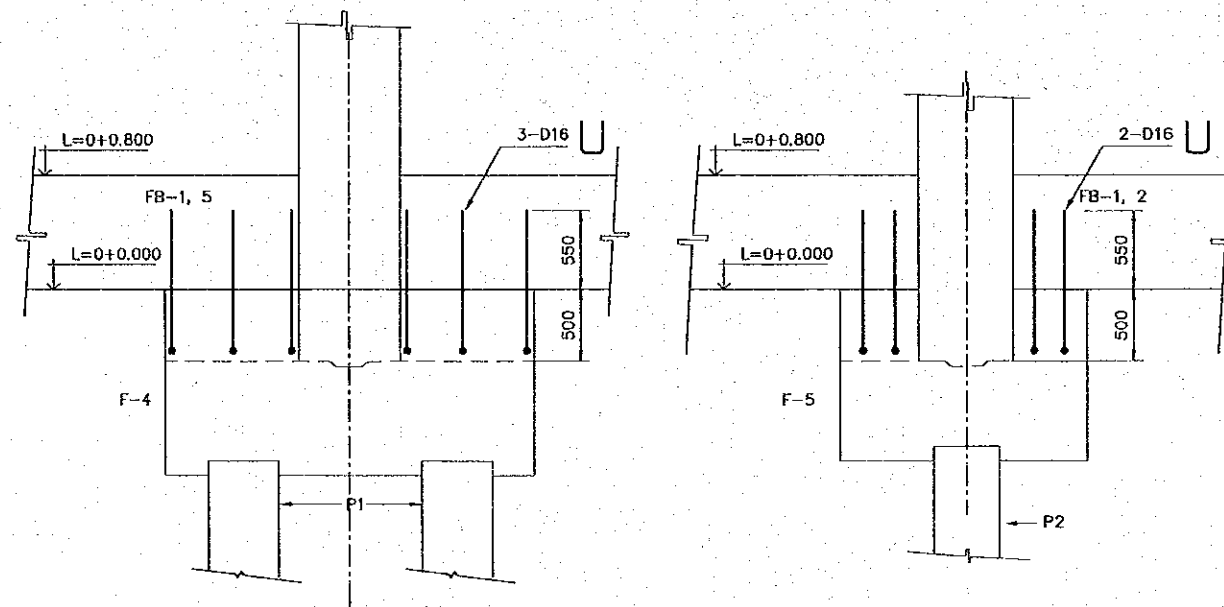


DETAIL OF SLAB LEVEL DIFFERENCE IN FOURTH FLOOR
SCALE 1:20

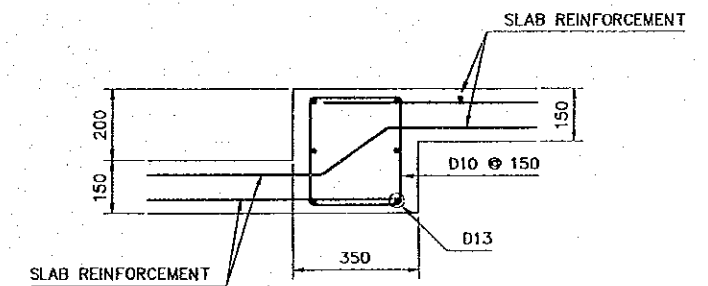


PLAN
SCALE 1:20

F-6 FOUNDATION
SCALE 1:20



REINFORCEMENT FOR FOUNDATION BEAM AND FOUNDATION CONNECTION
SCALE 1:50

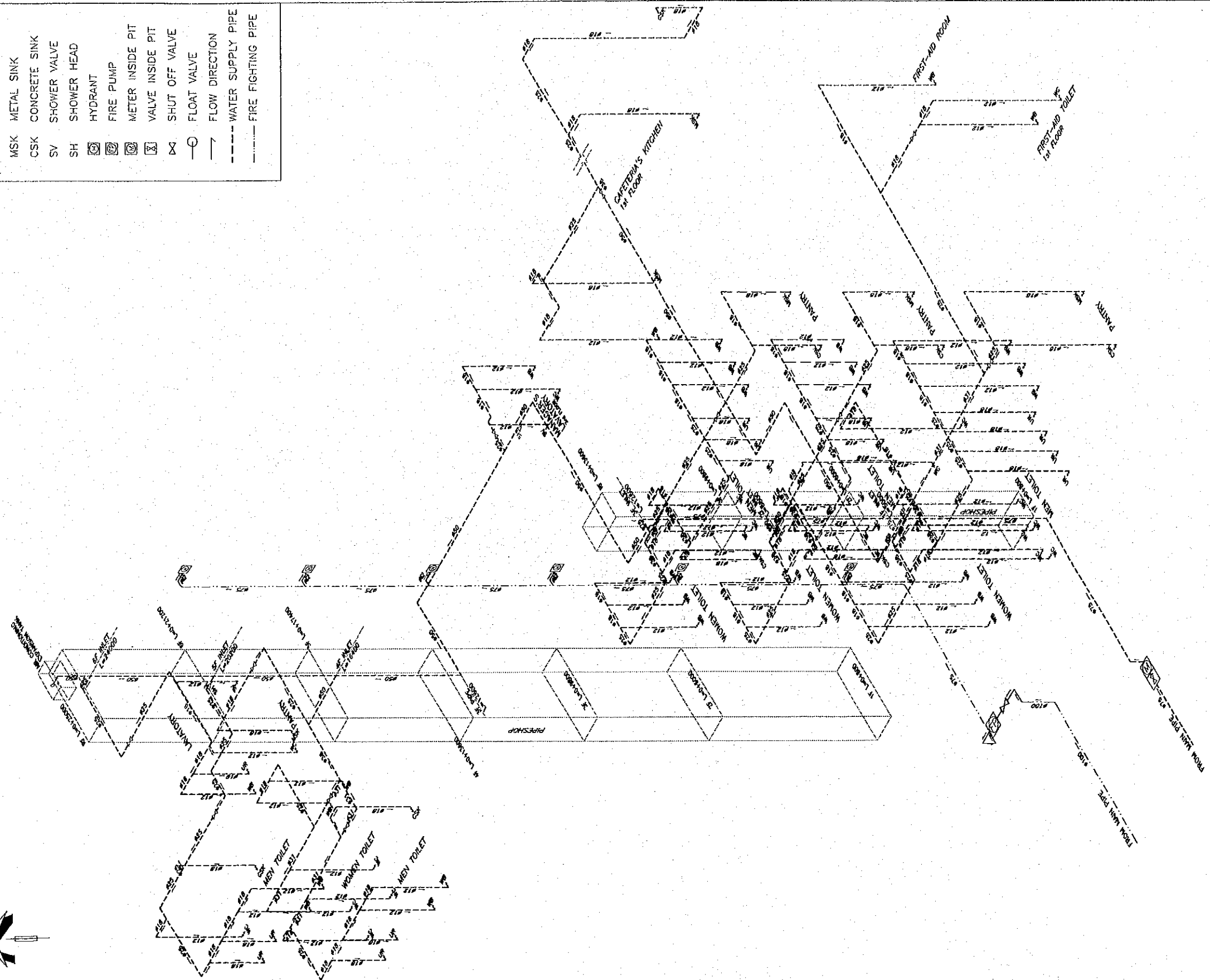


DETAIL OF SLAB LEVEL DIFFERENCE IN FOURTH FLOOR
SCALE 1:20

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 SUB-SECTION : PORT ADMINISTRATION BUILDING TITLE : STRUCTURAL RC DETAILS	DATE : OCTOBER/2002
					CHECKED BY :				SCALE : INDICATED		
									APPROVED BY :		DRAWING NO: BD-01-066

