

**SEQUENTIAL DRAWING INDEX AND ANNOTATED DRAWING INDEX OF 1/1**

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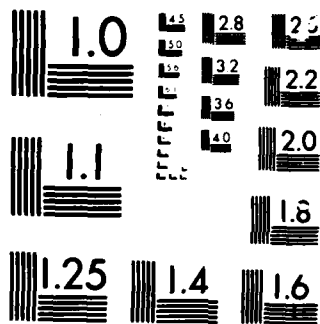
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SEQUENTIAL DRAWING INDEX  
AND  
ANNOTATED DRAWING INDEX  
OF THE  
OCEAN CONSTRUCTION PLATFORM  
SEACON

Prepared for:

Department of the Navy  
Chesapeake Division  
Navy Facilities Engineering Command  
Ocean Engineering and Construction  
Operations Office  
St. Juliens Creek Annex  
Portsmouth, Virginia 23702

In Response to:

Contract N00600-81-D-5270  
Delivery Order 018

Prepared by:

Tracor Marine, Inc. ✓  
P.O. Box 13107  
Port Everglades Station  
Fort Lauderdale, Florida 33316

Project No. 723518  
Report No. 83-723518-1

30 September 1983

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# Tracor Marine

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Under Contract N00600-81-D-5270, Delivery Order 18-307, Tracor Marine has been  
tasked with indexing the SEACON drawing package. This document presents the  
Sequential Drawing Index and the Annotated Drawing Index.

The indices will be of use to all personnel accessing the SEACON (Con't)

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drawing package. The provide the user with the means to quickly locate desired information, and to determine the content of any of the SEACON drawings.

**Tracor Marine**



SEQUENTIAL DRAWING INDEX  
and  
ANNOTATED DRAWING INDEX  
of the  
OCEAN CONSTRUCTION PLATFORM  
SEACON

Prepared for:

Department of the Navy  
Chesapeake Division  
Navy Facilities Engineering Command  
Ocean Engineering and Construction Operations Office  
St. Juliens Creek Annex  
Portsmouth, Virginia 23702

In Response to:

Contract N00600-81-D-5270  
Delivery Order 018

Prepared by:

Tracor Marine, Inc.  
P.O. Box 13107  
Port Everglades Station  
Fort Lauderdale, Florida 33316

Project No. 723518  
Report No. 83-723518-1

30 September 1983

Approved By: Robert S.C. Munier  
Robert S.C. Munier

# Tracor Marine



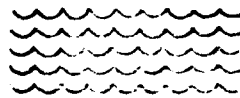
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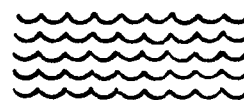
## 1.0 INTRODUCTION

Under Contract N00600-81-D-5270, Delivery Order 18-307, Tracor Marine has been tasked with indexing the SEACON drawing package. This document presents the Sequential Drawing Index and the Annotated Drawing Index.

The indices will be of use to all personnel accessing the SEACON drawing package. They provide the user with the means to quickly locate desired information, and to determine the content of any of the SEACON drawings.



## Tracor Marine



### 2.0 USER'S GUIDE

#### 2.1 SEACON Drawing Package

The drawings listed within this document comprise the SEACON drawing package. The drawing package is presently available at the following locations in the listed form.

#### LOCATION

#### FORM

TRACOR MARINE, INC.,  
P.O. Box 13107  
Port Everglades Station  
Fort Lauderdale, Florida 33316  
Contact: R.S.C. Munier

Original Drawings  
Original Roll of microfilm

Department of the Navy  
Chesapeake Division  
Navy Facilities Engineering Command  
Ocean Engineering and Construction  
Operations Office  
St. Juliens Creek Annex  
Portsmouth, Virginia 23702  
Contact: G.B. Phillips

Aperture Cards  
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Department of the Navy  
Chesapeake Division  
Navy Facilities Engineering Command  
Building 212, Washington Navy Yard  
Washington, D.C. 20374  
Contact: Librarian

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OCP SEACON  
Contact: B.W. Tharp

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2.2      Sequential Drawing Index

↙ The sequential Drawing Index lists the drawings in numerical order according to drawing number. The information included is as follows:

DRAWING NO. - the means of identification of a particular drawing. The aperture cards are also filed according to drawing number.

REVISION NO., MO/YR - the number and date of the latest revision. The condition aboard the vessel is generally reflected as of this date.

TITLE - the distinguishing name of a particular drawing.

MO/YR DRAWN - the original date the drawing was produced,.

SIZE - the dimensions of the drawing if a rolled drawing, or the appropriate letter designation, if a standard size drawing.

# AP CDS - indicates the number of sheets per drawing number, and the number of aperture cards per drawing number..



### 2.3      Annotated Drawing Index

The Annotated Drawing Index groups the drawings by category. The Annotated Index includes the drawing number, revision and title, but additionally, it presents a description of the content of each drawing. The drawing description details what is shown on the drawing, comments upon how well it reflects the condition aboard the SEACON, and in some cases, references another drawing.

**Tracor Marine**



3.0 SEQUENTIAL DRAWING INDEX

# Tracor Marine



## SEQUENTIAL DRAWING INDEX

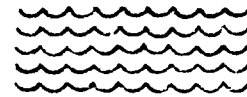
FOR

OCEAN CONSTRUCTION PLATFORM SEACON

Released: 30 September 1983

DRAWING NO.	REVISION # MO/YR	TITLE	MO/YR DRAWN	SIZE	# AP CDS
1736-100-1	B 11/82	General Arrangement, Compart- ments and Access, Main and 2nd Deck	7/82	30" x 72"	2
100-2	C 2/83	Inboard Profile, General Arrangement and Compartment and Access 01 level and Above	8/82	30" x 72"	2
100-3	B 4/83	List of Closures	5/75	C	6 Sheets 7 cards
100-4	B 5/83	Mast and Rigging	5/75	30" x 72"	2
100-5	C 11/82	Structural Modifications in Way of Center Well	5/75	30" x 108"	3
100-6	A 5/75	Fresh Water Tanks	3/75	30" x 96"	3
100-7	C 11/82	New 01 Level and Main Deckhouse Modifications	3/75	30" x 112"	3
100-8	A 6/75	New 02 & 03 Level and Deck- house	4/75	30" x 132"	3
100-9	B 5/83	Center Well Closure Doors and Cover	3/75	30" x 132"	3
100-10	B 6/75	Main Deck Bulwark	3/75	30" x 84"	2
100-11	A -	Structural Modifications and Foundations, Aft Propulsion Units	4/75	30" x 144"	3
100-12	B -	Structural Modifications & Foundations, Forward Pro- pulsion Unit	5/75	30" x 108"	3

# Tracor Marine

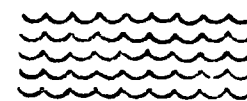


SEQUENTIAL DRAWING INDEX (Cont'd)

