

PLAN HISTORY					
DATE	REV. NO.	DESCRIPTION	DRAWN	CHKD	APPRD
2023. 01.26	0	* 8164 - 8169호선 VERTICAL LADDER & PLATFORM (H.F.O TANK, COFFERDAM) 제작 도면으로 작성함.	조 훈	권 승 현	황 규 성

PAINTING SPEC.						PAINT SUPPLIER		
PAINT'G SYMBOL	PAINT ITEM SYMBOL	MATERIAL	SHOP PRIMER	표면 처리	BRAND NAME OF PAINT AND ITS COLOR SHADE	T (M)	REMARK	
<p>* PAINT CODE는 납기 LIST 참조하여 시공 할 것.</p> <p>* PAINT CODE : P1 는 일반의장품 그라인딩 (RC) 적용 할 것.(VERTICAL LADDER)</p> <p>* PAINT CODE : P1 는 일반의장품 그라인딩 (C) 적용 할 것.(PLATFORM)</p> <p>* PAINT CODE : ZO 는 PSPC 의장품 그라인딩 (3P) 적용 할 것.(PLATFORM)</p>								
외주 MAKER PAINT 시공범위	ITEM		IN SIDE & OUT SIDE			IN SIDE		OUT SIDE
			FINAL	SHOP PRIMER	PRIMER			

NOTE

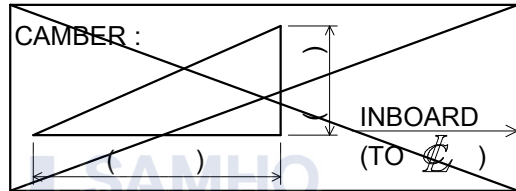
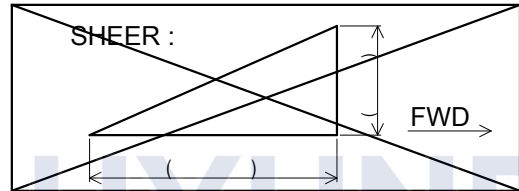
1. 본도는 VERTICAL LADDER, P/F (H.F.O TANK, COFFERDAM) 제작 도면임.
2. 모서리 부분은 하기와 같이 그라인딩 할 것.

PSPC 의장품 그라인딩 (3P)	WEATHER 의장품 그라인딩 (RC)	일반 의장품 그라인딩 (C)

3. 용접은 특기의 하기표 참조하여 연속 용접 할 것.
* 필렛의 용접각장은 아래를 따를 것.


재료의 두께	4.5	6	7~8	9~10	11~12	13	14~15	16~18	19~20
용접 각장	3	4	4.5	5	5.5	6	7	7.5	9


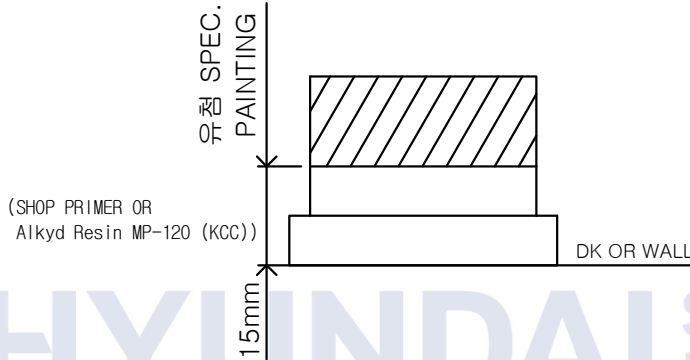
4. 제작시 DECK 상의 SHEER (S:) 와 캠버(CAMBER) (C:) 필히 적용 할 것.



5. 한 도면에서 서로 상이부분이 있거나 제작상 문제점 발생시 필히 당부와 협의/확정 후 제작 완료 할 것.
6. 본 도면상에 표기된 자재중 SS400, 단조품(SF자재) 및 용접되는 주강품(SC42) 은 탄소(C) 함유량이 0.23% 이하가 되어야함에 유의 할 것. (자재 MILL SHEET 제출요)
또한, 주강품은 용접시 예열(200℃)한 후 용접하여 용접균열을 방지할 것.
7. 볼트 길이는 너트 체결후 약 2~3 산이 남도록 할 것.
8. 이름/경고판 시공기준 : 모든 이름/경고판은 전면에 페인트나 신나에 녹지않는 비닐테이프를 부착한 상태로 뒤집어 조립하고, 그 후면에 도어 또는 밴트(VENT) 이름을 매직펜으로 기록하여 입력하고, 야드에서 정방향 설치시 나사산의 위치가 불일치 되지 않도록 구멍의 간격을 잘 유지하여 입고 할 것. (이름, 경고판 재질: SUS316 & SUS316 SCREW BOLT)
9. 그리스 니플 : JIS B 1575 A-PT1/8" BALL TYPE 러버 캡을 씌울것.[재질:브라스(BRASS)]
10. P.O.R NO: JT6
11. TOTAL WEIGHT : 1,052.8 KG/SHIP
12. 도면상 재질 SS400 = SS400(JIS) OR SS275(KR)
13. PLATFORM의 RAIL SPEC이 구역에 따라 상이함에 주위 할 것.
14. PF-02P의 PAD(E-GRADE)는 사급 강재로 POR NO.:JT5,JT7의 제작 MAKER에서 자재 받아 제작 할 것,

(11 SHEETS WITH COVER)

DEP'T NO. B026	SHIP NO. 8164-8169	SHIP TYPE 15,300 TEU CLASS CONTAINER CARRIER	
TEL. NO. 2868	SHIP DESIGN OFFICE 선 장 설 계 부	SHIP NAME	
APPROVED BY 황 규 성 CHECKED BY 권 승 현 DRAWN BY 조 훈		TITLE VERTICAL LADDER & PLATFORM (H.F.O TANK & COFFERDAM) 제 작 도	
 Hyundai Samho Heavy Industries Co., Ltd Samho Shipyard Korea		SCALE	DWG NO. T26T0-B21-56BB-0
		DATE 2023. 01 .26	CONSOLIDATED NO.

	제작사양서(외주구매용)		제품품별 납기 LIST							SHIP NO.		8164 - 8169		01
										DWG NO.		T26T0-B21-56BB		
			P.O.R NO.	SEQ. NO.	BLOCK	STAGE	MARK NO.	DESCRIPTION		PAINT CODE		Q'TY /SHIP	WEIGHT (KG/SET)	설치부서
<div>1. GALV. 두께 : HOT DIP GALV. 55~80μ (단, BOLT/NUT류는 45~65μ 시공)</div> <div>2. GREASE NIPPLE은 FULL GREASING하고 규정된 고무 CAP을 씌울 것.</div> <div>3. SS400이 아닌 재질의 BOLT/NUT는 재질을 PUNCHING 할 것.</div> <div>4. 도장 : 유첨 SPEC. 에 준하되 특히 DECK에 취부되는 부위는 DECK OR WALL에서 15mm까지는 SHOP PRIMER 시공 할 것.</div> <div>5. HOT-DIP GALV. : DECK/WALL 에서 취부되는 부위는 DECK/WALL에서 15mm까지는 ALKYD RESIN MP-120(KCC) COATING 하여 도금이 되지 않도록 할 것.</div> <div></div>	JT6	01	C16P0	FS	VL-C01P	VERTICAL LADDER (H/C IN SIDE)		P1		1	30.9	사외 BLOCK		
		02	↓			VL-C02P				1	38.3			
		03	C16S0			VL-C01S				1	30.9			
		04	↓			VL-C02S				1	38.3			
		05	C15C0			VL-C03P				1	35.6			
		06	↓			VL-C03S				1	35.6			
		07	T26C0	CS		PF-C01P	PLATFORM (COFFERDAM)				1	118.3	TB2	
		08	↓			PF-C02P				1	117.8			
		09	T46C0			PF-C03P				1	117.3			
		10	T86P0	C1		PF-H01P	PLATFORM (F.O BUNKER TANK)		ZO		1	124.9	TB1	
		11	↓			PF-H02P				1	120.0			
		12	T86S0			PF-H01S				1	124.9			
		13	↓			PF-H02S				1	120.0			
TOTAL WEIGHT : 1,052.8 KG/SHIP														
<div>6. GALV. 용 HOLE 시공할 경우는 GALV. 후 메공하고 GALV. 손상부위 수정 후 입고 할 것.</div> <div>7. 납품시 P.O.R SHEET와 유첨도를 첨부 할 것.</div> <div>8. MAKER CERTIFICATE (특수재료는 MILL SHEET)를 첨부 할 것.</div> <div>9. 무도장으로 입고되는 품목으로서 그 품목의 일부분이 도금이 되어있는 경우는 SHOT BLASTING으로부터 도금부분이 훼손되지 않도록 보호 MASKING을 하여 입고 할 것. (단 도금표면에 다시 PAINTING하는 경우는 제외됨)</div> <div>10. 의장품 자재 PALLET 고박용 번선 및 고박 ITEM에 대한 묶음 WIRE(철사)는 필히 부식 방지용 COATING WIRE를 사용하여 입고 시킬 것.</div> <div>11. 의장품 자재 입고시 상.하.좌.우로 움직일수 있는 항목들은 상기 10)번항에 의거하여 반드시 고박하여 입고할것. (안전사고 사전방지)</div> <div>12. 납품시 하기 참고하여 입고 할 것.</div> <div>1) 용접선 있는 자재는 용접선 부근 50mm 이내 PAINT MARKER 마킹 적용 (설치 후 은폐 도장작업 쉽게 하기 위함)</div> <div>2) 용접선 없는 자재는 자재 인식표(TAG) 또는 안티 울트라테이프에 마킹 후 부착 (자재 TAG 및 안티 울트라테이프 제거는 의장 1,2부에서 실시함)</div> <div>3) 적용대상 : 강재로 제작되는 모든 철의장품</div> <div>4) MARKING 방법 : SHIP NO., BLOCK NO., POR NO., MARKING(PC'S) NO.</div>														



DETAIL OF VERTICAL LADDER

SHIP NO.	8164 - 8169	02
DWG NO.	T26T0-B21-56BB	

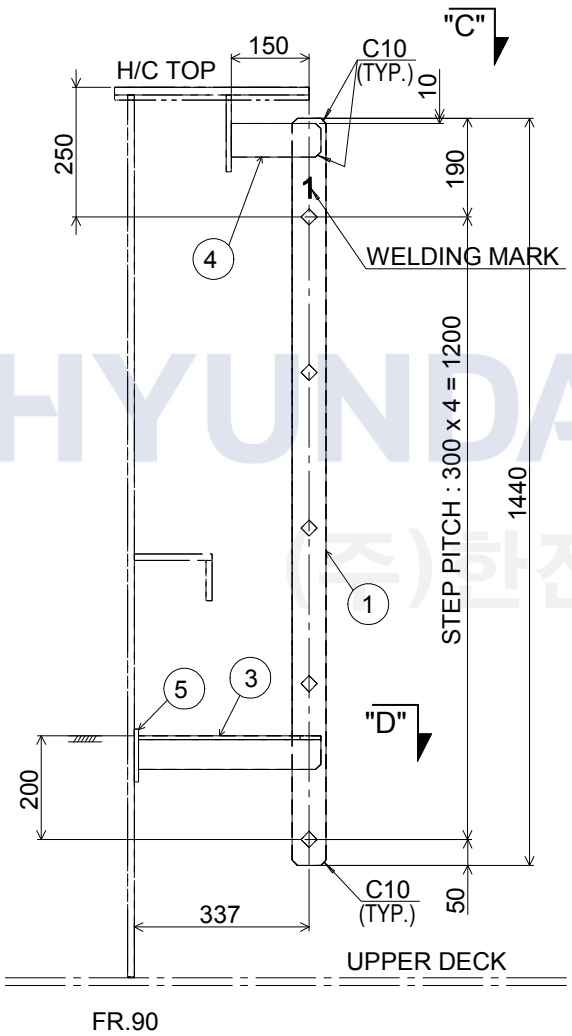
STEP PITCH가 300mm 임에 주의하여 제작할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
C16P0	VL-H01P	1	30.9	본도제작
C16S0	VL-H01S	1	30.9	대칭제작

