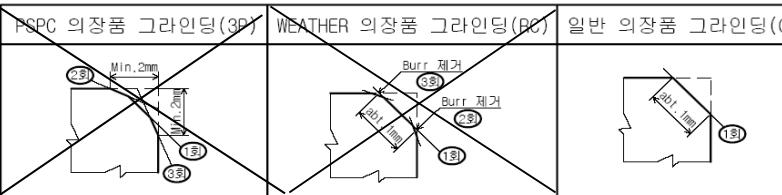


PLAN HISTORY					
DATE	REV. NO.	DESCRIPTION	DRAWN	CHECKED	APPROVED
2022. 12. 21	O	8150 / 8151 호선 LADDER & PLATFORM (NO.3F HOLD ~ NO.1F HOLD) 제작 도면으로 작성함.	김남곤	전성제	이석동

NOTE

1. 본도는 LADDER & PLATFORM (NO.3F HOLD ~ NO.1F HOLD) 제작 도면임.

2. 모서리 부분은 하기와 같이 GRINDING 할 것.



3. 용접은 특기외 하기 표 참조하고 연속 용접 할 것.

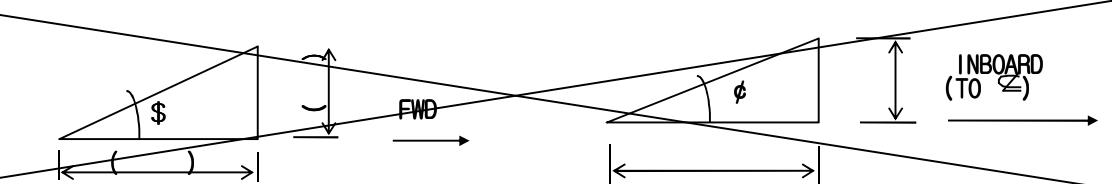
* THE LEG LENGTH OF FILLET WELD TO BE AS FOLLOWS.

MAT'L THICKNESS	4.5	6	7~8	9~10	11~12	13	14~15	16~18	19~20
LEG LENGTH	3	4	4.5	5	5.5	6	7	7.5	9

4. 제작 시 DECK 상의 SHEER (\$: /)와 CAMBER (φ : /)를 필히 적용할 것.

SHEER :

CAMBER :



5. 한 도면에서 서로 상이부분이 있거나 제작상 문제점 발생시 필히 당부와 협의/확인 후 제작 완료할 것.

6. 본 도면상에 표기된 자재 중 SS400, 단조품(SF자재) 및 용접되는 주강품(SC42)은 탄소(C) 함유량이 0.23% 이하가 되어야 함에 유의할 것 (자재 MILL SHEET 제출 요). 또한, 주강품은 용접 시 PRE-HEATING(200°C) 한 후 용접하여 용접균열을 방지할 것.

7. BOLT 길이는 NUT 체결후 ABT. 2-3 산이 남도록 할 것.

8. 이름/경고판 시공기준 : 모든 이름/경고판은 전면에 페인트나 신나에 녹지 않는 비닐테이프를 부착한 상태로 뒤집어 조립하고, 그 후면에 도어 또는 벤트(VENT) 이름을 매직펜으로 기록하여 입력하고, 애드에서 정방향 설치시 나사판의 위치가 불일치 되지 않도록 구멍의 간격을 잘 유지하여 입고 할 것.

(이름, 경고판 재질: SUS316 & SUS316 SCREW BOLT)

9. 그리스 니쁠 : JIS B 1571 A-PT 1/8" BALL TYPE 러버캡을 씌울것(MAT'L : BRASS)

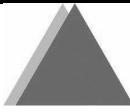
10. P.O.R NO. : JD5

11. TOTAL WEIGHT : 1076.3 KG/SHIP

(표지 포함 18 매)

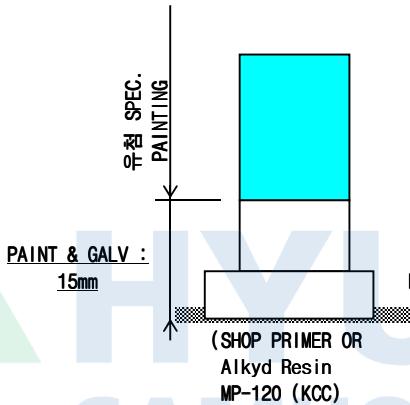
PAINTING SPEC.				PAINT SUPPLIER			
PAINT'G SYMBOL	PAINT ITEM OR AREA	MAT'L	SHOP PRIMER	표면 처리	BRAND NAME OF PAINT AND ITS COLOR SHADE	D.F.T (μ)	REMARK
ITEM	IN SIDE & OUT SIDE			IN SIDE	OUT SIDE		
ALL	FINAL	SHOP PRIMER	PRIMER				

DEPT.	SHIP NO.	SHIP TYPE
B026	8150 / 8151	15,600 TEU CLASS CONTAINER CARRIER
TEL.	부서명	도면 명
2893	선 장 설 계 부	
승 인	이 석 동	LADDER & PLATFORM 제작도 (NO.3F HOLD ~ NO.1F HOLD)
검 도	전 성 제	
작 성	김 남 곤	
HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD. SAMHO SHIPYARD, KOREA		도면 번호 T24T0-B21-56BB - 0
		날 짜 2022. 12. 21



製作仕様書(외주구매용)

1. GALV. 두께 : HOT DIP GALV. 55~80 μ (단, BOLT/NUT류는 45~65 μ 시공)
 2. GREASE NIPPLE은 FULL GREASING하고 규정된 고무 CAP을 씌울것.
 3. SS400이 아닌 재질의 BOLT/NUT는 재질을 PUNCHING할것.
 4. 도장 : 유첨 SPEC.에 준하되 특히 DECK에 취부되는 부위는
DECK OR WALL에서 15mm까지는 SHOP PRIMER 시공할 것.
 5. HOT GALV. : DECK/WALL에서 취부되는 부위는 DECK/WALL에서 15mm까지는
Alkyd Resin MP-120(KCC) Coating 하여 도금이 되지 않도록 할것.



6. GALV. 용 HOLE 시공할 경우는 GALV. 후 메공하고 GALV. 손상부위 수정 후 입고할 것.
 7. 납품 시 P.O.R SHEET와 유첨도를 첨부할 것.
 8. MAKER CERTIFICATE (특수재료는 MILL SHEET) 를 첨부할 것.
 9. 무도장으로 입고되는 품목으로서 그 품목의 일부분이 도금이 되어있는 경우는 SHOT BLASTING으로부터 도금부분이 훼손되지 않도록 보호 MASKING을 하여 입고할 것.
(단, 도금표면에 다시 PAINTING하는 경우는 제외됨)
 10. 의장품 자재 PALLET 고박용 번선 및 고박 ITEM에 대한 둑음 WIRE(철사)는 필히 부식 방지용 COATING WIRE를 사용하여 입고시킬 것.
 11. 의장품 자재 입고시 상.하.좌.우로 움직일수 있는 항목들은 상기 10)번항에 의거하여 반드시 고박하여 입고할 것.(안전사고 사전방지)

12. 납품 시 하기와 같은 TAG를 식별하기 쉬운 위치에 적의 부착하여 입고할 것 .

 - 1) 용접선 있는 자재는 용접선 부근 50mm 이내 PAINT MARKER 마킹 적용
(설치 후 은폐 도장작업 쉽게 하기 위함)
 - 2) 용접선 없는 자재는 자재 인식표(TAG) 또는 안티 울트라테이프에 마킹 후 부착
(자재 TAG 및 안티 울트라테이프 제거는 의장 1,2부에서 실시함)
 - 3) 적용대상 : 강재로 제작되는 모든 철의장품
 - 4) MARKING 방법 : SHIP NO., BLOCK NO., POR NO., MARKING(PC'S) NO.

