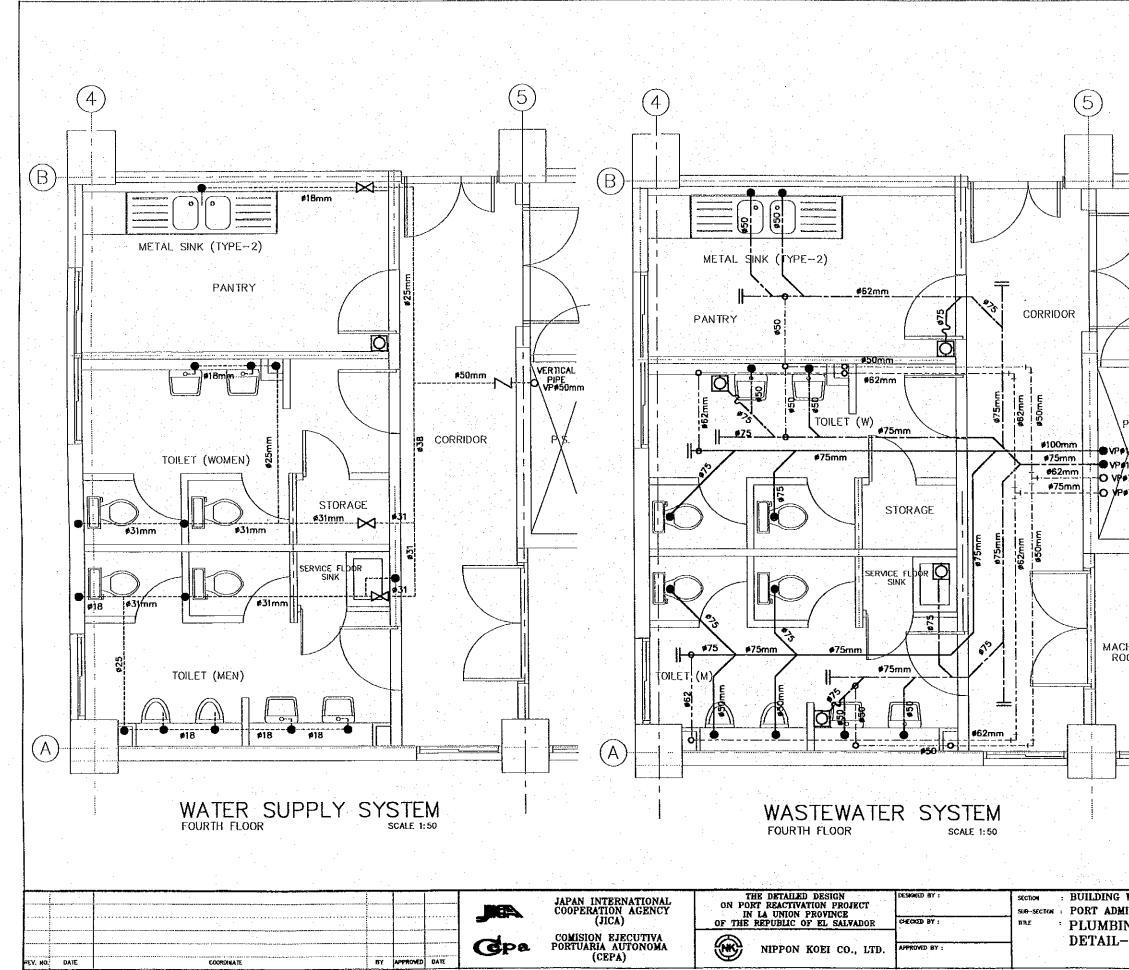




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	2) WATER SU	PPLY PIPES TO	BE PVC
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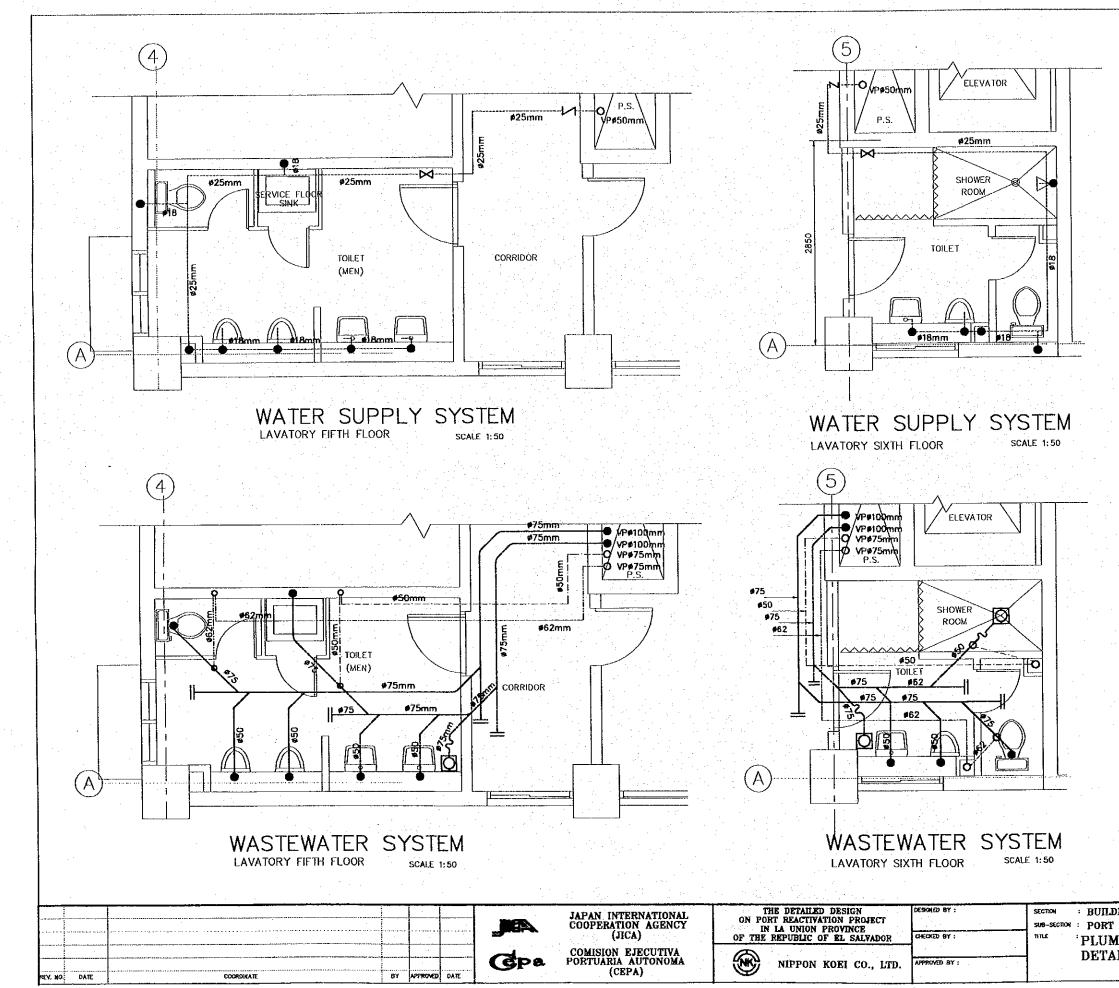
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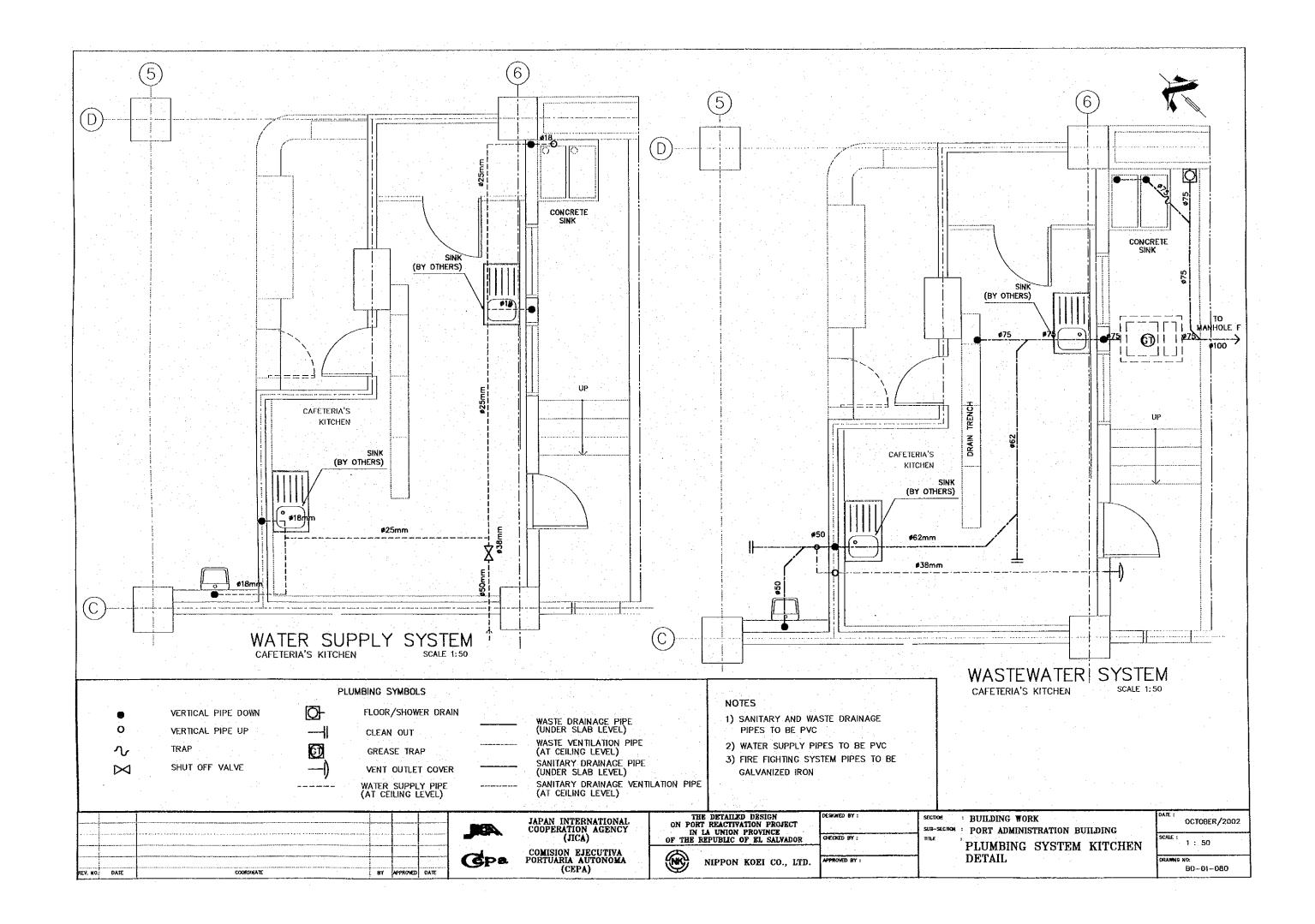
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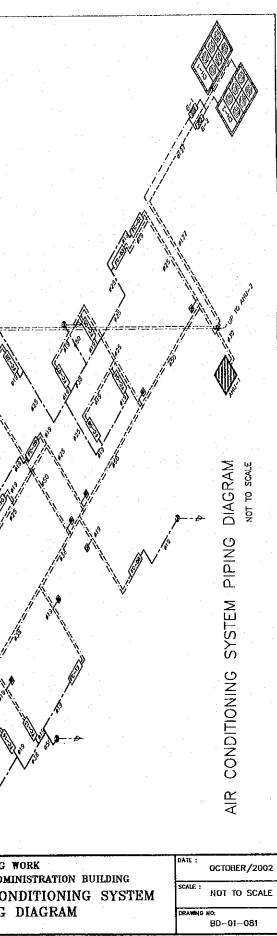
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		JAPAN INTERNATIONAL	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT	SECTION : BUILDING T
REV. NO. DATE	COORDINATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	SUB-SECTION : PORT ADMIN THE AIR CON PIPING