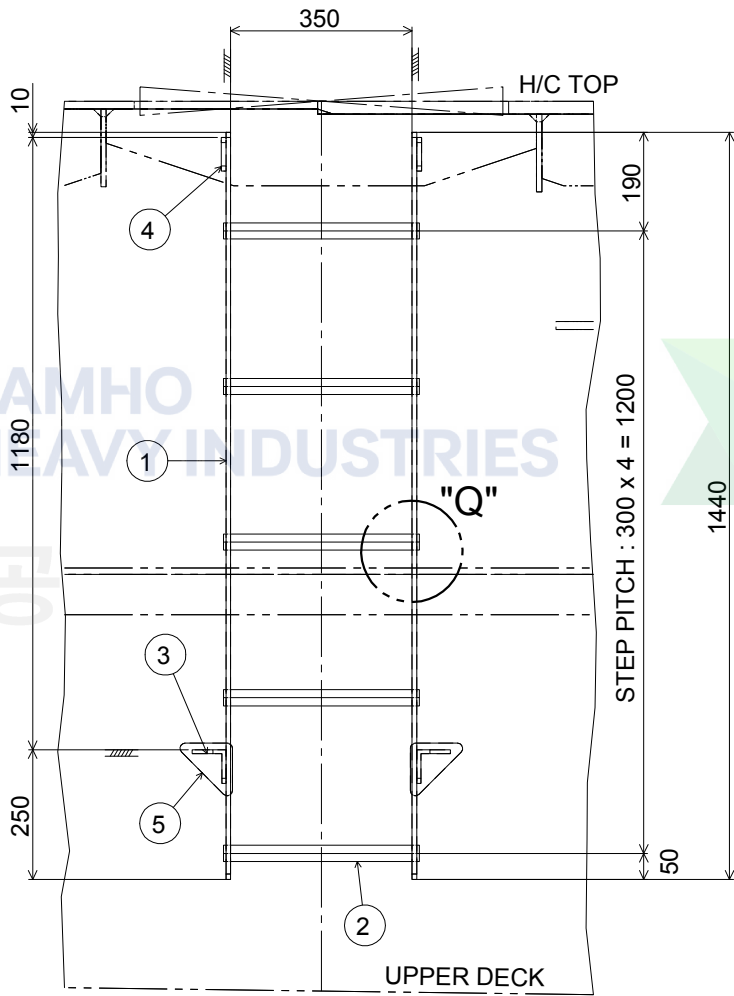
※ PAINT CODE : P1

C16P0
C16S0

VIEW - "A"

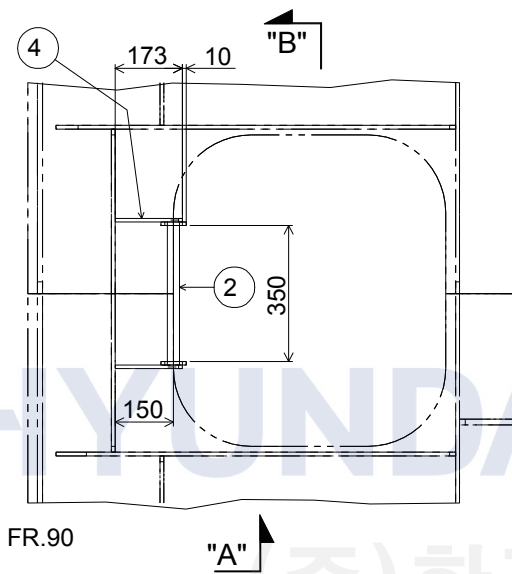


VIEW - "B"



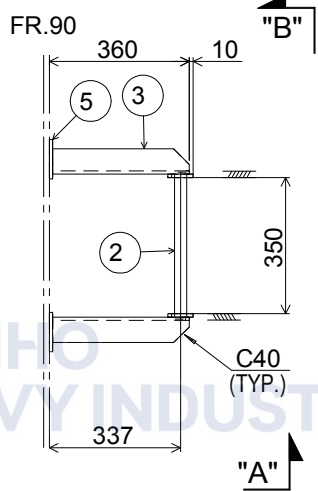
PLAN

(VIEW "C")

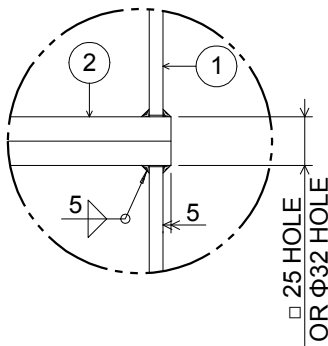


PLAN

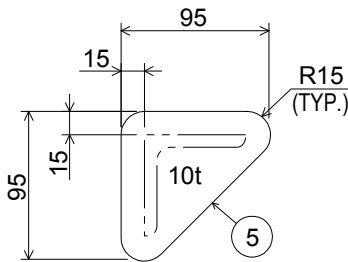
(VIEW "D")



DETAIL OF "Q"



DETAIL OF PAD



5	PAD	10t PLATE	SS400	2	1.0	
4	상부 LUG	65 X 9t F.B	SS400	2	1.7	
3	하부 LUG	65 X 65 X 6t E.A	SS400	2	7.0	
2	STEP	22 SQ.BAR	SS400	5	7.5	
1	SIDE FRAME	65 X 9t F.B	SS400	2	14.2	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF VERTICAL LADDER

SHIP NO.	8164 - 8169	03
DWG NO.	T26T0-B21-56BB	

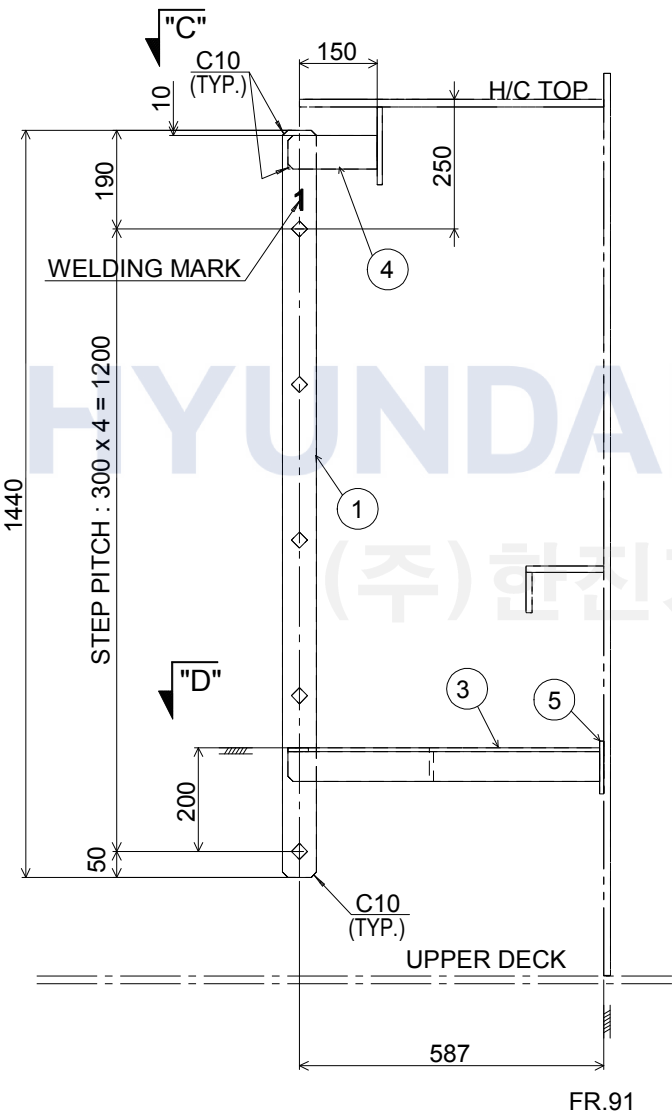
STEP PITCH가 300mm 임에 주의하여 제작할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
C16P0	VL-H02P	1	38.3	본도제작
C16S0	VL-H02S	1	38.3	대칭제작

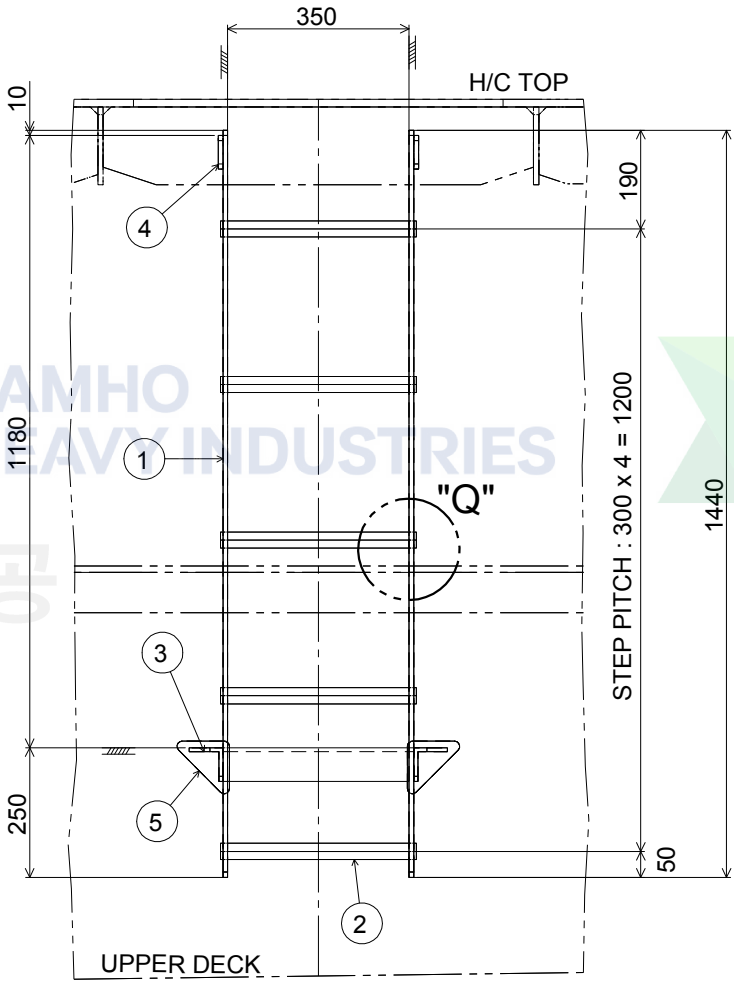
※ PAINT CODE : P1

C16P0
C16S0

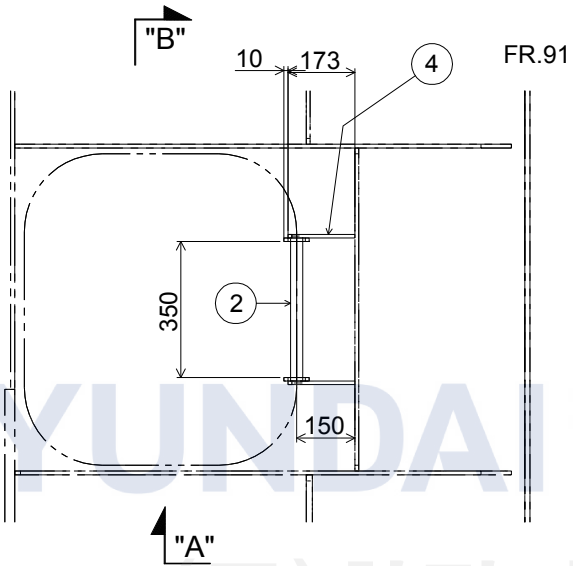
VIEW - "A"



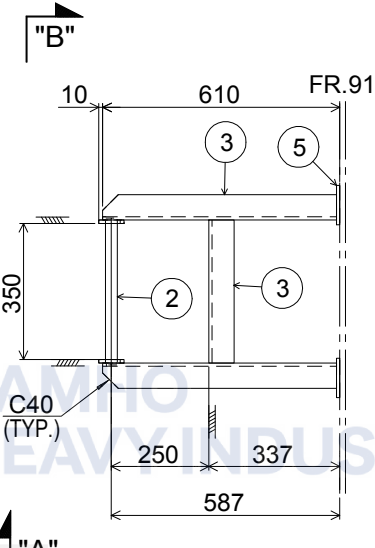
VIEW - "B"



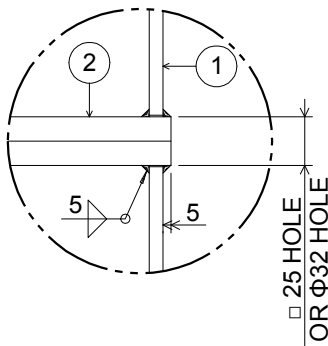
PLAN
(VIEW "C")



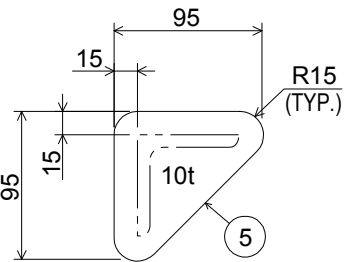
PLAN
(VIEW "D")



DETAIL OF "Q"



