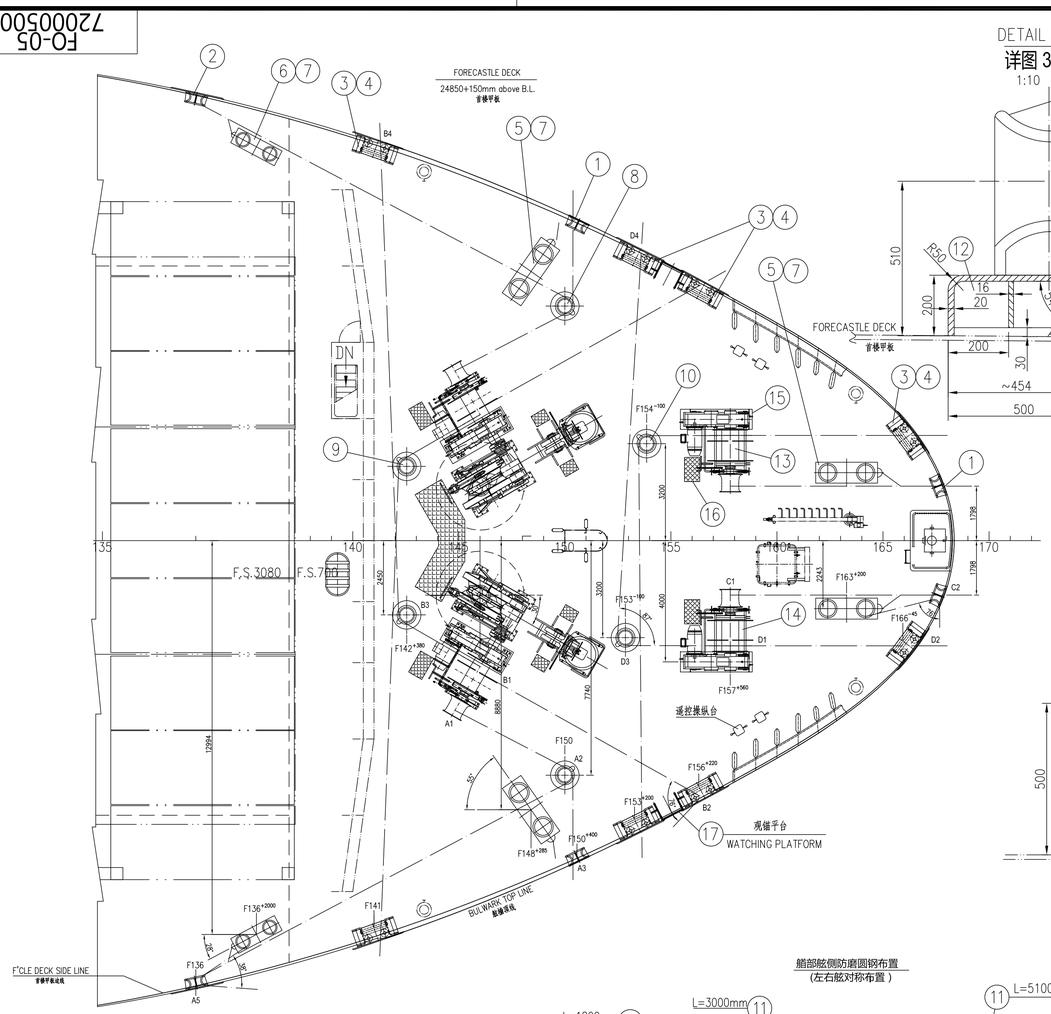
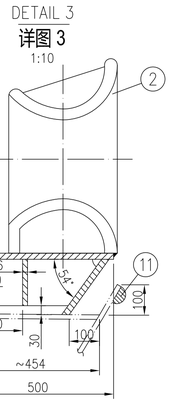
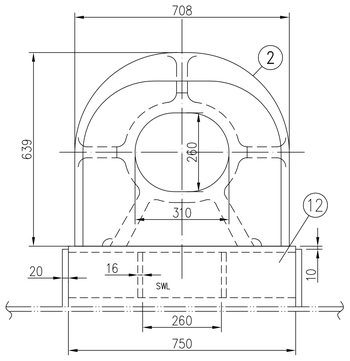
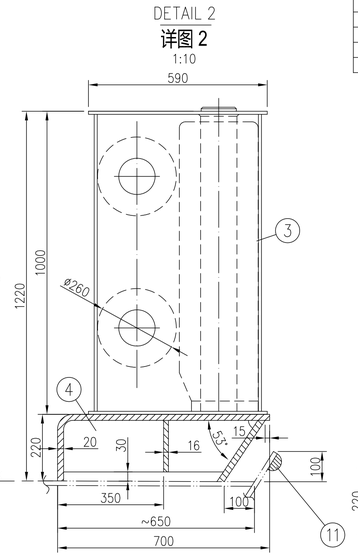
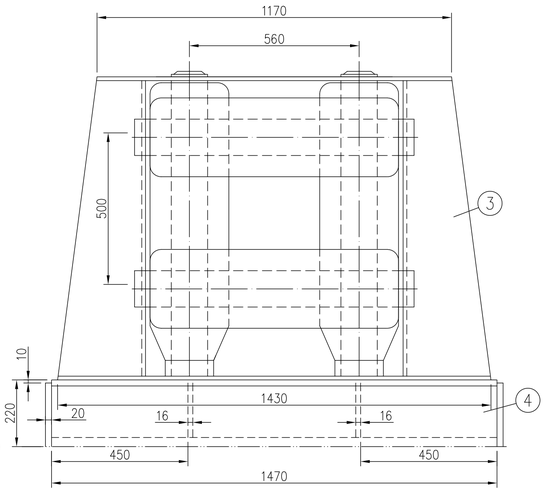
FO-05
72000500D