LEGEND

- WC WATER CLOSET
- WB WASH BASIN
- UR URINAL
- MSK METAL SINK
- CSK CONCRETE SINK
- SV SHOWER VALVE
- SH SHOWER HEAD
- HYDRANT
- FIRE PUMP
- METER INSIDE PIT
- VALVE INSIDE PIT
- SHUT OFF VALVE
- FLOAT VALVE
- FLOW DIRECTION
- WATER SUPPLY PIPE
- FIRE FIGHTING PIPE

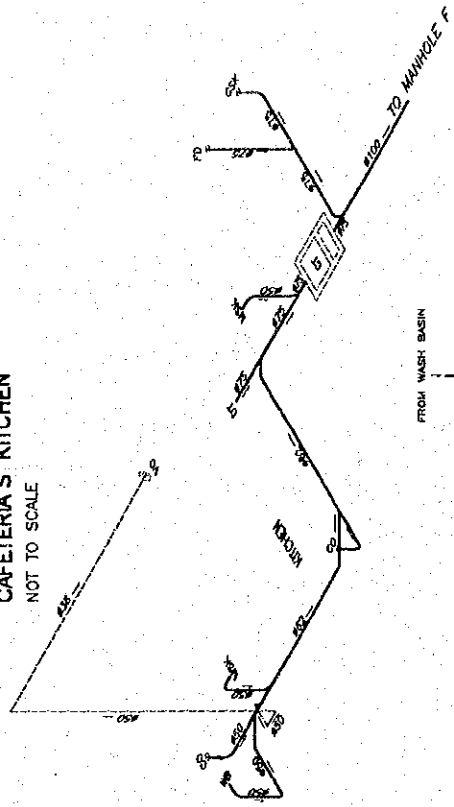


WATER SUPPLY PLUMBING ISOMETRIC
NOT TO SCALE

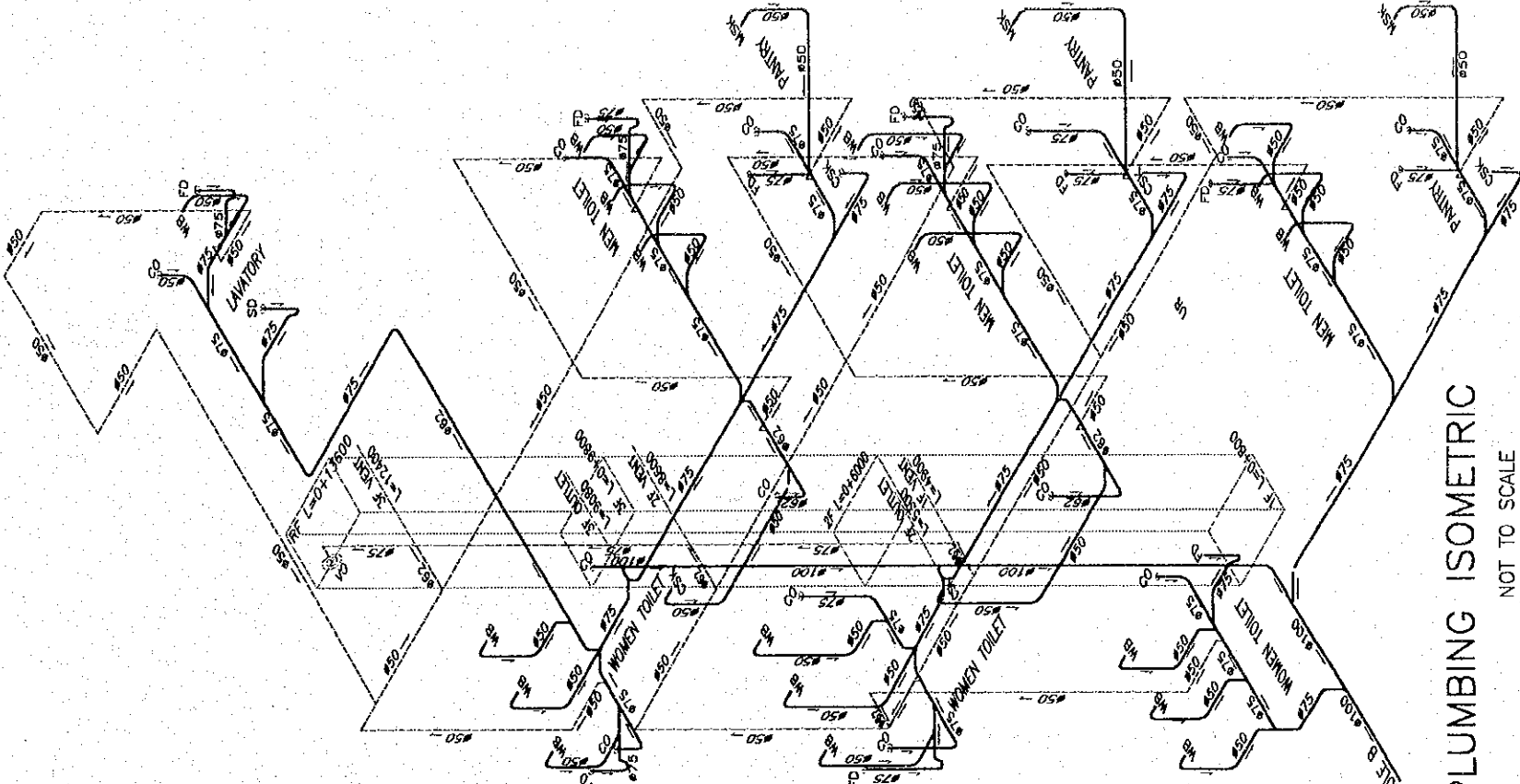
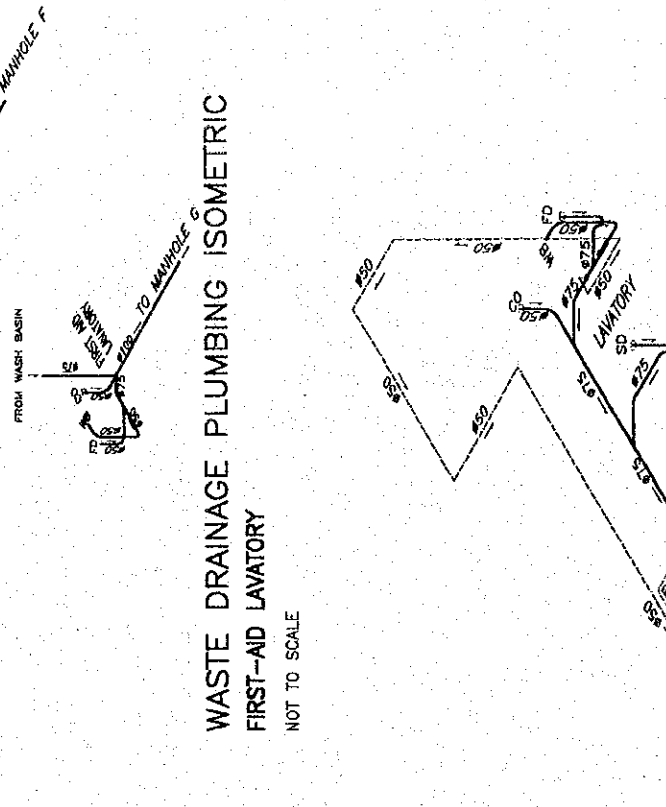