DETAIL OF PAD



5	PAD	10t PLATE	SS400	2	1.0	
4	상부 LUG	65 X 9t F.B	SS400	2	1.7	
3	하부 LUG	65 X 65 X 6t E.A	SS400	3	13.9	
2	STEP	22 SQ.BAR	SS400	5	7.5	
1	SIDE FRAME	65 X 9t F.B	SS400	2	14.2	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF VERTICAL LADDER

SHIP NO. 8164 - 8169

04

DWG NO. T26T0-B21-56BB

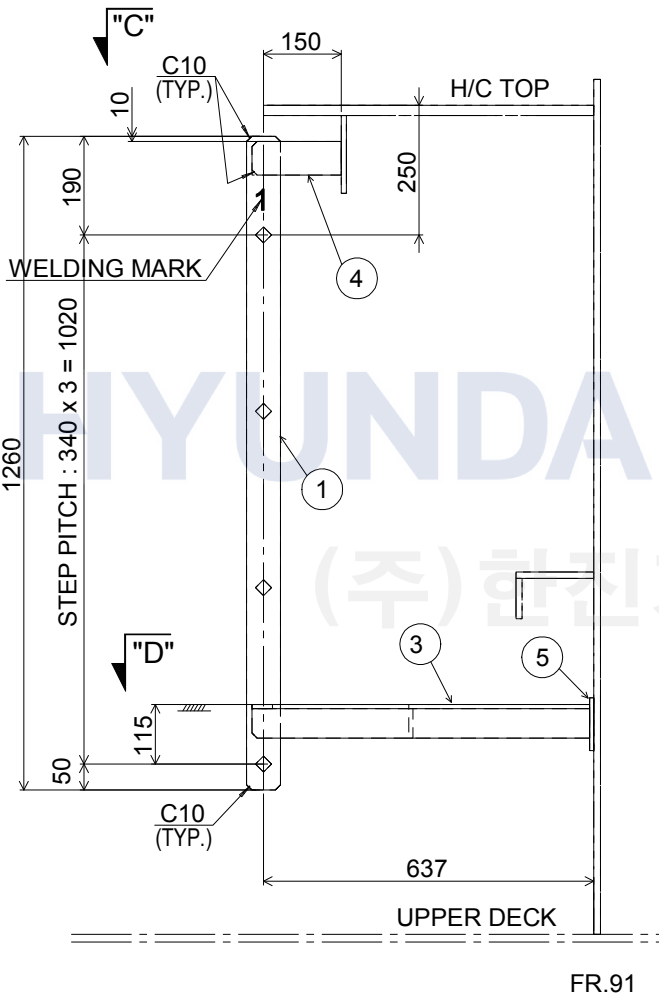
STEP PITCH가 340mm 임에 주의하여 제작할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
C15C0	VL-H03P	1	35.6	본도제작
C15C0	VL-H03S	1	35.6	본도제작

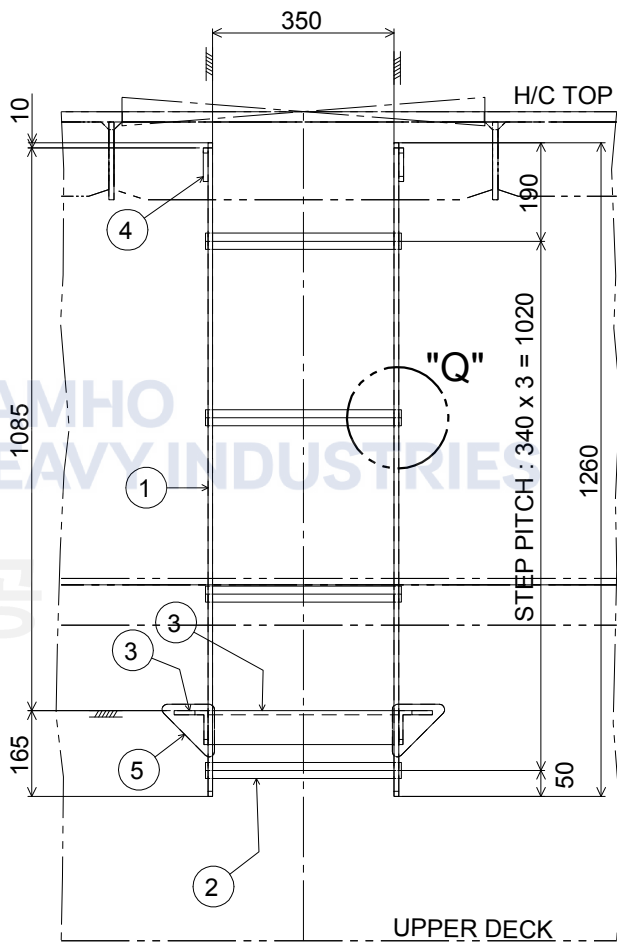
※ PAINT CODE : P1

C15C0

VIEW - "A"

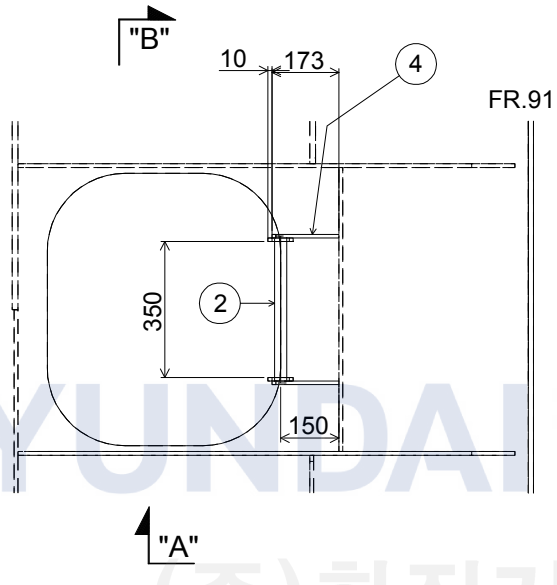


VIEW - "B"



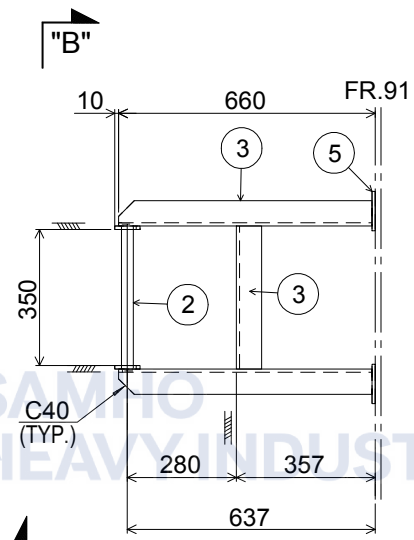
PLAN

(VIEW "C")

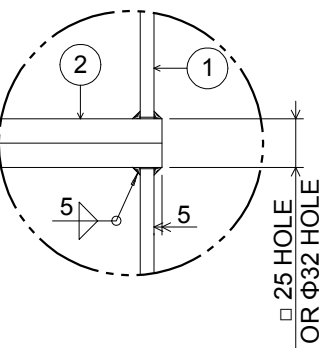


PLAN

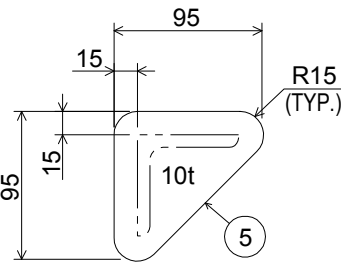
(VIEW "D")




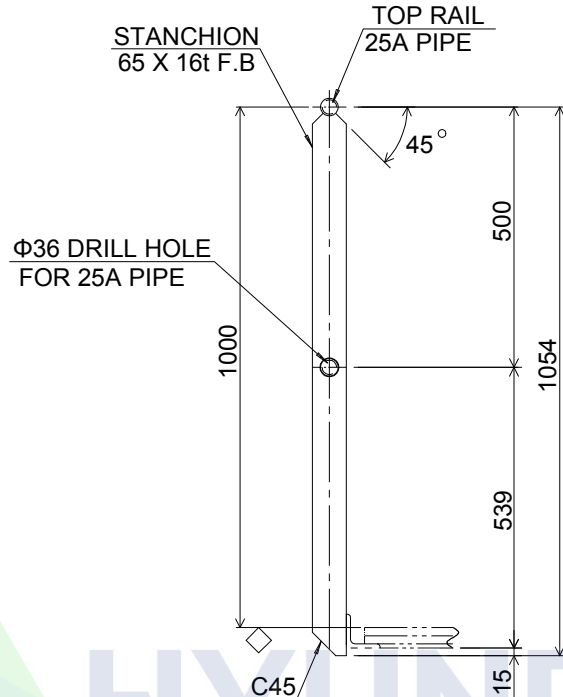
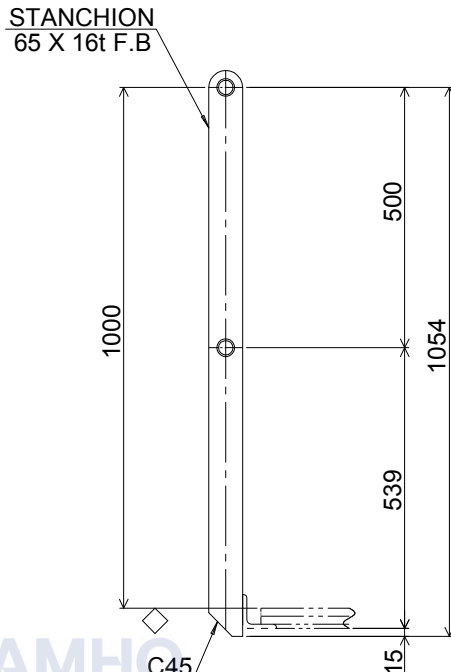
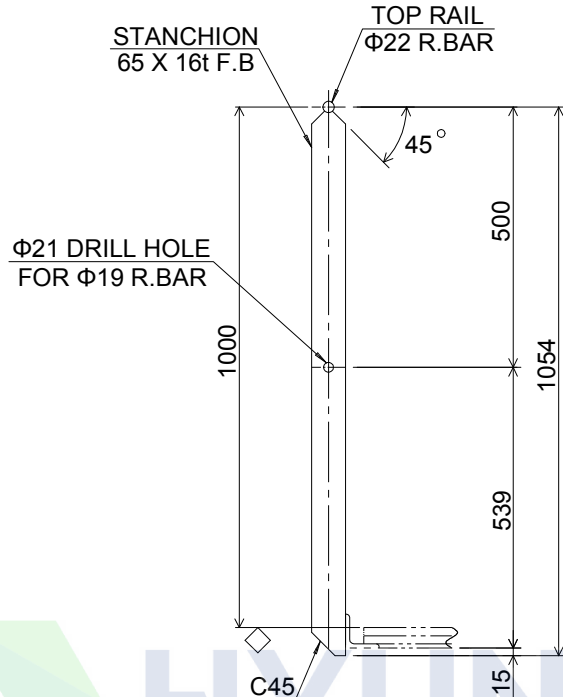
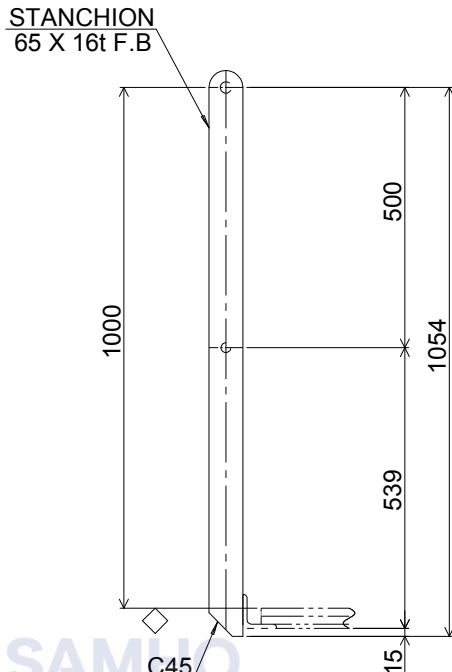
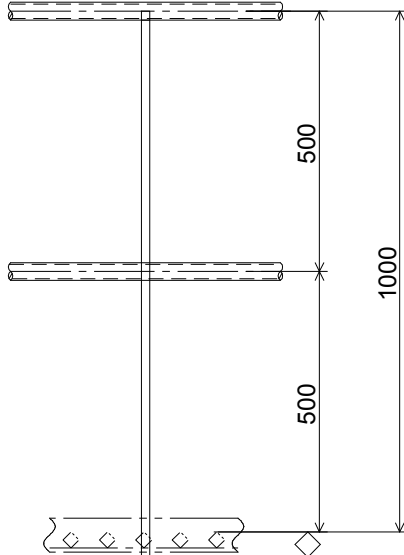
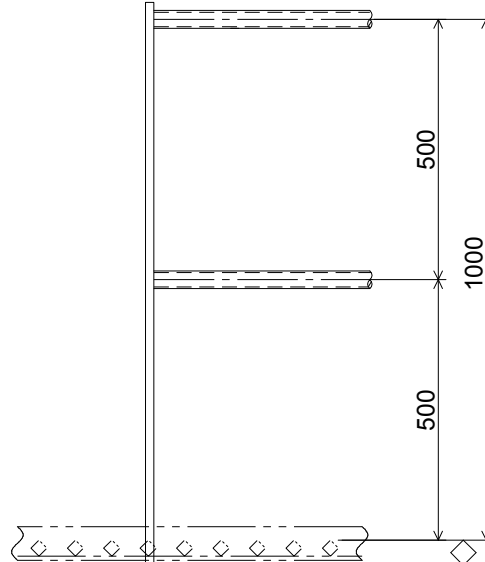
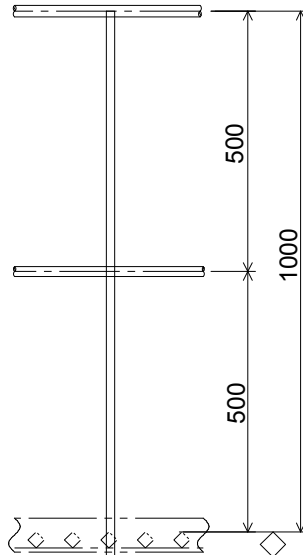
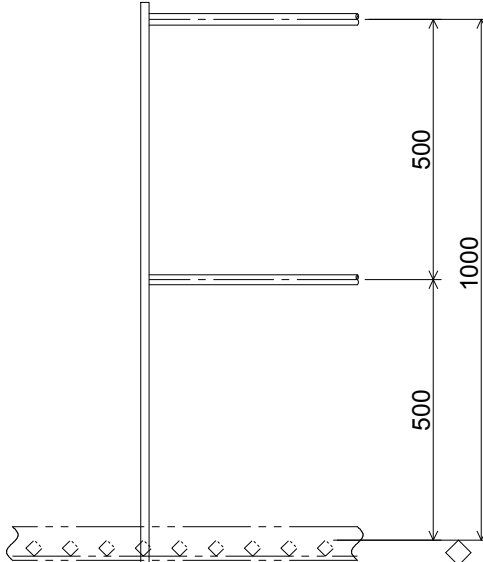
DETAIL OF "Q"