제작품별 납기 LIST

SHIP NO.	8150 / 81
DWG NO.	T24T0-B21-

01

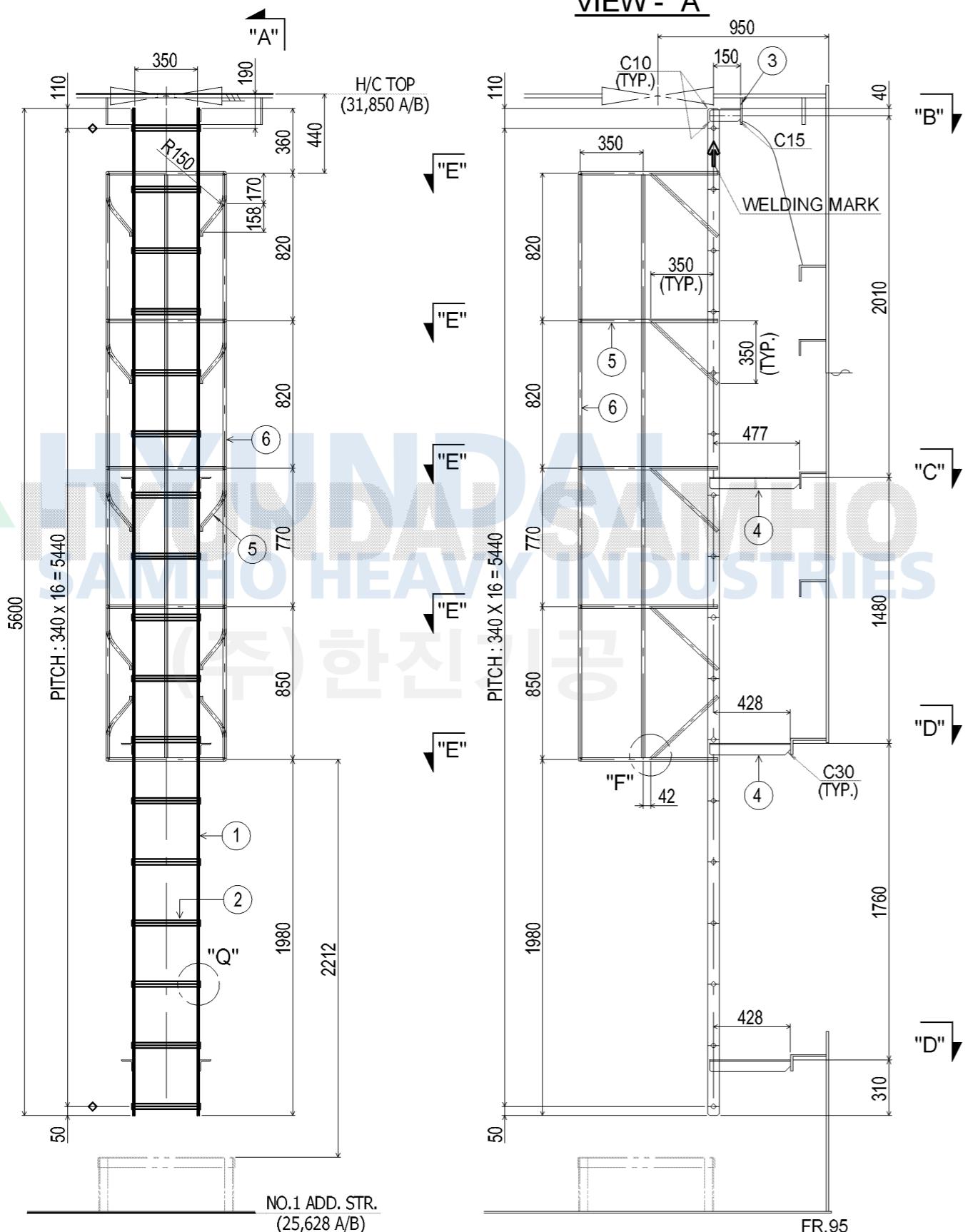
DETAIL OF VERTICAL LADDER

SHIP NO. 8150 / 8151 02
DWG NO. T24T0-B21-56BB

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T17P0	VL-301FP	1	156.9	본도제작

설치 BLOCK

T17P0



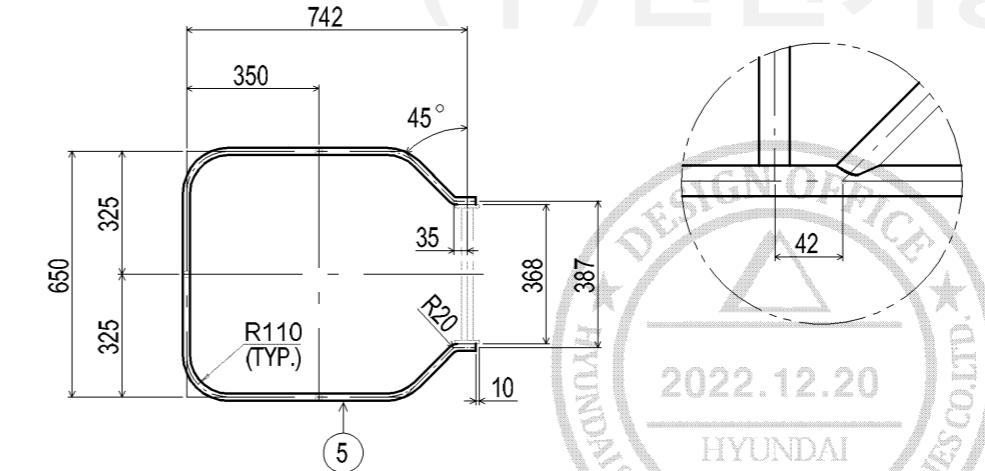
PLAN - "C"

PLAN - "D"

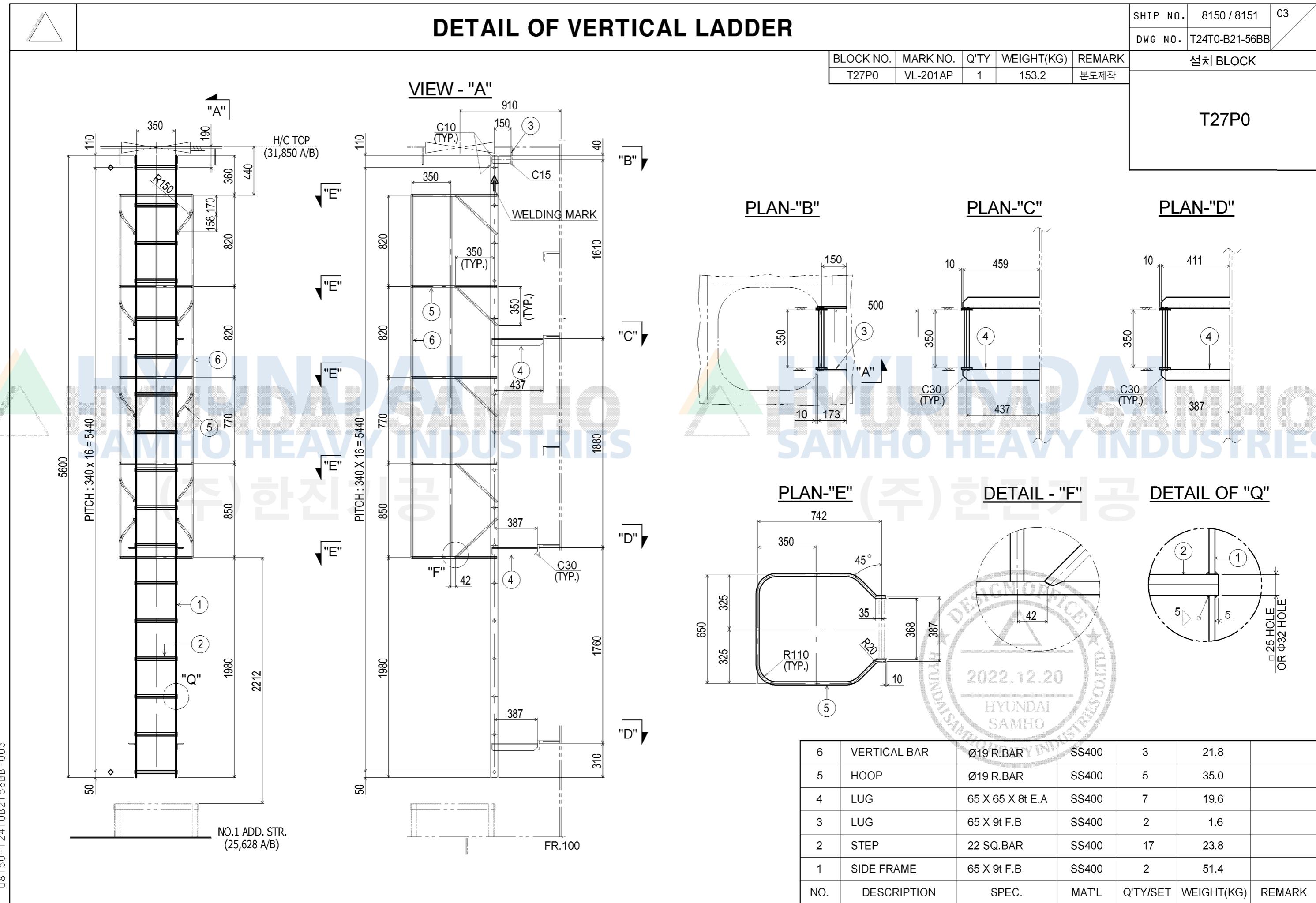
PLAN - "E"