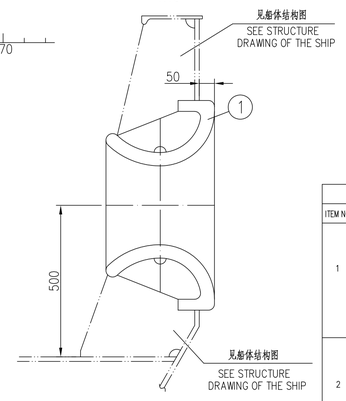


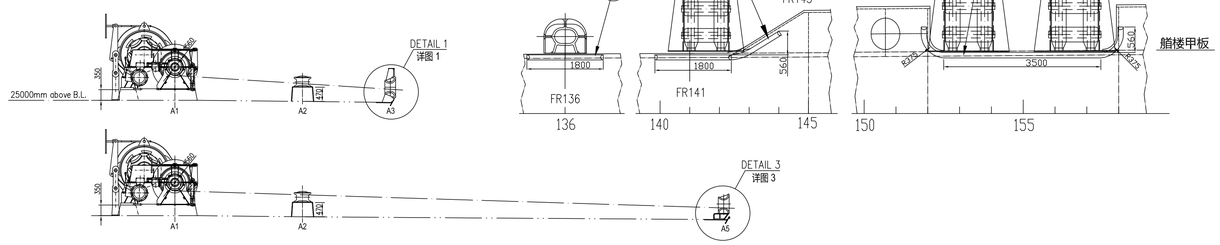


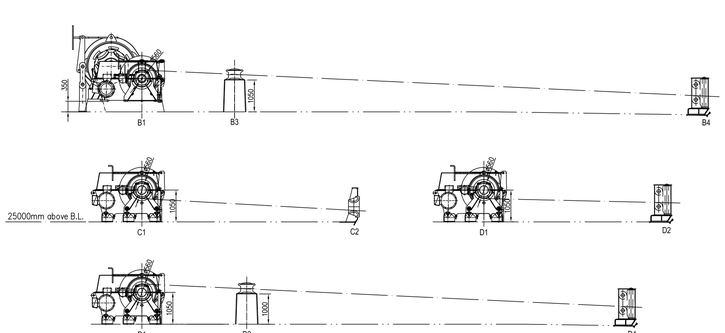












SHIPBOARD FITTING INFORMATION					
ITEM NO.	FITTING TYPE	LOCATION ON THE SHIP	SWL (KN)	PURPOSE	MIN. LIMITING FLEET ANGLE
1	PANAMA CHOCK BC400 GB11586-89	AS SHOWN ON THE DRAWING "C2" & "A3"	453KN PANAMA CANAL MBL=627KN	1. NORMAL TOWING (only for "C2") 2. MOORING 3. PANAMA CANAL TRANSIT	1340 KN, design load on line 1.25x680=850 KN, 1.25x680=850 KN design load on line
2	PANAMA CHOCK AC310 GB11586-89	AS SHOWN ON THE DRAWING "A5"	PANAMA CANAL MBL=445KN	1. PANAMA CANAL TRANSIT	1052KN, design load on line 1.25x445=556.2KN, 1.25x445=556.2KN design load on line
3	4-ROLLERS FAIRLEADER BB260 CB*3062-79	AS SHOWN ON THE DRAWING "B2", "B4", "D4"& "D2"	453KN	1. MOORING	1340 KN, design load on line 1.25x680=850 KN, 1.25x680=850 KN design load on line
5	BOLLARD refer to A500 GB/T554-1996	AS SHOWN ON THE DRAWING for "C2" & "A3"	453KN	1. NORMAL TOWING (only for "C2") 2. MOORING 3. PANAMA CANAL TRANSIT	2x1.25x680=1700 KN design load on line
6	BOLLARD A400 GB/T554-1996	AS SHOWN ON THE DRAWING for "A5"	PANAMA CANAL MBL=445KN	1. PANAMA CANAL TRANSIT	2x1.25x445=1112.5KN design load on line
8 9 10	STAND FAIRLEADER ROLLER A450-600 CB/T 436-2000	AS SHOWN ON THE DRAWING "A2", "B3" & "D3"	453KN	1. MOORING	1233 KN, design load on line 1.25x680=850 KN, 1.25x680=850 KN design load on line

NOTE:

1. THE FINAL POSITION, HEIGHT AND, NCLINATION OF BOLLARD, PEDESTAL ROLLER, CLOSED CHOCK TO BE DECIDED ON SITE OF BOARD BY DRAW LINE, THEN TO BE LOCATED BY SPOT WELDIND, AND TO BE APPROVAL BY OWNER BEFORE WELDING.
2. THE AREA UNDER ALL FOUNDATIONS, BOLLARD , FAIRLEADERS, MOORING FITTINGS TO BE STRENGTHENED, THE TYPE TO BE SEE THE STRUCTURE DRAWING OF THE SHIP.
3. THE SWL OF EACH BOLLARD, CHOCK,4-ROLLERS FAIRLEADER AND STAND FAIRLEADER ROLLER SHOUID BE MARKED BY WELD BEAD OR EQUIVALENT ON THE DECK FITTNGS.
4. ANTISKID PAINT TO BE PAINTED IN WAY 500mm OF BOLLARD'S SIDES AND OPERATIVE AREA OF WARPING HEAD OF WINCH.

说明：

1. 带缆桩，带羊角滚轮导缆器，导缆孔的高度及倾斜度应在船上现场拉线点焊定位，取得船东认可后焊接。
2. 在带缆桩，滚轮导缆器等系泊属具的底座下须加强。加强型式详见船体结构图。
3. 船上带缆桩,导缆孔，4滚柱导缆器和带羊角单滚轮导缆器的安全工作负荷SWL均应表（点焊或等效方法）在该艏装件上。
4. 带缆桩两侧和绞车副卷筒周围500mm操作范围内,船体甲板涂防滑漆。

ITEM NO. 序号	MARK 代号	NAME & SPEC 名称及规格	QTY. 数量	牌号 材料	标准号	SIN. 每件	TOT. 总计 WEIGHT(kg) 重量	REMARKS 附注
17		观锚平台 WATCHING PLATFORM	2	组合件 ASSEMBLY				热镀锌 Q235-A
16		绞缆机操作台 WORKING PLATFORM OF WINCH	4	组合件 ASSEMBLY				操作台高 H=300
15		拦油扁钢 −6x100 OIL SPILL COAMING	4	GL-A				
14	327470	系泊绞车 MOORING WINCH	1	组合件 ASSEMBLY			5800	
13	327470	系泊绞车 MOORING WINCH	1	组合件 ASSEMBLY			5800	
12		AC310 巴拿马运河导缆孔底座 SEAT OF PANAMA CHOCK AC310	2	GL-A		107	214	
11		缆绳防磨半圆钢 ∽Ø60 L=9.9m ANTI-FRICTION BAR	2	GL-A		110	220	
10	A450-1000 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	2	组合件 ASSEMBLY		920	1840	H =~1000
9	A450-1050 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	2	组合件 ASSEMBLY		719	1438	H =~1050
8	A450-470 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	2	组合件 ASSEMBLY		675	1350	H =~470
7	A32 CB/T 3155-94	带缆插险索 MOORING ASSISTANT ROPE	6	组合件 ASSEMBLY		4.53	27.18	
6	A400 GB/T554-1996	带缆桩 BOLLARD	2	组合件 ASSEMBLY		499	998	
5	参照 A500 GB/T554-1996	带缆桩 BOLLARD	4	组合件 ASSEMBLY		1335	5340	缆桩壁厚 t=26mm
4		4 滚柱导缆器底座 4-ROLLERS FAIRLEADER SEAT	8	GL- A		265	2120	
3	BB260 CB*3062-79	4滚柱导缆器 4-ROLLERS FAIRLEADER	8	组合件 ASSEMBLY		2008	16064	
2	AC310 GB11586-89	巴拿马运河导缆孔 PANAMA CHOCK	2	铸钢 ZG230-450 CAST STEEL		253	506	
1	BC400 GB11586-89	巴拿马运河导缆孔 PANAMA CHOCK	4	铸钢 ZG230-450 CAST STEEL		344	1376	

JNSD Shanghai China
Tel: +86-021-53025656
Fax: +86-021-63012364
E-mail:jnsd@jnshipyard.com.cn