DETAIL OF PAD



5	PAD	10t PLATE	SS400	2	1.0	
4	상부 LUG	65 X 9t F.B	SS400	2	1.7	
3	하부 LUG	65 X 65 X 6t E.A	SS400	3	14.3	
2	STEP	22 SQ.BAR	SS400	4	6.0	
1	SIDE FRAME	65 X 9t F.B	SS400	2	12.6	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

	DETAIL OF STANCHION FOR PLATFORM (PF-CXX)		DETAIL OF STANCHION FOR PLATFORM (PF-HXX)		SHIP NO.	8164 - 8169	05
					DWG NO.	T26T0-B21-56BB	
TYPE - MC		TYPE - EC		TYPE - MH		TYPE - EH	
<div><p>(MID STANCHION에 적용)</p></div>		<div><p>(END STANCHION에 적용)</p></div>		<div><p>(MID STANCHION에 적용)</p></div>		<div><p>(END STANCHION에 적용)</p></div>	
<div></div>		<div></div>		<div></div>		<div></div>	
TOP/MID RAIL : 25A PIPE		TOP/MID RAIL : 25A PIPE		TOP RAIL : 22 R.BAR		STANCHION : 65 X 16t F.B	
STANCHION : 65 X 16t F.B		STANCHION : 65 X 16t F.B		MID RAIL : 19 R.BAR			

08164-T26T0B2156BB-005



DETAIL OF PLATFORM

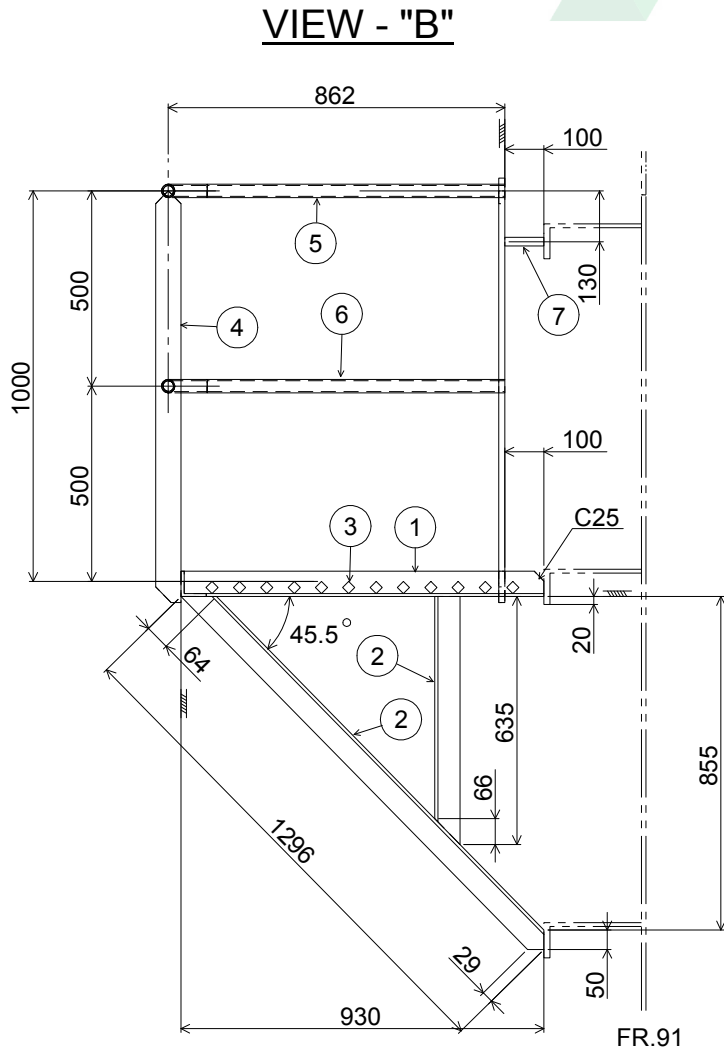
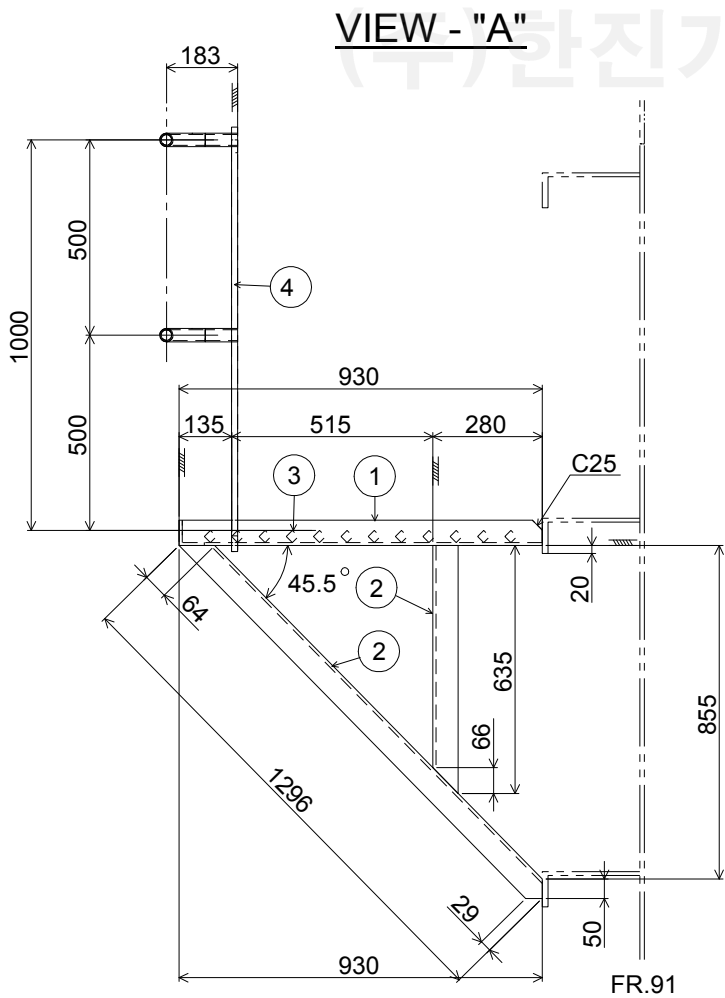
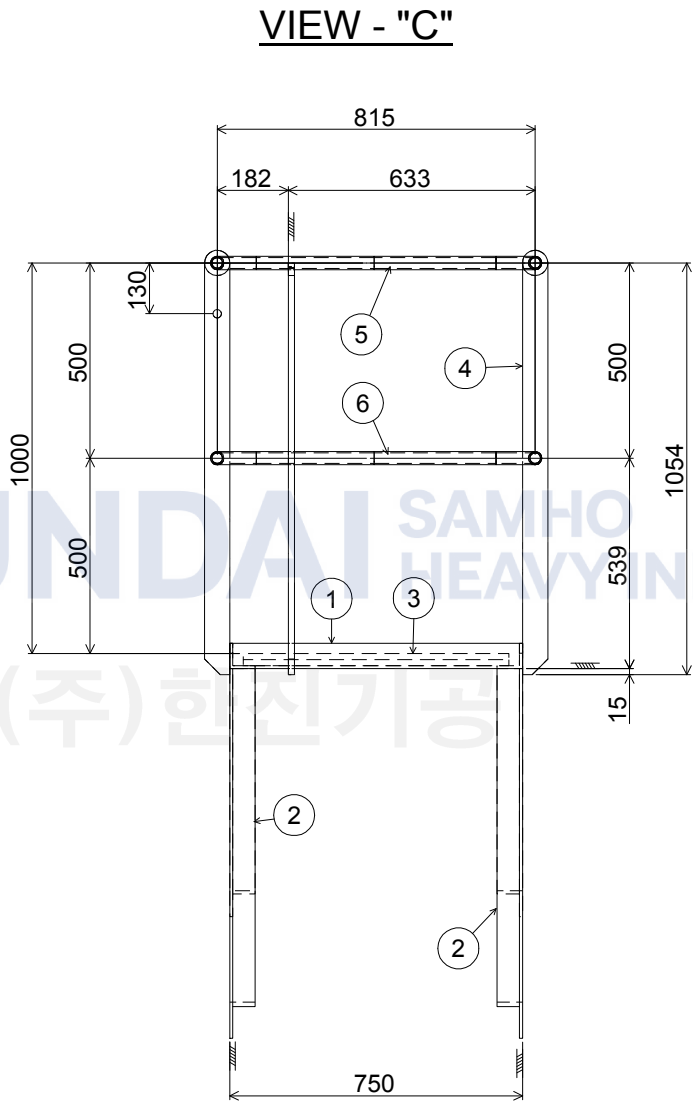
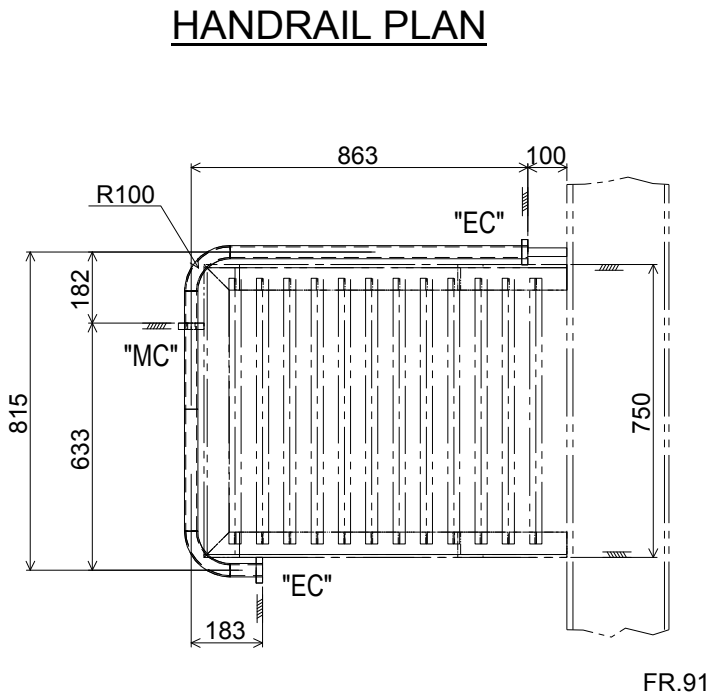
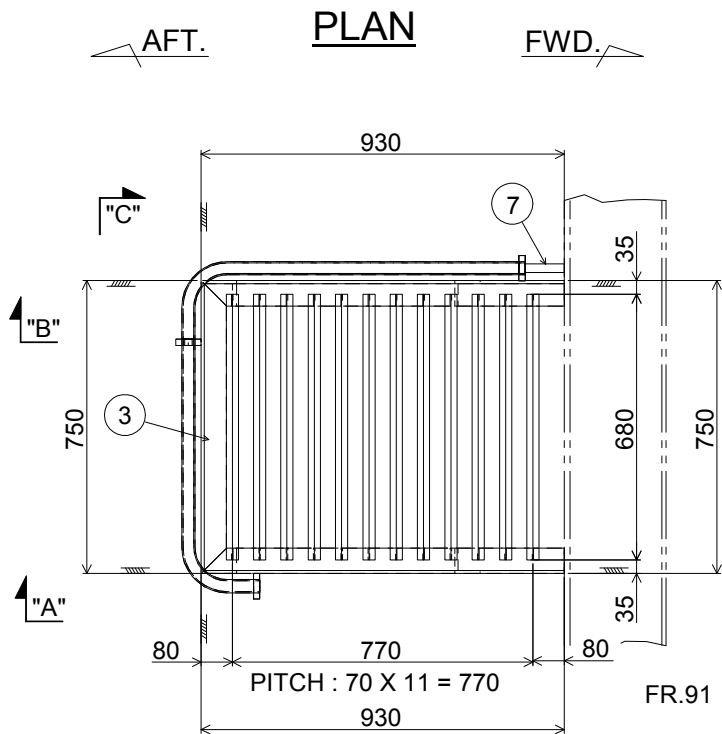
SHIP NO.	8164 - 8169	06
DWG NO.	T26T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T26C0	PF-C01P	1	118.3	본도제작