	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	NIPPON KOEI CO., LTD.	DESIGNED BY : CHECKED BY : APPROVED BY :	SECTION : BUILDING WORK SUB-SECTION : PORT ADMINISTRATION BUILDING TITLE : WATER SUPPLY PLUMBING ISOMETRIC	DATE : OCTOBER/2002 SCALE : NOT TO SCALE DRAWING NO. : BD-01-068
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

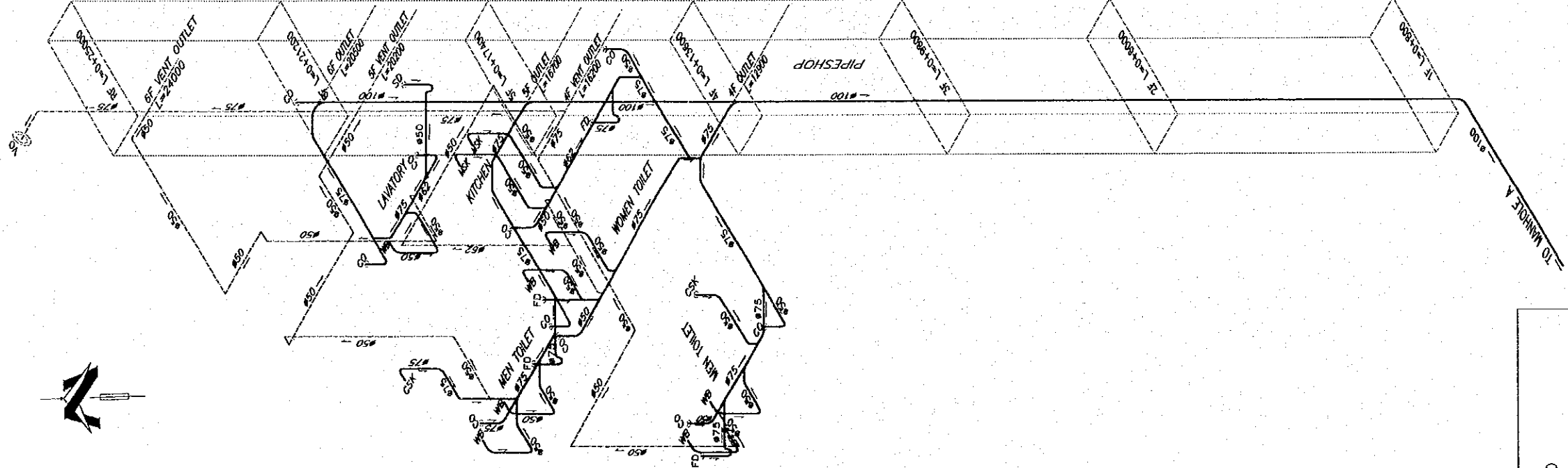
WASTE DRAINAGE PLUMBING ISOMETRIC
CAFETERIA'S KITCHEN
NOT TO SCALE



WASTE DRAINAGE PLUMBING ISOMETRIC
FIRST-AID LAVATORY
NOT TO SCALE



WASTE DRAINAGE PLUMBING ISOMETRIC
GENERAL
NOT TO SCALE



LEGEND	
VO	VENT OUTLET
CO	CLEAN OUT
WB	WASH BASIN
MSK	METAL SINK
CSK	CONCRETE SINK
FD	FLOOR DRAIN
SD	SHOWER DRAIN
⊗	GREASE TRAP
DT	DRAIN TRENCH
⌋	TRAP
---	WASTE DRAINAGE PIPE
- - -	VENT PIPE
→	FLOW DIRECTION

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
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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 :

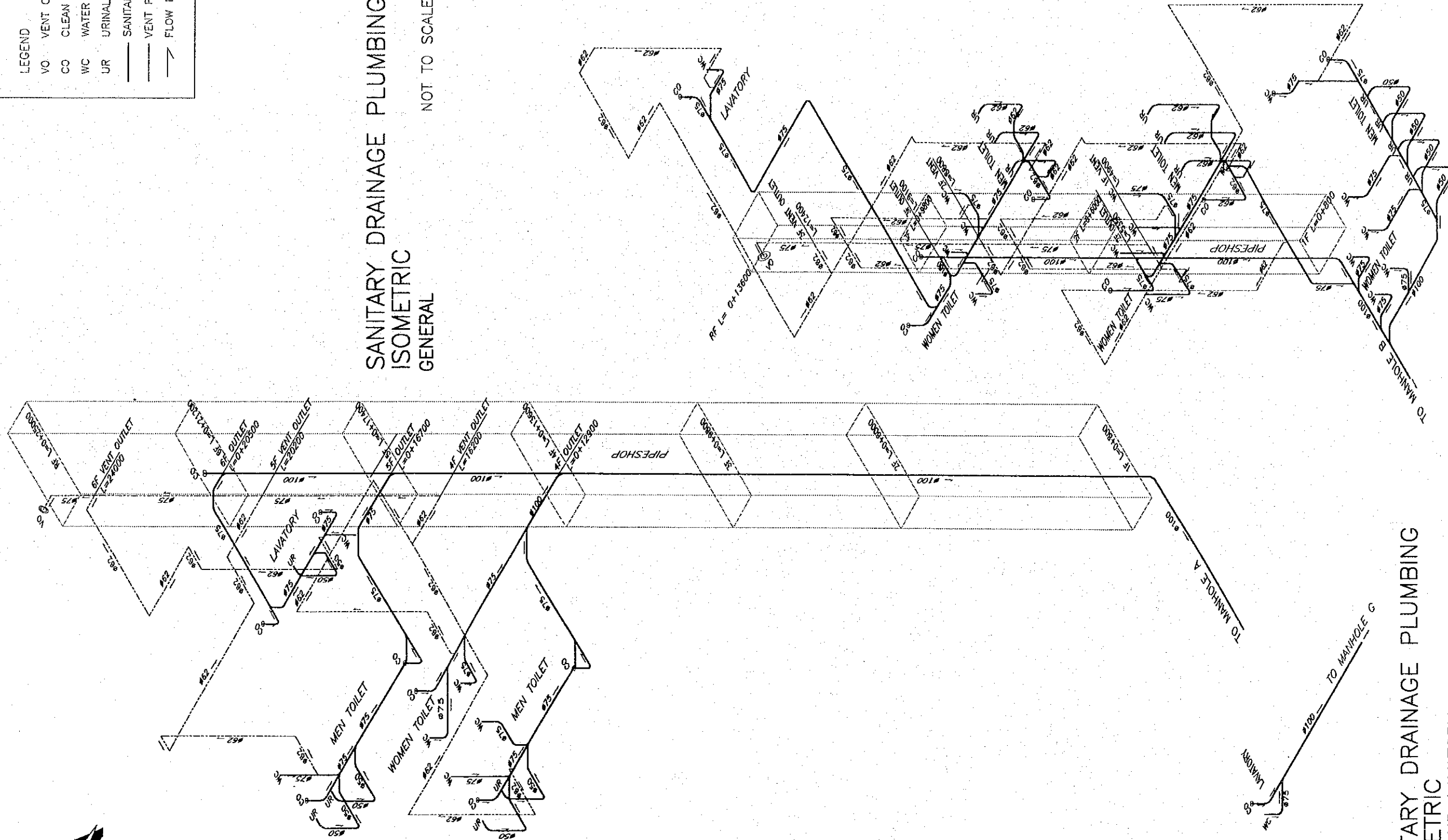
SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : WASTE DRAINAGE PLUMBING ISOMETRIC