DETAIL - "F"

DETAIL OF "Q"

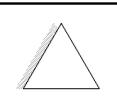


NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
6	VERTICAL BAR	Ø19 R.BAR	SS400	3	21.3	
5	HOOP	Ø19 R.BAR	SS400	5	35.0	
4	LUG	65 X 65 X 8t E.A	SS400	7	23.8	
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	17	23.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	51.4	



DETAIL OF VERTICAL LADDER

	<p>VIEW - "A"</p> <p>PITCH : $340 \times 16 = 5440$</p> <p>NO.1 ADD. STR. (25,628 A/B)</p> <p>FR.105</p>	<p>PLAN - "B"</p> <p>C10 (TYP.)</p> <p>C15</p> <p>WELDING MARK</p> <p>435</p> <p>350 (TYP.)</p> <p>350 (TYP.)</p> <p>350</p> <p>10</p> <p>457</p> <p>500</p> <p>350</p> <p>10</p> <p>173</p> <p>C30 (TYP.)</p> <p>435</p>	<p>PLAN - "C"</p> <p>10</p> <p>411</p> <p>350</p> <p>42</p> <p>387</p> <p>387</p> <p>42</p> <p>C30 (TYP.)</p> <p>387</p>	<p>PLAN - "D"</p> <p>10</p> <p>411</p> <p>350</p> <p>42</p> <p>387</p> <p>387</p> <p>42</p> <p>C30 (TYP.)</p> <p>387</p>	<p>DETAIL - "F"</p> <p>742</p> <p>350</p> <p>45°</p> <p>35</p> <p>368</p> <p>387</p> <p>10</p> <p>R110 (TYP.)</p> <p>R20</p> <p>2022.12.20</p> <p>HYUNDAI SAMHO</p> <p>DESIGN OFFICE</p> <p>HYUNDAISAMHO INDUSTRIES CO.,LTD.</p>	<p>SHIP NO. 8150 / 8151 04</p> <p>DWG NO. T24T0-B21-56BB</p>	<p>설치 BLOCK</p> <p>T38P0</p>										
		<table border="1"> <thead> <tr> <th>BLOCK NO.</th><th>MARK NO.</th><th>Q'TY</th><th>WEIGHT(KG)</th><th>REMARK</th></tr> </thead> <tbody> <tr> <td>T38P0</td><td>VL-201FP</td><td>1</td><td>152.8</td><td>본도제작</td></tr> </tbody> </table>	BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK	T38P0	VL-201FP	1	152.8	본도제작					
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK													
T38P0	VL-201FP	1	152.8	본도제작													
08150-T24T0B2156BB-004								A3 (420x297)									



DETAIL OF VERTICAL LADDER

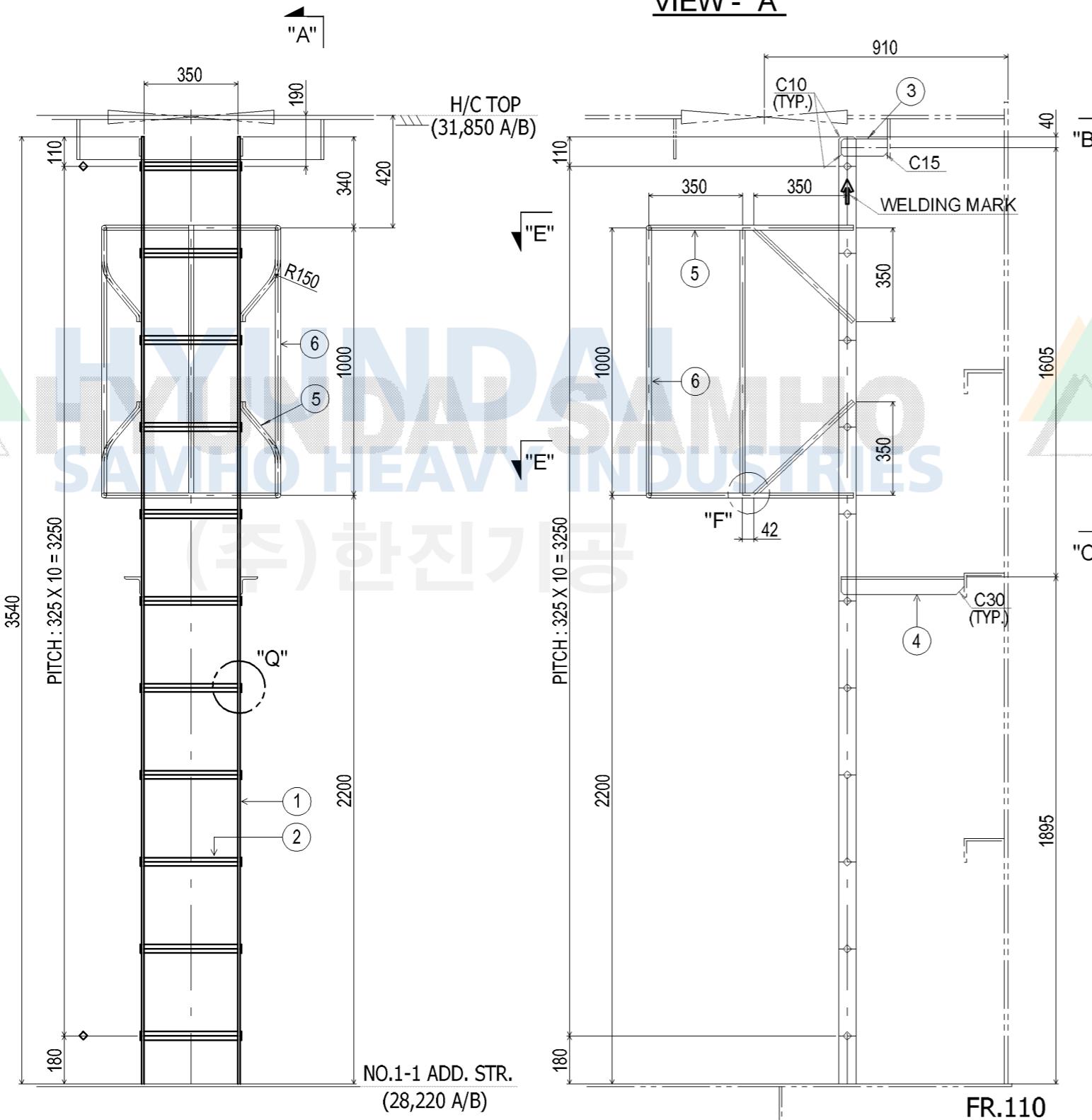
SHIP NO.	8150 / 8151	05
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK	
T48P0	VL-101AP	1	77.9	본도제작	