5,100 箱集装箱船
5,100TEU CONTAINER VESSEL

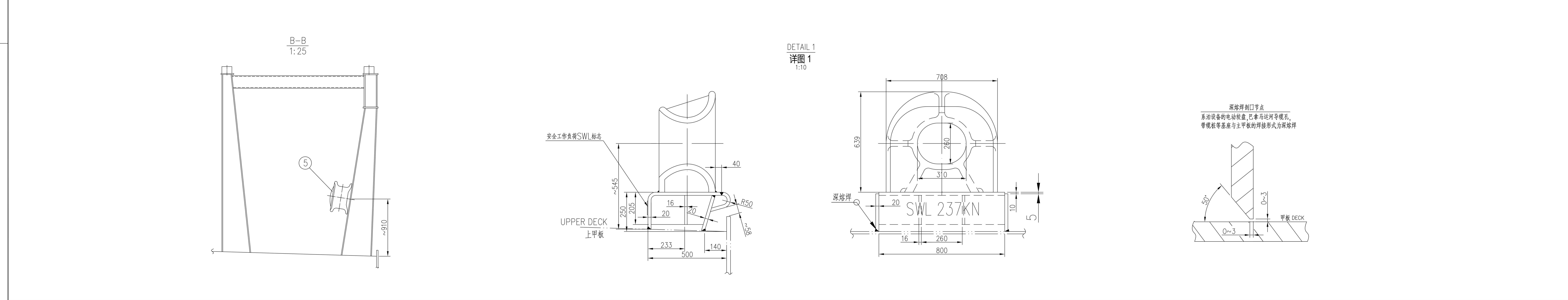
系泊设备布置图
（首楼甲板）
MOORING ARRANGEMENT
(ON FORECASTLE DECK)

设计阶段 DES.STA.	完工设计 FINISH DESIGN
工程号 HULL NO.	H2431
文件号 FILE	版本 REV.
设绘 DESIGNED	审核 EXAMINE
校对 CHECKED	复审 REVIEWED
会签 COUNTERSIGN	审定 APPROVED
标检 STANDARDIZD	批准 AGREED
图号 DRAWING NO.	FO-05 72000500D
重量(kg) WEIGHT	430752
比例 SCALE	1:100
面积m² AREA	
共 3 页 TOTAL SHEETS	第 1 页 SHEET

上海江南长兴重工有限责任公司
SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO.,LTD

图纸履历 PLAN HISTORY							
日期 DATE	标记 MARKER	数量 NUMBER	版本 REV.	修改单号/说明 MODIFICATION NO./DESCRIPTION	页码 PAGE	设绘 DESIGNED	审核 EXAMINE

总面积： 594X841=0.5㎡ 1号 594X841=0.5㎡



NOTE:

1. THE FINAL POSITION, HEIGHT AND, INCLINATION OF BOLLARD, PEDESTAL ROLLER, CLOSED CHOCK TO BE DECIDED ON SITE OF BOARD BY DRAW LINE, THEN TO BE LOCATED BY SPOT WELDIND, AND TO BE APPROVAL BY OWNER BEFORE WELDING.
2. THE AREA UNDER ALL FOUNDATIONS, BOLLARD , MOORING FITTINGS TO BE STRENGTHENED, THE TYPE TO BE SEE THE STRUCTURE DRAWING OF THE SHIP.
3. THE SWL OF EACH BOLLARD, CHOCK, AND STAND FAIRLEADER ROLLER SHOUID BE MARKED BY WELD BEAD OR EQUIVALENT ON THE DECK FITTNGS.
4. ANTISKID PAINT TO BE PAINTED IN WAY 500mm OF BOLLARD'S SIDES AND OPERATIVE AREA OF WARPING HEAD OF CAPSTAN.
5. THE INSTALLATION DETAIL FOR ITEM 4&5 REFER TO THE LASHING BRIDGE AND CONTAINER STANCHION DRAWING BY SEC.
6. THE SWL OF EACH SHIPBOARD FITTING IS TO BE MARKED ON THE DECK FITTINGS.
7. THE LOAD ASSIGNED TO AND MARKED ON DECK FITTING USED FOR MOORING AND TOWING
8. THIS LOAD CONTAINS A SAFETY FACTOR OF 2 WITH RESPECT TO THE ULTIMATE LOAD LIMIT OF THE FITTING.

说明：

1. 带缆桩，带羊角滚轮导缆器，导缆孔的高度及倾斜度应在船上现场拉线点焊定位，取得船东认可后焊接。
2. 在带缆桩等系泊属具的底座下须加强。加强型式详见船体结构图。
3. 船上带缆桩,导缆孔,和带羊角单滚轮导缆器的安全工作负荷SWL均应表（点焊或等效方法）在该舾装件上(标志高75mm).
4. 带缆桩两侧和绞盘周围500mm操作范围内,船体甲板涂防滑漆.
5. 件号4和5的安装节点参见SEC的绑扎桥和集装箱立柱图.
6. 所有零件均外购

图纸履历 PLAN HISTORY

日期 DATE	标记 MARKER	数量 NUMBER	版本 REV.	修改单号/说明 MODIFICATION NO./DESCRIPTION	页码 PAGE	设绘 Designed	审核 Reviewed

SHIPBOARD FITTING INFORMATION

ITEM NO.	FITTING TYPE	LOCATION ON THE SHIP	SWL (KN)	PURPOSE	MIN. LIMITING FLEET ANGLE
4	PANAMA CHOCK BC400 GB11586-89	AS SHOWN ON THE DRAWING "A4"	PANAMA CANAL SWL=335KN	PANAMA CANAL TRANSIT	44°; 1165 KN; 628 KN design load on line; 628 KN design load on line
6	PANAMA CHOCK AC310 GB11586-89	AS SHOWN ON THE DRAWING "A6"	PANAMA CANAL SWL=237KN	PANAMA CANAL TRANSIT	25°; 869KN; 445 KN design load on line; 445 KN design load on line
6	PANAMA CHOCK AC310 GB11586-89	AS SHOWN ON THE DRAWING "B2" & "C2"		WORKING BOAT SECURING	
3	BOLLARD A450 GB/T554-1996	AS SHOWN ON THE DRAWING for "A4"	PANAMA CANAL SWL=335KN	PANAMA CANAL TRANSIT	2x628=1256 KN design load on line; D; 1.2D
2	BOLLARD A400 GB/T554-1996	AS SHOWN ON THE DRAWING for "A6" , "B2" & "C2"	PANAMA CANAL SWL=237KN	1. PANAMA CANAL TRANSIT 2. WORKING BOAT SECURING	2x445=890KN design load on line; D; 1.2D
5	STAND FAIRLEADER ROLLER A350 CB/T 436-2000	AS SHOWN ON THE DRAWING "A3"	PANAMA CANAL SWL=335KN	PANAMA CANAL TRANSIT	72°; 1016 KN; 628 KN design load on line; 628 KN design load on line

ITEM NO. 序号	MARK 代号	NAME & SPEC 名称及规格	QTY. 数量	牌号 (材料)	标准号 (材料)	SIN. 每件 WEIGHT(kg) 重量	TOT. 总计 WEIGHT(kg) 重量	REMARKS 附注
8	A32 CB/T 3155-94	带缆辅助索 MOORING ASSISTANT ROPE	10	组合件 ASSEMBLY		4.53	45.3	
7		AC310 巴拿马运河导缆孔底座 SEAT OF PANAMA CHOCK AC310	8	Q235-A		107	856	
6	AC310 GB11586-89	巴拿马运河导缆孔 PANAMA CHOCK	8	铸钢 ZG230-450 CAST STEEL		253	2024	
5	A350 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	2	组合件 ASSEMBLY		250	500	
4	BC400 GB11586-89	巴拿马运河导缆孔 PANAMA CHOCK	2	铸钢 ZG230-450 CAST STEEL		344	688	
3	A450 GB/T554-1996	带缆桩 BOLLARD	2	组合件 ASSEMBLY		680	1360	
2	A400 GB/T554-1996	带缆桩 BOLLARD	8	组合件 ASSEMBLY		499	3992	
1		电动绞盘 10KN ELECTRIC CAPSTAN	2	组合件 ASSEMBLY				左式、右式各一

JNSD Shanghai China
Tel: +86-021-53025656
Fax: +86-021-63012364
E-mail:jnsd@jnshipyard.com.cn