DATE : OCTOBER/2002
SCALE : NOT TO SCALE
DRAWING NO. : 80-01-069

- LEGEND
- VO VENT OUTLET
 - CO CLEAN OUT
 - WC WATER CLOSET
 - UR URINAL
 - SANITARY DRAINAGE
 - VENT PIPE
 - FLOW DIRECTION

SANITARY DRAINAGE PLUMBING
ISOMETRIC
GENERAL

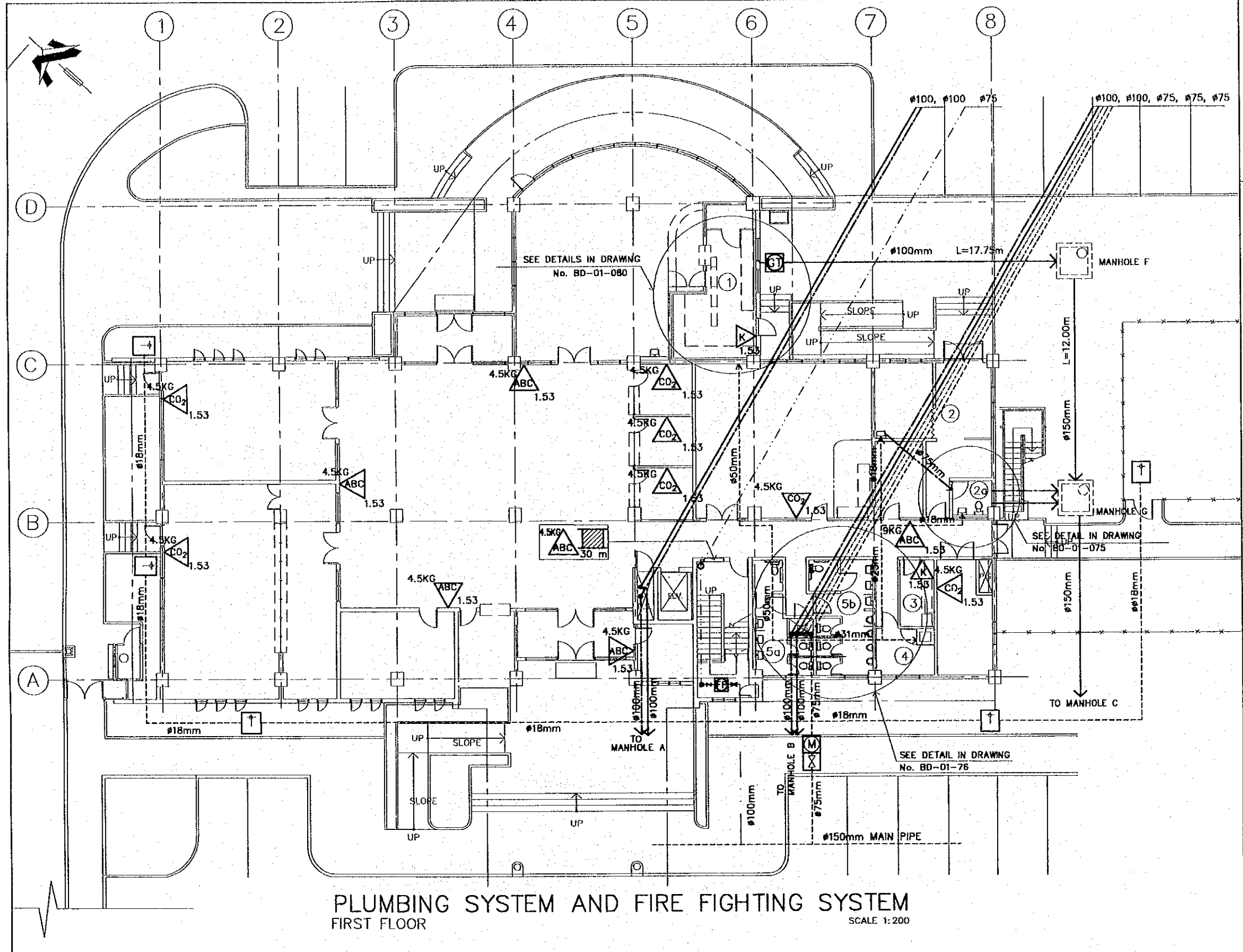
NOT TO SCALE



SANITARY DRAINAGE PLUMBING
ISOMETRIC
FIRST-AID LAVATORY

NOT TO SCALE

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 : PORT ADMINISTRATION BUILDING	SCALE : NOT TO SCALE
								APPROVED BY :	TITLE : SANITARY DRAINAGE PLUMBING ISOMETRIC	DRAWING NO. : BD-01-070



PLUMBING SYSTEM AND FIRE FIGHTING SYSTEM
FIRST FLOOR
SCALE 1:200

- ROOM LIST**
- ① CAFETERIA'S KITCHEN
 - ② FIRST AID ROOM
 - ②g FIRST AID LAVATORY
 - ③ PANTRY
 - ④ JANITOR'S ROOM
 - ⑤g TOILET (WOMEN)
 - ⑤b TOILET (MEN)

- PLUMBING SYMBOLS**
- VERTICAL PIPE DOWN
 - VERTICAL PIPE UP
 - ⊗ METER INSIDE PIT
 - ⊗ VALVE INSIDE PIT
 - ⊗ SHUT OFF VALVE
 - ⊕ HOSE FAUCET INSIDE PIT
 - ⊕ CHECK VALVE
 - ⊕ CLEAN OUT
 - ⊕ FIRE PUMP
 - ⊕ GREASE TRAP
 - WATER SUPPLY PIPE
 - WASTE DRAINAGE
 - SANITARY DRAINAGE
 - WASTE VENT PIPE
 - SANITARY VENT PIPE
 - FIRE FIGHTING PIPE