설치 BLOCK

T48P0

VIEW - "A"



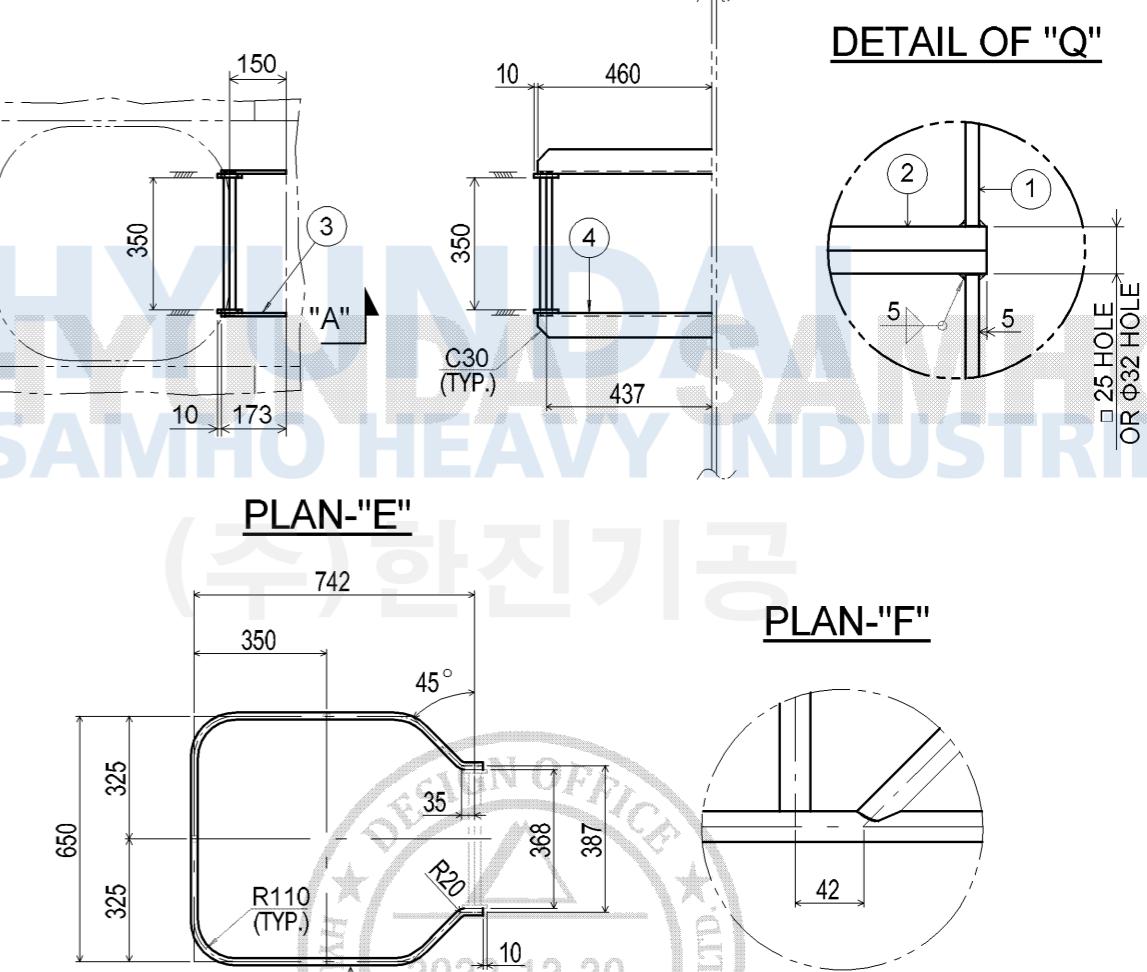
PLAN-"B"

PLAN-"C"

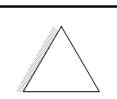
DETAIL OF "Q"

PLAN-"E"

PLAN-"F"



NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
6	VERTICAL BAR	Ø19 R.BAR	SS400	3	6.8	
5	HOOP	Ø19 R.BAR	SS400	2	14.2	
4	LUG	65 X 65 X 8t E.A	SS400	3	7.0	
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	11	15.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	32.5	



DETAIL OF VERTICAL LADDER

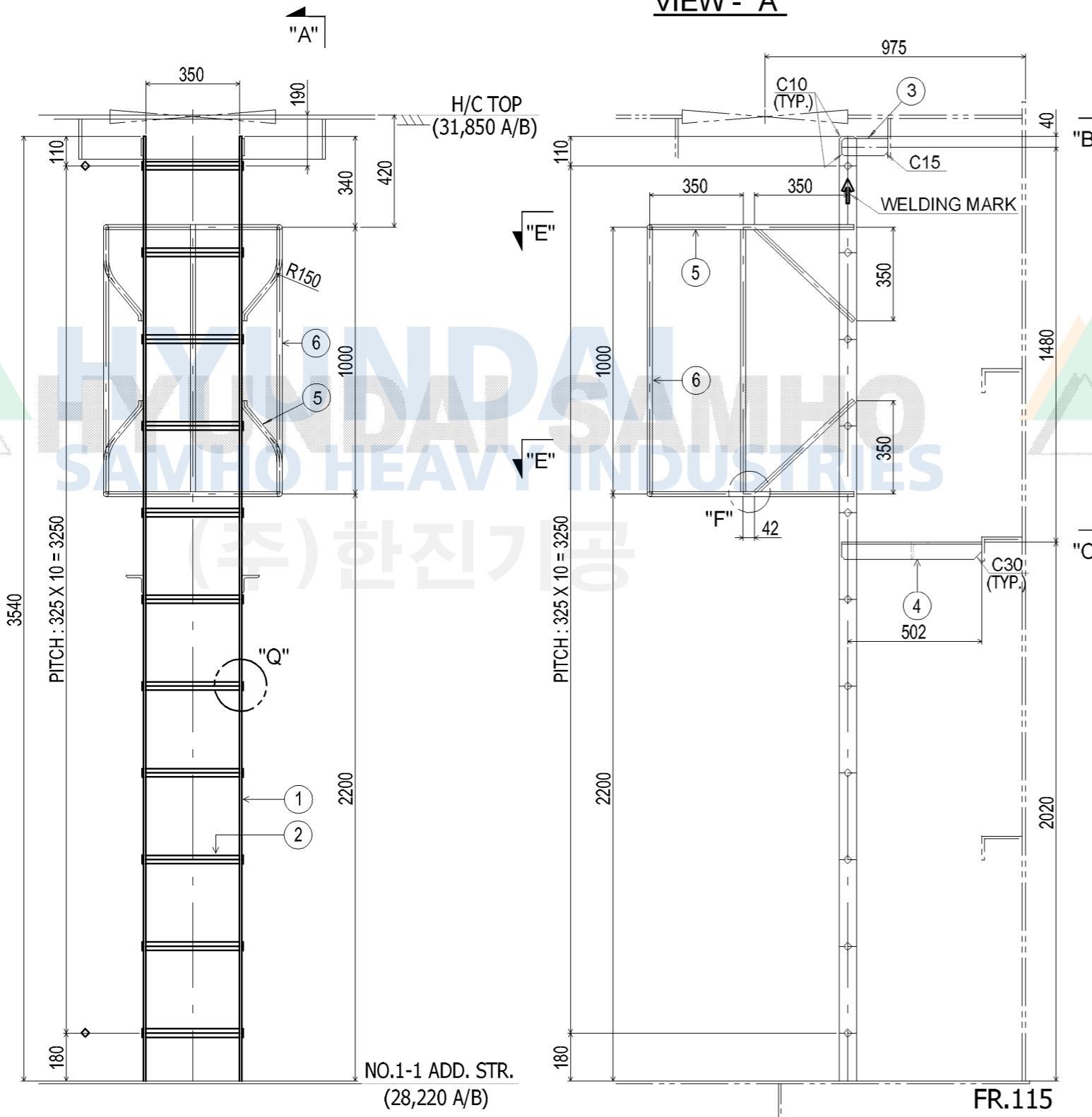
SHIP NO.	8150 / 8151	06
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T19C0	VL-101FP	1	81.8	본도제작