5,100 箱集装箱船 5,100TEU CONTAINER VESSEL		设计阶段 DES.STA.	完工设计 FINISH DESIGN		
		工程号 HULL NO.	H2431		
文件号 FILE		版本 REV.		图号 DRAWING NO.	FO-05 72000500D
设绘 DESIGNED		审核 EXAMINE		重量(kg) WEIGHT 9465.3	比例 SCALE 1:50 / 面积 m² AREA
校对 CHECKED		复审 REVIEWED		共 3 页 TOTAL SHEETS	第 2 页 SHEET
会签 COUNTERSIGN		审定 APPROVED			
标检 STANDARDIZED		批准 AGREED			

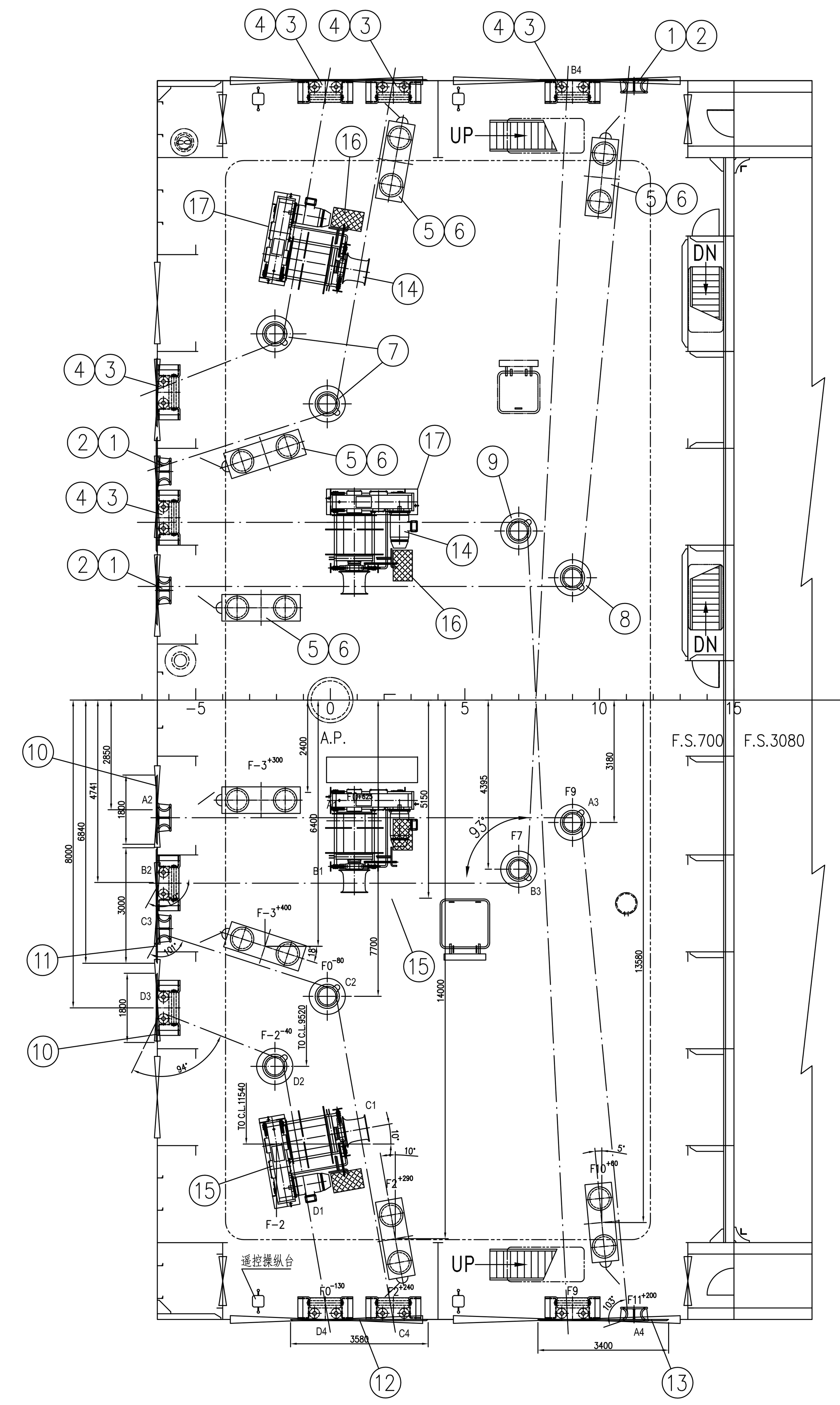
系泊设备布置图 （上甲板） MOORING ARRANGEMENT (ON UPPER DECK)

上海江南长兴重工有限责任公司
SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO.,LTD.