<u>_</u>			EQUIPMENT S	CHEDULE	- n				
EQP. No.	DESCRIPTION	QTY	r		RICAL DAT			AIR DATA	
Lei NO.	DESCRIPTION		Total Cooling capacity: 62 KW	VOLTAGE	PHASE	KW	RETURN AIR	FRESH AIR	AIR MIXTURE
			Compressors: 4	n frei eine Britter					
CHILLER	Air Cooled water chiller	2	Step Modulation: 25,50,75,100 %	460	3				
			Refrigerant: R - 22 No. of fans: 6		1.				
		ļ	Water connections: 4" FLG Supply Air Flow Rate (L/s):350.4						
			Total Cooling Capacity: 27.3 KW						
AHU-01	Air Handling Unit (First Floor)	1	Sensible Cooling Capacity: 19.3 KW Inlet (DB/WB): 26.6°C / 19.4°C	208 / 230	3	1.12	Air Flow:230 I/s Air Temp: 21.1°C	Air Flow:120 I/s Air Temp: 35°C	Air Flow;350 I/s Air Temp: 26.6°C
		·	Outlet (DB/WB): 12.6°C / 12.4°C Face Velocity : 0.04 m/sStatic					All temp. 55 C	Air temp: 26.60
			Pressure: 135 Pa Supply Air Flow Rate (L/s):613.2		<u> </u>				
			Total Cooling Capacity: 50.1 KW			. ·			
AHU-02	Air Handling Unit (Second Floor)	1	Sensible Cooling Capacity: 34.1 KW Inlet (DB/WB): 26.6°C / 19.4°C	208 / 230	3	3.73			Air Flow: 610 1/s
			Outlet (DB/WB): 12.5'C / 12.1*C Face Velocity : 0.04 m/s				Air Temp: 21.10	Air Temp: 55C	Air Temp: 26.6°C
			Static Pressure: 115 Pa			11 A. A.			
			Supply Air Flow Rate (L/s): 613.2 Total Cooling Capacity: 50.1 KW				an a		
AHU-03	Air Handling Unit (Third Floor)	1	Sensible Cooling Capacity: 34.1 KW Inlet (DB/WB): 26.6'C / 19.4'C	208 / 230	3	3.73	Air Flow:400 1/s	Air Flow:210 1/s	Air Flow: 610 1/s
			Outlet (DB/WB): 12.5°C / 12.1°C Face Velocity : 0.04 m/s				Air Temp: 21.1°C	Air Temp: 35°C	Air Temp: 26.6°C
			Static Pressure: 115 Pa	et da ele	· · ·				
			Supply Air Flow Rate (L/s): 525.6 Total Cooling Capacity: 43.6 KW				ation The space of the state		
AHU-04	Air Handling Unit (Fourth Floor)	1	Sensible Cooling Capacity: 29.8 KW Inlet (DB/WB): 26.6°C / 19.4°C	208 / 230	3	2.24	Air Flow:340 I/s	Air Flow:185 1/s	Air Flow:525 1/s
			Outlet (DB/WB): 12.2°C / 12.1°C	200 / 200	, ,		Air Temp: 21.1°C	Air Temp: 35°C	Air Temp: 26.6°C
			Face Velocity : 0.04 m/s Static Pressure: 140 Pa		1.0				
			Supply Air Flow Rate (L/s): 51.6 Total Cooling Capacity: 3.52 KW						
FCU	Fan Coil Unit	57	Sensible Cooling Capacity: 2.85 KW Inlet (DB/WB): 26.6°C / 19.4°C	115	1	0.09	NA	NA	NA
			Outlet (DB): 15.1°C						
			Static Pressure: 125 Pa Exhaust Capacity: 75 L/s					· · · · · · · · · · · · · · · · · · ·	
E1	Ceiling Exhaust Fan	10	Static Pressure: 60 Pa Fan RPM: 1,080	115	1	0.285	NA NA	NA	NA
			Grille Size: 400 x 480			0.205			
		<u>+</u>	Exhaust Capacity: 120 L/s			1.			
E-2	Belt Drive Upblast Centrifugal	2	Static Pressure: 180 Pa Fan RPM: 1,685	115	1	0.17	NA	NA	NA
	Roof Exhaust Fan	ŀ	Roof Opening: 300 x 300						
		\square	Exhaust Capacity: 24 L/s					1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
E-3	Direct Drive Centrifugal Sidewall Exhaust Fan	1	Static Pressure:25 PaFan RPM:1,550	115	1	0.01	NA	NA	NA
			Grille Size: 200 x 200						
			Exhaust Capacity: 120 L/s Static Pressure: 180 Pa	10 A. 1		1		et a se	
E4	Direct Drive Centrifugal Sidewall Exhaust Fan	1	Fan RPM: 1,685	115	1	0.2	NA	NA	NA
			Grille Size: 300 x 300			1.5		1	

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	 				ļ		(ЛСА)	OF THE REPUBLIC OF EL SALVADOR	CHECKED BY :	AIR CON
			····			Gpa	COMISION EJECUTIVA PORTUARIA AUTONOMA	NIPPON KOEI CO., LTD.	APTHONED BY :	EQUIPM
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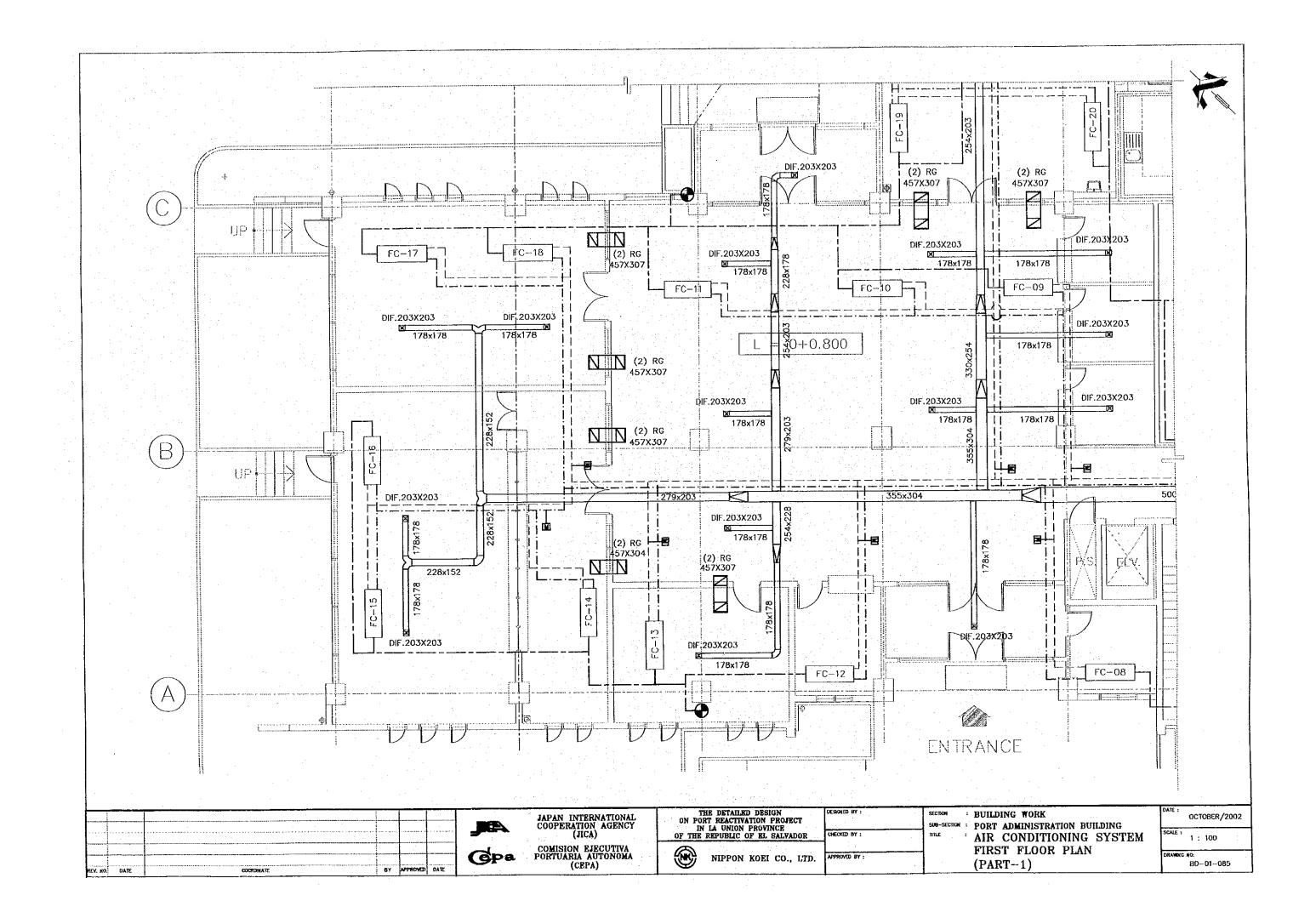
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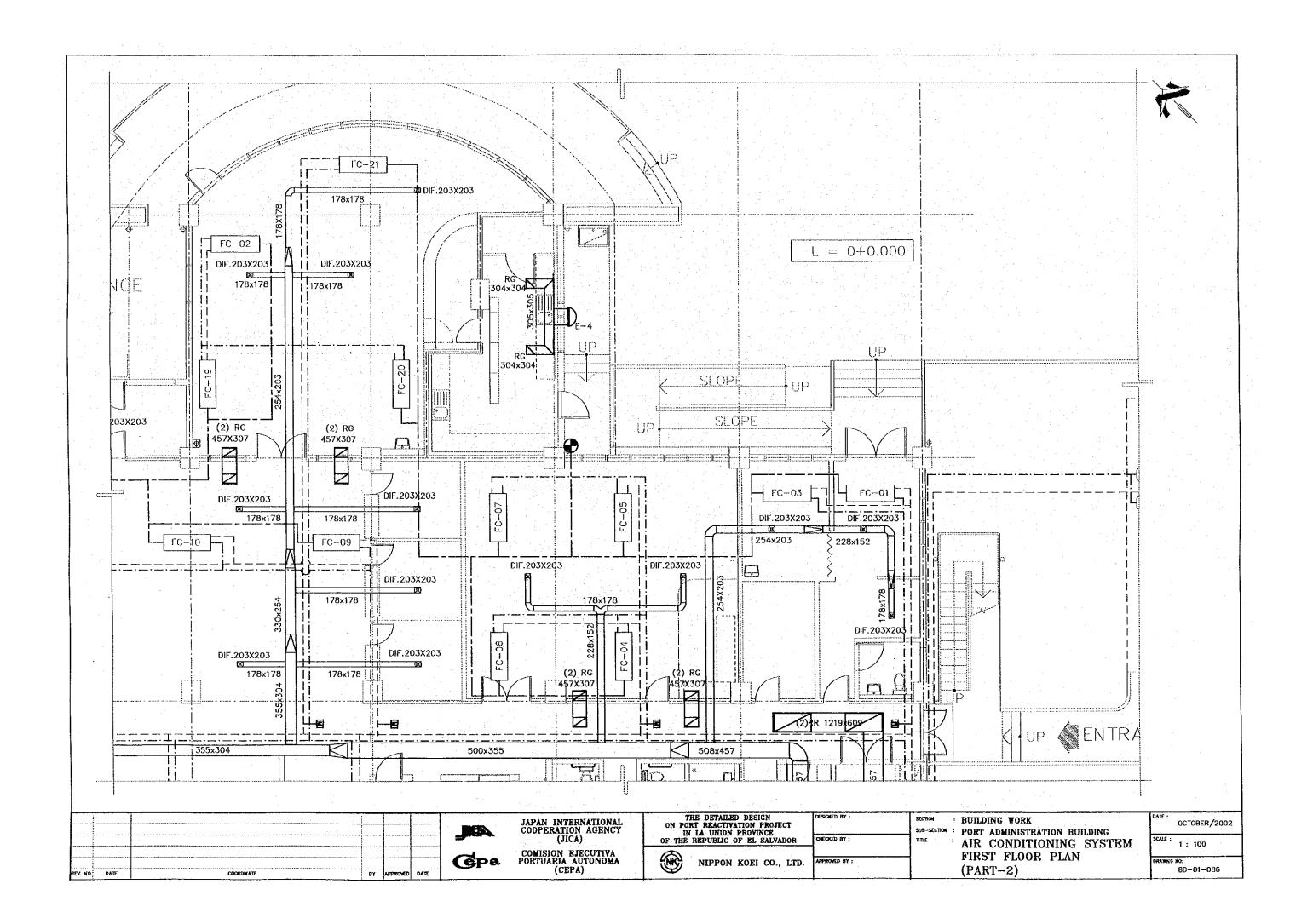
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FLOOR	DIAMETER (MM)	LENGTH (M)x2	MATERIAL	SCHD.	SUPORTS	INSULATION (MM	ជ
				1	1. S. 1. S. 1. S. 1.		
1st	DN 125	12	Black Steel	40	every 5 m	12.5	
	DN 50		Black Steel	40	every 3 m	12,5	7
	DN 40	8	Black Steel	40	every 3 m	12.5	
	ON 25	10	Black Steel	40	every 2.5 m	12.5	-
	DN 20	70	Black Steel	40	every 2 m	12.5	-
<u> </u>	011 20	70	DIGOR OLOGI			14.0	-
2nd	DN 75	4	Black Steel	40	every 5 m	12.5	
	DN 50		Black Steel	40	every 3 m	12.5	-
<u>├</u>	DN 40		Black Steel	40	every 3 m	12.5	-
	DN 25	10	Black Steel	40	every 2.5 m		-
}	DN 20	60	Black Steel	40	every 2 m	12.5	- 1
	UN 20		DIGCK SIEE		every z m	12.0	4
3rd	DN 75	18	Black Steel	40	every 5 m	12.5	-
	DN 75	18	Black Steel	40		12.5	
}	DN 25			40	every 3 m		-
	DN 25	30	Black Steel Black Steel	40	every 2.5 m	12.5	
			DIOCK Steel	40	every 2 m	12.3	-
4th	DN 40	10	Black Steel	40	every 3 m	12.5	-
401	DN 25	6	Black Steel	40	every 2.5 m	12.5	-
· · · · · · · · · · · ·	DN 20	10	Black Steel	40	every 2 m	12.5	🚽 the second second
	UN 20	10	BIOCK Steel	40	every 2 m	12,3	
5th	DN 40	6	Black Steel	40	every 3 m	12.5	
<u> </u>	DN 25			40			-
<u> </u>	UN 25 0N 20	<u>6</u> 10	Black Steel Black Steel	40	every 2.5 m	12.5	-
		10	DIGCK Steel	40	every 2 m	12.5	-
GIN	DN 40	6	Diante Start	- 40		12.5	-
6th	DN 40		Black Steel	40	every 3 m		- I ·
<u> </u>		6	Black Steel		every 2.5 m		
1	DN 20	10	Black Steel	40	every 2 m	12.5	