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DRAWING NO	REVISION		TITLE	MO/YR		# AP CDS
	#	MO/YR		DRAWN	SIZE	
100-13	B	11/82	Installation Details at Roll-up Door	6/75	30" x 66"	2
100-14	A	-	Structural Modification at Anti-roll Tanks	4/75	30" x 66"	2
100-15	A	5/75	Foundations, Sewage Treatment System	4/75	30" x 60"	1
100-16	A	-	Foundations, Diesel Generators and Switchboard	5/75	30" x 48"	1
100-18	C	7/82	Foundations, Deck Machinery and Equipment	6/75	30" x 96"	3
100-19	B	5/75	Modifications to Skegs	5/75	30" x 78"	2
100-20	A	6/75	Structural Modifications, Frames 20-34	5/75	30" x 84"	2
100-21	C	6/75	Miscellaneous Structural Bulkheads	4/75	30" x 120"	3
100-22	B	7/82	Docking Plan	6/75	30" x 68"	2
100-23	D	2/83	Outboard Profile	8/82	30" x 72"	2
100-24	-	-	Lines Drawing	7/83	30" x 120"	3
100-25	-	-	Shell Expansion and Water- tight Longitudinal Bulkhead	11/82	30" x 84"	2
100-26	-	-	Tank Capacity Plan	8/82	30" x 84"	2
100-27	-	-	Hydrostatic Curves	6/82	30" x 84"	2
100-28	-	-	Structural Arrangement	7/83	30" x 168"	3
1736-200-1	C	7/82	Arrangement of Machinery, Machinery Spaces	5/75	30" x 90"	2
200-2	D	6/82	Arrangement of Diesel Exhaust System	6/75	30" x 96"	2

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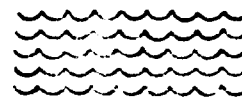


SEQUENTIAL DRAWING INDEX (Cont'd)

Page 3

DRAWING NO	REVISION		TITLE	MO/YR	SIZE	# AP CDS
	#	MO/YR		DRAWN		
200-3	B	6/82	Arrangement of Oil and Oily Water Drains	6/75	30" x 84"	2
1736-300-1	E	1/83	Electrical One Line Diagram	4/75	30" x 132"	3
300-2	B	6/83	Electrical Load Analysis - Preliminary	7/75	A	9 Sheets 1 card
300-4	E	6/83	Power System, 2nd Deck	-	30" x 120"	3
300-5	E	6/83	Power System, Main Deck	7/75	30" x 120"	3
300-6	D	6/83	Power System, Focsle, 01 Level and Above	7/75	30" x 144"	3
300-7	B	5/83	HVAC System Wiring, Deck Plan	8/75	30" x 132"	3 Sheets 8 cards
300-10	C	6/83	Lighting System, 2nd Deck	8/75	30" x 120"	3
300-11	C	6/83	Lighting System, Main Deck	4/75	30" x 132"	3
300-12	B	9/76	Lighting System, Focsle, 01 Level and Above	7/75	30" x 153"	3
300-13	A	6/75	Wireways Master Plan	5/75	30" x 156"	3 Sheets 7 cards
1736-400-1	B	6/75	Navigation Lights, Exterior and Interior Wiring Diagram	4/75	30" x 144"	4
400-2	C	6/83	Engine Alarms and Fire Detec- tion, Elementary Wiring Diagram	4/75	30" x 132"	3
400-3	C	6/83	General Alarm and Medical Alarm Systems, Elementary Wiring Diagram	3/75	30" x 72"	2
400-4	C	7/82	Sound Powered Telephone System, Elementary Wiring Diagram	3/75	30" x 72"	2

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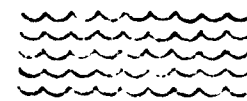
SEQUENTIAL DRAWING INDEX (Cont'd)

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DRAWING NO	REVISION		TITLE	MO/YR		#	AP	CDS
	#	MO/YR		DRAWN	SIZE			
400-5	B	8/83	Electronics External to Control Room, Block Diagram	6/75	30" x 156"	4		
400-7	C	6/83	Public Address and Intercom, Block Diagram	5/75	30" x 108"	3		
400-10	A	6/83	Gyro System, Block Diagram	6/75	30" x 60"	2		
400-11	C	9/76	Arrangement Pilot House	6/75	30" x 96"	2		
400-12	B	6/75	Flooding Alarm System, Elementary Wiring Diagram	5/75	30" x 84"	2		
1736-500-1	B	6/75	Arrangement, Hot and Cold Potable Water System	5/75	30" x 72"	2 Sheets 3 cards		
500-2	C	-	Sounding Tubes, Vents and Overflows - Modification	-	30" x 72"	2		
500-3	A	11/82	Arrangement, Tank Level Indicating System	8/75	30" x 84"	2 Sheets 4 cards		
500-4	A	-	Arrangement of Firemain	5/75	30" x 84"	2 Sheets 5 cards		
500-5	B	-	Bilge and Ballast System- Modification	5/75	30" x 96"	2		
500-6	B	-	Arrangement, Fuel Oil Fill and Transfer System	5/75	30" x 72"	2		
500-8	C	-	Arrangement, Plumbing and Deck Drains and Sewage Treatment	5/75	30" x 96"	7		
500-9	A	-	Compressed Air System Arrangement	5/75	30" x 84"	2		
500-10	C	-	Arrangement, Seawater Cooling System	6/75	30" x 60"	2		
500-11	-	-	Schematic, Hot and cold Potable Water System	5/82	30" x 48"	2		
500-12	-	-	Schematic, Firemain System	6/82	30" x 84"	2		



# Tracor Marine



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DRAWING NO	REVISION		TITLE	MO/YR	SIZE	# AP CDS
	#	MO/YR		DRAWN		
500-13	A	11/82	Schematic, Bilge and Ballast System	8/82	30" x 60"	2
500-14	A	11/82	Schematic, Fuel Oil Fill and Transfer System	5/82	30" x 72"	2
500-15	B	2/83	Schematic, Plumbing, Deck Drains and Sewage Treatment	6/82	30" x 96"	2
500-16	A	11/82	Schematic, Compressed Air System	5/82	30" x 84"	2
500-17	-	-	Schematic, Sea Water Cooling System	8/82	30" x 60"	2
500-18	-	-	Schematic, Sounding Tubes, Vents and Overflows	6/83	30" x 84"	2
500-19	-	-	Schematic, Tank Level Indicating System	6/83	30" x 84"	2
500-20	-	-	Schematic, Liebherr Crane Hydraulic System	7/83	30" x 60"	2
1736-510-1	-	-	HVAC Cooling and Heating Load Calculations	6/75	B	77 Sheets #42 Missing 10 cards
510-2	C	8/83	HVAC Diagram and Equipment List	6/75	30" x 132"	4
510-3	-	-	HVAC Arrangement, Fan Room	6/75	30" x 84"	2
510-4	B	6/83	HVAC Arrangement, Main Deck	6/75	30" x 144"	4
510-5	A	-	HVAC Arrangement, 01 Level and Above	6/75	30" x 132"	4
510-8	B	6/83	Ventilation Arrangement, 2nd Deck	6/75	30" x 156"	4

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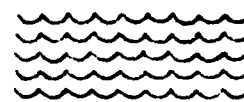


SEQUENTIAL DRAWING INDEX (Cont'd)