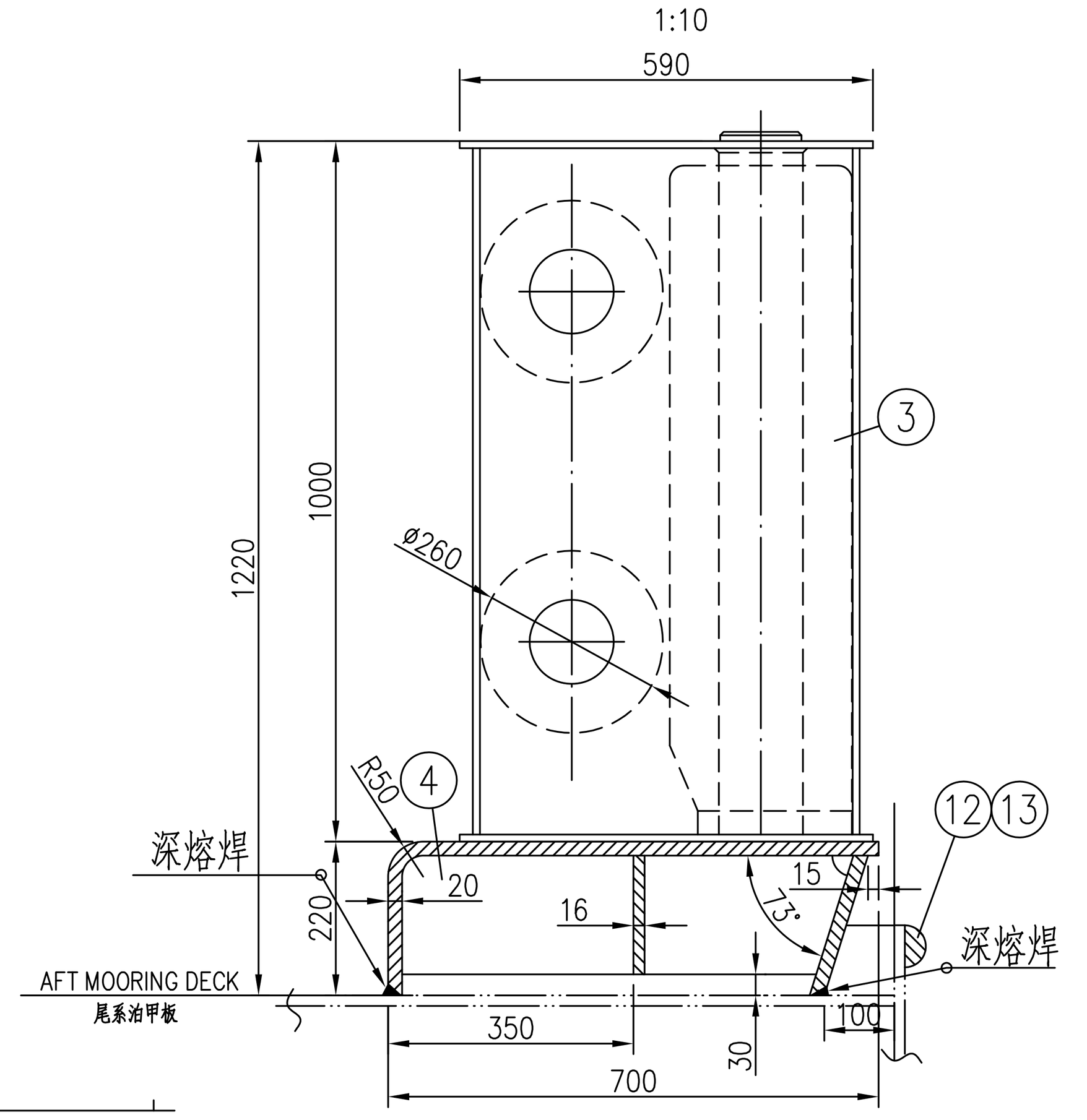
面积: 1471x594=0.87 m^2

FO-05
72000500D

尾系泊甲板
AFT MOORING DECK



DETAIL 2
详图 2
1:10



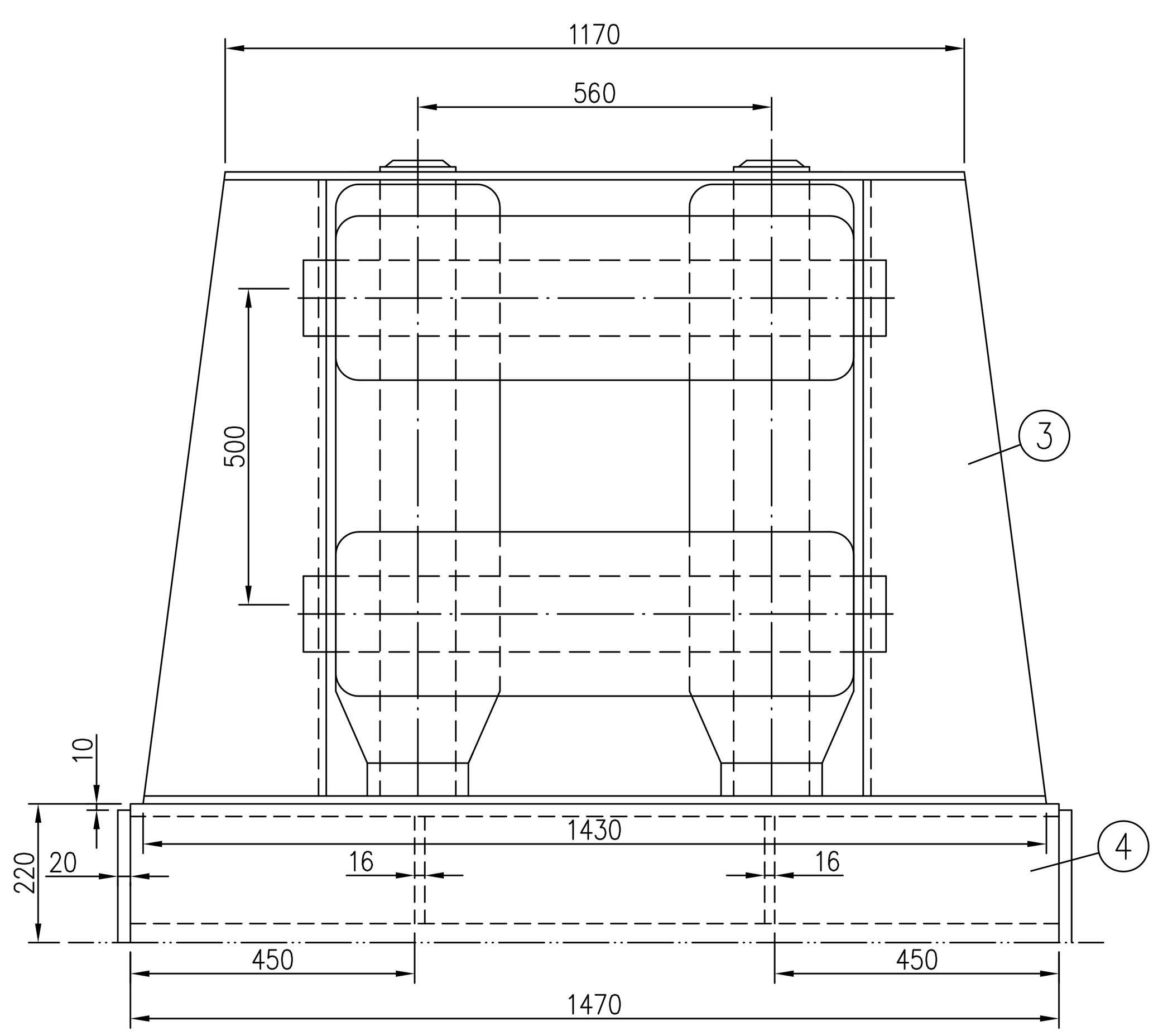
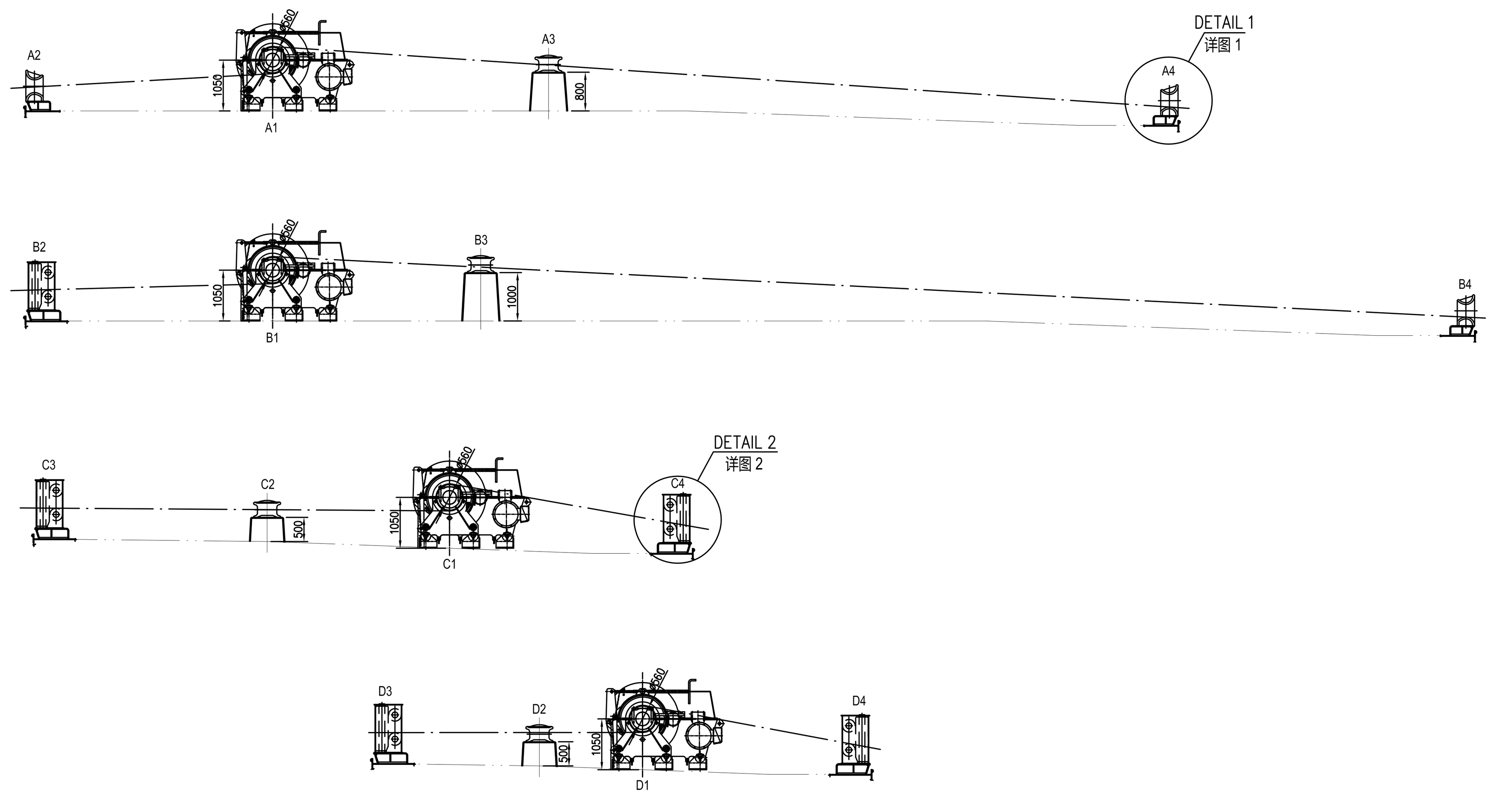