※ PAINT CODE : P1

NOTE

1. 본도는 PORT SIDE 를 나타냈었음
2. STANCHION 제작시 05 PAGE 참조하여 제작할 것.
3. ANTI-VIB. PIECE는 정위치 제작 할 것.

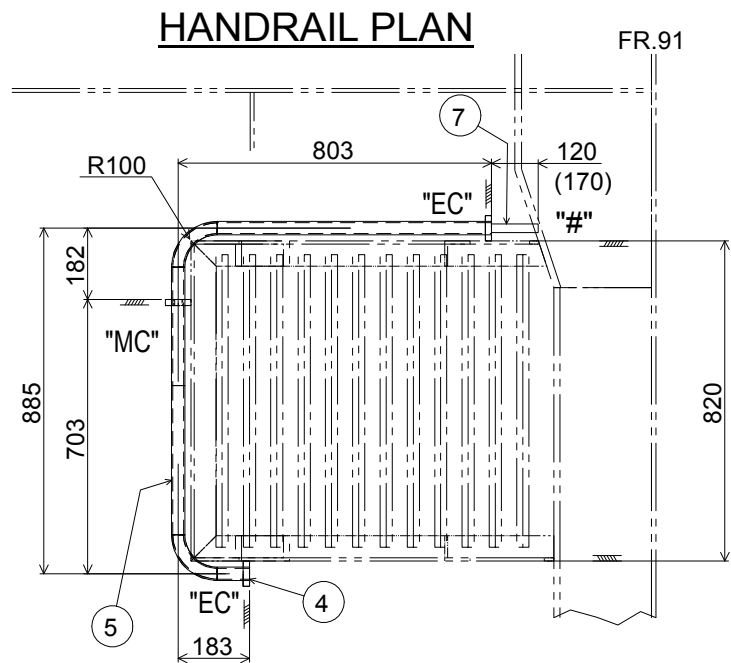
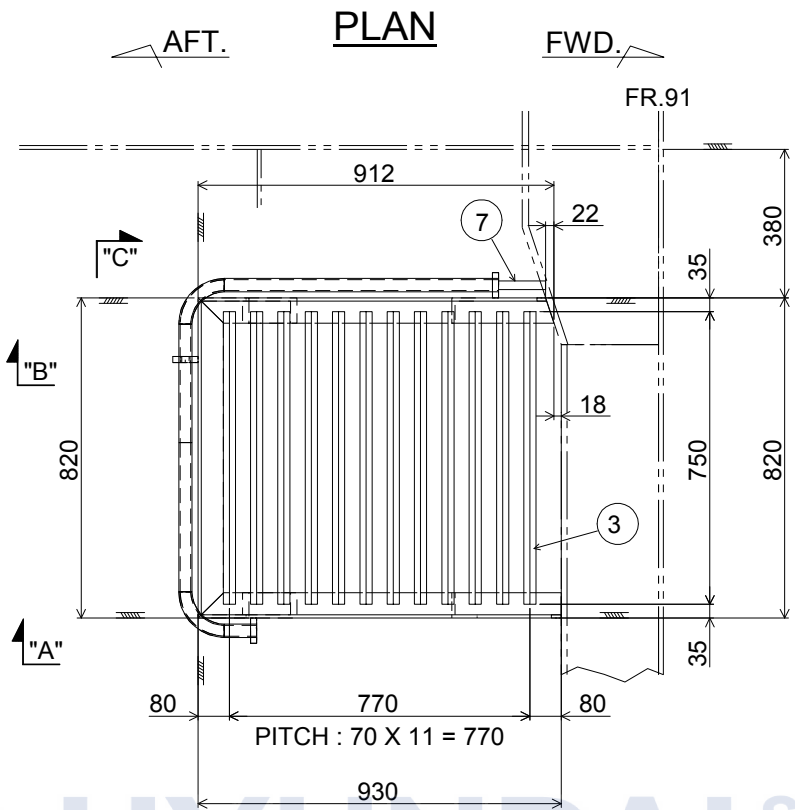


7	ANRI-VIB. PIECE	Φ22 R.BAR	SS400	1	0.4	
6	MID RAIL	25A PIPE	SPP	1	4.8	
5	TOP RAIL	25A PIPE	SPP	1	4.8	
4	STANCHION	65 X 16t F.B	SS400	3	24.0	
3	STEP	22 SQ.BAR	SS400	12	32.4	
2	SUPPORT	65 X 65 X 8t E.A	SS400	4	30.4	
1	SIDE FRAME	65 X 65 X 8t E.A	SS400	1	21.5	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF PLATFORM

SHIP NO.	8164 - 8169	07
DWG NO.	T26T0-B21-56BB	

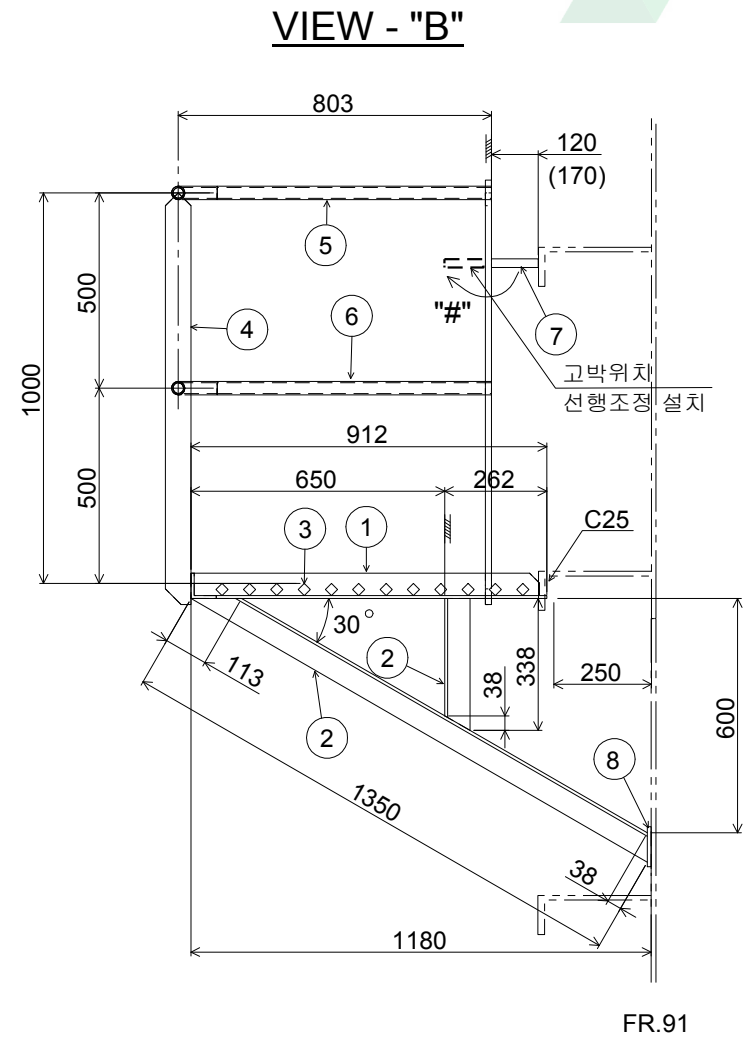
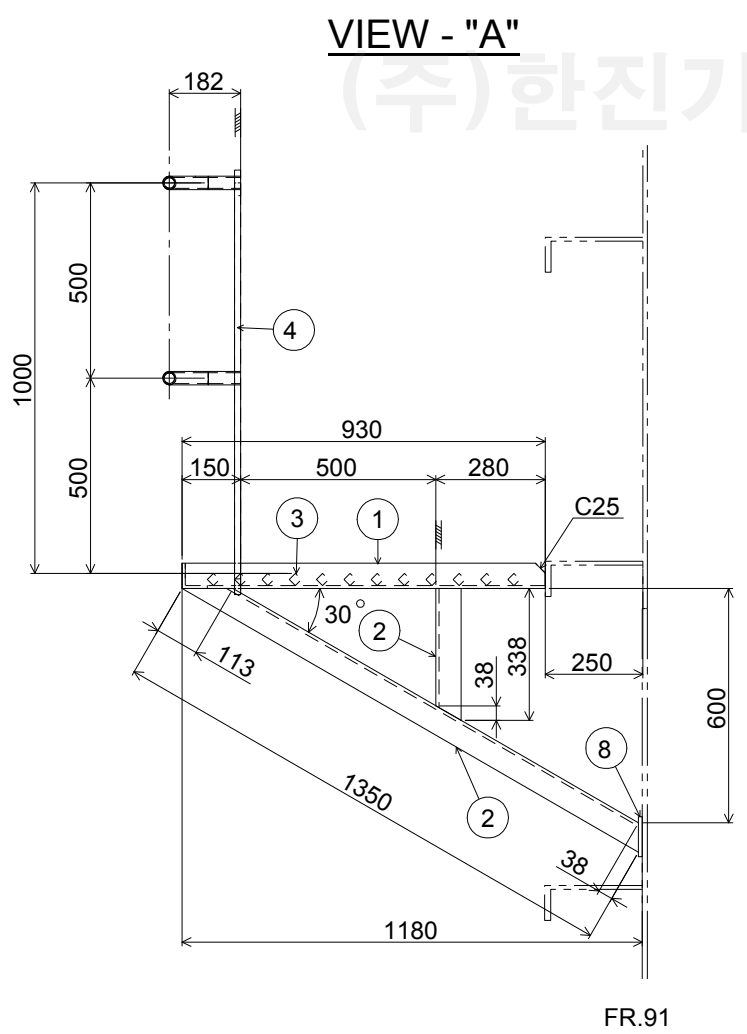
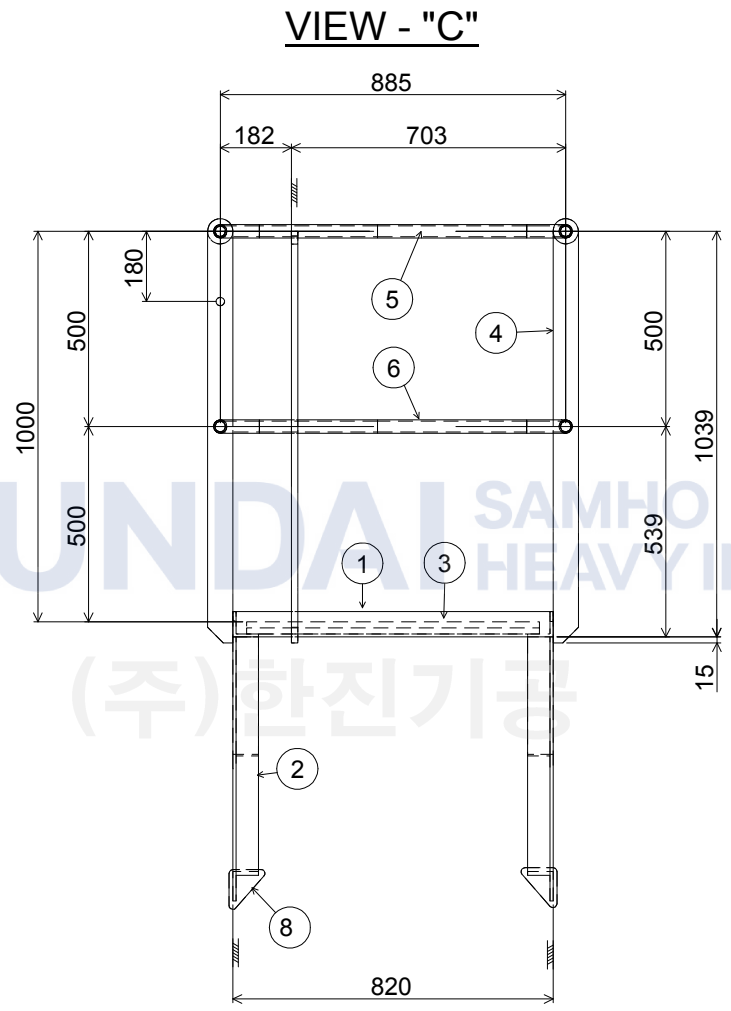