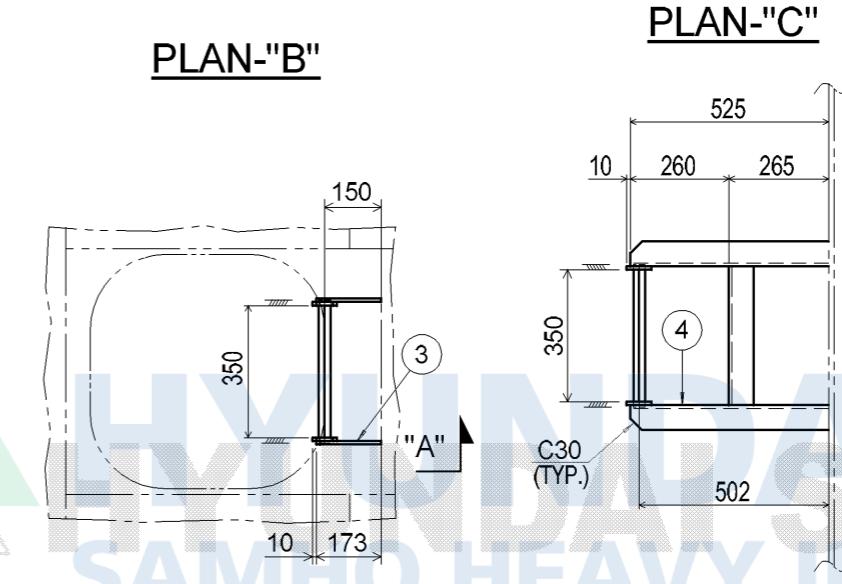
설치 BLOCK

T19C0

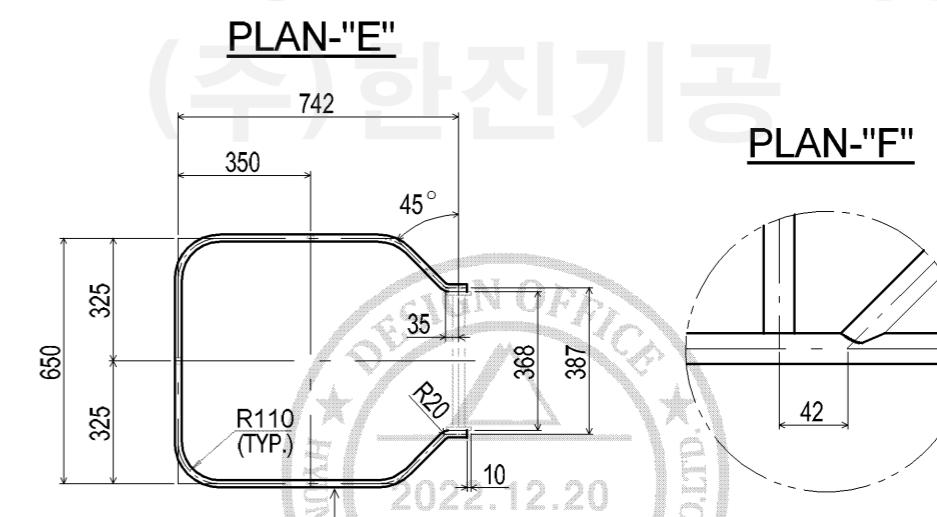
VIEW - "A"



PLAN-"B"



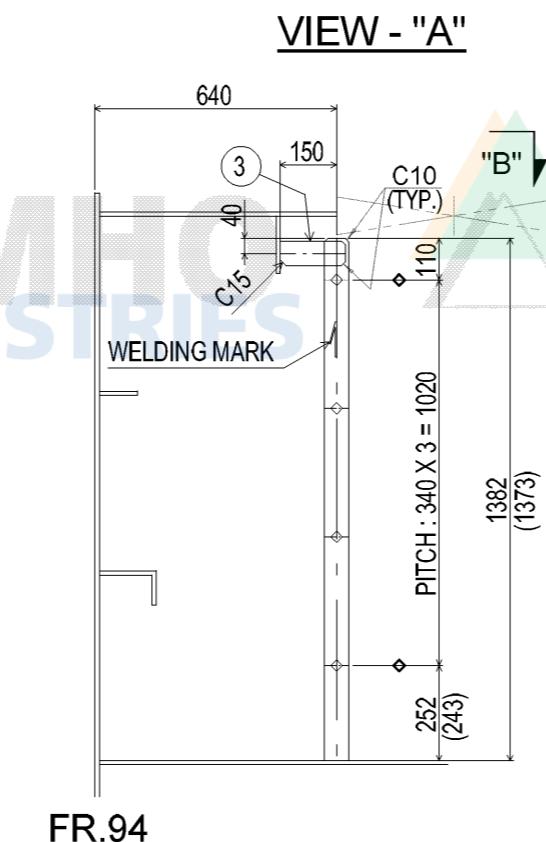
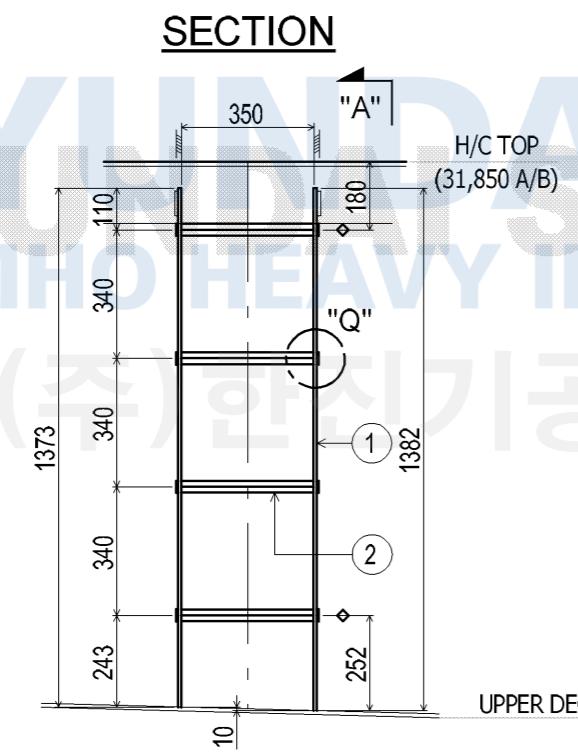
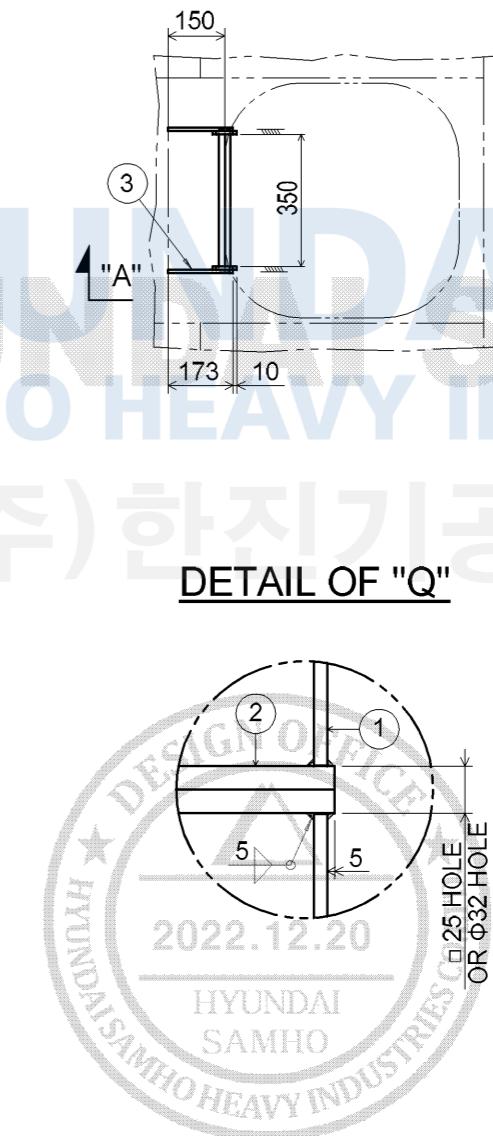
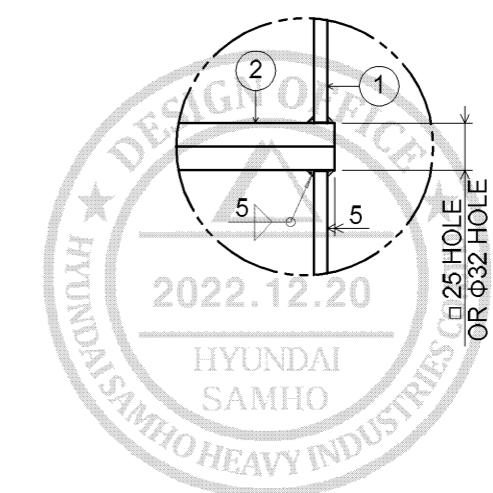
DETAIL OF "Q"



NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
6	VERTICAL BAR	Ø19 R.BAR	SS400	3	6.8	
5	HOOP	Ø19 R.BAR	SS400	2	14.2	
4	LUG	65 X 65 X 8t E.A	SS400	3	10.9	
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	11	15.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	32.5	

DETAIL OF VERTICAL LADDER

 DECK CAMBER 	SHIP NO.	8150 / 8151	07										
	DWG NO.	T24T0-B21-56BB											
<table border="1"> <tr> <td>BLOCK NO.</td> <td>MARK NO.</td> <td>Q'TY</td> <td>WEIGHT(KG)</td> <td>REMARK</td> </tr> <tr> <td>T17S0</td> <td>VL-301FS</td> <td>1</td> <td>20.0</td> <td>본도제작</td> </tr> </table>		BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK	T17S0	VL-301FS	1	20.0	본도제작	설치 BLOCK	
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK									
T17S0	VL-301FS	1	20.0	본도제작									
T17S0													

**PLAN-"B"****DETAIL OF "Q"**

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	4	5.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	12.6	

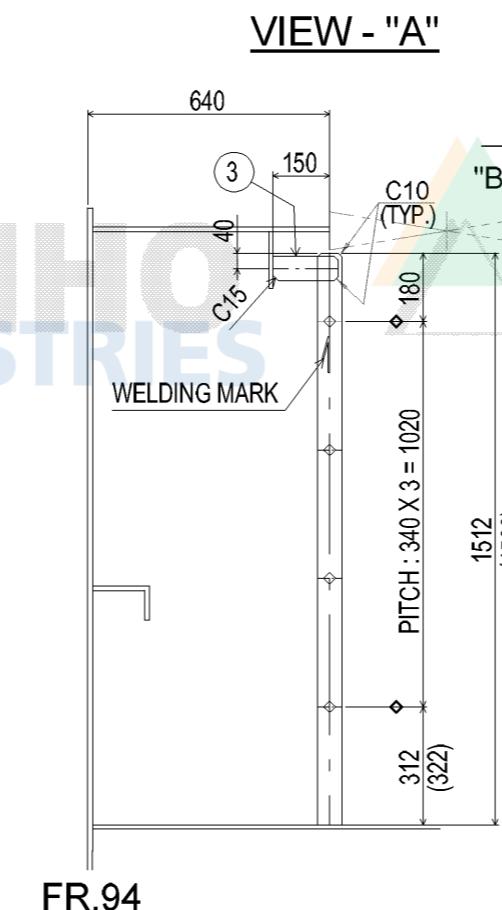
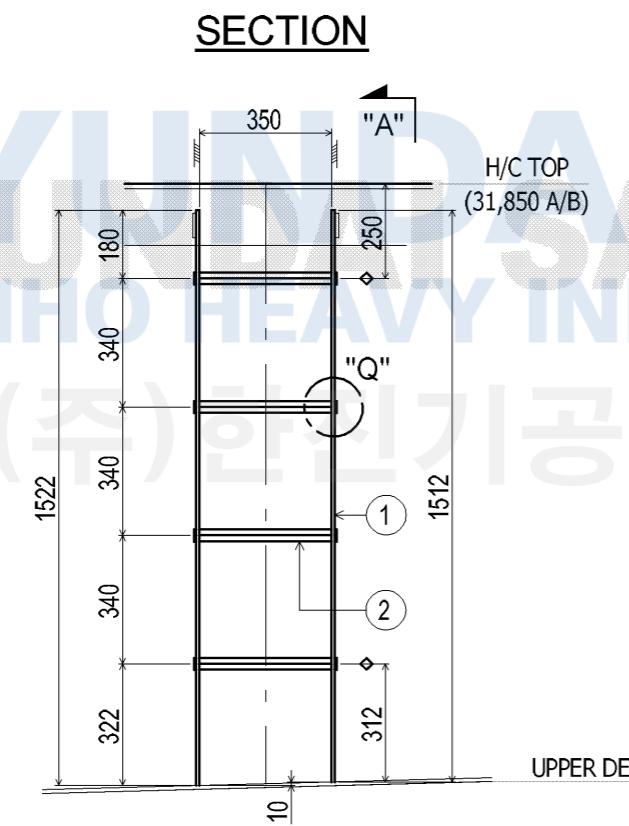
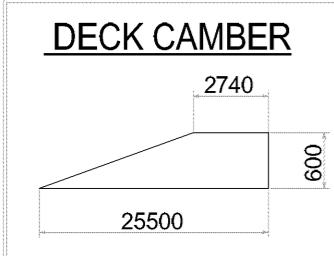
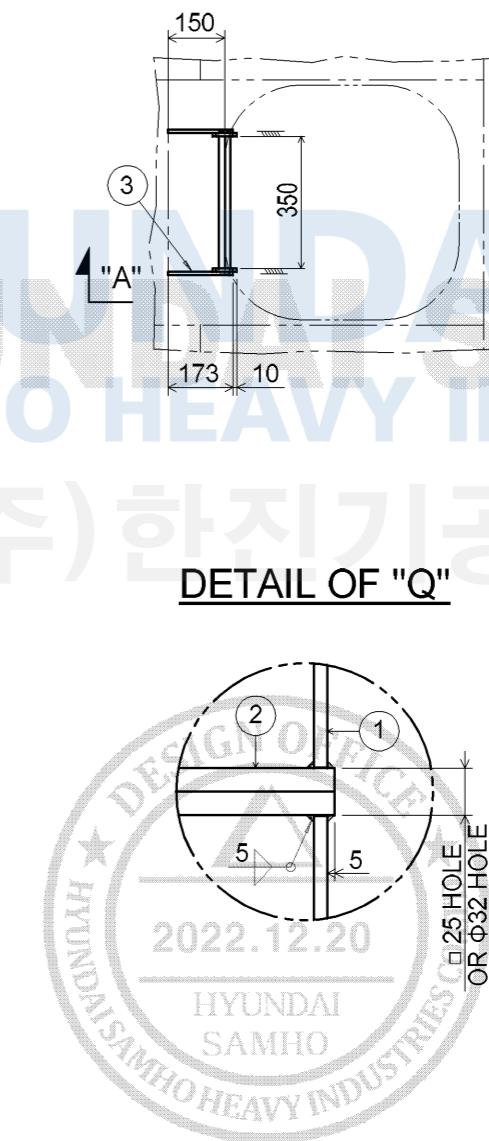
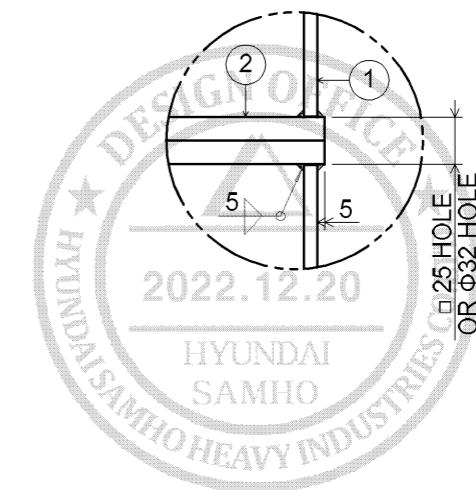
DETAIL OF VERTICAL LADDER