- 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

- FIRE FIGHTING SYSTEM SYMBOLS**
- △_{ABC,h} ABC CLASS DRY POWDER EXTINGUISHER
 - △_{CO₂,h} BC CLASS CO₂ EXTINGUISHER
 - △_K KITCHEN CLASS EXTINGUISHER
 - △_{ABC,m} RECESSED CABINET WITH HOSE RACK AND EXTINGUISHER

- LEGEND**
- c CHARGE
 - h PLACEMENT HEIGHT
 - m LENGTH OF HOSE (meters)

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

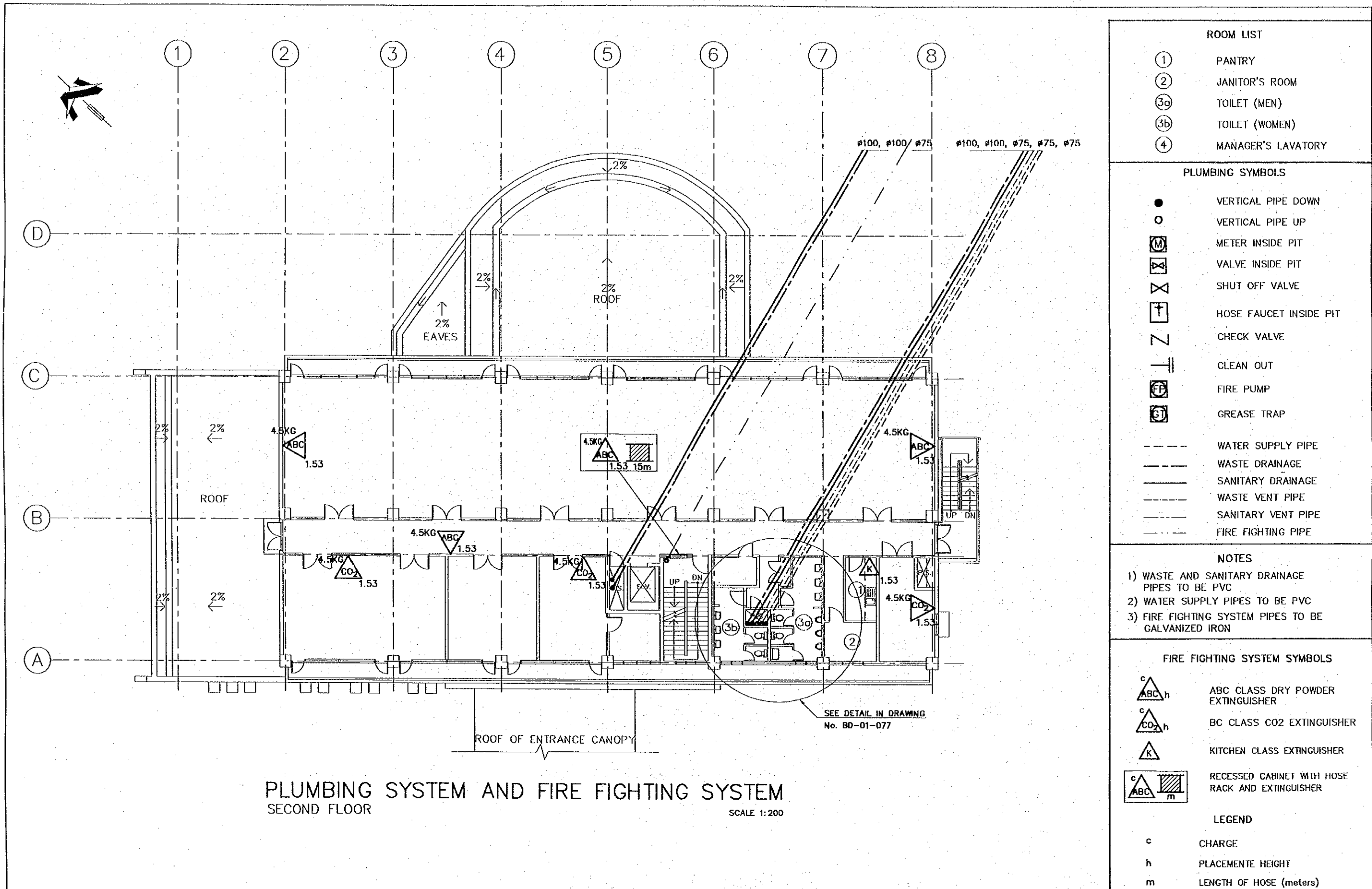
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NK NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : PLUMBING SYSTEM AND FIRE FIGHTING SYSTEM (First Floor)

DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : 80-01-071

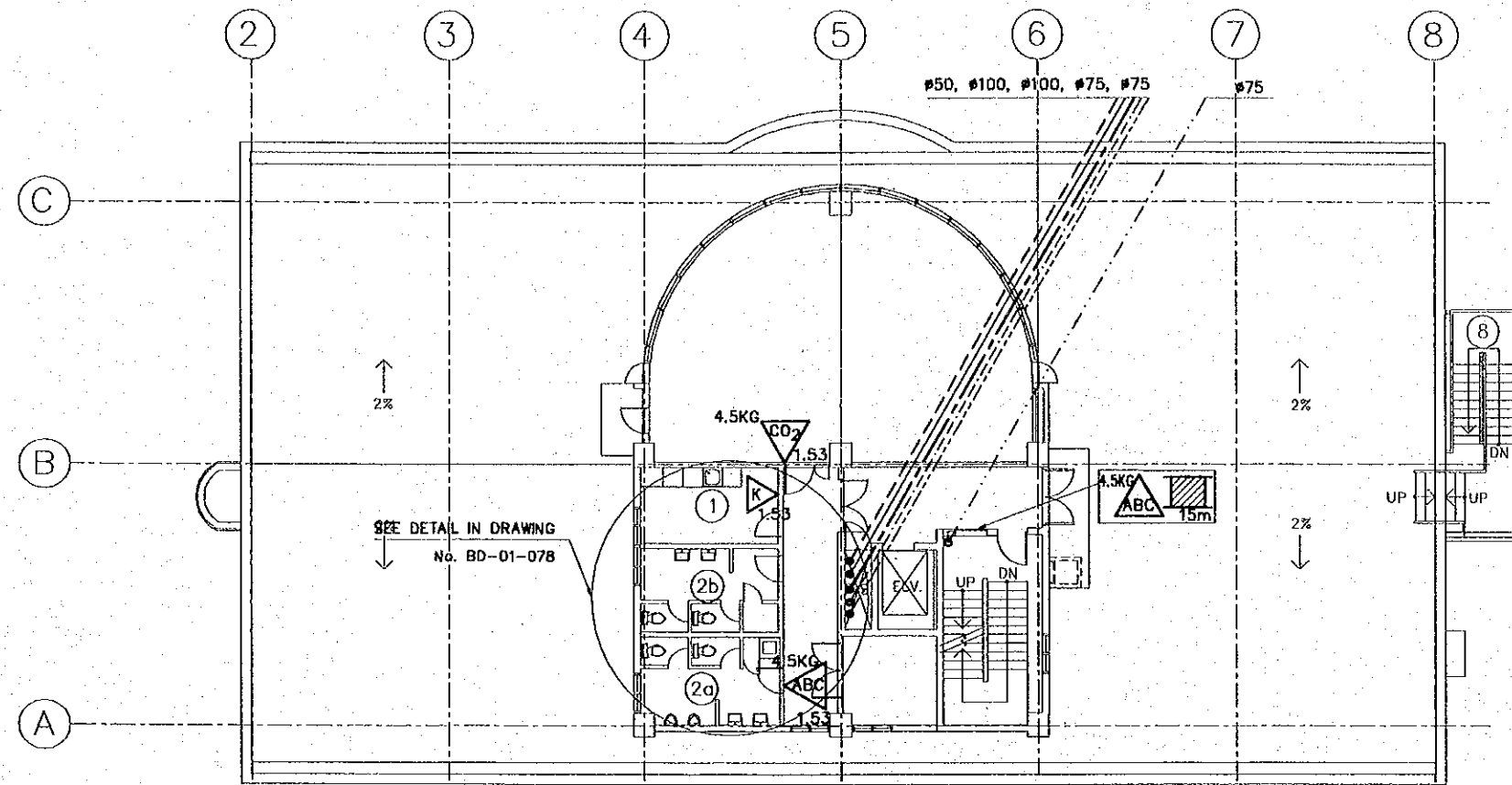


PLUMBING SYSTEM AND FIRE FIGHTING SYSTEM
SECOND FLOOR

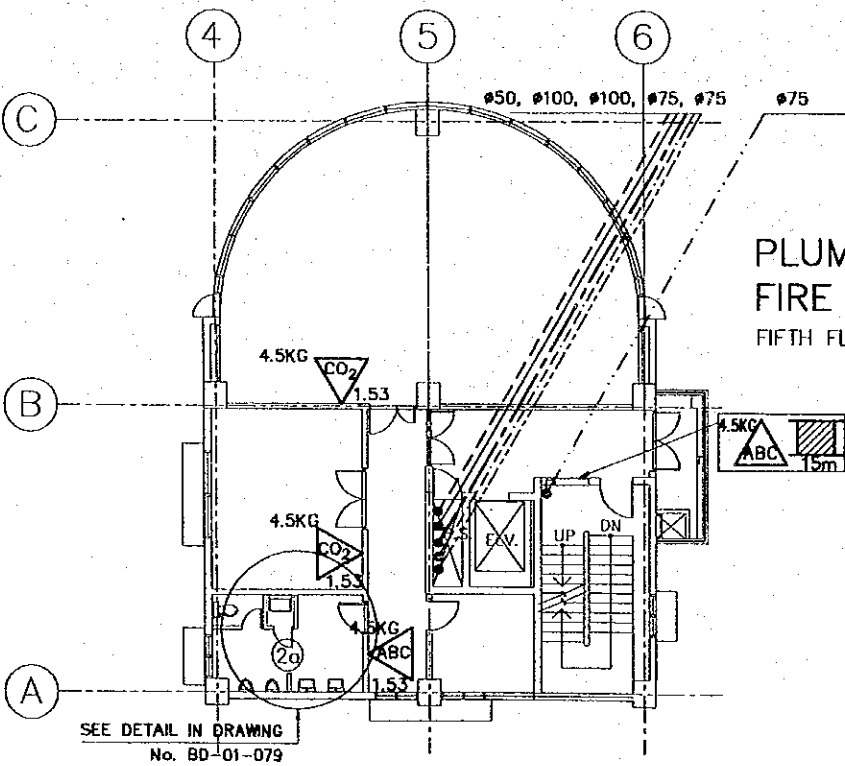
SCALE 1:200

<p>ROOM LIST</p> <p>① PANTRY ② JANITOR'S ROOM ③a TOILET (MEN) ③b TOILET (WOMEN) ④ MANAGER'S LAVATORY</p>	
<p>PLUMBING SYMBOLS</p> <p>● VERTICAL PIPE DOWN ○ VERTICAL PIPE UP ⊗ METER INSIDE PIT ⊗ VALVE INSIDE PIT ⊗ SHUT OFF VALVE ⊗ HOSE FAUCET INSIDE PIT Z CHECK VALVE ⊥ CLEAN OUT ⊗ F FIRE PUMP ⊗ G GREASE TRAP</p> <p>--- WATER SUPPLY PIPE --- WASTE DRAINAGE --- SANITARY DRAINAGE --- WASTE VENT PIPE --- SANITARY VENT PIPE --- FIRE FIGHTING PIPE</p>	
<p>NOTES</p> <p>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>	
<p>FIRE FIGHTING SYSTEM SYMBOLS</p> <p>^c△_h ABC CLASS DRY POWDER EXTINGUISHER ^c△_h CO₂ BC CLASS CO₂ EXTINGUISHER △ K KITCHEN CLASS EXTINGUISHER ^c△_h ^m RECESSED CABINET WITH HOSE RACK AND EXTINGUISHER</p> <p>LEGEND</p> <p>c CHARGE h PLACEMENT HEIGHT m LENGTH OF HOSE (meters)</p>	

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR</p> NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	<p>BUILDING WORK PORT ADMINISTRATION BUILDING PLUMBING SYSTEM AND FIRE FIGHTING SYSTEM (Second Floor)</p>	DATE :
									CHECKED BY :	SUB-SECTION :		SCALE :
									APPROVED BY :	TITLE :		DRAWING NO. : BD-01-072