NOTE

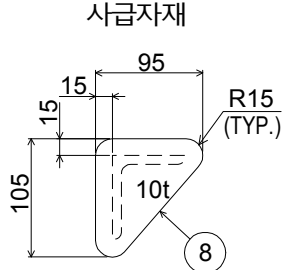
1. 본도는 PORT SIDE 를 나타냈었음
2. STANCHION 제작시 05 PAGE 참조하여 제작할 것.
3. "#" MARK ANTI-VIB. PIECE는 고박 입고 후
선행 조정설치 () 안의 치수가 MARGIN 포함 이며,
필히 () 안의 치수대로 제작할 것.
4. P/F FRAME 제작시 선각부재가 다르므로 주의.
5. P/F용 SUPPORT에 적용되는 "PAD" 재질에 주의.(E-GRADE)

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T26C0	PF-C02P	1	117.8	본도제작

※ PAINT CODE : P1



DETAIL OF PAD



8	PAD (SUPPORT)	10t PLATE	E-GREAD	2	1.5	사급자재
7	ANRI-VIB. PIECE	Φ22 R.BAR	SS400	1	0.4	고박 입고
6	MID RAIL	25A PIPE	SPP	1	4.8	
5	TOP RAIL	25A PIPE	SPP	1	4.8	
4	STANCHION	65 X 16t F.B	SS400	3	24.0	
3	STEP	22 SQ.BAR	SS400	12	36.0	
2	SUPPORT	65 X 65 X 8t E.A	SS400	4	25.8	
1	SIDE FRAME	65 X 65 X 8t E.A	SS400	1	21.5	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

08164-T26T0B2156BB-007



DETAIL OF PLATFORM

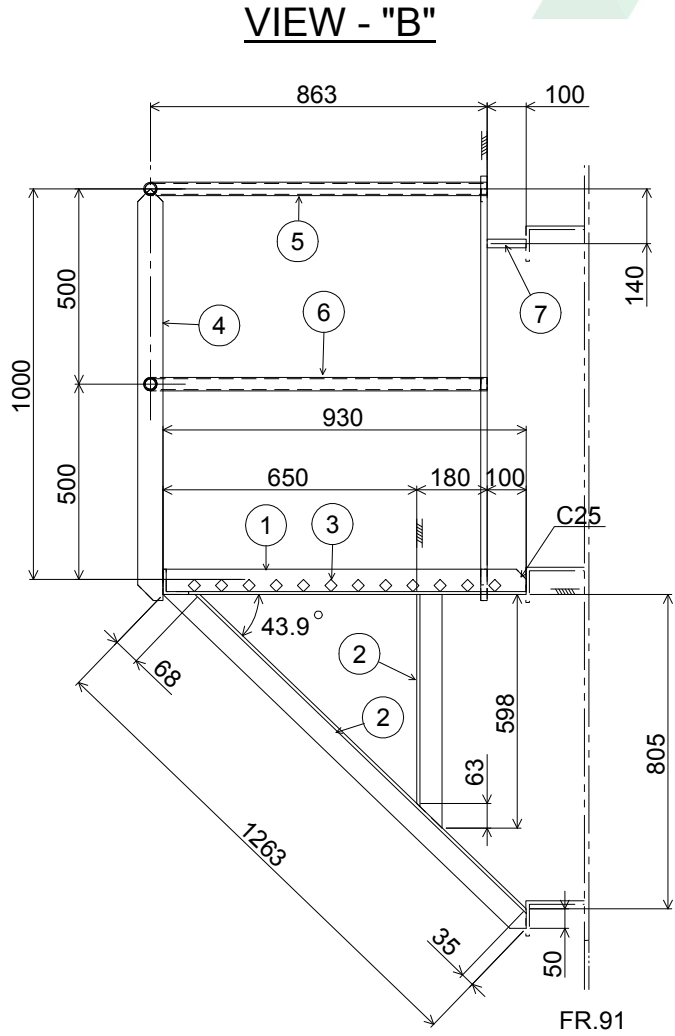
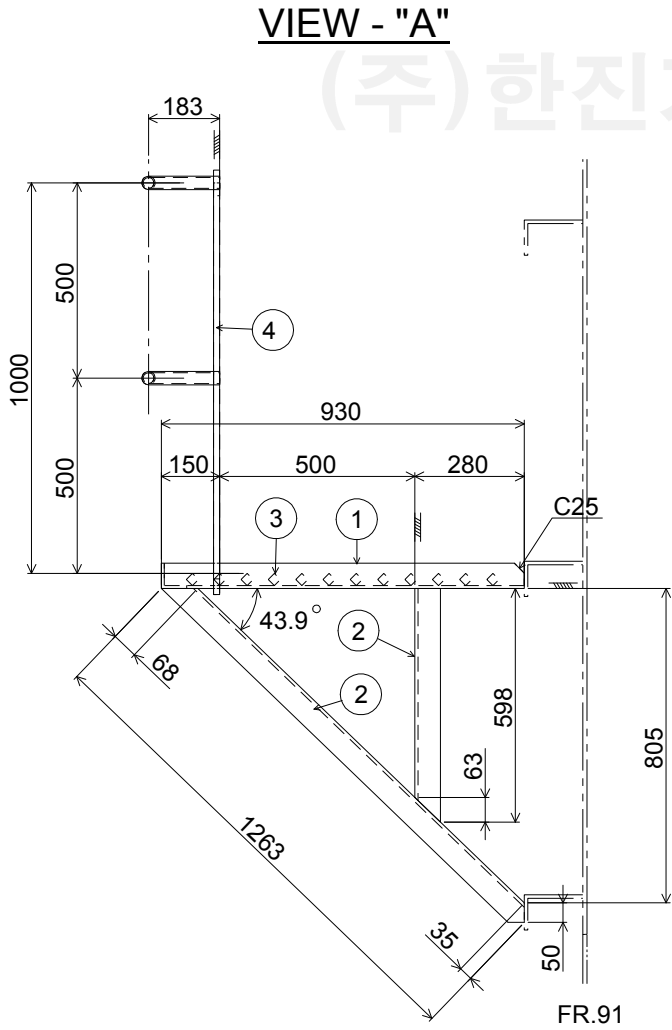
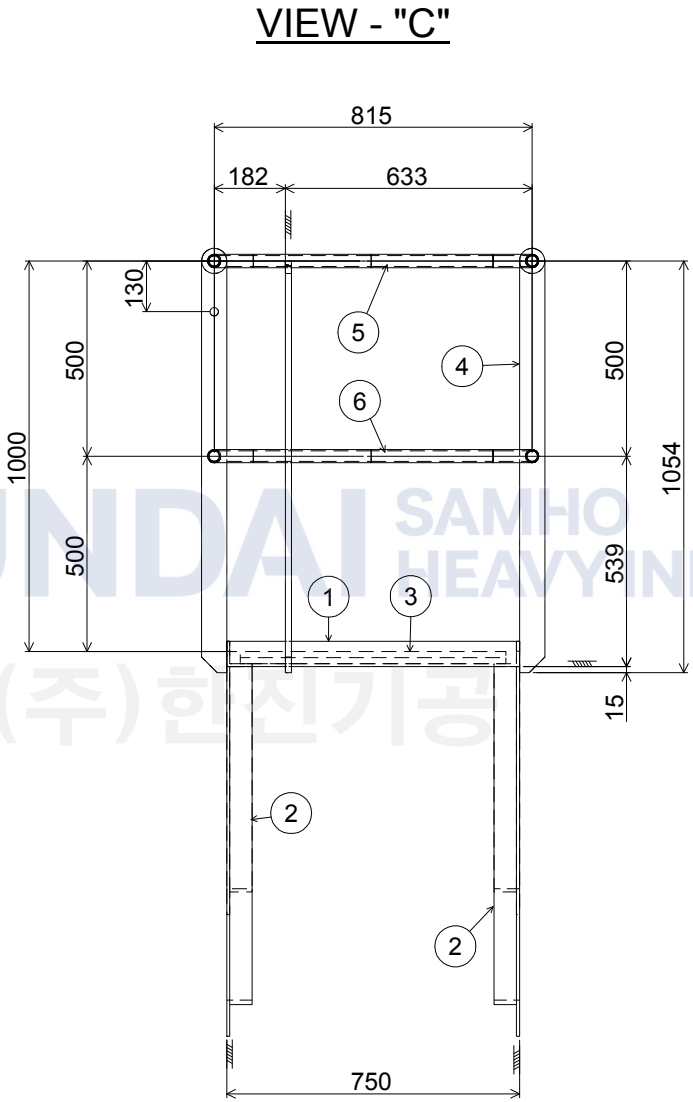
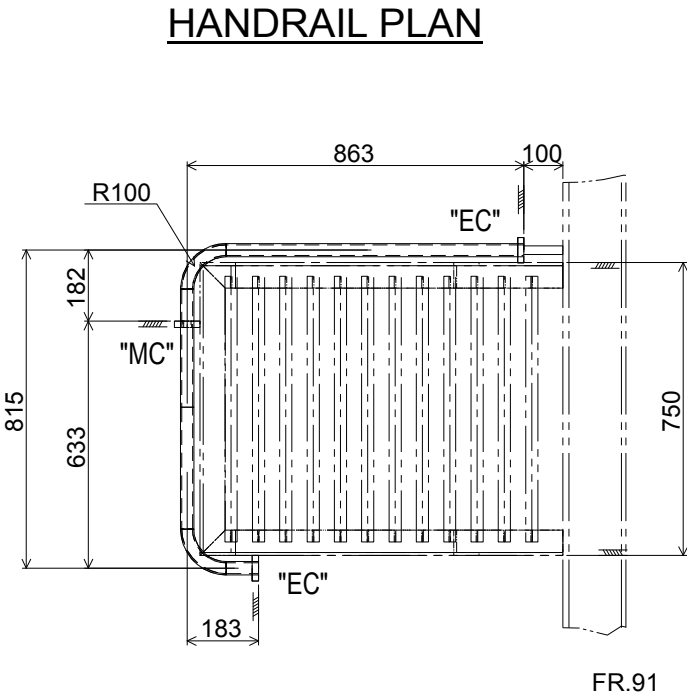
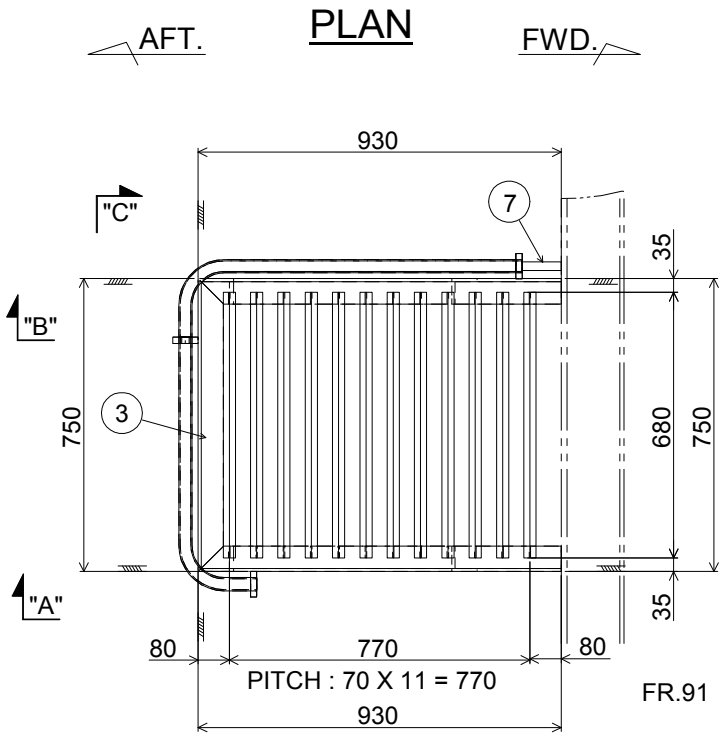
SHIP NO.	8164 - 8169	08
DWG NO.	T26T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T46C0	PF-C03P	1	117.3	본도제작