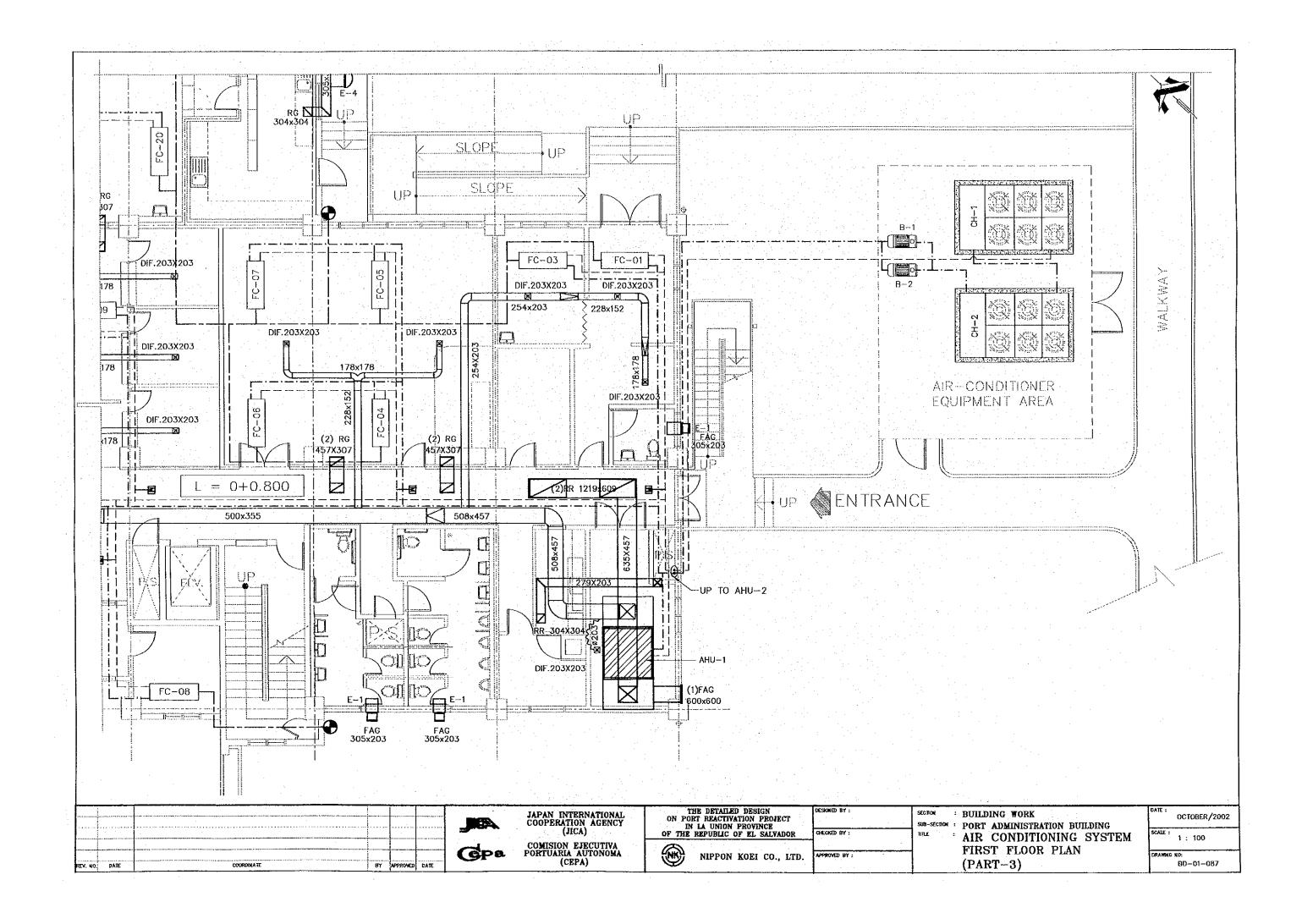
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				DUCTWOR	KS		
	FLOOR	DUCT SIZE (MM)	LENGTH (M)		GAGE	REINFORC	FMENT (
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	1st	508 x 457.2	12	Galvonized steel	24	Channel	
		508 x 355.6	9	Galvanized steel	26		(19 x 7
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	355,6 x 304	15	Galvanized steel	26		(19 x 7
		330.2 x 254	3	Galvanized steel	26	Channel	(19 x 7
		279.4 x 203.2	21	Galvanized steel	26	Channel	$\frac{19}{19} \times 7$
	1	228.6 x 152.4	37	Galvanized steel	26		(19 x 7
		165.1 x 127	45	Galvanized steel	26	Channel	(19 x 7
		100.1 × 127		CONVERSE STORE	-20	Gitainiei	113 × 7
	2nd	635 x 406.4	12	Galvanized steel	24	Chonnel	(19 x 7
	2110	508 x 457.2	10	Galvanized steel	24	Channel	$\frac{13}{19 \times 7}$
		482.6 x 381	10	Galvanized steel	26	Channel	$\frac{13}{19} \times 7$
		381 x 381	6	Galvanized steel	26	Channel	(19×7)
	·	381 x 254	6	Galvanized steel	26	Channel	$\frac{19 \times 7}{19 \times 7}$
en a padri a di Angela		254 x 254	30	Galvanized steel	26	Channel	(19 x 7
		228.6 x 203.2	8	Galvanized steel	26	Channel	(19 x 7
		165.1 x 165.1	46	Galvanized steel	26	Channel	(19 x 7
		165.1 x 127		Galvanized steel	26		(19 x 7
		105.1 X 127	0	Guivanizea steel	<u></u>	Chonnel	<u>119 x 7</u>
	3rd	685.8 x 508	10	Galvanized steel	24	01	710
			12			Channel	(19 x 7 (19 x 7
		508 x 508	12	Galvanized steel	24	Channel	
		431.8 x 381	6	Golvonized steel	26	Channel	(19 x 7
		381 x 355.6	6	Galvanized steel		Channel	(19 x 7
		381 x 254	18	Galvanized steel	26	Channel	(19 x 7
		254 x 254	24	Galvanized steel	26	Channel	(19 x 7
		254 x 190.5	42	Galvanized steel	26	Channel	$\frac{19 \times 7}{10}$
		165.1 x 165.1	5	Galvanized steel	26	Channel	(19 x 7
and the second second				<u> </u>			710 7
	4th	381 x 355.6	8	Galvanized steel	26	Channel	
		254 x 190.5	11	Galvanized steel	26	Chonnel	(19 x 7
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a the second second second	5th	355.6 x 304.8	11	Galvanized steel	26	Channel	(19 x 7
		254 x 190.5	14	Galvanized steel	26	Channel	(19 x 7
				<u> </u>	<u> </u>		
	6th	355.6 x 304.8	7	Galvanized steel	26	Channel	
		254 x 190.5	20	Galvanized steel	26	Chonnel	(19 x 7
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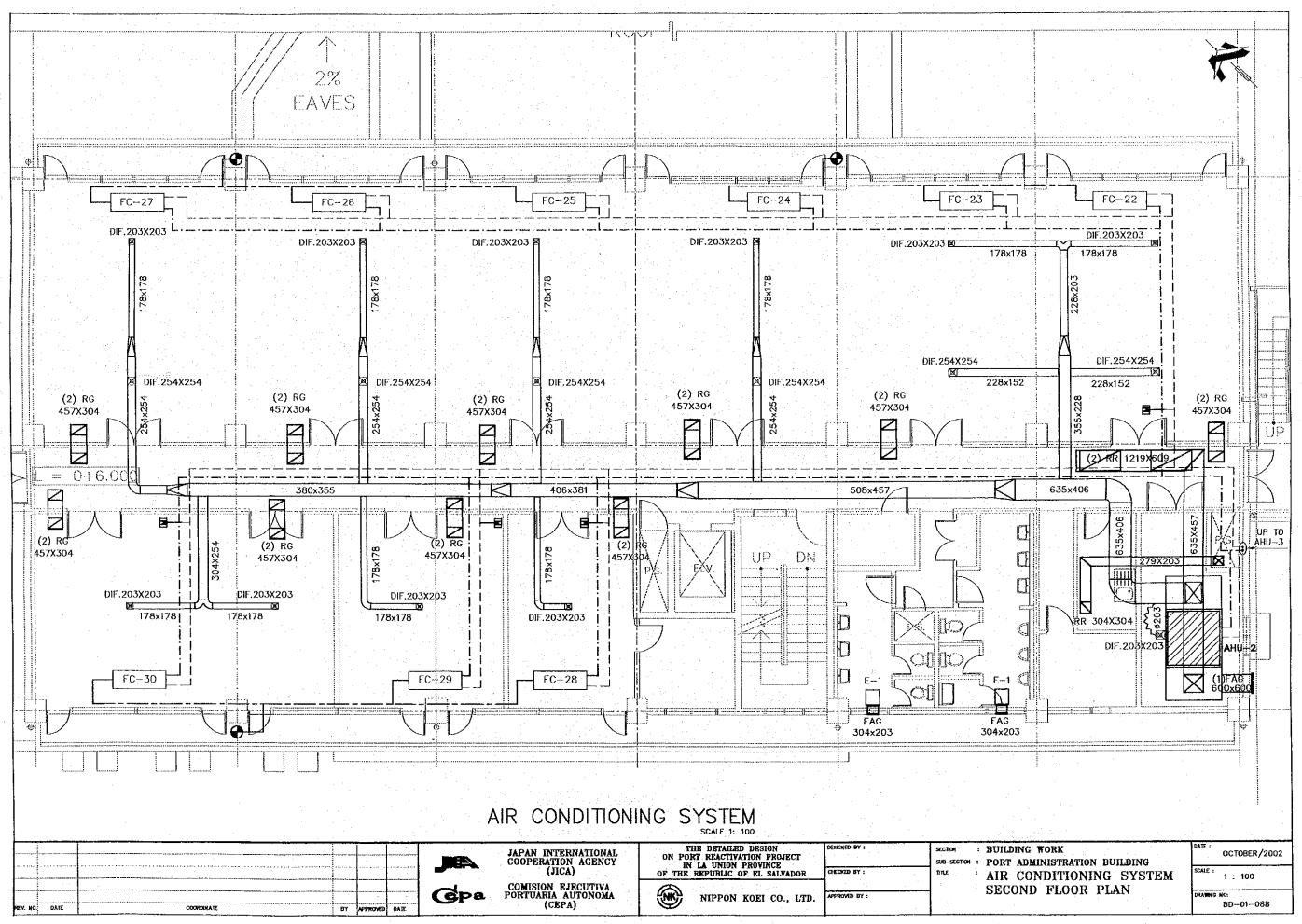
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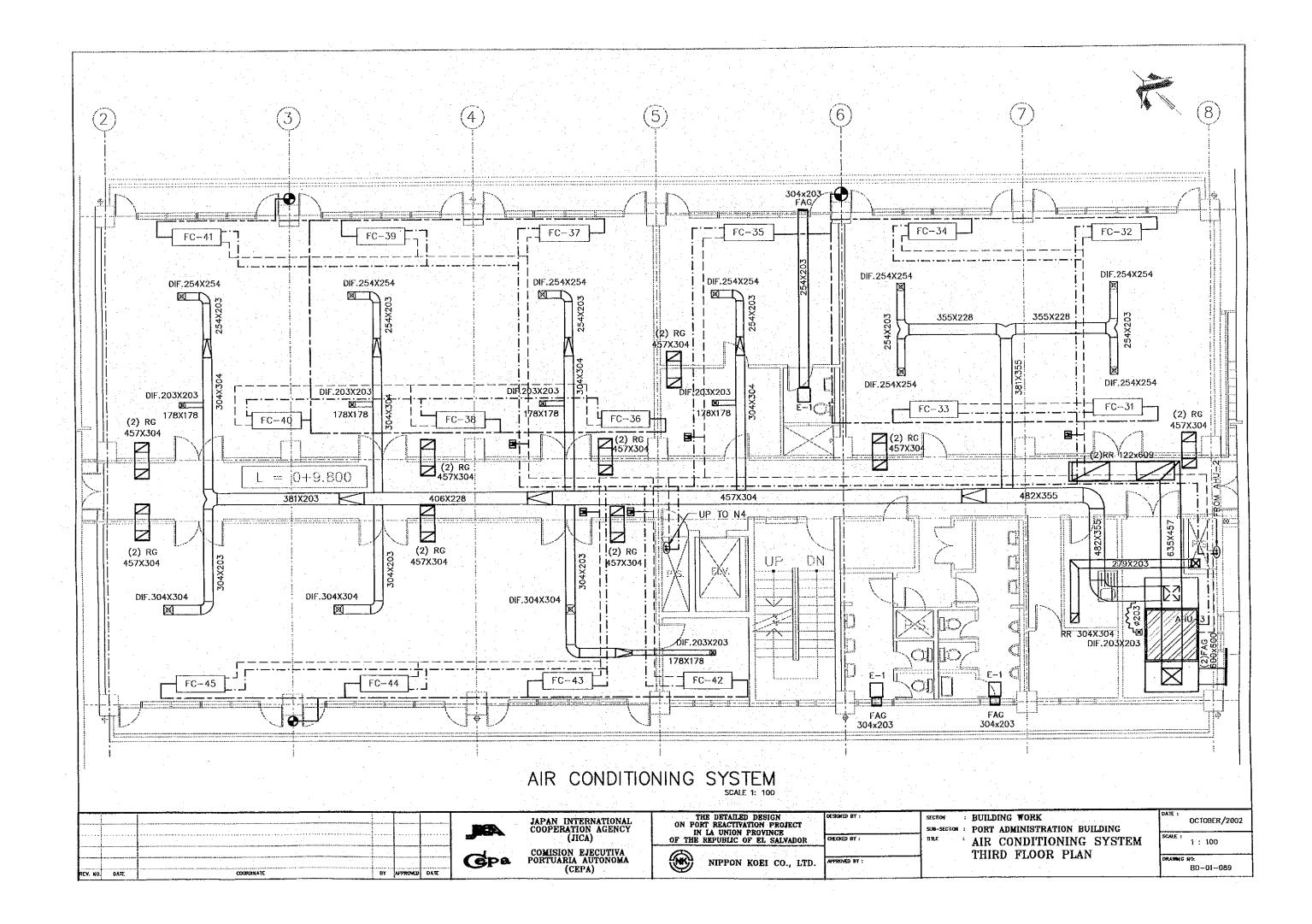