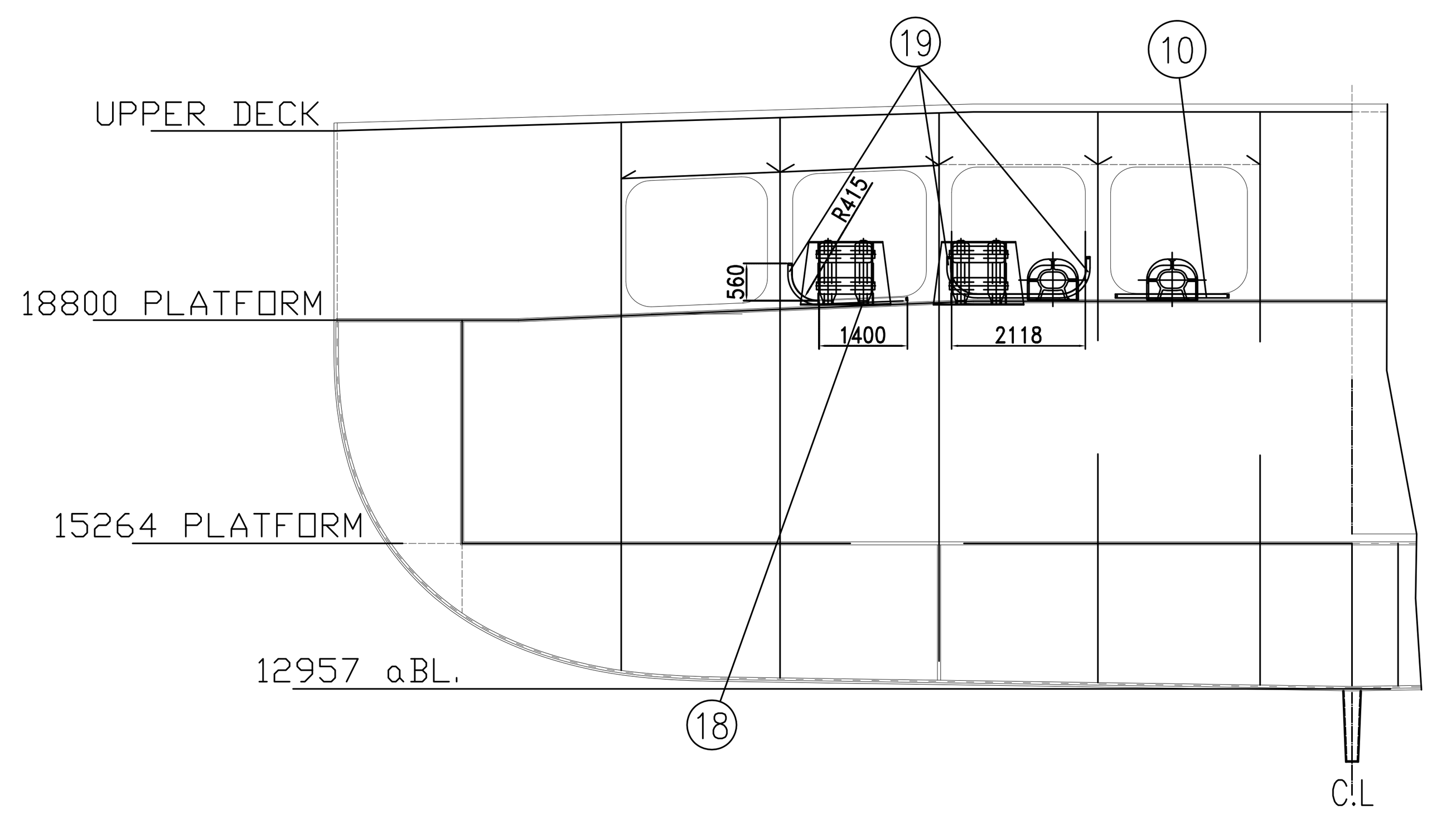
图 纸 履 历 PLAN HISTORY							
日 期 DATE	标 记 MARKER	数 量 NUMBER	版 本 REV.	修 改 单 号/说 明 MODIFICATION NO./DESCRIPTION	页 码 PAGE	设 绘 DESIGNED	审 核 EXAMINE