Page 6

DRAWING NO	REVISION		TITLE	MO/YR	SIZE	# AP CDS
	#	MO/YR		DRAWN		
1736-600-1	A	-	Rails and Stanchions	5/75	30" x 72"	2
600-2	A	-	Deck Covering and Insulation, Arrangement and Details	5/75	C	13 Sheets 14 cards
600-3	B	-	Damage Control Locker, Paint Locker and Battery Compartment, Arrangement and Details	6/75	30" x 60"	2
600-5	B	8/82	Workshops and Storerooms, Arrangement and Details	6/75	30" x 72"	2
600-6	A	5/83	Galley and Laundry, Arrangement and Details	6/75	30" x 90"	2
600-7	B	7/82	Anchor Handling and Stowage, Arrangement	6/75	30" x 60"	2
3017618	-	-	Operating Limits of 50/10T Liebherr Gantry	7/78	30" x 48"	1
3017625	-	-	Deep Sea Anchor Installation	-	30" x 54"	4 Sheets 4 cards
3017628	-	-	Removals for Deep Sea Anchor Installation	-	30" x 96"	2
3026143	B	6/83	Seacon Crane Installation, General Arrangements (Crane Stowed)	9/81	F	4 Sheets 4 cards
3026144	A	2/83	Seacon Crane Installation, Structural Arrangements, (General Plan, Elevation and Sections)	9/81	F	2 Sheets 2 cards
3026145	B	2/83	Seacon Crane Installation, Structural Fabrication Details (Column)	9/81	F	5 Sheets 5 cards

# Tracor Marine

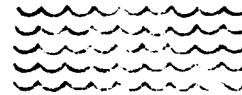


SEQUENTIAL DRAWING INDEX (Cont'd)

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DRAWING NO	REVISION		TITLE	MO/YR		SIZE	# AP CDS
	#	MO/YR		DRAWN			
3026146	A	4/83	Seacon Crane Installation, Structural Fabrication Details (Boom Pedestal)	9/81	F		1
3026147	A	2/83	Seacon Crane Installation, Structural Fabrication Details (Catwalk)	9/81	F		1
3026150	A	2/83	Seacon Crane Installation, Miscellaneous Details	9/81	F		1
3203-101	-	-	Fairleader Foundation and Anchor Fender	2/79	30" x 96"		2
N62477-123-01	-	-	ATNAV Transducer Trunk	9/81	C		2 Sheets 2 cards
131-01	-	-	Main Deck Doublers	9/81	C		1 card
163-01	-	-	Deep Sea Chest	10/81	B		4 Sheet 4 cards
264-01	A	11/81	Lube Oil Storage Tank	10/81	B		5 Sheets 5 cards
503-02	-	-	Seawater Cooling Pump Installation	11/81	B		6 Sheets 6 cards
541-01	-	-	Fuel Service Pump Instl	10/81	B		4 Sheets 4 cards
541-02	-	-	Fuel Transfer Lines	9/81	B		4 Sheets 4 cards
672-01	A	11/81	Conversion of Anti-roll Tanks To Storerooms	11/81	C		5 Sheets 5 cards
4550-A-001	-	-	Assembly, Bridge Console, Barge Promise	1/76	D		3 Sheets 3 cards

# Tracor Marine



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DRAWING NO	REVISION		TITLE	MO/YR		SIZE	# AP CDS
	#	MO/YR		DRAWN			
A-002	-	-	Assembly, Operations Center Console, Barge Promise	1/76		D	3 Sheets 3 cards
A-003	A	11/76	Enclosure Assembly, Control Panel Marine Alarm System	1/76		D	2 Sheets 2 cards
A-004	-	-	Remote Joystick Assembly, Barge Promise	1/76		D	2 Sheets 2 cards
E-003	A	3/76	Schematic, Bridge Console	1/76		D	2 Sheets 10 cards
E-004	A	3/76	Schematic Diagram, Operation Center Console	1/76		D	4 Sheets 4 cards
E-010	B	3/76	Interconnect Cables, Barge Promise	10/75		D	3 Sheets 3 cards
E-013	-	-	Suggested Steering System Cables			D	3 Sheets, #1 missing 3 cards
H-002	A	1/76	Hydraulic Power Unit Assembly, Barge Promise	12/75		D	2 Sheets 2 cards
H-003	-	-	Hydraulic Valve Unit, Barge Promise, Steering System	1/76		D	1
H-005	A	3/76	Hydraulic Actuator Assembly Barge Promise	1/76		D	1
0024321	-	-	Liebherr Gantry 50/10	8/76		E	1
4321-120	-	-	Slewing Column	2/77		E	1
-132	-	-	Slewing Column Upper Part	10/76		E	1
-191	-	-	Transverse Girder	8/76		E	2 Sheets 2 cards
-195	-	-	Gantry Girder	9/76		E	2 Sheets 2 cards

# Tracor Marine

SEQUENTIAL DRAWING INDEX (Cont'd)

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DRAWING NO	REVISION		TITLE	MO/YR		SIZE	# AP CDS
	#	MO/YR		DRAWN			
-971	-	-	Hydraulic System			E	2 Sheets #1 Missing 1 card
H78/2	-	-	Hydraulikschema	9/76		D	1
40 B 1301	A	12/82	Searchlight Mount - Flying Bridge and 02 Level	2/81		B	1
40 D 1501	A	-	Deck Layout - Seacon	6/80		D	1
40 R 2200	-	-	Lines Drawing with Modifi- cations and Additions, Skegs, Center Well, Prop Units	10/78	30" x 120"		2
40 R 3000	-	-	Arrangement, Seachests and Sacrificial Anodes	2/83	30" x 72"		2
40 D 3300	B	8/80	Structural Modifications Incident to and Installation of 100 Ton Padeyes	8/80		D	2 Sheets 2 cards
40 C 3601	A	2/83	Strike Plate Installation - Seacon	2/83		C	1
40 C 3701	-	-	Hatch for Crane Cab, Seacon- NAVFAC	2/83		C	1
40 D 3800	-	-	Adaptor Plate, Raytheon Transducer - Seacon	3/82		D	1
40 D 4813	-	-	U-Frame Details and Instal- lation	3/79		D	2 Sheets 2 cards
40 D 4814	-	-	U-Frame Base Plates	6/82		D	1
40 C 4815	-	-	Location of U-Frame Baseplates	6/82		C	1
40 D 4816	B	11/82	25 Ton U-Frame, Details and Weldment	11/82		D	3 Sheets 3 cards

# Tracor Marine

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REVISION		TITLE	MO/YR	SIZE	# AP CDS
DRAWING NO	# MO/YR		DRAWN		
88594-02229-001-	-	Midships A-Frame for Barge Seacon	5/76	E	1
88594-02229-002-	-	A-Frame Weldment	5/76	E	1
88594-02229-003-	-	A-Frame Weldment, Alternate Views and Details	5/76	E	1
88594-02229-004-	-	Support Leg	5/76	D	1
88594-02229-005-	-	Securing Pin	5/76	C	1
88594-02229-006-	-	Removable Rail	5/76	C	1
88594-4696843	-	Installation of A-Frames, Midships and Stern	6/76	H	2 Sheets, #3 & #4 Missing 2 cards
88594-02243-001		Stern A-Frame for Barge Seacon	5/76	E	1
88594-02243-002		A-Frame Weldment	5/76	E	1
88594-02243-003		A-Frame Weldment, Alternate Views and Details	5/76	E	1
88594-02243-004		Support Leg, Right Hand and Left Hand	5/76	D	1
88594-02243-005		Securing Pin	5/76	C	1
88594-02243-006		Leg Brace	5/76	D	1
88594-02243-007		Grating Support	5/76	D	1

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4.0 ANNOTATED DRAWING INDEX

# Tracor Marine



## ANNOTATED DRAWING INDEX FOR OCEAN CONSTRUCTION PLATFORM SEACON Released: 30 September 1983

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**I.0 VESSEL ARRANGEMENTS**

**A. General Arrangements and Plans**

**1736-100-1 B General Arrangement, Compartments and Access,  
Main and 2nd Deck**

This drawing presents the information found on both a general arrangement and compartment and access drawing. Plan views of the main and 2nd deck present the arrangement of the spaces, details of the openings and some structure. This drawing has been updated and reflects the condition of the vessel as of April 1983.

**1736-100-2 C Inboard Profile, General Arrangement and  
C&A - 01 Level and Above**

The Inboard Profile presents a longitudinal view of the vessel along its centerline. Plan views at the 01, 02 and Top of House levels show arrangement of spaces, details of the spaces and some structure. This drawing has been updated and reflects the condition of the vessel as of April 1983.

**1736-100-23 D Outboard Profile**

Presents a typical outboard profile above the level of the main deck. Below the main deck the inboard arrangement is presented in addition to the outboard details. This drawing has been updated and reflects the condition of the vessel as of April 1983.

## Tracor Marine



### A. General Arrangements and Plans (Cont'd)

#### 1736-100-26 Tank Capacity Plan

Presents a plan view at the tank top level and a centerline elevation which show the location of the vessel's tanks. Tables are included which provide data on tank location, KG, LCG and volume. This drawing has been updated and reflects the condition of the vessel as of April 1983.

#### 1736-100-22 B Docking Plan

This drawing is a typical docking plan presenting the profile, bottom plan and midship section. Also included are the locations of the keel and bilge blocks, sea chests, and drains. This drawing has been updated and reflects the condition of the vessel as of April 1983.

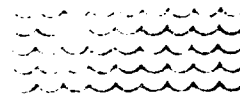
#### 40D1501 A Deck Layout - SEACON

This drawing presents a plan view of the main deck from the enclosed work area to the stern. This drawing is useful in preparing an arrangement of the equipment required for a project. It depicts the centerwell, 2 aft hatches, stern roller, Verne winch foundation and other interferences.

#### 40R3000 Arrangement, Seachests and Sacrificial Anodes

This drawing presents the location of the seachests and sacrificial anodes. It was based upon a diver survey; it generally reflects the condition of the vessel.

## Tracor Marine



### A. General Arrangements and Plans (Cont'd)

#### 1736-100-27      Hydrostatic Curves

These curves present the vessel's hydrostatic characteristics over a range of drafts. This drawing was based upon the "Trim and Stability Study" conducted by J.J. Henry in 1975.

#### 1736-500-18      Schematic, Sounding, Tubes, Vents and Overflows

This drawing reflects the as-built condition of the vessel as of April 1983. A plan view of the main deck presents the location of all vents and sounding tubes for the double bottom, wing and deep tanks. Elevations and sections illustrate the typical arrangement of the sounding tubes within the tanks.

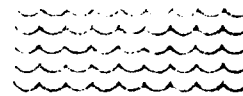
#### 1736-500-2 C      Sounding Tubes, Vents and Overflows - Modification

This drawing has not been shipchecked nor updated and consequently the system presented is not correct in some respects. This drawing is included in the drawing set because it includes a "Materials List" as originally specified. For an accurate system drawing, reference the schematic 1736-500-18.

#### 1736-100-24      Lines Drawing

This drawing presents the body plan, profile plan and half-breadth plan which define the shape of the SEACON. A table of offsets was not available when preparing

## Tracor Marine



### A. General Arrangements and Plans (Cont'd)

this lines drawing. The body plan was traced from a lines drawing prepared by Giannotti and Associates 10/3/78. The waterlines and buttocks were developed by fairing the body plan.

### B. Machinery Arrangements

#### 1736-200-1 C Arrangement of Machinery and Machinery Spaces

This is a typical machinery arrangement drawing and shows a plan view at the tank top level of both the forward and after machinery spaces. This drawing has been updated and reflects the condition of the vessel as of April 1983.

#### 1736-200-2 D Arrangement Diesel Exhaust System

This arrangement drawing presents a plan view of the diesel exhaust system at the 2nd deck level. Some piping details are presented and a list of materials is included. This drawing has been updated and reflects the arrangement of the diesel exhaust system as of April 1983.



C. Storerooms and Work Area Arrangements

1736-600-3 B Damage Control, and Paint Lockers, Battery  
Compartment, Arrangement and Details

A plan view at the main deck and several sections and elevations present the arrangement of the compartments. Structural information, construction details, and a list of materials are included. This drawing has been updated and reflects the condition of the vessel as of April 1983.

1736-600-5 B Workshops and Storerooms, Arrangement and  
Details

The following arrangements are presented on this drawing:

- (1) Dry Stores Compartment (frames 9-12)
- (2) Machine Shop
- (3) Stores (P&S) and Cable Tank (frames 20-23)
- (4) 2nd Deck Stores (ex flume tanks)

Plan views, sections and elevations are also provided. The various views present structural and some construction details. This drawing has been updated and reflects the condition of the vessel as of April 1983.

1736-600-6 A Galley and Laundry, Arrangements and Details

A plan view at the main deck level and transverse sections at frames 7 and 9 present the arrangement of

## Tracor Marine

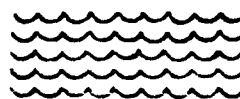


### C. Storerooms and Work Area Arrangements (cont.)

the galley and the messroom. In addition to the arrangement of equipment, the drawings show the ship's structure, ventilation system, thermal insulation and sheet metal lining in way of the spaces. The arrangement and details of the laundry room clean linen locker and soiled locker are shown via a plan view at the main deck level. A list of equipment is included. This drawing has not been updated and some errors do exist in equipment type and location.

#### 1736-400-11 C Arrangement Pilot House

A plan view at the 02 level reflects the location of the equipment in the pilot house. Elevations as well as an equipment description are included. This drawing has not been recently shipchecked, but generally reflects the "as-built" condition of the vessel.



D. Miscellaneous Arrangements and Plans

1736-100-3 B List of Closures

A listing of steel doors, scuttles and manholes is presented with a description of the closure and its location. A list of materials, general notes and a detail drawing of a typical door frame are included. The list of closures has been updated and reflects the as-built condition of the vessel as of April 1983.

1736-100-4 B Mast and Rigging

Contains plan views, elevations and construction details depicting the location and configuration of the jackstaff and mast. This drawing has been updated and reflects the as-built condition of the vessel as of April 1983.

1736-100-10 B Main Deck Bulwark

A plan view, elevation and typical sections of the main deck bulwark are drawn. Additionally both a plan view and an elevation of the overflow tanks are included. This drawing includes details of the framing, connections, overflow tanks and miscellaneous deck details. This drawing has not been recently updated, but generally reflects the "as-built" condition of the vessel.



D. Miscellaneous Arrangements and Plans (cont.)

1736-600-1 A Rails and Stanchions

Plan views of the 01, 02 and House Top levels present the layout of the rails and stanchions which surround the house. In addition, elevations and plans are included of the miscellaneous rails and stanchions throughout the ship. Construction details of the stanchions and deck supports are included. This drawing has not been recently updated, but it generally reflects the "as-built" condition of the vessel.

1736-600-2 A Deck Covering and Insulation, Arrangement and Details

This drawing contains details and arrangements of the deck covering and details on the insulation. A list of material includes information on the material type, mil spec and size. The deck covering schedule provides a list of the material used and the applicable amount for each space. Arrangement drawings of the 2nd deck, main deck, 01 and 02 levels outline the structural arrangements of each level and include details on which bulkheads are insulated, the type of insulation and the wrapper and liner. This drawing has not been recently updated, but it generally reflects the "as-built" condition of the vessel.

1736-600-7 B Anchor Handling and Stowage Arrangement

This drawing provides the arrangement of the anchor handling and stowage equipment both forward and aft.



## Tracor Marine



### D. Miscellaneous Arrangements and Plans (cont.)

An outboard profile and a plan view illustrate the arrangement of the forward anchors, the anchor guard, the anchor stowage frame, the fairleader and the winch assembly. A plan view at the main deck provides the arrangement of the anchor stowage frame and fairleader pedestal and an elevation of the fairleader pedestal. This drawing has been updated and reflects the as-built condition of the vessel as of April 1983.



## II.O STRUCTURAL

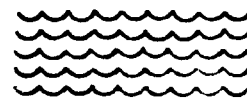
### A. General Description

#### 1736-100-28      Structural Arrangement

The structural arrangement of the Seacon is presented by a centerline elevation, a plan view just above the tank top and sections at frames 4, 7, 11, 17 and 31. These views depict the location of bulkheads, stiffeners and other structural members and detail the size of the scantlings. This drawing reflects the condition of the vessel as of April 1983.

#### 1736-100-25      Shell Expansion and W.T. Longitudinal Bulkhead

An expansion of the port sideshell looking outboard and a profile of the longitudinal bulkhead 20 feet outboard the centerline are drawn. The shell expansion presents the framing and all structural members in way of the side shell. Information on plate thickness, size of longitudinals, location and thickness of structural doublers and watertight integrity of the bulkheads is included. The longitudinal bulkhead profile presents the location of the longitudinals and transverse frames in way of the wing tank bulkhead. Longitudinal frame size and plate thicknesses are included. This drawing reflects the as-built condition of the vessel as of April 1983.



**B. Structural Modifications - Hull**

**1736 100-5 C    Structural Mods In Way of Center Well**

This is a construction drawing detailing the modifications required to install the center well. Included are plan views of the bottom shell, tank top and main deck, transverse sections at frames 15, 15-1/2, 18-1/2, and longitudinal sections in way of the center well. Construction details are also provided. This drawing has not been recently updated, but the information provided is generally correct.

**1736-100-18 C    Foundations - Deck Machinery and Equipment**

This is a construction drawing depicting the location of the deck machinery and their equipment. A plan view of the focsle deck (frames 0-12) portrays the arrangement of the winch platforms and assembly, fairleaders, the capstan and windlass, and the forward chocks and bitts. The main deck plan (frame 18-34) depicts the layout of a centerline winch foundation, two 100-ton padeyes, the gantry crane track and backing structure, U-frame doubler plates, and fairleader pedestals. An additional plan view of the main deck and an elevation of frames 27-34, reveals the structural members in way of the stern roller. Several sections are drawn which detail the additions to the structure supporting the gantry crane and an elevation of the bow describes the foundation beneath the capstan. This drawing has been updated and reflects the as-built condition of the vessel as of April 1983.



B. Structural Modifications - Hull (cont.)

1736-100-11 A Structural Modifications and Foundations, Aft  
Propulsion Units

This construction drawing presents the modifications necessary to install the two aft propulsion units. Plan views provide data on the foundations for the propulsion unit and its accompanying diesel engine. Elevations in way of frames 23-27 at the centerline, and 5 and 10 feet off the centerline, show the bulkhead modifications necessary. Additional pertinent sections and details are included. This drawing has not been recently updated, but it generally reflects the as-built conditions of the vessel.

1736-100-12 B Structural Modifications and Foundations,  
Forward Propulsion Units

This construction drawing outlines the structural modifications required for the installation of the forward propulsion unit. Structural additions and removals in way of frames 7-11 are detailed by a plan view at the tank top level elevations of the longitudinal bulkheads and by sections at the frames. This drawing has not been recently updated, but generally reflects the as-built condition of the vessel.



B. Structural Modifications - Hull (cont.)

1736-100-9 B Center Well Closure Doors and Cover

This drawing presents a plan view at the main deck and depicts the arrangement of the center well covers and a plan view at the shell detailing the arrangement of the lower doors. Additional elevations and plans are presented which detail the construction of the doors and the locking mechanism. This drawing reflects the as-built condition of the vessel as of April 1983.

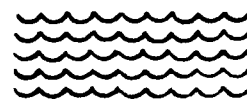
1736-100-20 A Structural Modifications Frame 20 - 34

This is a construction drawing detailing the modifications to the structure. Plan views, elevations, sections and details are included. The plan views present the main and 2nd deck (frames 20-34) and a 5'6" flat (frame 22-23). The elevations present modifications to the longitudinal bulkhead and installation details for stanchions. Sections of the bulkheads at frames 23 and 31 and of the double bottom in way of frame 22 are included. Construction details provide views of stanchions, intercostal stiffeners and access to spaces. This drawing has not been recently updated but generally reflects the as-built condition of the vessel.

1736-100-14 A Structural Modification at Anti-Roll Tanks

This is a construction drawing detailing the conversions required at the anti-roll tanks. A plan at the 2nd deck, sections and elevations in way of frames

## Tracor Marine



### B. Structural Modifications - Hull (cont.)

15-1/2 through 18-1/2 provide the structural data. Since the anti-roll tanks have been converted to storerooms, this drawing does not present the "as-built" vessel condition. However, the structural information presented is generally accurate and useful.

#### 1736-100-19 B Modification to Skegs

This is a construction drawing detailing the modifications to the skegs as required to install the aft propulsion units. An elevation of both the inboard and outboard side of the skeg, a plan view of the bottom, and sections at frames 24, 31 and 32 illustrate the modifications. Additional detail drawings provide construction information. Also the modification to the ship's lines are presented. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.

#### 40D3300 B      Structural Modifications Incident to and Installation of 100 Ton Padeyes

This is a construction drawing detailing the modifications to the ship structure as required to install the 100 ton padeyes on the main deck. Plan views, sections and details depict the location of the padeyes and the necessary additions to the ship structure. This drawing has not been updated, but it generally reflects the as-built condition of the vessel.

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### C. Structural Modifications - House

#### 1736-100-7 C New 01 Level and Main Deck House Mods

This is a construction drawing depicting the modifications to the main deck and to the 01 level of the house. Plan views of the 01 and main deck levels, transverse sections of frames 14-17 and miscellaneous details of longitudinal framing and bulkhead stiffeners present the basic structural arrangement of the house and detail the modifications made. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.

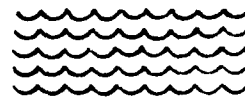
#### 1736-100-8 A New 02 and 03 Levels and Deckhouse

This is a construction drawing of the upper levels of the house. Plan views of the 01 and 02 levels, elevations of the longitudinal bulkhead, longitudinal girder and typical longitudinal stiffener (frames 11-15) and sections at frames 11-16 present the structural details and modifications. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.

#### 1736-100-13 B Installation Details at Roll-up Door

This is a construction drawing of the track for the roll-up door for the enclosed work area. A plan view and an elevation of the main deck level (frames 16-17) and miscellaneous details present the information on

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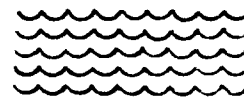
### C. Structural Modifications - House (cont.)

the plate thickness, motor size and dimensions pertinent to the installation of the roll-up door. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.

#### 1736-100-21 C Miscellaneous Structural Bulkheads

This is a construction drawing outlining the modifications to various bulkheads within the superstructure. The modifications include the addition of new bulkheads, hatchways, doors and stiffeners, the deletion of bulkheads and the blanking of accesses. Structural details and stiffener arrangements are included. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.





D. Foundations

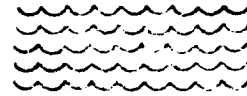
1736-100-15 A Foundations, Sewage Treatment System

This is a construction drawing of the foundations supporting the sewage treatment plant. A plan view in way of frames 11-13 at the main deck level shows the structural framing under the tank top and provides a depiction of the foundations for the holding tank, pump assembly and liquid waste incinerator. Additional detail drawings of the three foundations are also included. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.

1736-100-16 A Foundations, Diesel Generators and Switchboard

This is a construction drawing of the foundations supporting the two 250 KW generator sets and the electrical switchboard in the Generator Room. A plan view at the second deck level locates the foundations, reveals how the foundations tie into the existing ship structure and presents welding and bolt hole information. Several details provide construction information and identify the vibration isolators. This drawing has not been recently updated, but it generally reflects the as-built condition of the vessel.

## Tracor Marine



### D. Foundations - (cont.)

#### 3203-101 Fairleader Foundation and Anchor Fender

This construction drawing details the aft fairleader foundation and anchor fender. It contains plan views and sections necessary to perform the installation. It has never been updated, but it generally reflects the condition of the vessel.



**III. ELECTRICAL**

**A. Power System**

**1736-300-1 E    Electrical One Line Diagram**

The one line diagram details the electrical distribution of the diesel generators or shore power connection through the main bus to the individual power panels and from the panel out to the loads. Included is information on phase and voltage requirements, cable designations, breaker settings and horsepower. This drawing reflects the system aboard the Seacon as of April 1983.

**1736-300-4 E    Power System, 2nd Deck**

This drawing presents a plan view of the second deck. The view presents the arrangement of the 2nd deck power panels and their loads. A bill of materials includes information on the switches, controllers and miscellaneous electrical components which comprise the system. This drawing was recently updated and reflects the system on board as of April 1983.

**1736-300-5 E    Power System, Main Deck**

This drawing presents a plan view of the main deck. The view presents the arrangement of the main deck power panels and their loads. A bill of material includes information on the switches, controllers, cables and other components which comprise the system.

## Tracor Marine



### A. Power System - (cont.)

This drawing reflects the system on the vessel as of April 1983.

#### 1736-300-6 D Power System, Focsle, 01 Level and Above

This drawing presents a plan view of the various levels showing the arrangement of the power panels and their loads. A bill of material includes information on the switches, controllers, cables and other components which comprise the system. This drawing reflects the system on the vessel as of April 1983.

#### 1736-300-2 B Electrical Load Analysis-Preliminary

The electrical load analysis is a calculation performed to establish the level of power generation which is required. The tabular sheets include a description of each item, the number of each particular item, its Unit HP, Unit KW, load factors and connected KW for at sea, maneuvering and port conditions. This calculation has been recently updated to reflect the loads aboard the vessel as of April 1983.

#### 1736-300-13 A Wireways, Master Plan

This drawing provides plan views at each level of the wiring trunks. This drawing has not been recently updated but it generally reflects the "as built" condition of the vessel.



**B. Lighting System**

**1736-300-10-C Lighting System, 2nd Deck**

This drawing presents a plan view at the second deck level of the lighting system panels and their loads. A bill of material includes information on the switches, type of light, cable designations and other components which comprise the system. This drawing reflects the system on the vessel as of April 1983.

**1736-300-11-C Lighting System, Main Deck**

This drawing presents a plan view at the main deck level of the lighting system panels and their loads. A bill of material includes information on the switches, type of light, cable designations and other components which comprise the system. This drawing reflects the system on the vessel as of April 1983.

**1736-300-12 B Lighting System, Focsle, 01 Level and Above**

This drawing presents a plan view of the various levels showing lighting system panels and their loads. A bill of material includes information on the switches, type of light, cable designations and other components which comprise the system. This drawing reflects the system on the vessel as of April 1983.

## Tracor Marine



### B. Lighting System (Cont'd)

40B1301                      Searchlight Mount - Flying Bridge & 02 Level

This construction drawing presents the details necessary to assemble the searchlight mount. An elevation exhibits the arrangement and a set of notes detail the construction technique. This drawing has not been updated but generally reflects the condition of the vessel as of May 1983.

### C. Alarm System

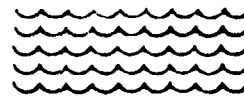
1736-400-2-C      Engine Alarms and Fire Detection-Elementary  
Wiring Diagram

This drawing is a system schematic of both the Fire Detection and the Engine Alarms Systems throughout the ship. The Fire Detection system schematic presents the system on board as of May 1983. The engine alarm system for the after propulsion diesels has been modified to reflect the change from four GM6V71's engines to two GM12V71's. The alarms for the generator sets and the forward propulsion diesel have not been recently updated and consequently the circuits presented are not correct in some respects.

1736-400-3 C      General Alarm and Medical Alarm Systems -  
Elementary Wiring Diagram

This drawing is a wiring schematic of the General Alarm System throughout the vessel. In addition, a schematic for the security alarm system for the hospital medical locker is presented. This drawing reflects the systems on board as of May 1983.

## Tracor Marine



### C. Alarm System (Cont'd)

#### 1736-400-12 B Flooding Alarm System, Elementary Wiring Diagram

This drawing is a wiring schematic of the Flooding Alarm System throughout the vessel. It illustrates the float switches located in the forward propulsion room, generator room, pump room, 2nd deck storeroom and aft propulsion room and the alarm panel located in the chart room. This drawing reflects the system aboard as of April 1983.



D. Electronic, Communications, Navigation Systems

1736-400-1 B Navigation Lights E & IWD

This drawing presents a wiring schematic of the navigation lighting system. The cable designations and the location of the wireways is also included. This system has not been recently shipchecked, but generally reflects the as-built condition of the vessel.

1736-400-4 C Sound Powered Telephone System-Elementary  
Wiring Diagram

This wiring schematic illustrates the location of the telephones throughout the entire vessel. A wiring table and station directory are included. This drawing has been updated and reflects the system on board as of April 1983.

1736-400-5 B Electronics External to the Control Room-  
Block Diagram

This drawing is a block diagram of the primary navigational and communication electronics throughout the vessel including the "project" electronics normally in place in the control room. The entire systems are presented including through hull transducers, and antennas. This drawing reflects the electronics on board as of May 1983.



## Tracor Marine



### D Electronic, Communications, Navigation Systems (Cont'd)

#### 40D3800      Adaptor Plate, Raytheon Transducer - SEACON

This drawing provides the details necessary to construct the adaptor plate for the Raytheon Transducer. Notes provide instructions as to its location and proper fitting. This drawing has not been updated, but generally reflects the sytem on board as of May 1983.

#### 1736-400-7 C      Public Address and Intercom Block Diagram

This drawing is a block logic diagram of both the Public Address system and the Intercom system. This drawing has been extensively updated to reflect the system on board as of May 1983.

#### 1736-400-10 A      Gyro System Block Diagram

This drawing is a block logic diagram of the Gyro Compass System located in the Control Room and the various repeaters located throughout the vessel. The drawing has been updated to reflect the system on board as of May 1983.



IV. PIPING

A. Potable Water

1736-500-11 Schematic, Hot and Cold Potable Water System

This drawing is a system schematic superimposed on plan views of the vessel providing an approximate arrangement of the potable water system throughout the ship. Valve type and nominal pipe diameters have been identified. Details of the hot water heater and the hydro pneumatic tank are included. This drawing reflects the system on board as of May 1982.

1736-500-1 B Arrangement Hot and Cold Potable Water System

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "Materials List" as originally specified. For an accurate system drawing, reference the schematic 1736-500-11.

1736-100-6 A Fresh Water Tanks

This is a construction drawing presenting sections and plans which illustrate the construction of the tanks. Additional views provide details of the welding and of the tank foundations. This drawing has not been updated but it generally reflects the "as built" condition of the vessel.

## Tracor Marine



### B. Tank Level Indicating

#### 1736-500-19      Schematic, Tank Level Indicating System

This drawing is a system schematic superimposed on a plan view of the vessel providing an approximate arrangement of the entire tank level indicating system. Included are details of the gauge panel and of a typical air bell. This drawing reflects the system on board the SEACON as of April 1983.

#### 1736-500-3 A      Arrangement, Tank Level Indicating System

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Materials" as originally specified. For an accurate system drawing, reference the schematic 1736-500-19.

## Tracor Marine



### C. Fire Mains

#### 1736-500-12      Schematic, Firemain System

This drawing is a system schematic superimposed on plan views of the vessel providing an approximate arrangement of the firemain system throughout the ship. Valve type and nominal pipe size have been identified. This drawing reflects the system on board the SEACON as of April 1983.

#### 1736-500-4 A      Arrangement of Firemains

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Materials" as originally specified. For an accurate system drawing reference the schematic 1736-500-12.

## Tracor Marine



### D. Bilge and Ballast

#### 1736-500-13 A Schematic, Bilge and Ballast System

This drawing is a system schematic superimposed on plan views of the vessel providing an approximate arrangement of the entire bilge and ballast system. Two additional elevations are included to illustrate the priming system. Nominal pipe size and valve type are identified. This drawing reflects the system on board the SEACON as of April 1983.

#### 1736-500-5 B Bilge and Ballast System-Modification

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Materials" as originally specified. For an accurate system drawing, reference the schematic 1736-500-13.

## Tracor Marine



### E. Seawater Cooling

#### 1736-500-17 Schematic, Seawater Cooling System

This drawing is a system schematic superimposed on a plan view of the vessel providing an approximate arrangement of the entire seawater cooling system. Valve type and nominal pipe size have been identified. This drawing reflects the system on board the SEACON as of April 1983.

#### 1736-500-10 C Arrangement, Seawater Cooling System

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Materials" as originally specified. For an accurate system drawing, reference the schematic 1736-500-17.

## Tracor Marine



### F. Fuel Oil

#### 1736-500-14 A Schematic, Fuel Oil Fill and Transfer System

This system schematic is superimposed on plan views of the vessel providing an approximate arrangement of the entire fuel oil system. Detail views of typical tank fill and suction lines and of the vessel's fill line are included. Valve type and nominal pipe size are identified. This drawing reflects the fuel oil system on board the SEACON as of April 1983.

#### 1736-500-6 B Arrangement, Fuel Oil Fill and Transfer System

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Materials" as originally specified. For an accurate system drawing, reference the schematic 1736-500-14.

#### 1736-200-3 B Arrangement of Oil and Oily Water Drains

The arrangement of the oil and oily water drain system is presented by a plan view at the second deck level. The system shows the lube oil tanks, engines, pump, sludge tank and the pipelines and valves which connect the above items in both the forward and aft engine rooms. A list of material is included. This drawing has been updated and reflects the as-built condition of the vessel as of April 1983.

## Tracor Marine



### G. Compressed Air

#### 1736-500-16-A Schematic, Compressed Air System

This system schematic is superimposed on a plan view of the vessel providing an approximate arrangement of the entire compressed air system. Nominal pipe size and valve type are identified. This drawing reflects the system on board the SEACON as of April 1983.

#### 1736-500-9 A Compressed Air System Arrangement

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Materials" as originally specified. For an accurate system drawing, reference the schematic 1736-500-16.



## Tracor Marine



### H. Sewage

#### 1736-500-15 B Schematic, Plumbing, Deck Drains and Sewage Treatment

This system schematic is superimposed over plan views of the vessel presenting an approximate arrangement of the sewage system (both gray and black water) throughout the ship. An elevation of the sewage treatment plant is also included. Nominal pipe size and valve type are identified. This drawing reflects the system on board the SEACON as of April 1983.

#### 1736-500-8 C Arrangement, Plumbing and Deck Drains and Sewage Treatment

This construction drawing has not been recently updated and consequently the system presented is not correct in some respects. This drawing is maintained in the drawing set because it includes a "List of Material" as originally specified. For an accurate system drawing, reference the schematic 1736-500-15.

**V. HVAC****A. HVAC-Arrangements****1736-510-3      HVAC Arrangement, Fan Room**

A plan view, section and elevation depict the arrangement of the equipment and the ducting located within the fan room. Flow rates are indicated and some structural details are included. A list of material contains information on the supply fan cooling coil, filters and heater located in the fan room. This drawing has never been updated but it generally reflects the "as built" condition of the vessel.

**1736-510-4 B      HVAC Arrangement, Main Deck**

The arrangement of the HVAC system of the main deck consists of a plan view of the ducting runs, reheaters, fans, diffusers, and infrared heaters. The theoretical flow rates are noted and some structural details are included. Several elevations further define the system. A list of material is included. This drawing has been updated to reflect the HVAC system modifications made during the 1983 overhaul and otherwise it generally reflects the "as built" condition of the SEACON.

**1736-510-A      HVAC Arrangement 01 Level and Above**

Plan views of the 01 and 02 level depict the HVAC arrangement on these levels. The equipment is outlined, the duct runs shown and the flow rates noted.



A. HVAC-Arrangements (cont.)

Miscellaneous sections and elevations and a list of material are included. This drawing has not been recently updated but it generally reflects the "as built" condition of the SEACON.

1736 510-8 B Ventilation Arrangement, 2nd Deck

A plan view of the second deck level and miscellaneous sections present the ventilation arrangement. Ducting runs are shown; the equipment is located and described in the list of material; and flow rates are noted. This drawing has been updated to reflect vessel modifications made during the 1982 overhaul and otherwise it generally reflects the "as built" condition of the SEACON.

## Tracor Marine



### B. HVAC-Electrical

#### 1736-300-7 B HVAC System Wiring, Deck Plan

This drawing presents plan views at each level showing the arrangement of the HVAC power panels and their loads. A bill of materials is included and contains information on the electrical components in the HVAC system including cable type. This drawing has been updated to reflect vessel modifications made during the 1982 overhaul. Otherwise, this drawing generally reflects the "as built" condition of the SEACON.



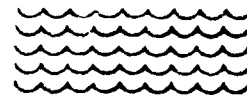
C. Schematics and Calculations

1736-510-1 HVAC Cooling and Heating Load Calculations

The HVAC load calculation establishes the heating, ventilation, and cooling requirements of the system. These calculations have not been updated and consequently they are not correct in some respects. However they generally reflect the "as built" HVAC system loads for the SEACON.

1736-510-2 C HVAC Diagram and Equipment List

This HVAC system schematic is superimposed on plan views of the vessel providing a concise HVAC system depiction for the entire vessel. A detailed equipment listing is included. This drawing has been updated to reflect HVAC modifications made during the 1982 overhaul. Otherwise, the drawing generally reflects the "as built" condition of SEACON.



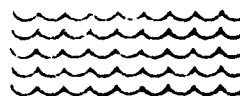
**VI. VENDOR DRAWINGS**

**A. Pedestal Crane Installation**

3026143 B Seacon Crane Installation - General Arrangements  
3026144 A Seacon Crane Installation - Structural  
Arrangements  
3026145 B Seacon Crane Installation - Structural Fabri-  
cation Details  
3026146 A Seacon Crane Installation - Structural Fabri-  
cation Details  
3026147 A Seacon Crane Installation - Structural Fabri-  
cation Details  
3026150 A Seacon Crane Installation - Miscellaneous Details  
40C3601 A Strike Plate Installation - Seacon  
40C3701 Hatch for Crane Cab, Seacon - NAVFAC

These construction drawings present general arrangements, structural arrangements, fabrication details and miscellaneous details necessary to fabricate the crane column and install the pedestal crane, column and catwalk. These drawings were updated and reflect the as-built condition of the pedestal crane installation.

## Tracor Marine



### B. Deep Sea Anchor Installation

3017625 Deep Sea Anchor Installation

3017628 Removals for Deep Sea Anchor Installation

These construction drawings detail the modifications necessary to install the deep sea anchor system. This includes the removal of hawse pipes and capstans, and the additions necessitated by the new winches, fairleader and anchors. These drawings were never updated but generally reflect the as-built condition of the SEACON.

## Tracor Marine



### C. Liebherr Gantry Crane

1736-500-20      Schematic, Liebherr Crane Hydraulic System  
H78/2              Hydraulikshema

These drawings present a schematic of the Liebherr Crane's hydraulic system. 1736-500-20 is an English version of H78/2. It has been reviewed and translated by shipboard personnel.

3017618            Operating Limits of 50/10T Liebherr Gantry

This drawing presents the possible positions for lifting with the gantry mounted Liebherr crane. This information is provided for operation in both the 50t and 10t modes.

0024321      Liebherr Gantry 50/10  
4321-120      Slewing Column  
4321-132      Slewing Column Upper Part  
4321-191      Transverse Girder  
4321-195      Gantry Girder  
4321-97.1      Hydraulic System

These drawings present details of the Liebherr crane. They do not encompass the entire system nor have they ever been shipchecked but they generally reflect the system aboard the SEACON.



## Tracor Marine



### D. Steering System

4550-A-001	Assembly, Bridge Console Barge Promise
A-002	Assembly, Operations Center Console, Barge Promise
A-003 A	Enclosure Assembly, Control Panel Marine Alarm System
A-004	Remote Joystick Assembly, Barge Promise
E-003 A	Schematic, Bridge Console
E-004 A	Schematic Diagram, Operation Center Console
E-010 B	Interconnect Cables, Barge Promise
E-013	Suggested Steering System Cables
H-002 A	Hydraulic Power Unit Assembly, Barge Promise
H-003	Hydraulic Valve Unit, Barge Promise, Steering System
H-005 A	Hydraulic Actuator Assembly, Barge Promise

These drawings of the steering system were prepared by the Tano Corporation for the modification of the Barge Promise into the OCP SEACON.

### E. U-Frames

40D4813	U-Frame Details and Installation
40D4814	U-Frame Base Plates - Seacon
40C4815	Location of U-Frame Base Plates

These drawings provide views necessary to fabricate and properly locate the 10 foot wide, 15 ton U-Frame and its base plates. Paint details and a list of materials is included. These drawings have not been updated, but generally reflect the condition of the base plates.

## Tracor Marine



### E. U-Frames (Cont'd)

40D4816 B      25 Ton U-Frame Details and Weldment

This is a construction drawing of the 25 Ton U-Frame. Plan views and elevations present the structural arrangement of the 20 foot wide U-Frame and details of the padeyes; base plates and ladders are included. A paint schedule and list of material are presented. These drawings have not been updated, but generally reflect the installation of U-Frame aboard the Seacon.

88594-02229-001	Midships A-Frame for Barge SEACON
88594-02229-002	A-Frame Weldment
88594-02229-003	A-Frame Weldment, Alternate Views and Details
88594-02229-004	Support Leg
88594-02229-005	Securing Pin
88594-02229-006	Removable Rail
88594-4696843	Installation of A-Frames, Midships and Stern
88594-02243-001	A-Frame Weldment Alternate Views and Details
88594-02243-002	A-Frame Weldment
88594-02243-003	A-Frame Weldment, Alternate Views and Details
88594-02243-004	Support Leg, Right Hand and Left Hand
88594-02243-005	Securing Pin
88594-02243-006	Leg Brace
88594-02243-007	Grating Support

These drawings depict the A-frames which mount aboard the SEACON at amidships and stern locations. The drawings include general arrangements, construction details and installation instructions. The A-frames are not currently mounted aboard the SEACON, but are part of the vessel's inventory.

## Tracor Marine



### F. Miscellaneous

N62477-123-01    ATNAV Transducer Trunk  
N62477-131-01    Main Deck Doublers  
N62477-163-01    Deep Sea Chest  
N62477-264-01    Lube Oil Storage Tank  
N62477-503-02    Seawater Cooling Pump Instl  
N62477-541-01    Fuel Service Pump Instl  
N62477-541-02    Fuel Transfer Lines  
N62477-672-01    Conversion of Anti-roll Tanks to Storerooms

These miscellaneous drawings were prepared by VSE Corporation as part of the SEACON Overhaul Specification dated 12 November 1981. They portray the proposed work and generally reflect the condition of the vessel. However, for an accurate representation it is suggested that the various system drawings be referenced.

40R-2200            Lines Drawing with Modifications and  
                     Additions, Skegs, Center Well, Prop Units

This drawing presents the ship's lines developed for the purpose of making a model of the SEACON. It is a poor copy. Refer to 1736-100-24 for a good representation of the ship's lines.

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