※ PAINT CODE : P1

NOTE

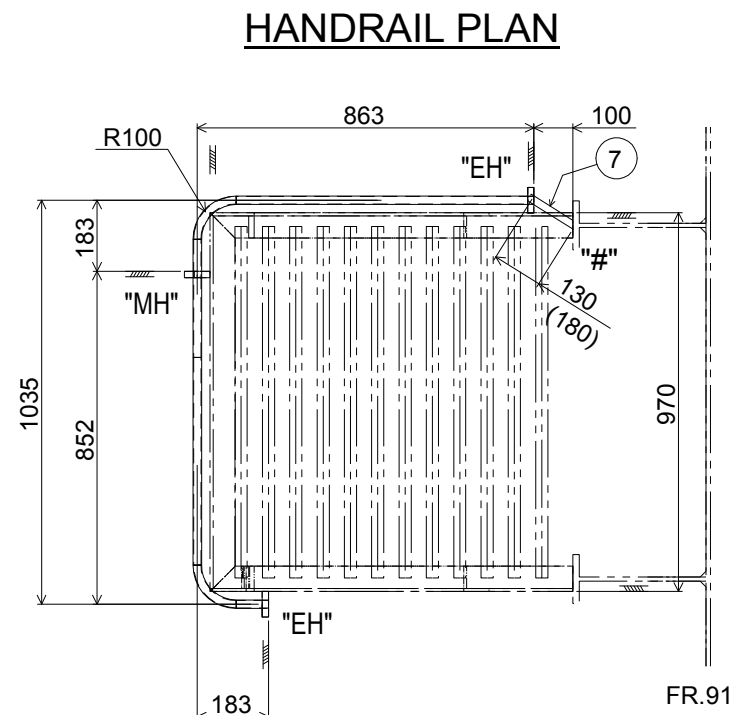
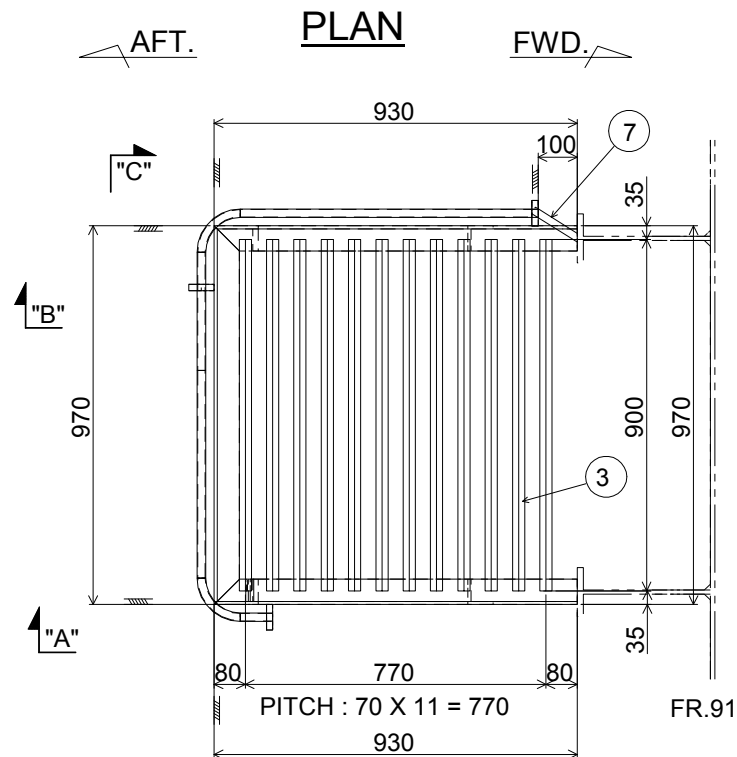
1. 본도는 PORT SIDE 를 나타냈었음
2. STANCHION 제작시 05 PAGE 참조하여 제작할 것.
3. ANTI-VIB. PIECE는 정위치 제작 할 것.



7	ANRI-VIB. PIECE	Φ22 R.BAR	SS400	1	0.4	
6	MID RAIL	25A PIPE	SPP	1	4.8	
5	TOP RAIL	25A PIPE	SPP	1	4.8	
4	STANCHION	65 X 16t F.B	SS400	3	24.0	
3	STEP	22 SQ.BAR	SS400	12	32.4	
2	SUPPORT	65 X 65 X 8t E.A	SS400	4	29.4	
1	SIDE FRAME	65 X 65 X 8t E.A	SS400	1	21.5	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



SHIP NO.	8164 - 8169	09
DWG NO.	T26T0-B21-56BB	

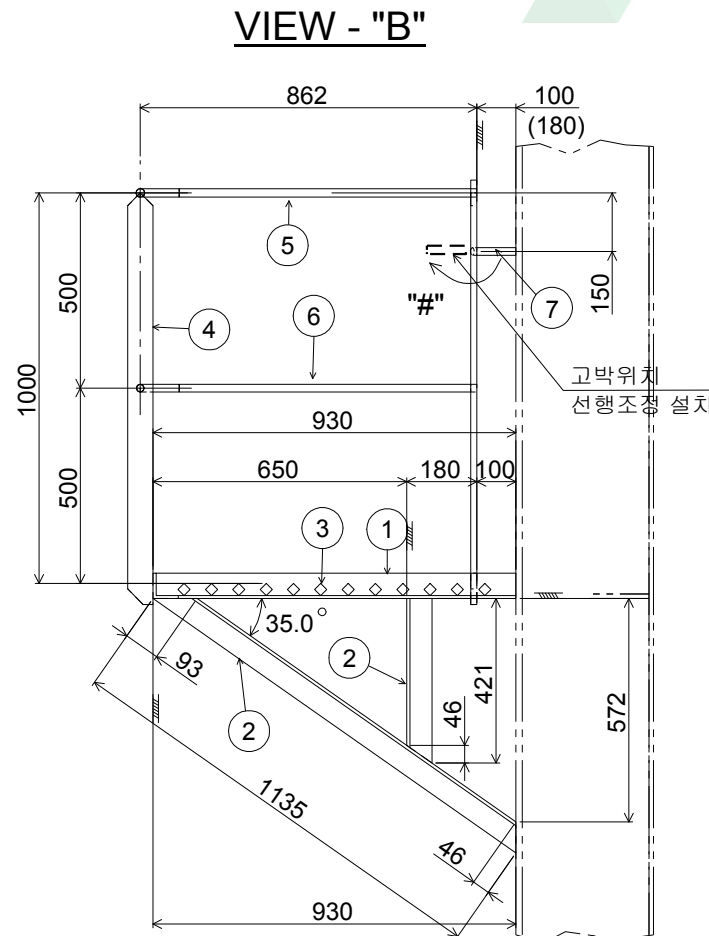
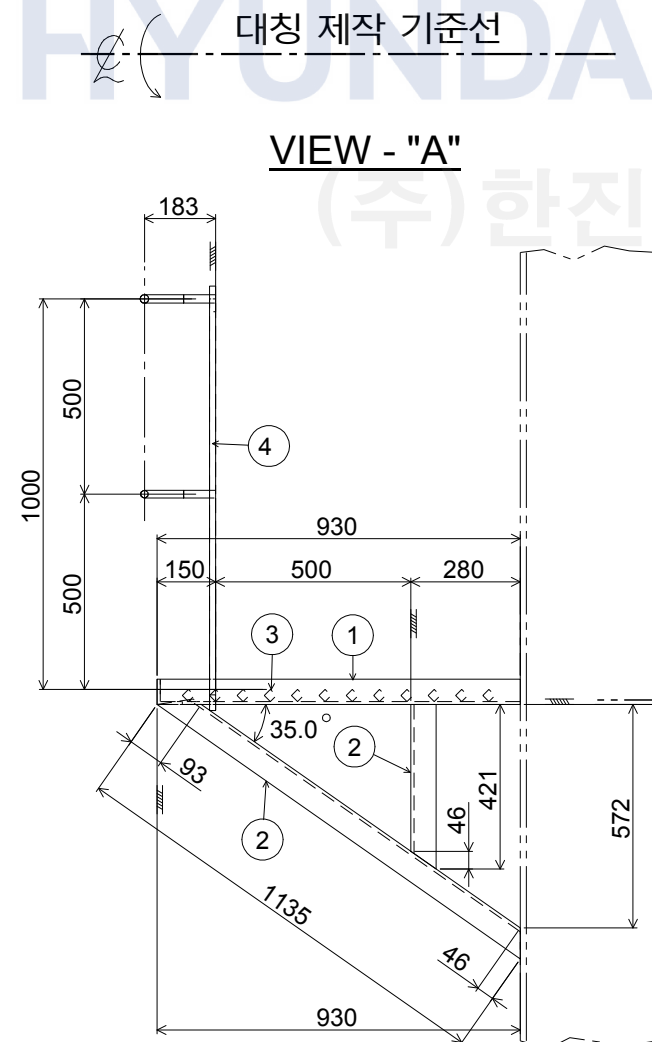
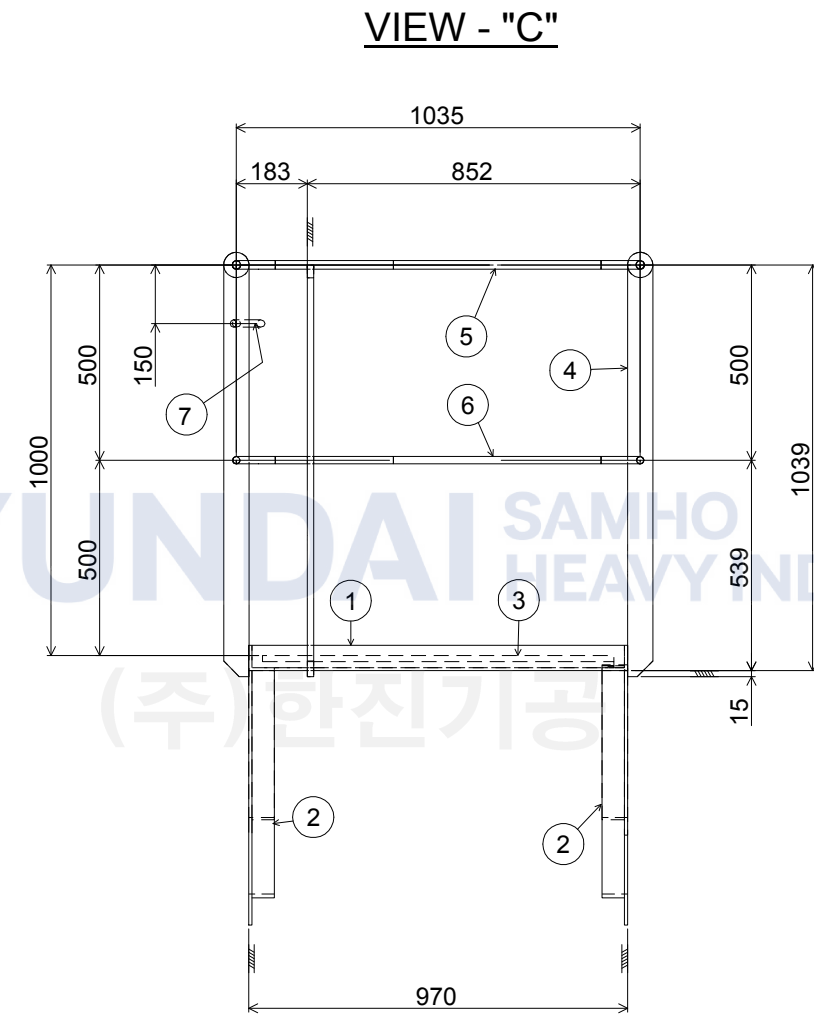