SHIPBOARD FITTING INFORMATION

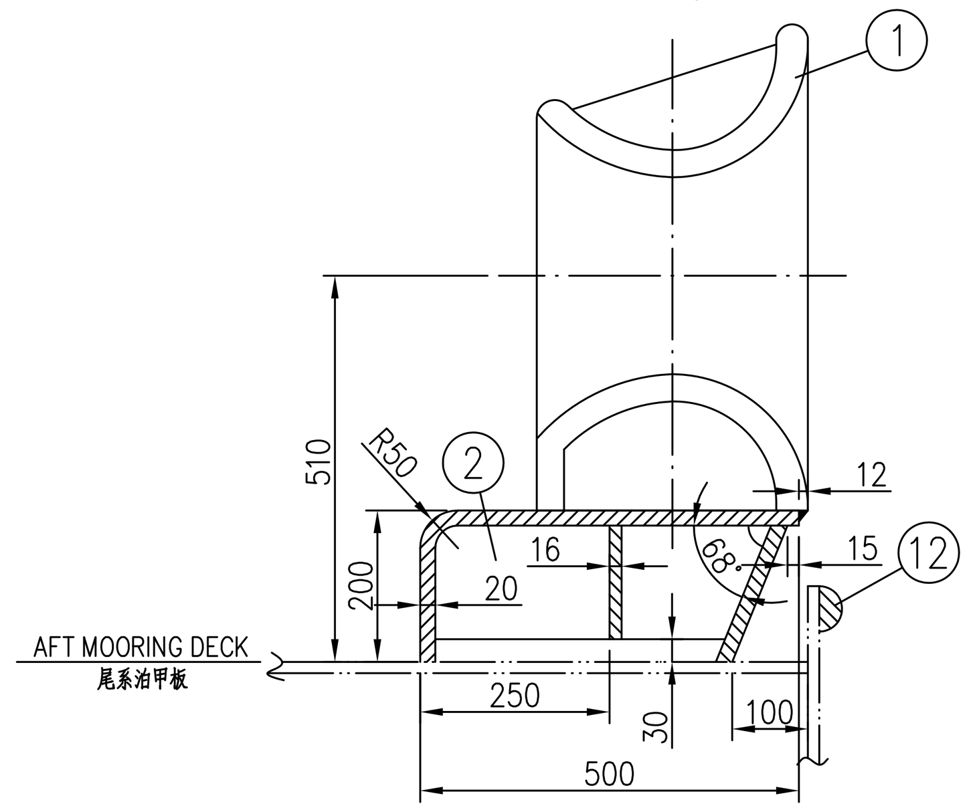
ITEM NO.	FITTING TYPE	LOCATION ON THE SHIP	SWL (KN)	PURPOSE	MIN. LIMITING FLEET ANGLE
1	PANAMA CHOCK AC400 GB11586-89	AS SHOWN ON THE DRAWING "A2", "C3"& "A4"	453KN PANAMA CANAL MBL=627KN	1. NORMAL TOWING (only for "A2") 2. MOORING (for all) 3. PANAMA CANAL TRANSIT (only for "A2"&"C3")	1081 KN, 101°, 1.25x680=850 KN design load on line
3	4-ROLLERS FAIRLEADER BB260 CB*3062-79	AS SHOWN ON THE DRAWING "B2", "D3", "C4", "D4" & "B4"	453KN	1. MOORING	1159 KN, 94°, 1.25x680=850 KN design load on line
5	BOLLARD refer to A500 GB/T554-1996	AS SHOWN ON THE DRAWING	453KN PANAMA CANAL MBL=627KN	1. NORMAL TOWING (only for "A4") 2. MOORING (for all) 3. PANAMA CANAL TRANSIT (only for "A4"&"A3")	2x1.25x680=1700 KN design load on line, D, 1.2D
7 8 9	STAND FAIRLEADER ROLLER A450-600 CB/T 436-2000	AS SHOWN ON THE DRAWING "A3" , "B3", "C2"& "D2"	453KN	1. MOORING	1170 KN, 93°, 1.25x680=850 KN design load on line

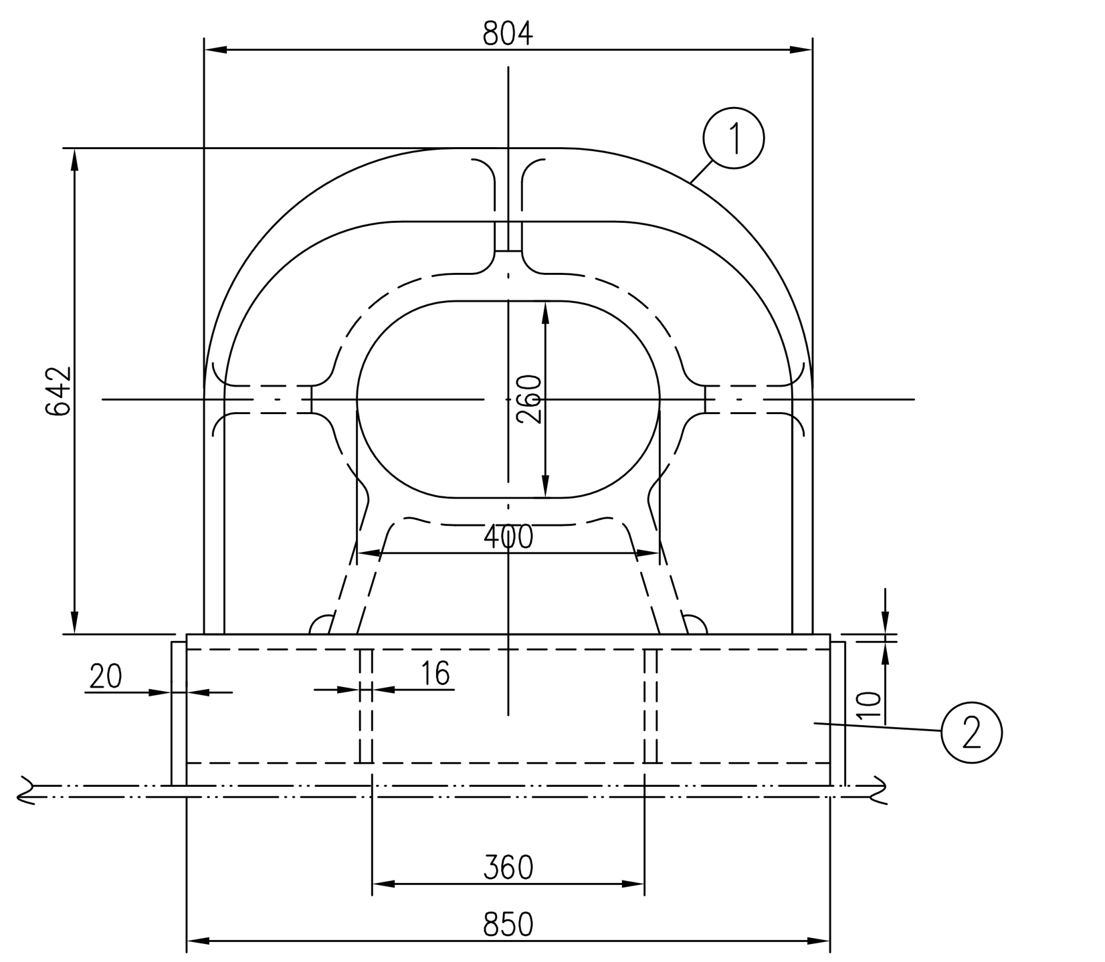


TRANSOM
SB SIMILAR
STIFF.: HP200X10



DETAIL 1
详图 1
1:10



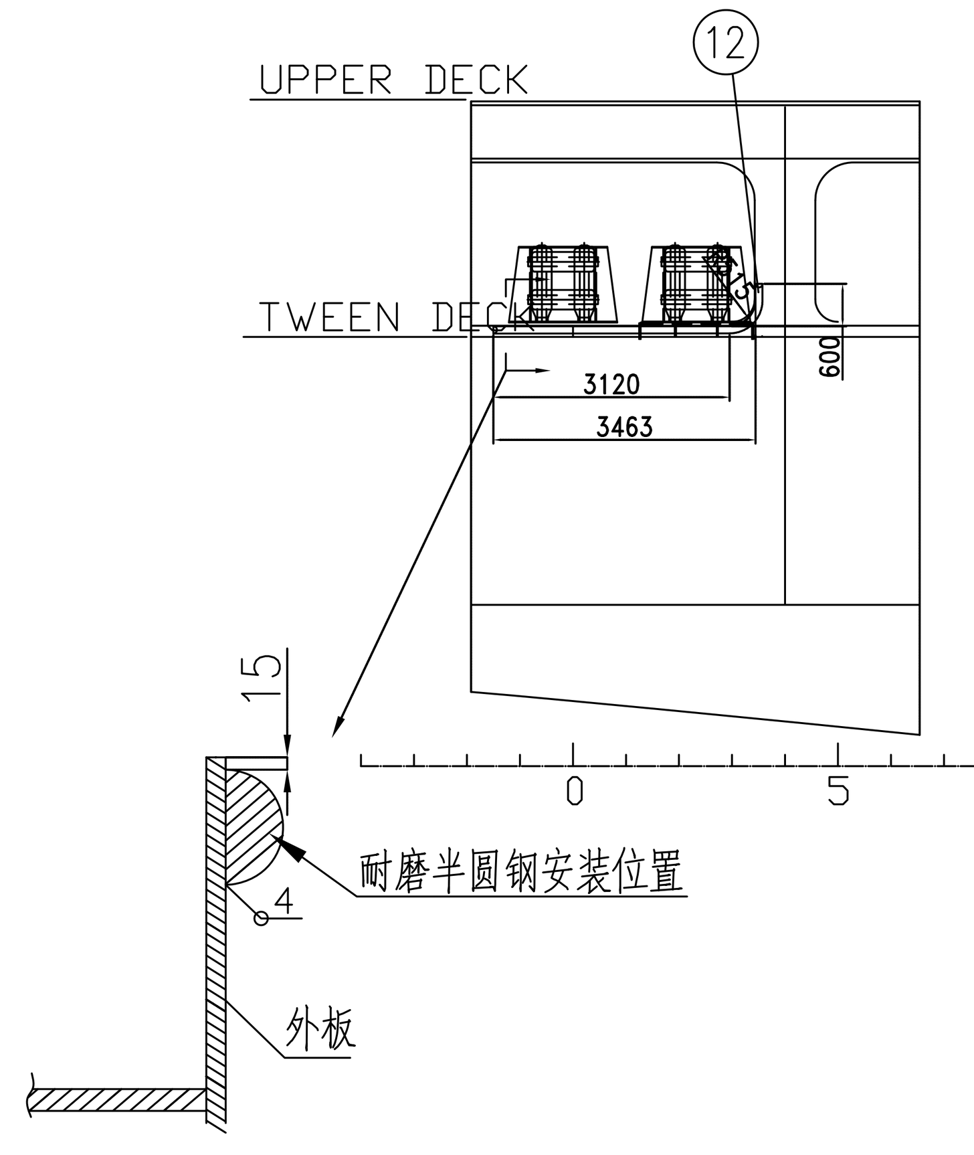


NOTE:

1.THE FINAL POSITION, HEIGHT AND, NCLINATION OF BOLLARD, PEDESTAL ROLLER, CLOSED CHOCK TO BE DECIDED ON SITE OF BOARD BY DRAW LINE, THEN TO BE LOCATED BY SPOT WELDIND, AND TO BE APPROVAL BY OWNER BEFORE WELDING.
2.THE AREA UNDER ALL FOUNDATIONS, BOLLARD , FAIRLEADERS, MOORING FITTINGS TO BE STRENGTHENED, THE TYPE TO BE SEE THE STRUCTURE DRAWING OF THE SHIP.
3. THE SWL OF EACH BOLLARD, CHOCK,4-ROLLERS FAIRLEADER AND STAND FAIRLEADER ROLLER SHOUID BE MARKED BY WELD BEAD OR EQUIVALENT ON THE DECK FITTNGS.
4. ANTISKID PAINT TO BE PAINTED IN WAY 500mm OF BOLLARD'S SIDES AND OPERATIVE AREA OF WARPING HEAD OF WINCH.

注:

1. 带缆桩，带羊角滚轮导缆器，导缆孔的高度及倾斜度应在船上现场拉线点焊定位，取得船东认可后焊接。
2. 在带缆桩，滚轮导缆器等系泊属具的底座下须加强。加强型式详见船体结构图。
3. 船上带缆桩,导缆孔，滚柱导缆器和带羊角单滚轮导缆器的安全工作负荷SWL均应表（点焊或等效方法）在该舾装件上.
4. 带缆桩两侧和绞车副卷筒周围500mm操作范围内,船体甲板涂防滑漆.



ITEM NO. 序号	MARK 代 号	NAME & SPEC 名称及规格	QTY. 数量	牌号 (材料)	标准号 (材料)	SIN. 每件 WEIGHT(kg) 重量	TOT. 总计 WEIGHT(kg) 重量	REMARKS 附注
19		缆绳防磨半圆钢⌓ø60 L=0.7m ANTI-FRICTION BAR	6	GL-A		7.5	45	
18		缆绳防磨半圆钢⌓ø60 L=1.4m ANTI-FRICTION BAR	2	GL-A		15	30	
17		拦油扁钢 -6x100 OIL SPILL COAMING	4	GL-A				
16		绞缆机操作台 WORKING PLATFORM OF WINCH	4	组合件 ASSEMBLY				操作台高 H=300
15	327470	系泊绞车 MOORING WINCH	2	组合件 ASSEMBLY		5800	11600	
14	327470	系泊绞车 MOORING WINCH	2	组合件 ASSEMBLY		5800	11600	
13		缆绳防磨半圆钢⌓ø60 L=3.4m ANTI-FRICTION BAR	2	GL-A		38	76	
12		缆绳防磨半圆钢⌓ø60 L=4m ANTI-FRICTION BAR	2	GL-A		45	90	
11		缆绳防磨半圆钢⌓ø60 L=3m ANTI-FRICTION BAR	2	GL-A		33	66	
10		缆绳防磨半圆钢⌓ø60 L=1.8m ANTI-FRICTION BAR	2	GL-A		20	40	
9	A450-1000 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	2	组合件 ASSEMBLY		920	1840	H =~1000
8	A450-800 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	2	组合件 ASSEMBLY		700	1400	H =~800
7	A450-500 CB/T 436-2000	带羊角单滚轮导缆器 STAND FAIRLEADER ROLLER	4	组合件 ASSEMBLY		666	2664	H =~500
6	A32 CB/T 3155-94	带缆辅助索 MOORING ASSISTANT ROPE	8	组合件 ASSEMBLY		4.53	36.2	
5	参照 A500 GB/T554-1996	带缆桩 BOLLARD	8	组合件 ASSEMBLY		1335	10680	缆桩壁厚 t=26mm
4		4 滚柱导缆器底座 4-ROLLERS FAIRLEADER SEAT	10	A级钢 STEEL A		250	2500	
3	BB260 CB*3062-79	4 滚柱导缆器 4-ROLLERS FAIRLEADER	10	组合件 ASSEMBLY		2008	20080	
2		AC400 巴拿马运河导缆孔底座 SEAT OF PANAMA CHOCK AC310	6	GL-A		115	690	
1	AC400 GB11586-89	巴拿马运河导缆孔 PANAMA CHOCK	6	铸钢 ZG230-450 CAST STEEL		323	1938	

JNSD Shanghai China
Tel: +86-021-53025656
Fax: +86-021-63012364
E-mail:jnsd@jnshipyard.com.cn

5,100 箱集装箱船 5,100TEU CONTAINER VESSEL				设计阶段 DES.STA.	完工设计 FINISH DESIGN
				工程号 HULL NO.	H2431
文件号 FILE		版本 REV.		图号 DRAWING NO.	FO-05 72000500D
设绘 DESIGNED		审核 EXAMINE		重量(kg) WEIGHT 65380.2	比例 SCALE 1:100 / 面积 m² AREA
校对 CHECKED		复审 REVIEWED		共 3 页 TOTAL SHEETS	第 3 页 SHEET
会签 COUNTERSIGN		审定 APPROVED			
标检 STANDARDIZED		批准 AGREED			

系泊设备布置图
（尾部下沉甲板）
MOORING ARRANGEMENT ON AFT. SUNKEN DECK

上海江南长兴重工有限责任公司
SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO.,LTD.

5号 1051X594=0.9m²