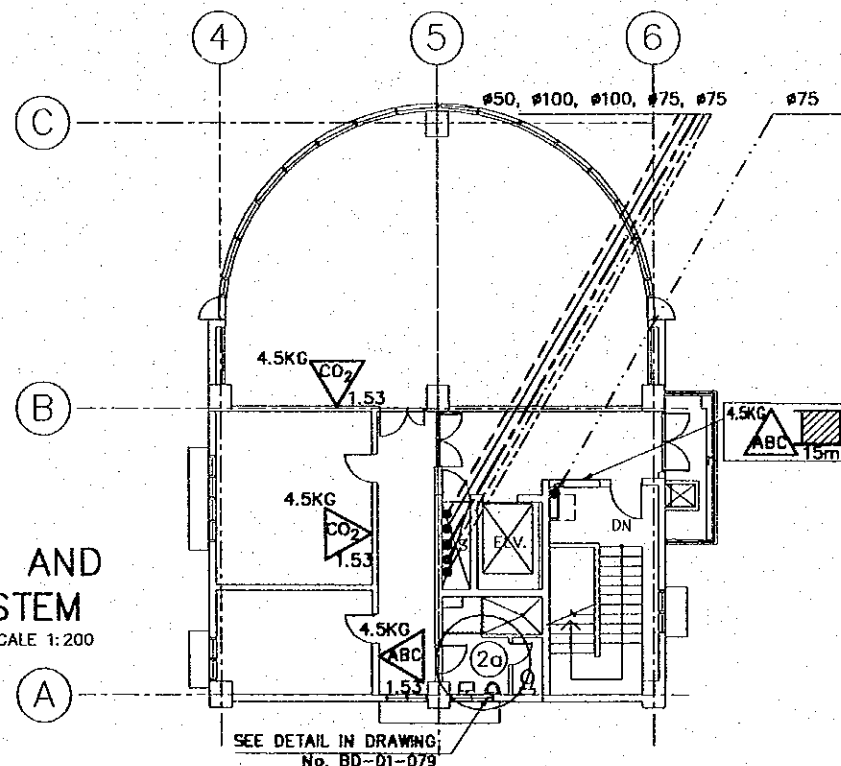


PLUMBING SYSTEM AND FIRE FIGHTING SYSTEM
FOURTH FLOOR
SCALE 1:200



PLUMBING SYSTEM AND
FIRE FIGHTING SYSTEM
FIFTH FLOOR
SCALE 1:200

PLUMBING SYSTEM AND
FIRE FIGHTING SYSTEM
SIXTH FLOOR
SCALE 1:200



ROOM LIST	
①	PANTRY
②a	TOILET (MEN)
②b	TOILET (WOMEN)

PLUMBING SYMBOLS	
●	VERTICAL PIPE DOWN
○	VERTICAL PIPE UP
⊙	METER INSIDE PIT
⊗	VALVE INSIDE PIT
⊘	SHUT OFF VALVE
⊕	HOSE FAUCET INSIDE PIT
⌞	CHECK VALVE
⊥	CLEAN OUT
⊞	FIRE PUMP
⊟	GREASE TRAP
---	WATER SUPPLY PIPE
---	WASTE DRAINAGE
---	SANITARY DRAINAGE
---	WASTE VENT PIPE
---	SANITARY VENT PIPE
---	FIRE FIGHTING PIPE

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

FIRE FIGHTING SYSTEM SYMBOLS	
	ABC CLASS DRY POWDER EXTINGUISHER
	BC CLASS CO2 EXTINGUISHER
	KITCHEN CLASS EXTINGUISHER
	RECESSED CABINET WITH HOSE RACK AND EXTINGUISHER

LEGEND	
c	CHARGE
h	PLACEMENT HEIGHT
m	LENGTH OF HOSE (meters)

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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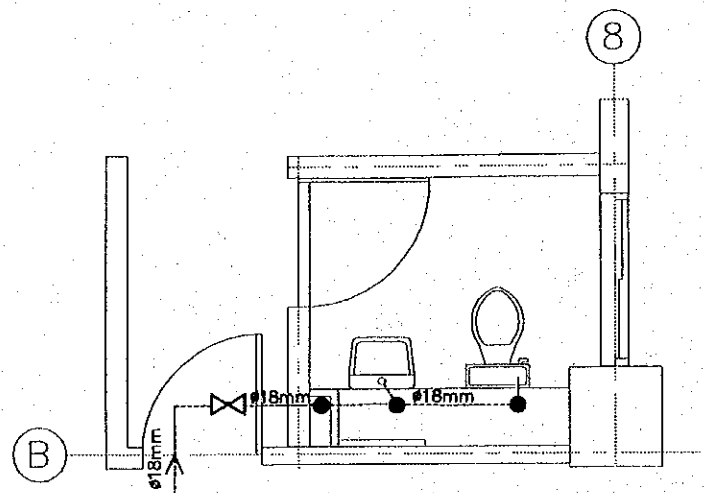
THE DETAILED DESIGN
ON PORT REACTIVATION PROJECT
IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NKK NIPPON KOEI CO., LTD.

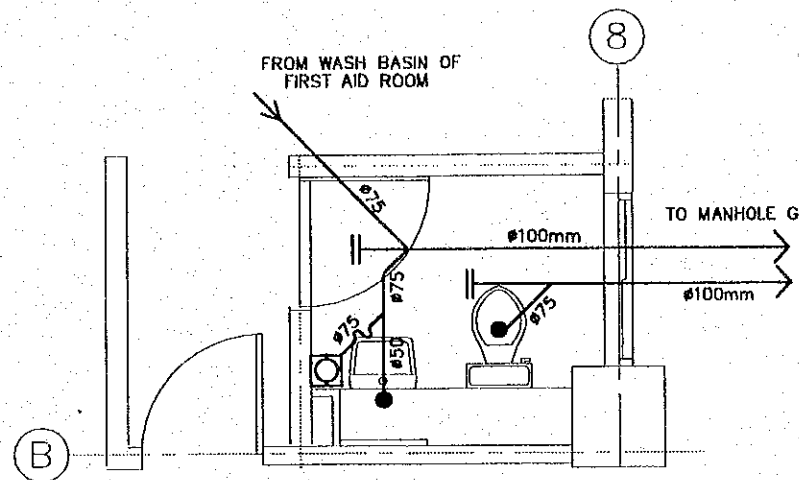
DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : PLUMBING SYSTEM AND
FIRE FIGHTING SYSTEM (4th,
5th, 6th FLOOR)

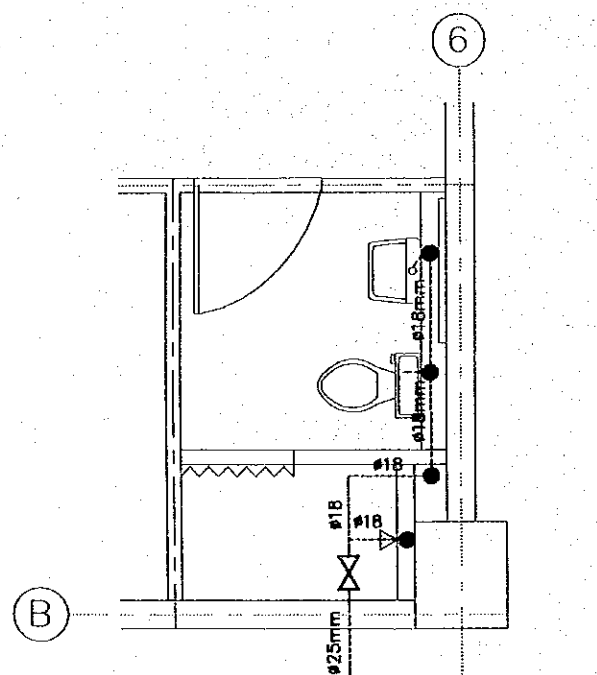
DATE : OCTOBER/2002
SCALE : 1 : 200
DRAWING NO. : BD-01-074



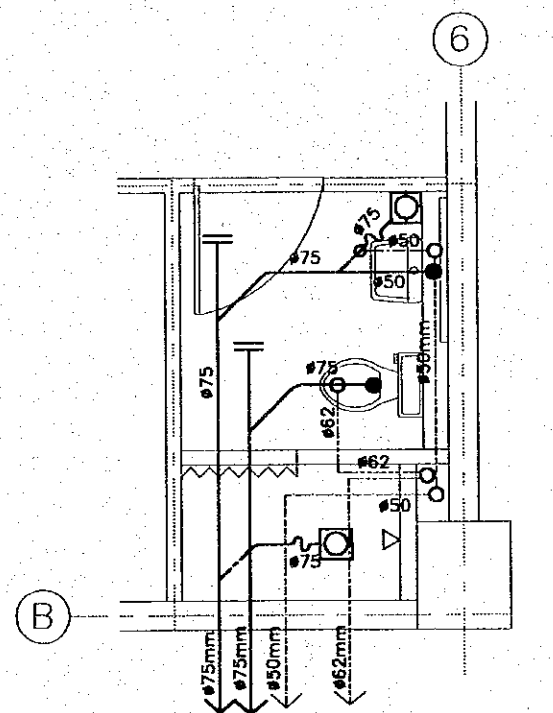
WATER SUPPLY SYSTEM
FIRST AID LAVATORY
FIRST FLOOR
SCALE 1:50



WASTEWATER SYSTEM
FIRST AID LAVATORY
FIRST FLOOR
SCALE 1:50



WATER SUPPLY SYSTEM
MANAGER'S LAVATORY
THIRD FLOOR
SCALE 1:50



WASTEWATER SYSTEM
MANAGER'S LAVATORY
THIRD FLOOR
SCALE 1:50

PLUMBING SYMBOLS

- VERTICAL PIPE DOWN
- VERTICAL PIPE UP
- ⊗ METER INSIDE PIT
- ⊗ VALVE INSIDE PIT
- ⊗ SHUT OFF VALVE
- ⊗ HOSE FAUCET INSIDE PIT
- ⊗ FLOOR/SHOWER DRAIN
- ⊗ CLEAN OUT
- ⊗ TRAP
- ⊗ GREASE TRAP
- WATER SUPPLY PIPE (AT CEILING LEVEL)
- WASTE DRAINAGE PIPE (UNDER SLAB LEVEL)
- WASTE VENTILATION PIPE (AT CEILING LEVEL)
- SANITARY DRAINAGE PIPE (UNDER SLAB LEVEL)
- SANITARY DRAINAGE VENTILATION PIPE (AT CEILING LEVEL)

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

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

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COMISION EJECUTIVA
PORTUARIA AUTONOMA
(CEPA)

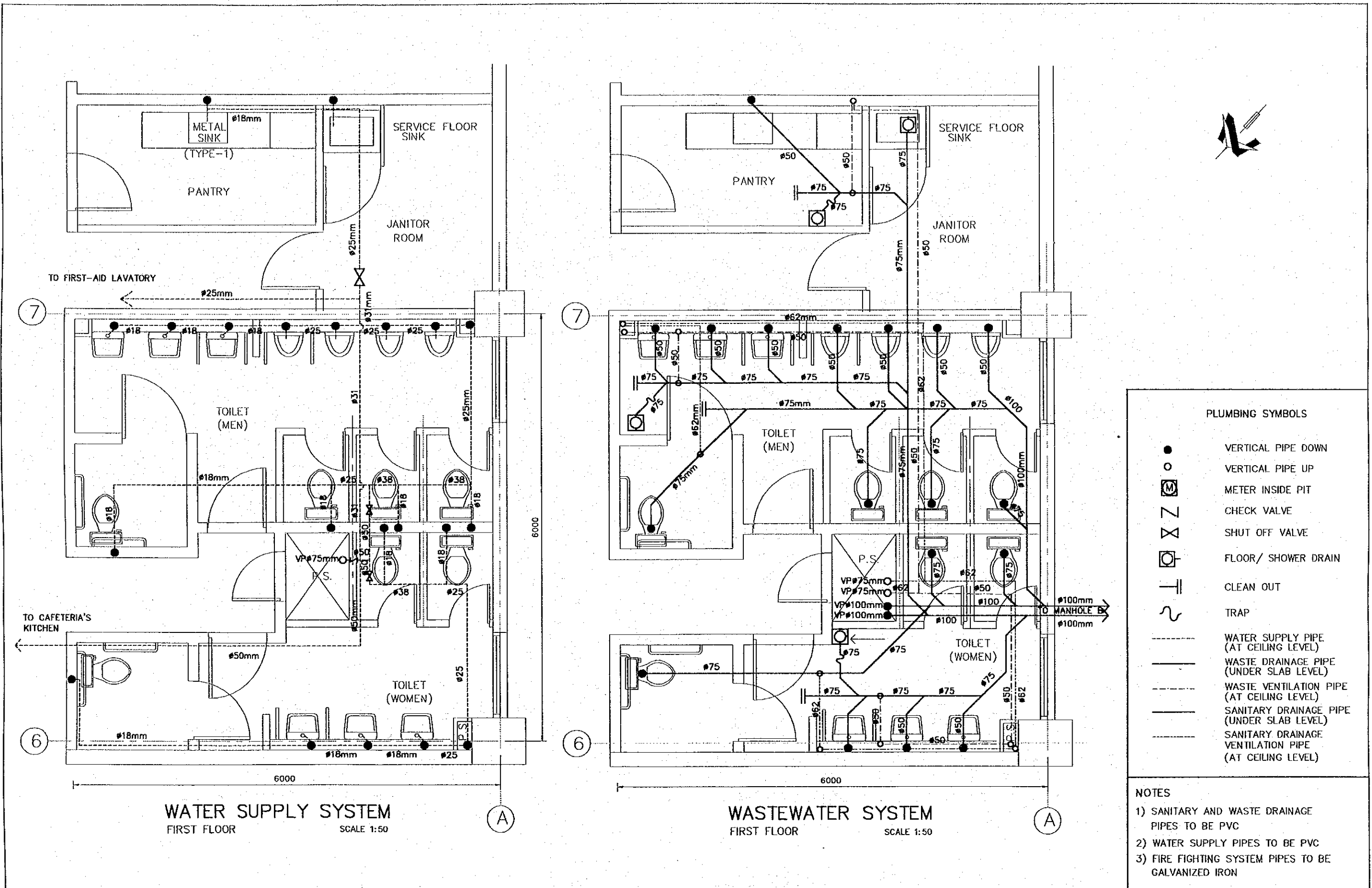
THE DETAILED DESIGN
ON PORT REACTIVATION PROJECT
IN LA UNION PROVINCE
OF THE REPUBLIC OF EL SALVADOR

NK
NIPPON KOEI CO., LTD.


DESIGNED BY :
CHECKED BY :
APPROVED BY :


SECTION : BUILDING WORK
SUB-SECTION : PORT ADMINISTRATION BUILDING
TITLE : PLUMBING SYSTEM TOILET
DETAIL-1

DATE : OCTOBER/2002
SCALE : 1 : 50
DRAWING NO. : BD-01-075



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 : **PORT ADMINISTRATION BUILDING**
 TITLE : **PLUMBING SYSTEM TOILET DETAIL-2**

DATE :	OCTOBER/2002
SCALE :	1 : 50
DRAWING NO. :	BD-01-076