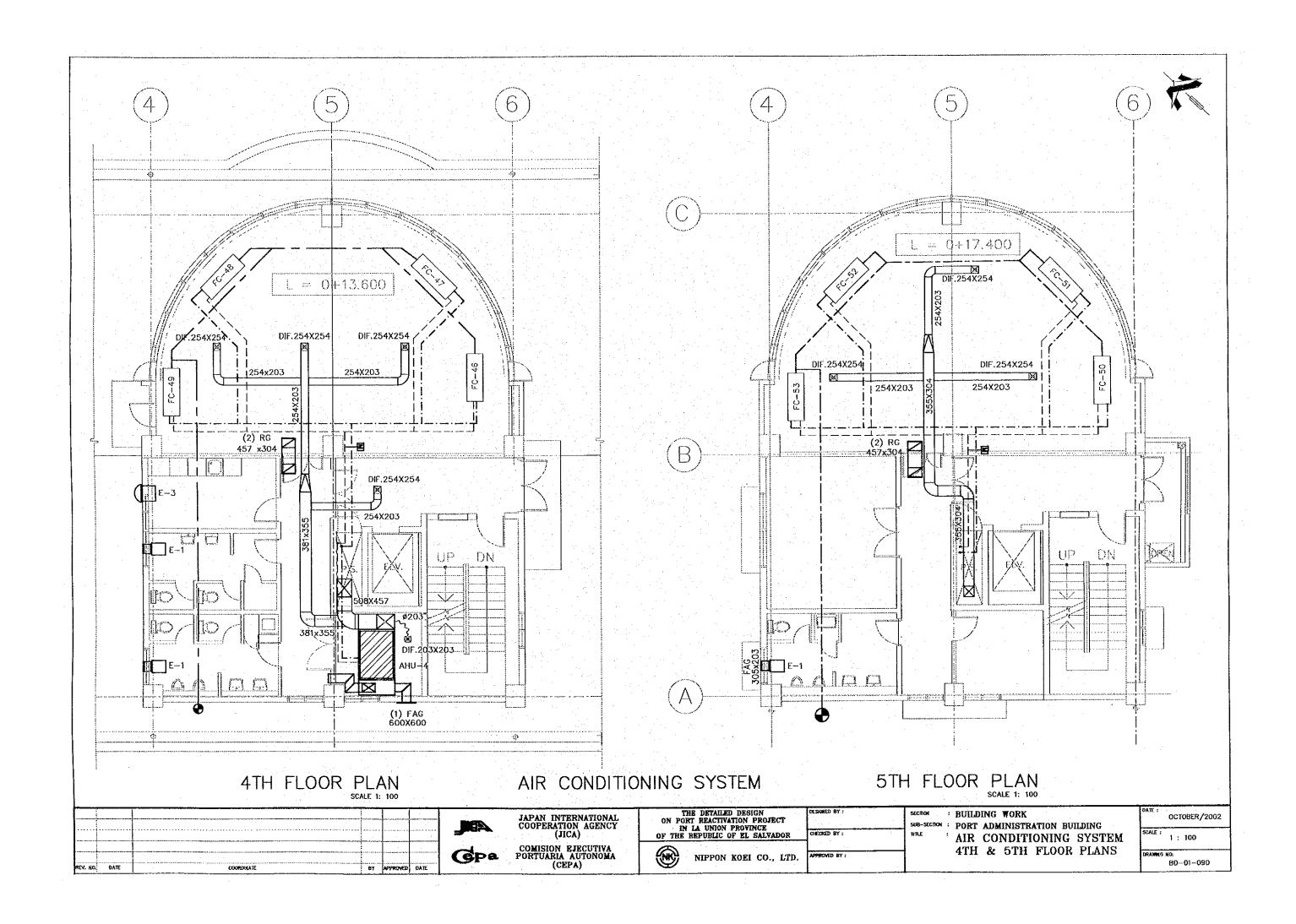


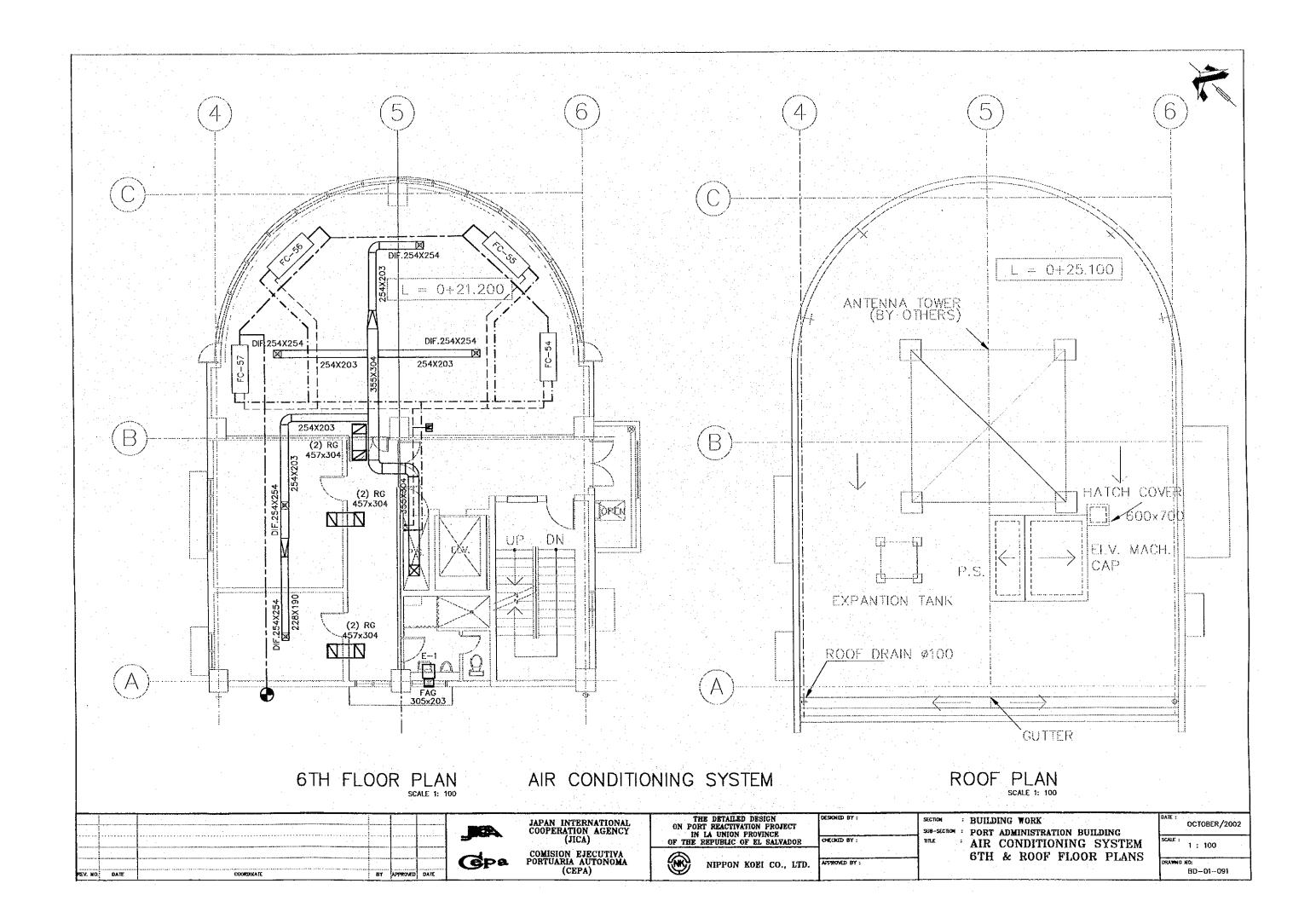


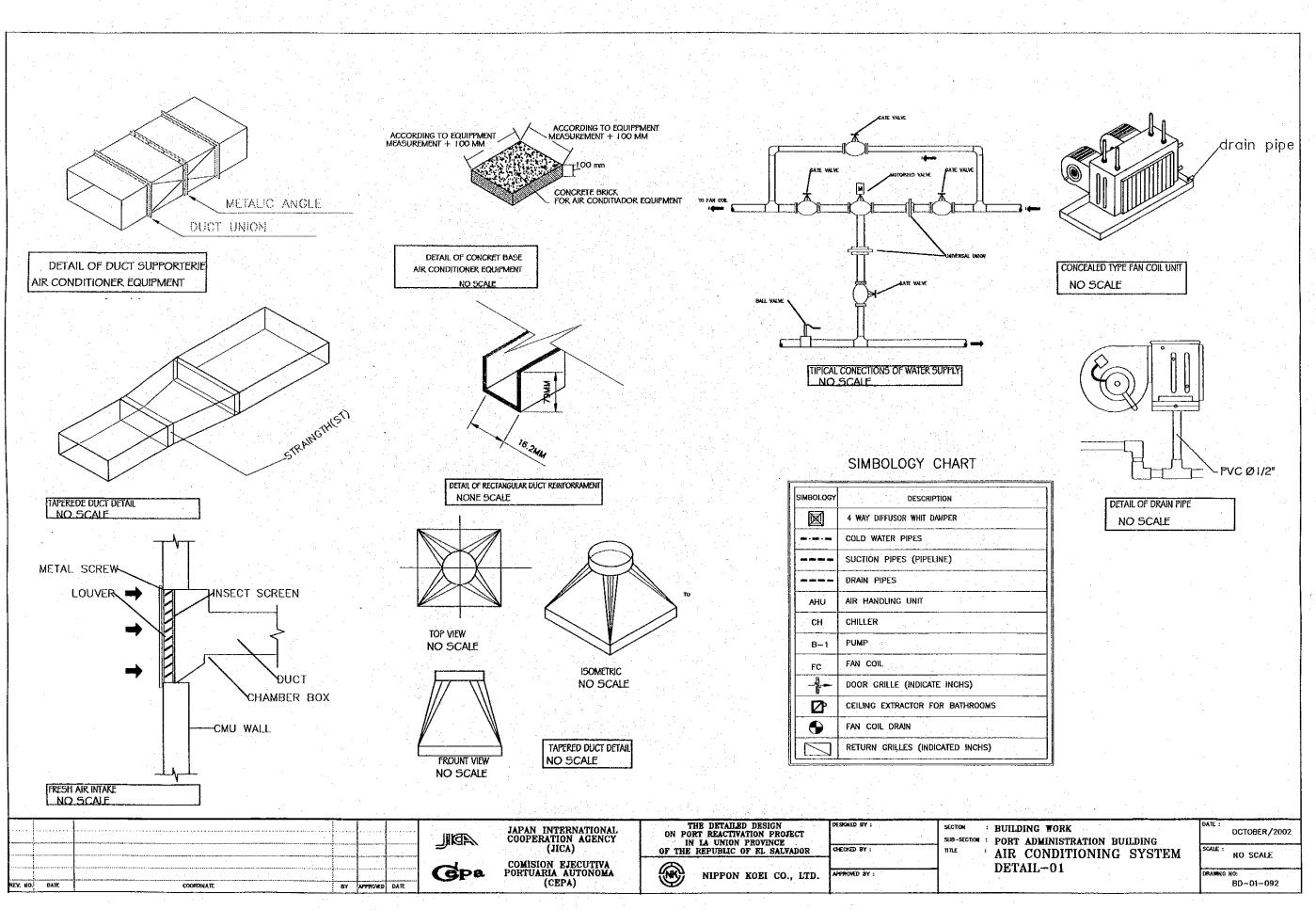
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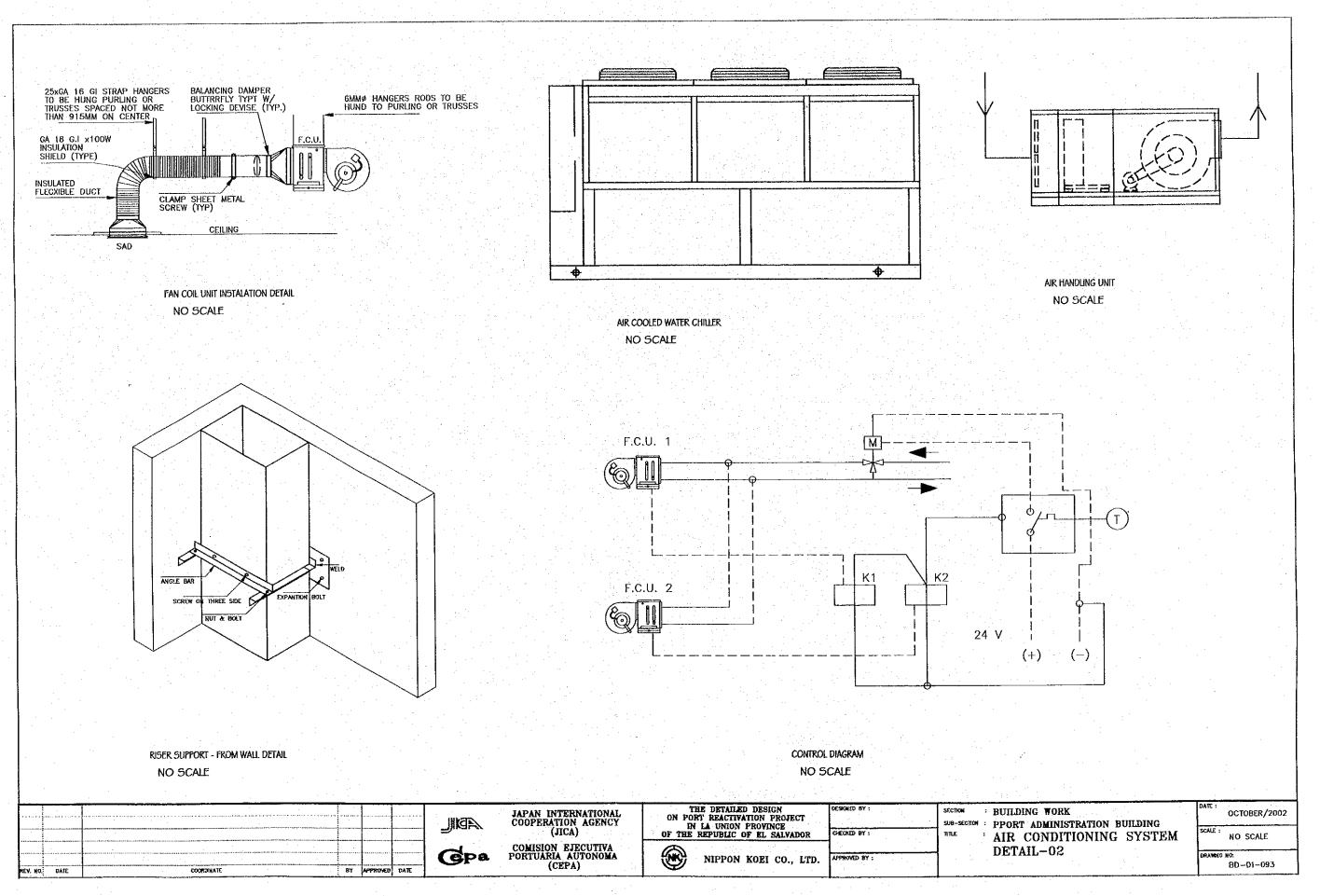
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PANELBOARD SCHEDULE PANEL ST-AAE 30, 4 WIRE SURFACE MOUNTED 250 AMPERE MAIN
LOCATION1st.FLOOR (MACHINE ROOM)480 VOLT 400AMPERE BUSCT No.AMPERE $\not A \not A \not B \not A \not C$ CB $\not A \not B \not C$ CB
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PANELBOARD SCHEDULE PANEL ST-AAN 30, 4 WIRE SURFACE MOUNTED 200 AMPERE MAIN LOCATION 1st. FLOOR (MACHINE ROOM) 120/208 VOLT 250 AMPERE BUS

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Ľ	OCATION	1st.	FL	00	R (MACHINE ROOM)							120/208	VOL	1 2:	50	AMPÈRE BI	US
ст	WIRING	AMPERE CB PHAS		ASE	E CB			ACOODIDITION	AMPERE		RE	WIRING	с					
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1	3x13.3mm²	18.9			ST-AA1	3	90	-+-	1	F	3	125	ST-AA2	8.10			3x13.3mm²	
3		<u> </u>	18.9					_	+	+-					8.10			
5	2	176		18.9					1	†				10.0		8.10		
<u>/</u>	3x13.3mm²	13.5	13.5		ST-AA3					Ē			ST-AA4	10.8	10.8		3x13.3mm²	1
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BOARD SCHEDULE-01	SCALE : NOT TO SCALE DRANNIG NO:	-
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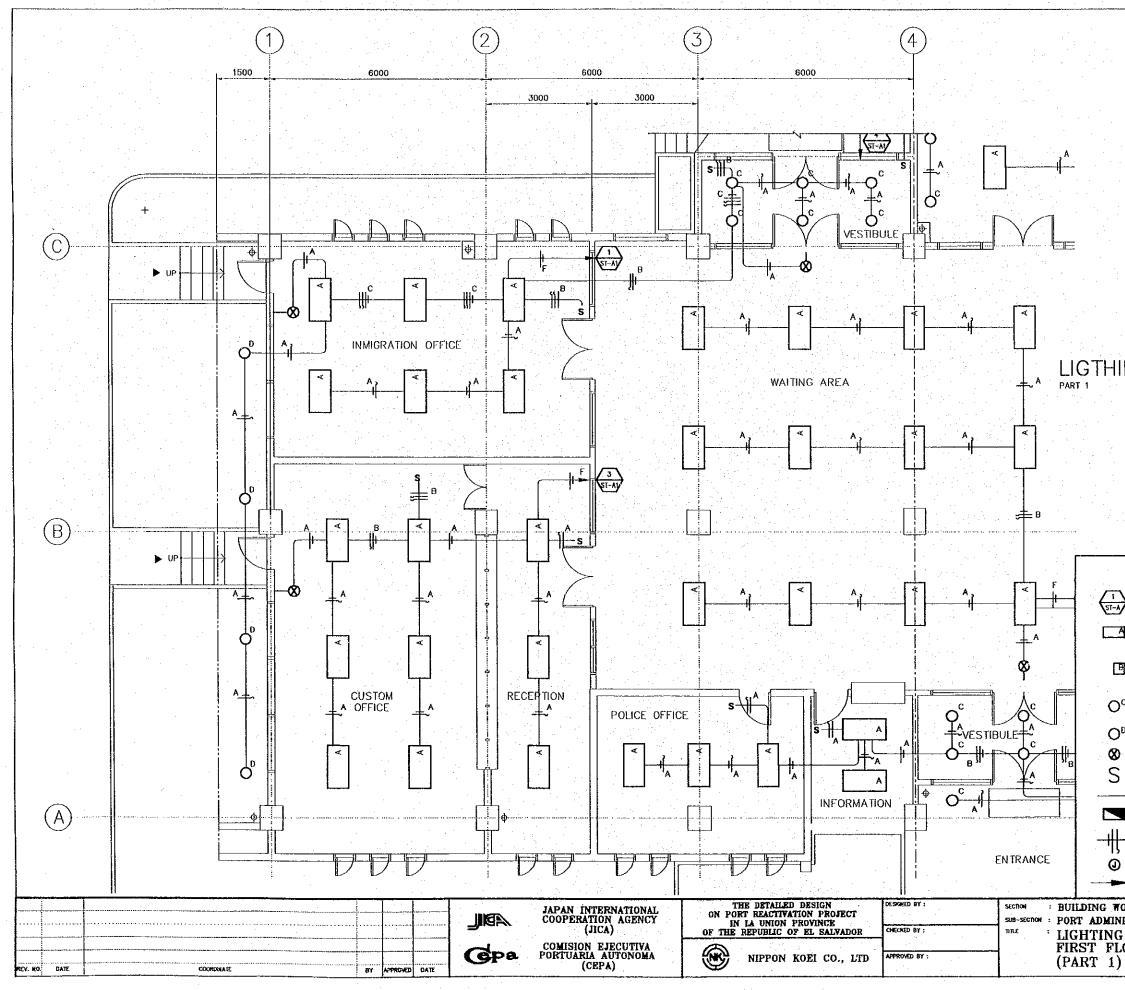
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LOCATION	1st. FLOOR	(PIPE SHOP)		120/208	VOLT 200 AMPERE BL	US LOCATION	2nd. FLOOR (PI	PE SHOP)		120/20	08 VOLT 150	AMPERE BUS
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PANEL LOCATION CT No. WIRING	7,4 ,724 STC CAFETERIA- AMPERE 9A 9B 9C	TOTAL A/ØC TOTAL VA PANEL 3Ø, 4 WIRE 1st FLOOR DESCRIPTION	SURFAC	E MOUNTED 120/208 3 U DESCRIPTION	VOLT 100 AMPERE B AMPERE #A #B #C WIRING	AIN US CT No. PANEL LOCATION CT No. WIRING	14,7 TOTA 2,988 TOTA ST-A4 3 4th. FLOOR (AMPERE Image: state	AL A/ØC AL VA PANELB(Ø, 4 WIRE PIPE SHOP) DESCRIPTION	SURFA	CE MOUNTED 120/2 CB UESCRIPTION	208 VOLT 100 AMPERE ØA ØB Ø 4.30) AMPERE BU WIRING C 2x5.3mm ²
PANEL LOCATION	7,4 ,724 STC CAFETERIA- AMPERE 9A 9B 9C 2 7.40	TOTAL A/ØC TOTAL VA PANEL 3Ø, 4 WIRE 1st FLOOR	SURFAC	E MOUNTED 120/208 DESCRIPTION 20 Outlets 20 Outlets	VOLT 100 AMPERE WIRING #A #B #C 1.70 3x5.3mm ² 1.70 3x5.3mm ²	9 32 32 AIN PANEL US CT No. 1 2 3 2x5.3mm 3 2x5.3mm	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	AL A/ØC AL VA PANELB(Ø, 4 WIRE PIPE SHOP) DESCRIPTION	SURFA	CE MOUNTED 120/2 CB U DESCRIPTION 15 Roof lights 15 Roof lights	208 VOLT 100 AMPERE ØA ØB Ø 4.30 8.70) AMPERE BU WIRING
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11 47, PANEL LOCATION CT No. WIRING 1 2x5.3mm 3 2x5.3mm 5 3x5.3mm 7 3x5.3mm 9 3x5.3mm 9 3x5.3mm 11 3x5.3mm 5 5 5 5	7,4 ,724 ST-C CAFETERIA- 2 7.40 2 8.60 2 8.60 2 8.60 2 3.30 2 1.70 2 3.30 2 8.60 2 8.60 2 8.30 2 8.30 2 8.30 2 8.30	TOTAL A/¢C TOTAL VA PANEL 3¢, 4 WIRE 1st FLOOR DESCRIPTION Cafeteria lights Kitchen lights Outlets-cafeteria Outlets Outlets Outlets TOTAL A/¢A TOTAL A/¢C	SURFAC	E MOUNTED 120/208 DESCRIPTION COutlets 20 Outlets 20 Outlets 20 Outlets 20 Outlets 20 Outlets 20 Outlets	VOLT 100 AMPERE B AMPERE WIRING #A #B #C 1.70 3x5.3mm ² 1.70 3x5.3mm ² 1.70 3x5.3mm ² 40.0 3x8.4mm ² 40.0 3x8.4mm ² 40.0 3x8.4mm ²	9 32 32 32 AIN US CT No. 1 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3	14,7 TOTA 2,988 TOTA ST—A4 3 4th. FLOOR (1000) 3 4th. 4th. FLOOR (1000) 3 4th. 11.0 Mee 12 11.0 13 4.10 14 4.20 15 4.10 16 Mee 17 8.30 18 8.30 14 8.30 15 8.30 16 10 17 8.30 18 70 19 10 10 10 12 10 13 10 14 10 15 10 16 10 16 10 16 10 17 10 18 10 19 10 10 10 10 10 10 10 10 10 <	AL A/ØC AL VA PANELBO Ø, 4 WIRE PIPE SHOP) DESCRIPTION 1 ting room 1 ting room 1 ting room 1 ting room 1 ting room 1 ting room 1 AL A/ØA AL A/ØB AL A/ØC AL VA	SURFA	CE MOUNTED 120/2 CB DESCRIPTION 15 Roof lights 15 Roof lights 15 Roof lights 20 Outdoor outlets 20 Hand dryer 20 Hand dryer	208 VOLT 100 AMPERE ØA ØB Ø 4.30 8.70 8.70 8.70 15.0	AMPERE BU WIRING 2x5.3mm² 2x5.3mm² 3x5.3mm² 3x5.3mm² 3x5.3mm² 3x5.3mm² 3x5.3mm² 3x5.3mm²
11 47, PANEL LOCATION CT No. WIRING 1 2x5.3mm 3 2x5.3mm 5 3x5.3mm 7 3x5.3mm 9 3x5.3mm 9 3x5.3mm 5 3x5.3mm 5 3x5.3mm 5 3x5.3mm 7 3x5.3mm 9 3x5.3mm 11 3x5.3mm 11 3x5.3mm 11 3x5.3mm	7,4 ,724 ST-C CAFETERIA- 2 7.40 2 8.60 2 8.60 2 8.60 2 3.30 2 1.70 2 3.30 2 8.60 2 8.60 2 8.30 2 8.30 2 8.30 2 8.30	TOTAL A/¢C TOTAL VA PANEL 3¢, 4 WIRE 1st FLOOR DESCRIPTION Cafeteria lights Kitchen lights Outlets-cafeteria Outlets Outlets Outlets TOTAL A/¢A TOTAL A/¢C	SURFAC	E MOUNTED 120/208 DESCRIPTION COutlets 20 Outlets 20 Outlets 20 Outlets 20 Outlets 20 Outlets 20 Outlets	VOLT 100 AMPERE WIRING #A #B #C WIRING 1.70 3x5.3mm² 1.70 1.70 3x5.3mm² 3x5.3mm² 40.0 3x8.4mm² 40.0	9 32 32 32 AIN US CT No. 1 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3	A 7 TOTA 2,988 TOTA ST—A4 3 4th. FLOOR (1000) 3 4th. 4th. FLOOR (1000) 3 4th. 4th. FLOOR (1000) 3 4th. 4 4th. 3 4th. 4	AL A/ØC AL VA PANELBO Ø, 4 WIRE PIPE SHOP) DESCRIPTION Ets 1 ridor 1 ting room 1 ting room 1 ting room 1 ting room 1 ting room 1 AL A/ØA AL A/ØB AL A/ØC	SURFA	CE MOUNTED 120/2 CB DESCRIPTION 15 Roof lights 15 Roof lights 15 Roof lights 20 Outdoor outlets 20 Hand dryer	208 VOLT 100 AMPERE #A #B # 4.30 8.70 8.5.00 15.0 11.00) AMPERE BU WIRING C 2x5.3mm ² 2x5.3mm ² 2x5.3mm ² 3x5.3mm ² 3x5.3mm ² 5.0 3x5.3mm ²

Imm 15.0 Hand dryer 1 20 2 20Maint. dept. 208/120v 3x5.3mm ² 20 nm ^a 10.0 Telephone room 1 20 2 20Maint. dept. 208/120v 10.0 3x5.3mm ² 20 nm ^a 10.0 Telephone room 1 20 2 20Maint. dept. 208/120v 10.0 3x5.3mm ² 20 10.0 Mond. dept. 3% outlets 3 30 2 2 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 21 20 21 20 21 20 21 20 21 20 21 <th>Jamm² 15.0 Hand dryer 1 20 308/120v 10.0 3x5.3mm² 20 Jamm² 10.0 Telephone room 1 20 10.0 22 20 Maint. dept. 208/120v 10.0 22 22 Jamm² 10.0 Telephone room 1 20 20 10.0 22 Jamm² 10.0 Moin. dept. 306 outlets 3 30 10.0 26 Jamm² 10.0 Moin. dept. 306 outlets 3 30 10.0 26 10.0 10.0 28 30 30 30 10.0 26 10.0 10.0 23 30 30 10.0 26 310 10.0 10.0 30 32 30 10.0 23 20 10.0 10.0 10.0 330 30 10.0 232 30 10.0 20 10.0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20</th> <th>92,5 IOTAL A/ØA 87,1 TOTAL A/ØB 87,8 TOTAL A/ØC 32,328 TOTAL VA</th> <th></th> <th>PANELBOARD SCHEDULE PANEL ST-A6 30, 4 WIRE SURFACE MOUNTED 30 AMPERE</th> <th></th>	Jamm ² 15.0 Hand dryer 1 20 308/120v 10.0 3x5.3mm ² 20 Jamm ² 10.0 Telephone room 1 20 10.0 22 20 Maint. dept. 208/120v 10.0 22 22 Jamm ² 10.0 Telephone room 1 20 20 10.0 22 Jamm ² 10.0 Moin. dept. 306 outlets 3 30 10.0 26 Jamm ² 10.0 Moin. dept. 306 outlets 3 30 10.0 26 10.0 10.0 28 30 30 30 10.0 26 10.0 10.0 23 30 30 10.0 26 310 10.0 10.0 30 32 30 10.0 23 20 10.0 10.0 10.0 330 30 10.0 232 30 10.0 20 10.0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	92,5 IOTAL A/ØA 87,1 TOTAL A/ØB 87,8 TOTAL A/ØC 32,328 TOTAL VA		PANELBOARD SCHEDULE PANEL ST-A6 30, 4 WIRE SURFACE MOUNTED 30 AMPERE	
nm* 15.0 Hand dryer 1 20 2 20 Maint. dept. 208/120v 10.0 3x5.3mm² 20 20 nm* 10.0 Telephone room 1 20 10.0 10.0 3x5.3mm² 24 22 nm* 10.0 Telephone room 1 20 2 20 Maint. dept. 208/120v 10.0 3x5.3mm² 24 22 nm* 10.0 Telephone room 1 20 2 20 Maint. dept. 208/120v 10.0 3x5.3mm² 24 10.0 Moin. dept. 3ø outlets 3 30 10.0 26 28 30 21 23 23 24 24 24 24 24 24 24 24 24 24 24 23 24 <th>jamm? 10.0 Veranda 1 15 1 20 Maintenance dept-o 6.70 3x5.3mm? 10 33mm2 8.30 Kitchen-mach. room 1 20 1 20 Maintenance dept-o 6.70 3x5.3mm? 12 11 12 13 12 12 12 12 13 35.3 14 13 12 14 12 12 14 12 12 14 12 14 12 14 12 14 12 14 13 16 14 13 16 16 16 16 16 16 16 16 16 16 17 16 16</th> <th>····· /</th> <th></th> <th>ne stand versioner in the second of the second state of the second second second second second second second s Next the second second</th> <th></th>	jamm? 10.0 Veranda 1 15 1 20 Maintenance dept-o 6.70 3x5.3mm? 10 33mm2 8.30 Kitchen-mach. room 1 20 1 20 Maintenance dept-o 6.70 3x5.3mm? 12 11 12 13 12 12 12 12 13 35.3 14 13 12 14 12 12 14 12 12 14 12 14 12 14 12 14 12 14 13 16 14 13 16 16 16 16 16 16 16 16 16 16 17 16 16	····· /		ne stand versioner in the second of the second state of the second second second second second second second s Next the second	
nm* 15.0 Hand dryer 1 20 2 20 Maint. dept. 208/120v 10.0 3x5.3mm² 20 20 nm² 10.0 Telephone room 1 20 10.0 10.0 22 23 24 22 23 24 24 24 24 24 24 24 24 24 24 24 23 24 <t< th=""><th>i.j.mm² 10.0 Veranda 1 15 1 20 Maintenance dept-o 6.70 3x5.3mm² 100 Stack room 1 20 11 100 100 Secretary-outlets 1 20 Additionance dept-o 6.70 3x5.3mm² 100 Stack room 1 20 Additionance dept-o 6.70 3x5.3mm² 100 Stack room 1 20 Additionance dept-o 6.70 3x5.3mm² 100 .3mm² 10.0 Maanger's room-outlets 1 20 Additionance outlets 15.0 3x5.3mm² 14 15 14 15 14 16 11 12 14 14 16</th><th></th><th></th><th>34 101AL AV90</th><th></th></t<>	i.j.mm ² 10.0 Veranda 1 15 1 20 Maintenance dept-o 6.70 3x5.3mm ² 100 Stack room 1 20 11 100 100 Secretary-outlets 1 20 Additionance dept-o 6.70 3x5.3mm ² 100 Stack room 1 20 Additionance dept-o 6.70 3x5.3mm ² 100 Stack room 1 20 Additionance dept-o 6.70 3x5.3mm ² 100 .3mm ² 10.0 Maanger's room-outlets 1 20 Additionance outlets 15.0 3x5.3mm ² 14 15 14 15 14 16 11 12 14 14 16			34 101AL AV90	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	b.3.3mm ² 10.0 Veranda 1 15 4 1 20 Maintenance dept-o 6.70 3x5.3mm ² 10 Stack room 1 20 10 10.0 Stack room 1 20 10 10.0 Stack room 1 20 10 3x5.3mm ² 10.0 Stack room 1 20 10 10.0 Stack room 1 20 10 10 10.0 Stack room 1 20 10 10 10.0 Stack room 1 20 10 10 10 10.0 Stack room 1 20 10 10 10 10.0 Stack room 1 20 10 10 10.0 Stack room 1 20 10 10 10 10.0 Stack room 1 20 10 10 10.0 Stack room 1 20 10 10 10 10 <	3mm² 10.0 Main. dept. 3ø outlets 10.0	1 20 20 10.0 3x5.3n 3 30 10.0 10.0 10.0	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	24
	3 mm^2 100 Veranda 115 + 1 20 Maintenance dept-o 670 3x5.3 mm^2 10 Stack room 120 + 120 + 100 Stack room 120 + 100 + 100 Stack room 120 + 100 +	3mm² 10.0 manager's room-outlet 3mm² 10.0 Administration office- 3mm² 15.0 Hand dryer 3mm² 10.0 Telephone room	s 1 20 - 1 20 Auditorium-outlets 15.0 3x5.3n o 1 20 - 1 20 Hand dryer 15.0 3x5.3n	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	16

PANEL	BOARD SCHEDULE		PANELBOARD SCHI
PANEL ST-AA1 30, 4 WIRE LOCATION 1st. FLOOR (MACHINE ROOM	SURFACE MOUNTED) 120/208	40 AMPERE MAIN 3 VOLT 70 AMPERE BUS	PANEL ST-AA3 30, 4 WIRE SURFACE N LOCATION 3st. FLOOR (MACHINE ROOM)
CT No. WIRING AMPERE ØA ØB ØC DESCRIPTION	$ \begin{array}{c c} CB \\ \hline PHASE \\ \hline OC \\ OC \\ \hline OC \\ $	AMPERE WIRING CT No.	$\begin{array}{c c} CT\\ No. \end{array} WIRING \end{array} \begin{array}{c c} AMPERE\\ \hline \phi A \end{array} \begin{array}{c} \phi B \end{array} \begin{array}{c} CB\\ DESCRIPTION \end{array} \begin{array}{c} CB\\ \hline \phi C\\ \hline \phi C\\$
1 2x5.3 mm² 2.70 FCU-01 3 2x5.3 mm² 2.70 FCU-03 5 2x5.3 mm² 2.70 FCU-05 7 2x5.3 mm² 2.70 FCU-07 9 2x5.3 mm² 2.70 FCU-09 11 2x5.3 mm² 2.70 FCU-01 13 2x5.3 mm² 2.70 FCU-11 13 2x5.3 mm² 2.70 FCU-13 15 2x5.3 mm² 2.70 FCU-15 17 2x5.3 mm² 2.70 FCU-17 19 2x5.3 mm² 2.70 FCU-19	1 15	2.70 2x5.3 mm² 2 2.70 2x5.3 mm² 4 2.70 2x5.3 mm² 8 2.70 2x5.3 mm² 8 2.70 2x5.3 mm² 10 2.70 2x5.3 mm² 10 2.70 2x5.3 mm² 10 2.70 2x5.3 mm² 12 2.70 2x5.3 mm² 14 2.70 2x5.3 mm² 16 2.70 2x5.3 mm² 18 2.40 2x5.3 mm² 20	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Item Item <th< td=""><td>1 15 1 15 115 115 115 115 115 115 115 115 115</td><td>2.40 2x5.3 mm² 22 2.402x5.3 mm² 24</td><td>15.9 TOTAL A/ØA 13.5 TOTAL A/ØB 15.9 TOTAL A/ØC 5,436 TOTAL VA</td></th<>	1 15 1 15 115 115 115 115 115 115 115 115 115	2.40 2x5.3 mm ² 22 2.402x5.3 mm ² 24	15.9 TOTAL A/ØA 13.5 TOTAL A/ØB 15.9 TOTAL A/ØC 5,436 TOTAL VA

				PANELBOARD SCHI
	PANELE	BOARD SCHEDULE		PANEL ST-AA4 30, 4 WIRE SURFACE N LOCATION 4th. FLOOR (MACHINE ROOM)
PANEL ST-AA2 LOCATION 2st. FLOOP	3ø, 4 WIRE R (MACHINE ROOM)	SURFACE MOUNTED	30 AMPERE MAIN 70 AMPERE BUS	CT AMPERE CB PHASE CB No. WIRING #A #B #C DESCRIPTION 0 <t< th=""></t<>
5 2x5.3 mm² 2.70 7 2x5.3 mm² 2.70 9 2x5.3 mm² 2.70	DESCRIPTION	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	AMPERE WiRing CT No. #A #B #C WiRing CT No. 2.70 2x5.3 mm² 2 2 2.70 2x5.3 mm² 4 2 2.70 2x5.3 mm² 6 2 2.40 2x5.3 mm² 10 2 2.40 2x5.3 mm² 10 12	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
DATE	COORDMATE	BY APPROVED DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN DESKNED BY : SECTION : BUILDIN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE SUB-SECTION : PORT AN OF THE REPUBLIC OF EL SALVADOR CHECKED BY : ILL ? Image: Section in the image of

CHEDULE					
ACE MOUNTED		3	0 4	MPERE N	IAIN
		7	0	AMPERE	BUS
		#PERI		WIRING	CT No.
1 15 FCU-32	2,70	2.70		2x5.3 mm 2x5.3 mm	² 2 ² 4
1 15 FCU-34 1 15 FCU-36	T		2.70	2x5.3 mm	2 6
1 15 FCU-38 1 15 FCU-40	2.70	2.70		2x5.3_mm 2x5.3_mm	
1 15 FCU-42			2.70	2x5.3 mm	2 12
1 15 Exhaust	2.40			2x5.3_mm	* 14 16
1 15 Exhaust			2.40	2x5.3 mm	
		180			
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ACE MOUNTED	<u> </u>	LT 7	70	AMPERE I AMPERE	BUS
СВ	A	LT 7	70 RE		BUS CT
ACE MOUNTED 120/200 CB DESCRIPTION	A ¢A	LT 7 MPER	70 RE	AMPERE	BUS CT
ACE MOUNTED 120/200 CB $\bigcirc O$ CB $\bigcirc O$ DESCRIPTION 1 15 FCU-47 1 15 FCU-49	A	LT 7 MPER	70 RE ØC	AMPERE WIRING 2x5.3 mm 2x5.3 mm	BUS CT No. 1 ² 2 1 ⁸ 4
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-49 1 15 FCU-51	A \$A 2.70	MPER ØB 2.70	70 RE ØC	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No.
ACE MOUNTED 120/200 CB \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc	A ¢A	MPER ØB 2.70	70 Æ ØC	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 1 ² 2 1 ² 4 1 ² 6 1 ² 8 1 ² 10
ACE MOUNTED 120/200 CB \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc	A \$A 2.70 2.70	MPER 2.70 2.70	70 Æ ØC	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 1 ² 2 1 ⁴ 4 1 ² 6 1 ² 8 1 ² 10 1 ² 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70	MPER 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 1 ² 2 1 ² 4 1 ² 6 1 ² 8 1 ² 10 1 ² 12 1 ² 14 1 ³ 16
ACE MOUNTED 120/200 CB \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 12 2 14 12 6 12 8 12 10 12 12 12 12 1
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 12 2 2 4 12 6 12 6 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No 2 2 2 4 1 ² 6 1 ² 12 16 1 ² 12 1 ² 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 12 2 2 4 12 6 12 6 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No. 12 2 2 4 12 6 12 6 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No 2 2 2 4 1 ² 6 1 ² 12 16 1 ² 12 1 ² 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No 12 2 2 4 12 6 12 6 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/208 CB CB CB DESCRIPTION 1 15 FCU-47 1 15 FCU-49 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor) 1 15 Exhaust (roof) 1 15 Exhaust (roof)	A \$A 2.70 2.70	MPER ØB 2.70 2.70	70 RE 2.70 2.70	AMPERE WIRING 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No 2 2 2 4 1 ² 6 2 8 1 ² 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB DESCRIPTION 1 15 FCU-47 1 15 FCU-47 1 15 FCU-51 1 15 FCU-53 1 15 FCU-55 1 15 FCU-55 1 15 FCU-57 1 15 Exhaust (5th floor) 1 15 Exhaust (6th floor)	A #A 2.70 2.70	2.70 2.40	70 RE 2.70 2.70	AMPERE 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm 2x5.3 mm	BUS CT No 2 2 2 4 1 ² 6 2 8 1 ² 12 12 12 12 12 12 12 12 12 12
ACE MOUNTED 120/200 CB 0 0 15 FCU-47 15 FCU-47 15 FCU-51 15 FCU-53 15 FCU-55 15 FCU-55 15 FCU-57 15 Exhaust (5th floor) 15 Exhaust (6th floor) 15 Exhaust (roof) 15 Exhau	A #A 2.70 2.40	2.70 2.40	2.70 2.70 2.40	AMPERE 2x5.3 mm 2x5.3 mm	BUS CT No 2 2 2 2 2 4 1 ² 2 12 2 12 12 12 12 12 12 12
ACE MOUNTED 120/208 CB CB CB CB CB CB CB CB CB CB	A #A 2.70 2.40	2.70 2.40	2.70 2.70 2.40	AMPERE WIRING 2x5.3 mm 2x5.3 mm	BUS CT No. 12 2 14 12 6 12 8 12 10 12 12 12 12 1





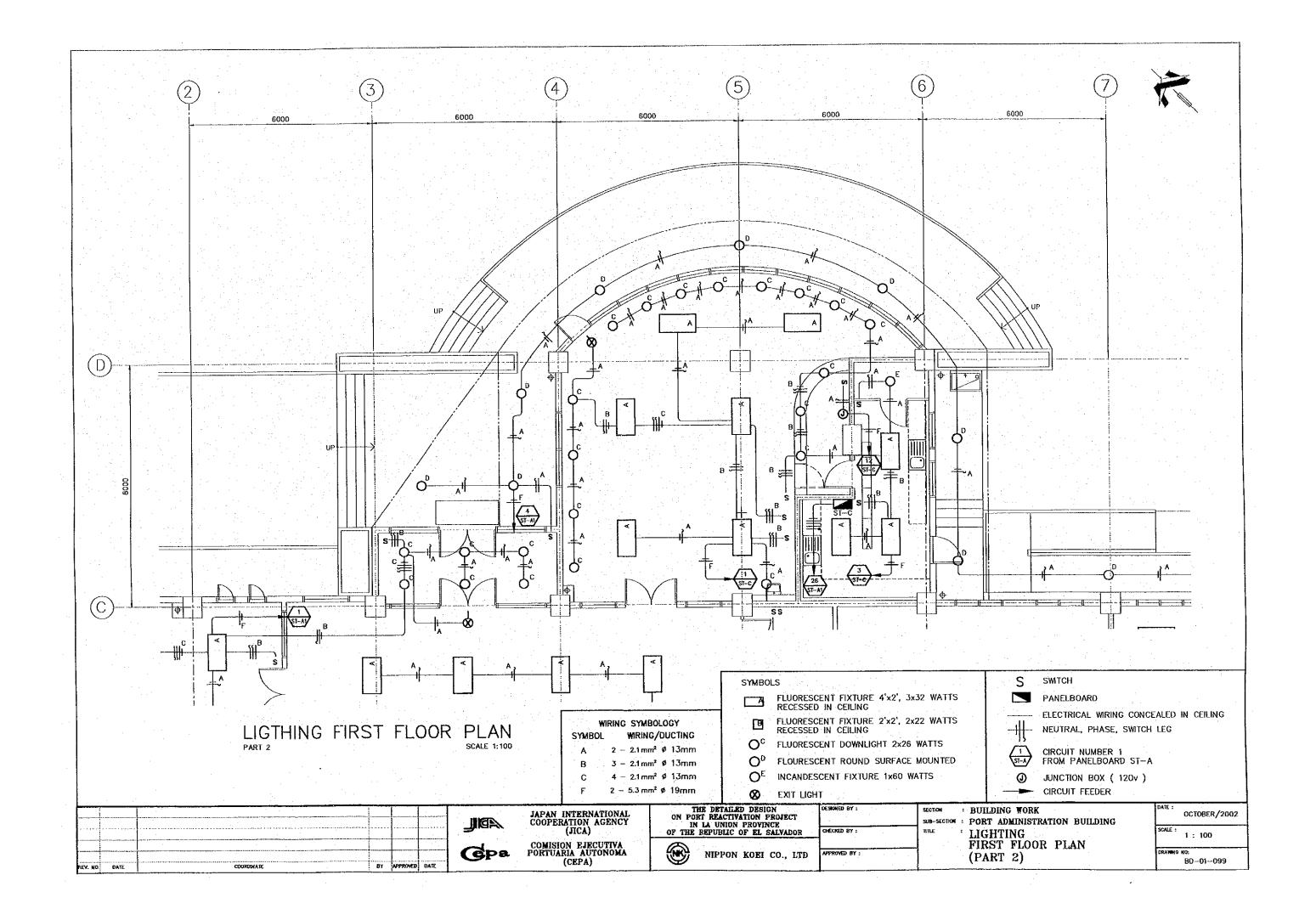
LIGTHING FIRST FLOOR PLAN

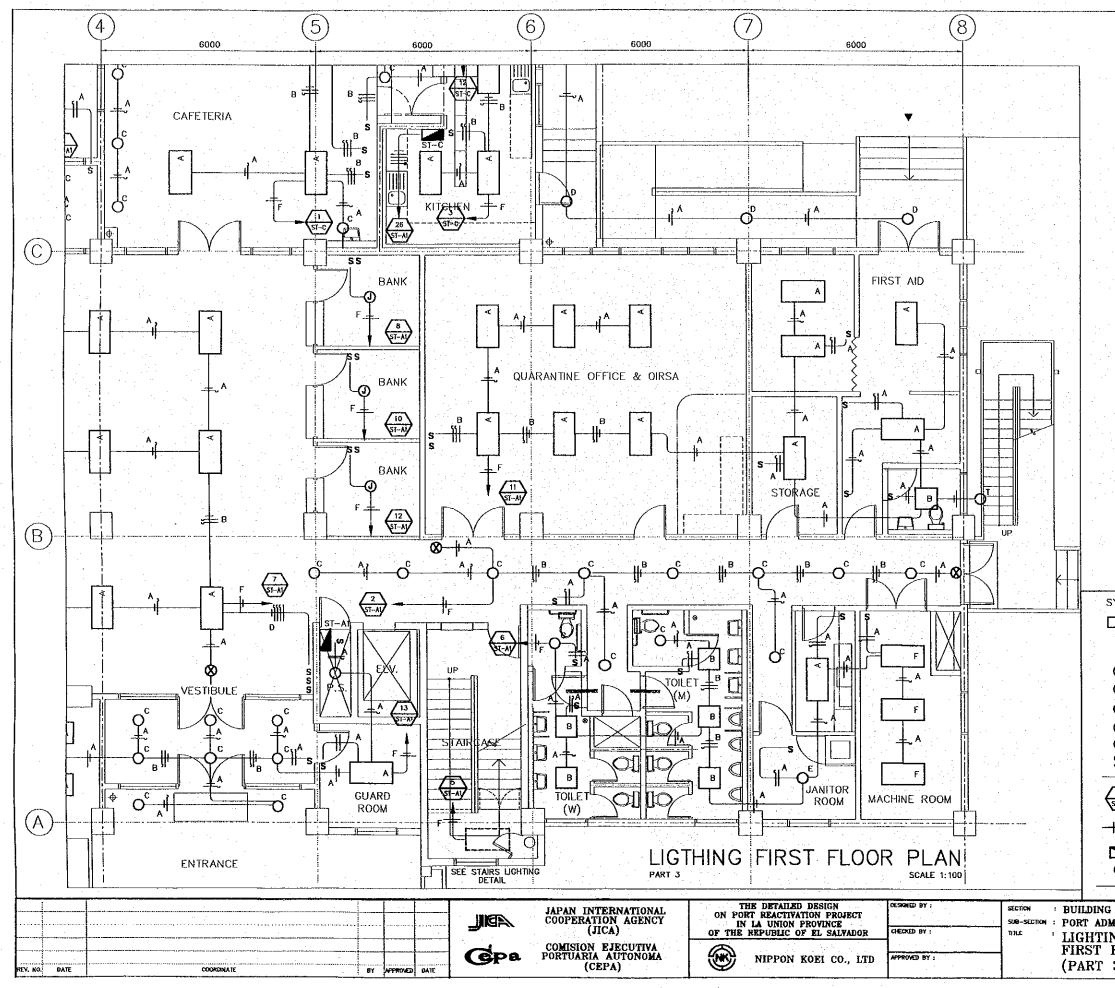
SCALE 1:100

	WIRING SYMBOLOGY
SYMBO	WIRING/DUCTING
A	2 – 2.1 mm² ø 13mm
B	3 – 2.1 mm² Ø 13mm
C	4 – 2.1 mm² ø 13mm
F	2 ~ 5.3 mm² Ø 19mm

SYMBOLS

\rightarrow	CIRCUIT NUMBER 1 FROM PANELBOARD ST-A	
A	FLUORESCENT FIXTURE 4'x2 RECESSED IN CEILING	2', 3x32 WATTS
B	FLUORESCENT FIXTURE 2'x2 RECESSED IN CEILING	2', 2x22 WATTS
)c	FLUORESCENT DOWNLIGHT 2	2x26 WATTS
) ^D	FLUORESCENT ROUND SURF	ACE MOUNTED
0	EXIT LIGHT	
5	SWITCH	
	ELECTRICAL WIRING CONCE	ALED IN CEILING
	PANELBOARD	
ţ-	NEUTRAL, PHASE, SWITCH	LEG
D	JUNCTION BOX (120v)	
	CIRCUIT FEEDER	
TOR	K TRATION BUILDING	DATE : OCTOBER/2002
G	OR PLAN	scale : 1 : 100
)	:	DRAWNG NO: 8D01098





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WIRING SYMBOLOGY		
SYMBOL	WIRING/DUCTING	
A	2 ~ 2.1 mm² Ø 13mm	
В	3 – 2.1 mm² ø 13mm	
С	4 - 2.1 mm² Ø 13mm	
F	2 - 5.3 mm² Ø 19mm	

SYMBOI	LS		
<u> </u>	FLUORESCENT FIXTURE 4'x2 RECESSED IN CEILING	2', 3x32 WATTS	
▣	FLUORESCENT FIXTURE 2'x2', 2x22 WATTS RECESSED IN CEILING		
O ^c	FLUORESCENT DOWNLIGHT 2x26 WATTS		
O⁰	FLUORESCENT ROUNDED SURFACE MOUNTED		
OE	INCANDESCENT FIXTURE 1x60 WATTS		
O ^T	WALL MOUNTED LIGHT		
Ø.	EXIT LIGHT		
Ŝ -	SWITCH		
. <u> </u>	ELECTRICAL WIRING CONCEALED IN CEILING		
	CIRCUIT NUMBER 1 FROM PANELBOARD ST-A		
╫	NEUTRAL, PHASE, SWITCH LEG		
	PANELBOARD		
0	JUNCTION BOX (120v)		
-	CIRCUIT FEEDER		
WORK MINISTRATION BUILDING NG FLOOR PLAN 3)		DATE : OCTOBER/2002	
		scale : 1 : 100	
		DRAWNG NO: BD-01-100	