NOTE

1. 본도는 PORT SIDE 를 나타냈었으며,
STB'D SIDE는 대칭 제작할 것.
2. STANCHION 제작시 05 PAGE 참조하여 제작할 것.
3. "#" MARK ANTI-VIB. PIECE는 고박 입고 후
선행 조정설치 ()안의 치수가 MARGIN 포함 이며,
필히 ()안의 치수대로 제작할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T86P0	PF-H01P	1	124.9	본도제작
T86S0	PF-H01S	1	124.9	대칭제작

※ PAINT CODE : Z0



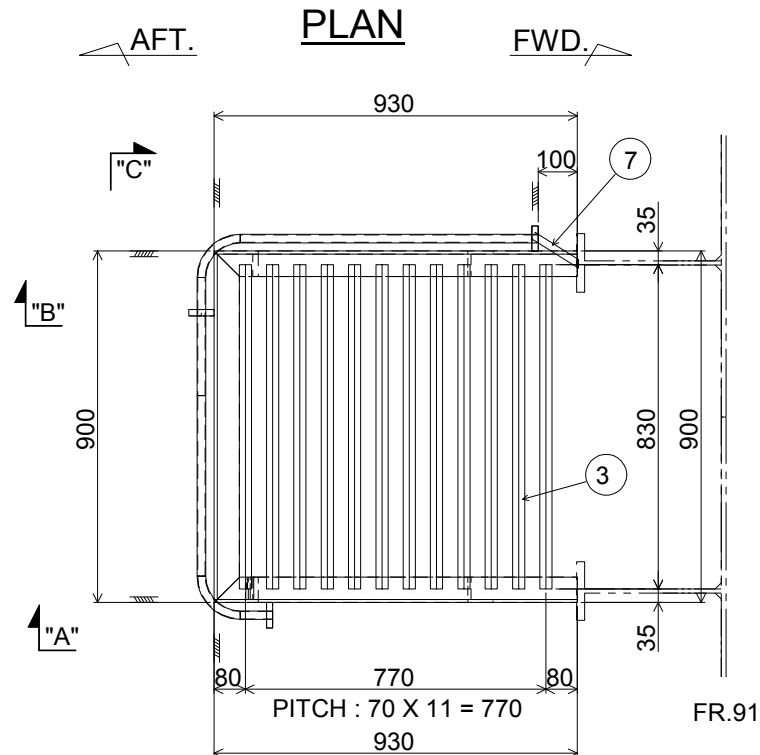
※ TOP RAIL(Ø22 R.B), MID RAIL(Ø19 R.B) 임에 주의하여 제작할 것.

7	ANRI-VIB. PIECE	Φ22 R.BAR	SS400	1	0.6	고박 입고
6	MID RAIL	Φ19 R.BAR	SS400	1	4.9	
5	TOP RAIL	Φ22 R.BAR	SS400	1	6.3	
4	STANCHION	65 X 16t F.B	SS400	3	24.0	
3	STEP	22 SQ.BAR	SS400	12	42.0	
2	SUPPORT	65 X 65 X 8t E.A	SS400	4	24.4	
1	SIDE FRAME	65 X 65 X 8t E.A	SS400	1	22.7	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

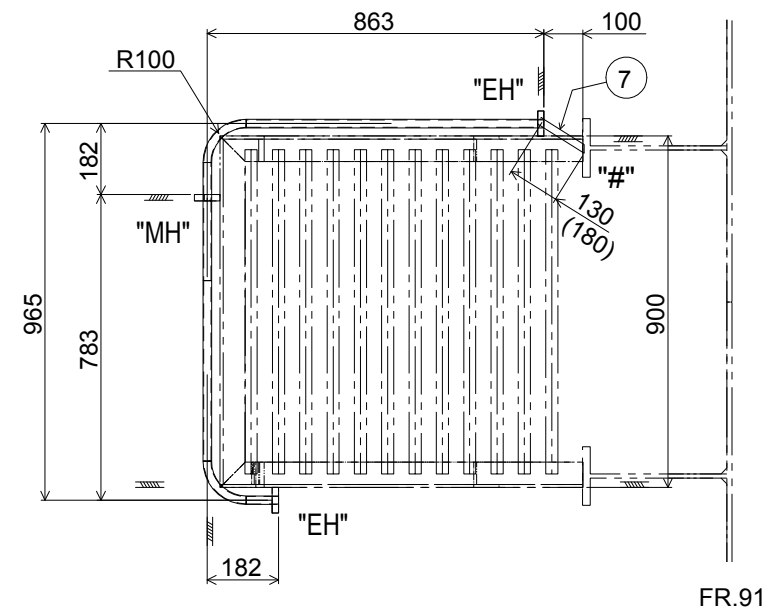


SHIP NO.	8164 - 8169	10
DWG NO.	T26T0-B21-56BB	

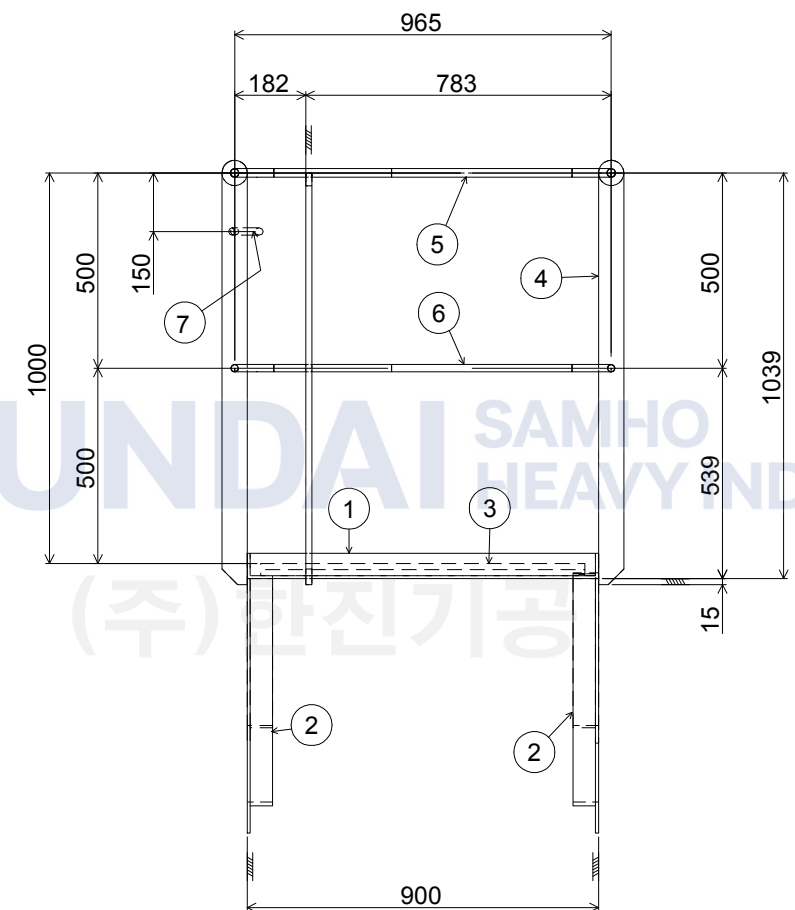
PLAN



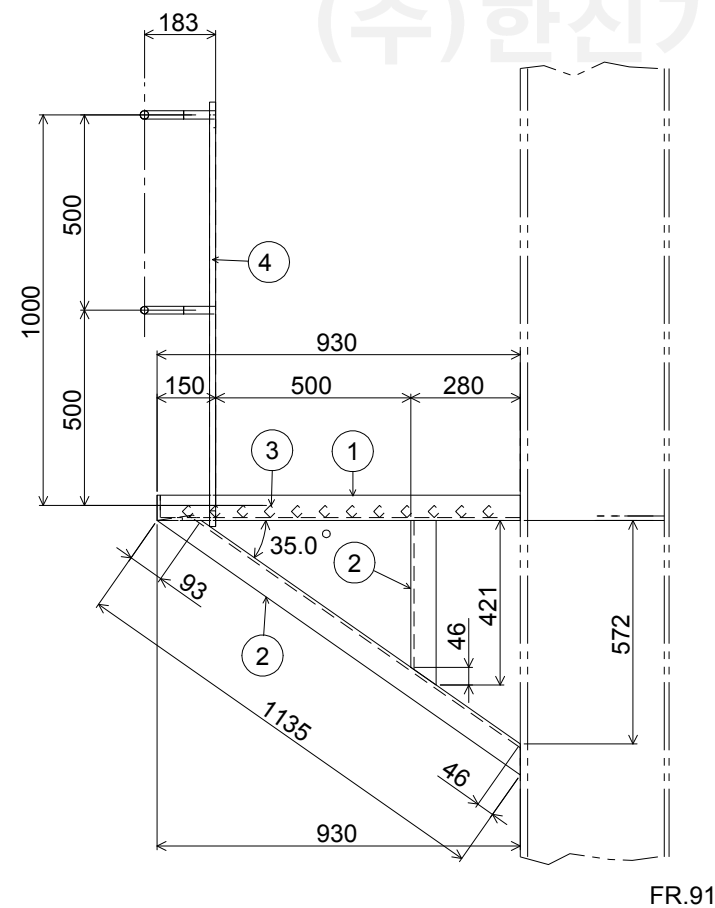
HANDRAIL PLAN



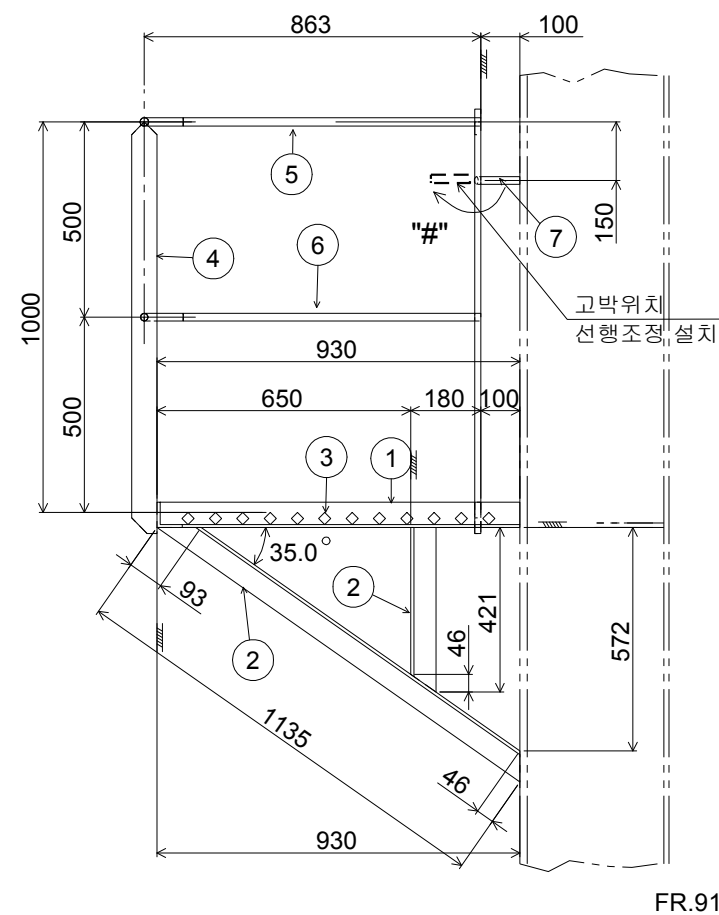
VIEW - "C"



VIEW - "A"



VIEW - "B"



NOTE

1. 본도는 PORT SIDE 를 나타냈었으며,
STB'D SIDE는 대칭 제작할 것.
2. STANCHION 제작시 05 PAGE 참조하여 제작할 것.
3. "#" MARK ANTI-VIB. PIECE는 고박 입고 후
선행 조정설치 ()안의 치수가 MARGIN 포함이며,
필히 ()안의 치수대로 제작할 것.

※ PAINT CODE : Z0

※ TOP RAIL(Ø22 R.B), MID RAIL(Ø19 R.B) 임에 주의하여 제작할 것.

7	ANRI-VIB. PIECE	Φ22 R.BAR	SS400	1	0.6	고박 입고
6	MID RAIL	Φ19 R.BAR	SS400	1	4.7	
5	TOP RAIL	Φ22 R.BAR	SS400	1	6.1	
4	STANCHION	65 X 16t F.B	SS400	3	24.0	
3	STEP	22 SQ.BAR	SS400	12	38.4	
2	SUPPORT	65 X 65 X 8t E.A	SS400	4	24.4	
1	SIDE FRAME	65 X 65 X 8t E.A	SS400	1	21.7	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK