社会開発調查部報告書

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

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

FINAL REPORT

(DRAFT) BIDDING DOCUMENTS

Package A: Civil and Building Works Volyme IV-A

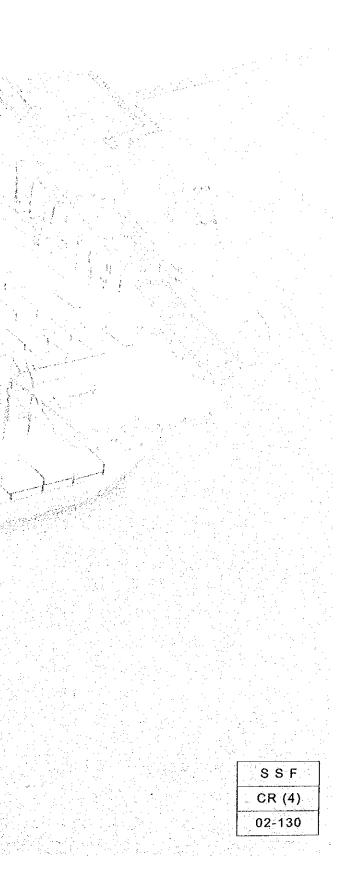
DRAWINGS (2/2)



OCTOBER 2002

NIPPON KOEI CO., LTD.

No. 21



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

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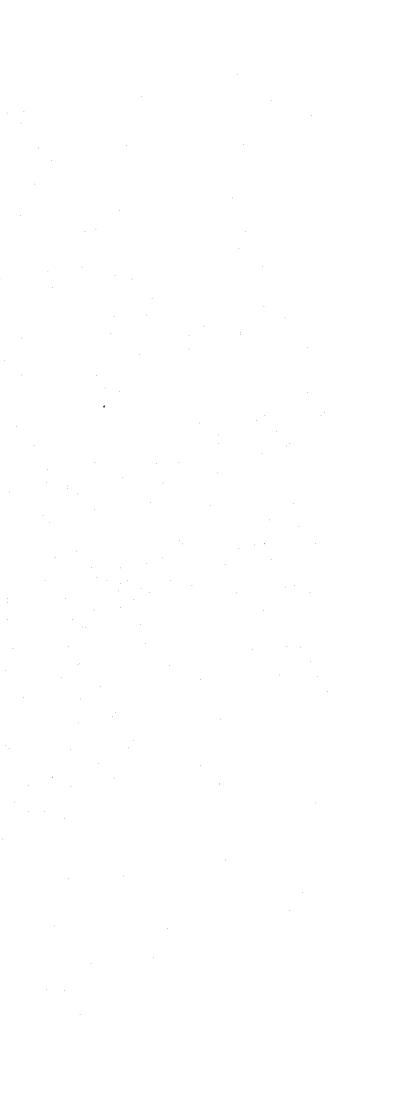
DRAWINGS (2/2)

OCTOBER 2002

NIPPON KOEI CO., LTD.







LA UNION PORT DEVELOPMENT PROJECT

DRAWING LIST FOR PACKAGE-A (2/2)

BUILDING WORKS

Drawing No.	Title	Drawing No.	Title	Drawing No.	
BUILDING W	ORKS	BD - 01 - 036		BD 01 082	
	GENERAL	BD - 01 - 037	Ramp Details	BD - 01 - 083	Air Conditioning Sy
D - 00 - 001	Building Location Plan	BD - 01 - 038	Miscellaneous Details-01	BD - 01 - 084	Air Conditioning Sy
	General Notes	BD - 01 - 039	Miscellaneous Details-02		Air Conditioning Sy
D - 00 - 003	Architectural Standard Details-01	BD - 01 - 040	Miscellaneous Details-03 (Entrance Canopy Details)		Air Conditioning Sy
D - 00 - 004	Architectural Standard Details-02	***************************************	Miscellaneous Details-04		Air Conditioning Sy
D - 00 - 005	Subsequent Reclamation	BD - 01 - 042	Miscellaneous Detail-05	BD - 01 - 088	Air Conditioning Sy
D - 00 - 006	Structural Standard Details-01		Parking Shed: Floor Plan and Details	BD - 01 - 089	Air Conditioning Sy
D - 00 - 007	Structural Standard Details-02	BD - 01 - 044	Parking Shed: Roof Plan, Sections "A &B" and Details	BD - 01 - 090	Air Conditioning Sy
D - 00 - 008	Electrical Standard Details		Parking Shed Structure Roof, Foundation Plan and Details		Air Conditioning Sy
	PORT ADMINISTRATION BUILDING	BD - 01 - 046	Landscaping Plan	BD 01 092	Air Conditioning Sy
D - 01 - 001	First Floor Plan		Landscape Details		Air Conditioning Sy
D - 01 - 002	Second Floor Plan		Structural Pile Foundation Plan		Panelboard Schedule
	Third Floor Plan	BD - 01 - 049	Structural First Floor Plan	BD - 01 - 095	Panelboard Schedule
	Fourth Floor Plan		Structural Second Floor Pian		Panelboard Schedule
	5th, 6th and Roof Floor Plans		Structural Third Floor Plan	BD - 01 - 097	Panel Board Schedu
	Southwest Elevation		Structural Fourth Floor Plan		Lighting First Floor
	Northeast Elevation	BD - 01 - 053	Structural Fifth, Sixth and Roof Floor Plans		Lighting First Floor
	Northwest Elevation		Structural Section-01 (A Section)		Lighting First Floor
D - 01 - 009			Structural Section-02 (B Section)		Lighting Second Flo
D - 01 - 010	Section A-A		Structural Section-03 (C-Axis Section)		Lighting Third Floor
	Section B-B		Structural Section-04 (4,5 & 6-Axis)		Lighting Fourth Flo
	Section C-C		Structural Section-05 (1,2,3,7 & 8-Axis)		Lighting Fifth and S
	Section D-D		Structural Pile and Column Schedule		Main Stair Case Lig
	Section Details		Structural Foundation Schedule		Outlets First Floor P
	Architectural Counter Details		Structural Foundation Beam Schedule		Outlets First Floor P
	Door and Window Schedule-01		Structure Beam Schedule-01		Outlets First Floor P
	Door and Window Schedule-02		Structure Beam Schedule-02		Outlets Second Floo
	Door and Window Schedule-03		Structural Slab Schedule		Outlets Third Floor
	Exterior and Interior Finish Schedule-01		Canopy Structure Details		Outlets 4th Floor Pla
	Exterior and Interior Finish Schedule-02		Structural RC Details		Outlets 5th and 6th 1
	Finish Plan: First Floor (Part 1)		Structural Stairs Details		Fire Detection Syste
	Finish Plan: First Floor (Part 2)		Water Supply Plumbing Isometric	BD - 01 - 114	Fire Detection Syste
	Finish Plan: First Floor (Part 3)		Wate Drainage Plumbing Isometric	BD - 01 - 115	Fire Detection Syste
	Finish Plan: Second Floor		Sanitary Drainage Plumbing Isometric		Fire Detection Syste
	Finish Plan: Third Floor		Plumbing System and Fire Fighting System, First Floor		Communication Sys
	Finish Plan: Fourth and Fifth Floors		Plumbing System and Fire Fighting System, First Poor		Communication Sys
D - 01 - 020	Finish Plan: Sixth Floor and Roof				Communication Sys
D - 01 - 027 D - 01 - 028	Toilet Detail-01		Phimbing System and Fire Fighting System, Third Floor		Communication Sys
	Toilet Detail-02		Plumbing System and Fire Fighting System, 4th, 5th, 6th Floor		
			Phumbing System Toilet Detail-1	BD - 01 - 121	
	Toilet Detail-03		Plumbing System Toilet Detail-2		
	Toilet Detail-04		Phumbing System Toilet Detail-3		
	Toilet Detail-05		Plumbing System Toilet Detail-4		
	Toilet Detail-06	A second s	Plumbing System Toilet Detail-5		
***************************************	Stair Case Detail-01		Plumbing System Kitchen Detail		
BD - 01 - 035	Stair Detail-02 (Emergency Stair)	BD - 01 - 081	Air Conditioning System Piping Diagram	and the second second	

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						ABIL	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL EALVADOR	DESIGNED BY ; CHECKED BY ;	SECTION : BUILDING SUB-SECTION : DRAWING
REV. NO	DATE	Соокомите	BY	APPROVED	DATE	Gpa	COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	NIPPON KOEI CO., LTD.	APPROVED BY :	nne DRAWING BUILDING
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Title	
System Equipment Schedule-01	
System Equipment Schedule-02	
System Equipment Schedule-03	
System First Floor Plan(Part-1)	
System First Floor Plan(Part-2)	
System First Floor Plan(Part-3)	
System Second Floor Plan	
System Third Floor Plan	
System 4th and 5th Floor Plans	
System 6th and Roof Floor Plans	
System Detail-01	·····
System Detail-02	
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LA UNION PORT DEVELOPMENT PROJECT

DRAWING LIST FOR PACKAGE-A (2/2)

BUILDING WORKS

Drawing No.	Title	Drawing No.	Title	Drawing No.	
	CONTAINER FREIGHT STATION (C.F.S)		MAINTENANCE AND REPAIR SHOP		CONTAINER GATE
BD 02 001	First Floor Plan	BD - 03 - 001	First Floor Plan	BD 04 001	First Floor Plan
BD - 02 - 002	Mezzanine Floor Plan	BD - 03 - 002	Mezzanine Floor Plan	BD - 04 - 002	Second Floor Plan
BD - 02 - 003	Roof Plan	BD - 03 - 003	Roof Plan		Roof Plan
3D - 02 - 004	Northwest and Southwest Elevations	BD - 03 - 004	Northwest Elevation, Northeast Elevation		Northwest & Southwest
3D - 02 - 005	Southwest and Northeast Elevations		Southeast Elevation, Southwest Elevation		Southeast & Northeast E
3D - 02 - 006	Section A-A and Section B-B		Section A-A and B-B	······································	Section A-A & B-B
BD - 02 - 007	Section C-C	BD - 03 - 007	Section C-C and D-D	BD - 04 - 007	Detailed Plan of Offices
3D - 02 - 008	Architectural Detail Section-01		Architectural Detailed Section-01		Architectural Detail Sect
3D - 02 - 009	Section Detail -02 and Miscellaneous Details		Architectural Detailed Section-02		Door and Window Schee
ND - 02 - 010	Roll-up Door Details	BD - 03 - 010	Windows and Doors Schedule-01		Exterior and Interior Fin
	Windows and Doors Schedule-01		Windows and Doors Schedule-02		Finish Plan First Floor
	Windows and Doors Schedule-02		Exterior and Interior Finish Schedule		Finish Plan Second Floor
	Exterior and Interior Finish Schedule		Finish Plan First Floor (Part 1)	***************************************	Steel Stair Detail
	Finish Plan First Floor (part I)		Finish Plan First Floor (Part 2) and Second Floor		Miscellaneous Detail
	Finish Plan First Floor (part II) and Mezzanine Floor Plan		Toilet Detail		Weigh Bridge Detail
*******	Toilet Detail		Staircase Detail		Structural Pile Foundation
	Stair Case Detail		Details of Inspection Pit		Structural First Floor Pla
	Structural Pile Foundation Plan		Washing Ramp Details		Structural Second Floor
***************************************	Structure First and Second Plan		Roll-up Door Detail		
	Structural Roof Plan	and the second	Structural Pile Foundation Plan		Structural Roof Plan
	Skylight Roof Plan and Section-01				Structural Section
	Structural Section-02		Structural First and Second Plans Structural Roof Plan		Structural Pile and Found
	Structural Section-02				Structural Foundation Be
~~	Structural Section-04		Skylight Roof Plan and Structural Section-01 Structural Section-02		Structural Column and B
	Structural Pile and Foundation Schedule		Structural Section-02		Structural Steel Detail-01
		1			Structural Steel Detail-0
	Structure Foundation Beam, Column, Beam and Slab Schedule		Structure Pile and Foundation Schedule		Fire Fighting System, Fi
~~~~	Structure RC Detail		Structure Foundation Beam, Column, Beam and Slab Schedule		Air Conditioning System
V20	Structure Steel Detail-01 Structure Steel Detail-02		Structural RC Detail		Air Conditioning System
			Structural Steel Detail		Panelboard Schedule
	Plumbing System Isometrics		Plumbing System Isometrics		Lighting Plan First Floor
· · · · · · · · · · · · · · · · · · ·	Plumbing System and Fire Fighting System Layout		Plumbing System and Fire Fighting System Layout First Floor		Lighting Plan Second Flo
	Plumbing System Toilet and Kitchen Detail		Fire Fighting System Second Floor, Plumbing Details		Outlets First and Second
	Air Conditioning 1st and Mezzanine Floor & Elevation		Plumbing System Toilet Detail	BD - 04 - 033	Fire Detection System Fi
	Panelboard Schedule		Air-Conditioning System 1st and Mezzanine Floor Plans and Elevation		
	Lighting 1st and Mezzanine Floor Plans		Panelboard Schedule	BD - 04 - 035	Lightning Protection Sys
$\frac{10}{10} = \frac{10}{10} = \frac{10}{10}$	Outlet Plan 1st and Mezzanine Floor		Lighting 1st & Mezzanine Floor Plans		
3D - 02 - 037	Fire Detection System First Floor and Mezzanine Plans		Outlets 1st & Mezzanine Floor Plans		
	Communication System 1st and Mezzanine Floor Plans	where we are all of the second states and states a second states and	Fire Detection System 1st & Mezzanine Floor Plan		
3D - 02 - 039	Lightning Protection System Elevation & Roof Plan		Communication System 1st & Mezzanine Floor Plan		
		BD - 03 - 040	Lightning Protection System Elevation & Roof Plan		
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#### LA UNION PORT DEVELOPMENT PROJECT

#### DRAWING LIST FOR PACKAGE-A (2/2)

#### **BUILDING WORKS**

Drawing No.	Title	Drawing No.	Title	Drawing No.	
	CARGO GATE		POWER SUPPLY STATION		······································
BD - 05 - 001	First & Second Floor Plans	BD - 06 - 001	First Floor and Roof Plan		
BD - 05 - 002		BD - 06 - 002	Northwest, Northeast, Southeast and Southwest Elevations		e de la companya
BD - 05 - 003	Roof Plan and Section A-A & B-B	BD - 06 - 003	Section A-A, B-B and C-C		
BD - 05 - 004	Detailed Plan of Offices		Architectural Detail Section		
BD - 05 - 005		BD - 06 - 005	Windows and Doors Schedule		·
BD - 05 - 006	Door and Window Schedule	BD - 06 - 006	Exterior and Interior Finish Schedule		
BD 05 007	Exterior and Interior Finish Schedule	BD - 06 - 007	Finish Plan First Floor		***
BD - 05 - 008			Equipment Layout (1)		
BD - 05 - 009			Equipment Layout (2)		
BD - 05 - 010	Miscellaneous Detail		Gate and Fence Detail	· · · · · · · · · · · · · · · · · · ·	
BD - 05 - 011	Weigh Bridge Detail		Miscellaneous Details		
BD - 05 - 012			Structural Pile and Foundation Plan		
BD - 05 - 013	· · · · · · · · · · · · · · · · · · ·		Structural Roof Plan		
BD 05 014	· · · · · · · · · · · · · · · · · · ·	BD - 06 - 014			
	Structural Roof Plan		Structural Pile and Foundation Schedule		
BD - 05 - 016			Structural Beam, Column and Slab Schedule		
BD = 05 = 010 BD = 05 = 017			Plumbing System and Fire Fighting System		
BD - 05 - 018			VAC System 1st Floor Plan, Elevation and Section A-A		
BD - 05 - 019		BD - 06 - 019	Panelboard Schedule		
BD - 05 - 020		BD - 06 - 020	Lighting Plan		
BD - 05 - 021	Structural Steel Detail-02 and RC Detail	BD - 06 - 021	Fire Detection System		
BD - 05 - 021			Communication System		
BD - 05 - 022			Lightning Protection System Elevation & Roof Plan		-
BD - 05 - 024		00 025	Lighting Floteenon System Elevation & Root Fight	n an	· · · · · · · · · · · · · · · · · · ·
BD - 05 - 025					
	Outlet First and Second Floor Plans				
BD - 05 - 020					
	Communication System 1st and 2nd Floor Plan				
BD - 05 - 029					
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UTILITY WO	PKS			······		
	WASTEWATER SYSTEM	· .				
	General Layout of Wastewater System					
	Detail-1 of Wastewater System					
	Detail-2 of Wastewater System					
	Details of Oil/Water Separator - 1 (M&R Shop)					
	Details of Oil/Water Separator - 2 (Storm Water Route-A)					
	Details of Oil/Water Separator - 3 (Storm Water Route-B)					
	Details of Oil/Water Separator - 4 (Storm Water Route-C)		· ····································			
	Details of Oil/Water Separator - 5 (Storm Water Route D)					
	WATER SUPPLY AND FIRE FIGHTING SYSTEMS					
***************************************	General Layout of Water Supply and Fire Fighting Systems					
	Layout of Water Supply and Fire Fighting Systems in Port Area			· · · · · · · · · · · · · · · · · · ·		
	Layout of Water Supply and Fire Fighting Systems in Out of Port Area					
	Profile of Water Supply and The righting systems in Out of rate					
	Proposed Location of Water Storage and Purification Facilities					
	Detail-1 of Water Storage Tanks					
	Detail-2 of Water Storage Tanks					
	Detail-1 of Water Supply System					
	Detail-2 of Water Supply System					
	Detail-1 of Fire Fighting System					
	Detail-2 of Fire Fighting System					
	2 Detail-3 of Fire Fighting System				: · · · ·	
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CL - VV - VVI	POWER SUPPLY		· · · · · · · · · · · · · · · · · · ·			
ET 01 001	Power Supply System Single Line Diagram					
	2 46 ky Transmission Line Route 3 Power Supply Station Equipment Layout					
	4 Distribution System Diagram					·
	5 Main Underground Cable Layout					
	AREA LIGHTING SYSTEM					
	ARCA LIGHTING STSTEM					
	2 Details of Lighting Poles, Masts and Fixtures					
	3 Street Light, Area Light Around Administration Building & Details					
<u>EL - V4 - VV</u>	FIRE DETECTION AND COMMUNICATION SYSTEM					
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	1 Fire Detection System Diagram 2 Fire Detection System Layout		· · · · · · · · · · · · · · · · · · ·			Participal and a second state of the second st
	2 Fire Detection System Layout 3 Communication / Data System Diagram					
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	4 Communication System Layout		······································			
EL - US - 00	5 Mobile Phone & UHF/VHF Communication System Principle Diagram	4			······	
	LIGHTNING PROTECTION SYSTEM					
EL - 04 - 00	I Lightning Protection System Layout			· · · · · · · · · · · · · · · · · · ·		
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