SHIP NO.	8150 / 8151	08
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T17P0	VL-302FP	1	21.3	본도제작

설치 BLOCK

T17P0

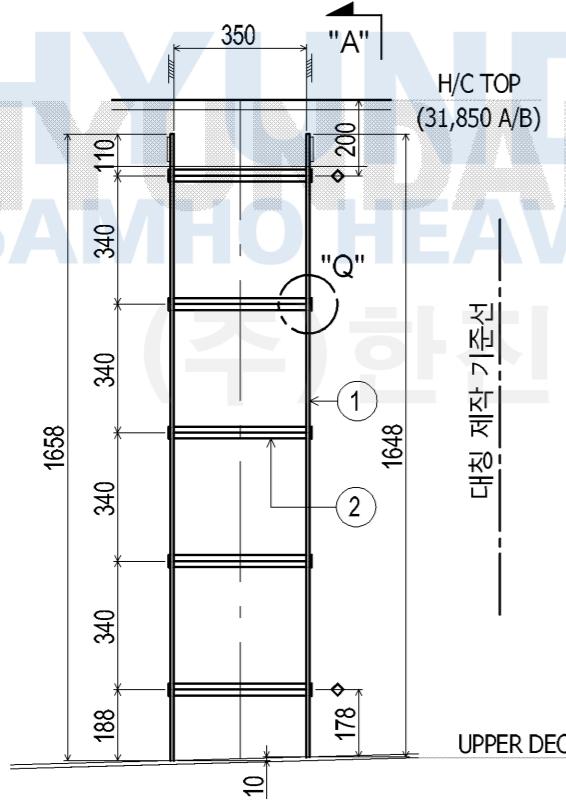
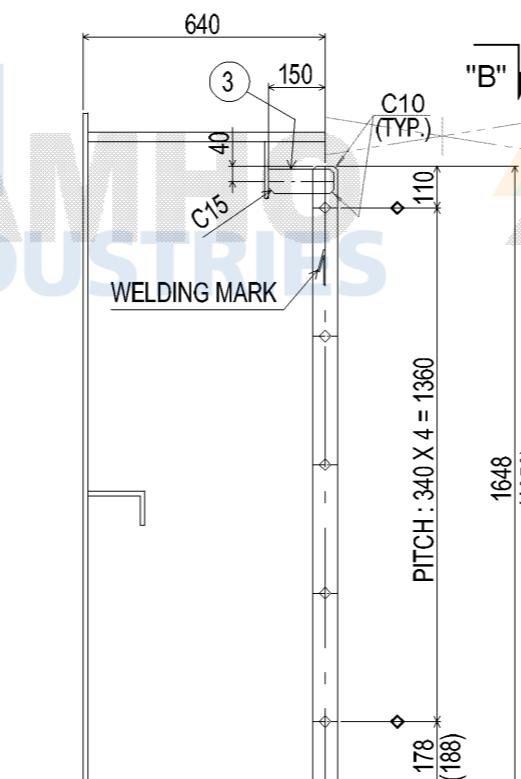
**PLAN-"B"****DETAIL OF "Q"**

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	4	5.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	13.9	

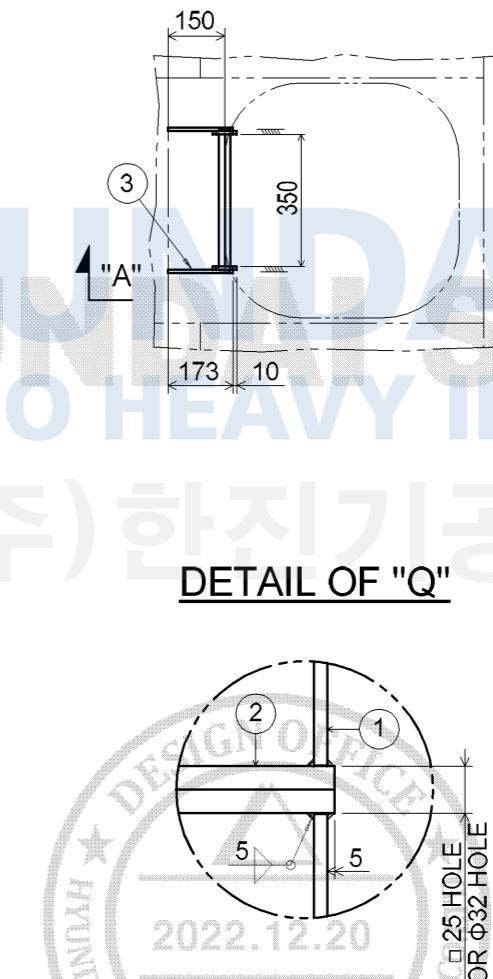
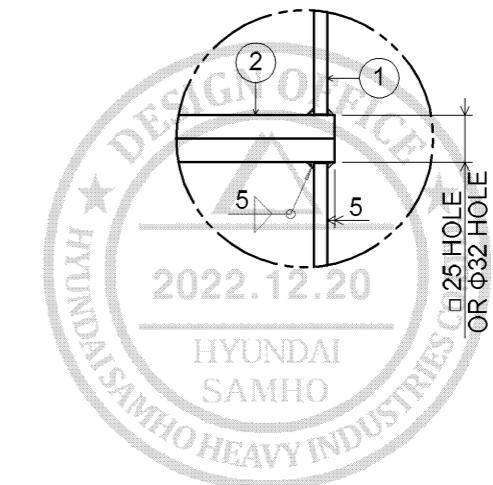
	DETAIL OF VERTICAL LADDER		SHIP NO.	8150 / 8151	09		
				DWG NO.	T24T0-B21-56BB		
			BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
			T17S0	VL-302FS	1	21.8	본도제작
			설치 BLOCK				
			T17S0				
DECK CAMBER							
						PLAN-"B"	
						SECTION	
						VIEW - "A"	
<img alt="View A detail showing the top horizontal bar at H/C TOP (31,850 A/B),							

DETAIL OF VERTICAL LADDER

 DECK CAMBER 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>BLOCK NO.</th><th>MARK NO.</th><th>Q'TY</th><th>WEIGHT(KG)</th><th>REMARK</th></tr> </thead> <tbody> <tr> <td>T17P0</td><td>VL-303FP</td><td>1</td><td>24.0</td><td>본도제작</td></tr> <tr> <td>T17S0</td><td>VL-303FS</td><td>1</td><td>24.0</td><td>대창제작</td></tr> </tbody> </table>	BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK	T17P0	VL-303FP	1	24.0	본도제작	T17S0	VL-303FS	1	24.0	대창제작	SHIP NO. 8150 / 8151 10 DWG NO. T24T0-B21-56BB
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK													
T17P0	VL-303FP	1	24.0	본도제작													
T17S0	VL-303FS	1	24.0	대창제작													
설치 BLOCK T17P0 T17S0																	

SECTIONVIEW - "A"

FR.94

PLAN-"B"DETAIL OF "Q"

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	5	7.2	
1	SIDE FRAME	65 X 9t F.B	SS400	2	15.2	

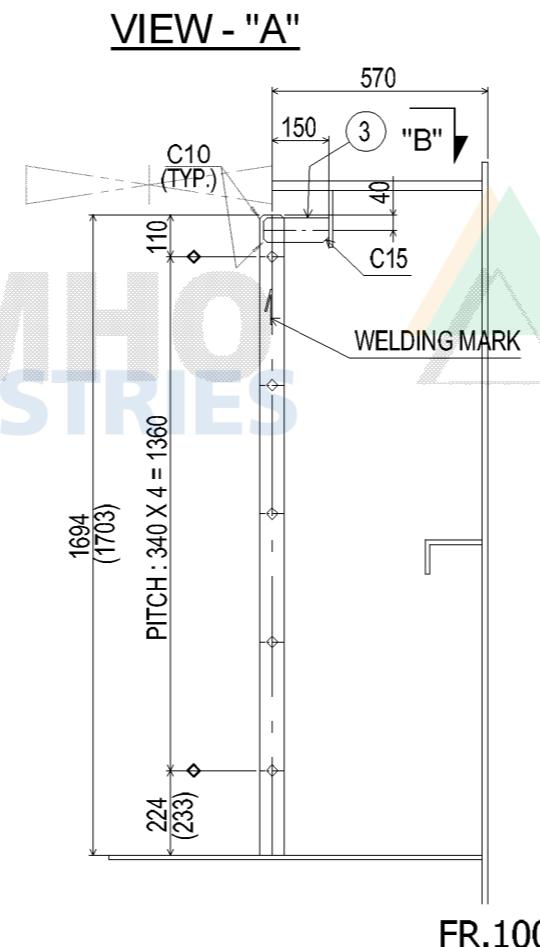
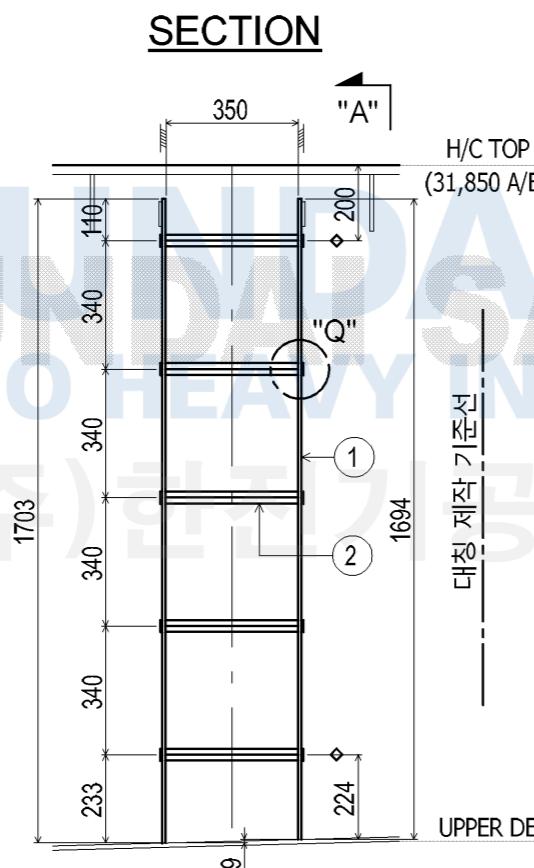
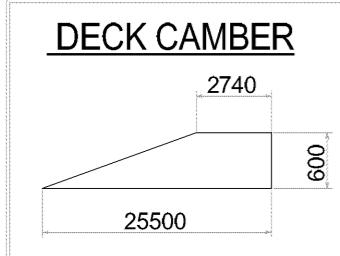
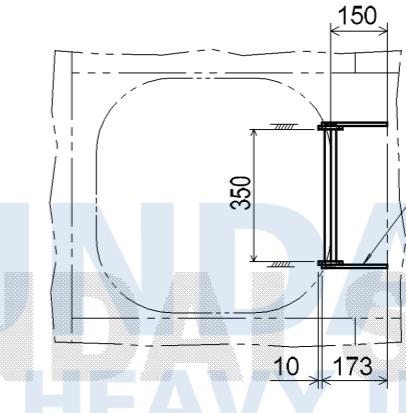
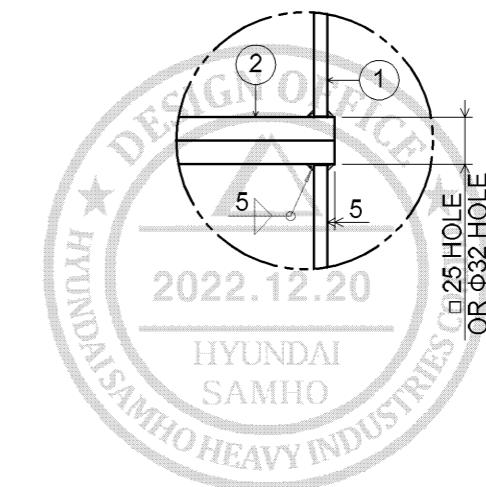
DETAIL OF VERTICAL LADDER

SHIP NO.	8150 / 8151	11
DWG NO.	T24T0-B21-56BB	

설치 BLOCK

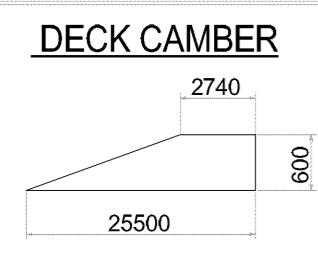
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T27P0	VL-202AP	1	24.4	본도제작
T27S0	VL-202AS	1	24.4	대칭제작

T27P0 T27S0

**PLAN-"B"****DETAIL OF "Q"**

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	5	7.2	
1	SIDE FRAME	65 X 9t F.B	SS400	2	15.6	

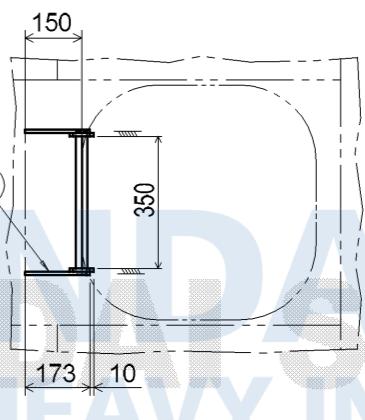
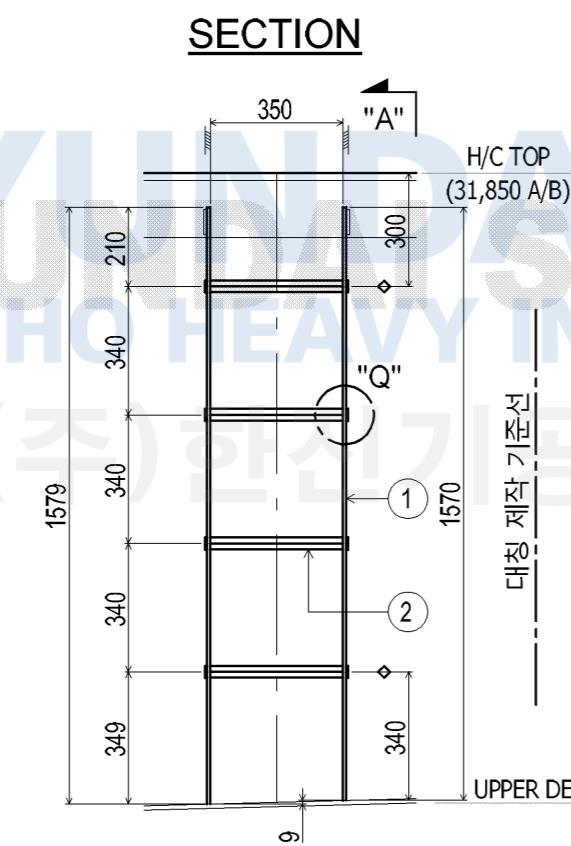
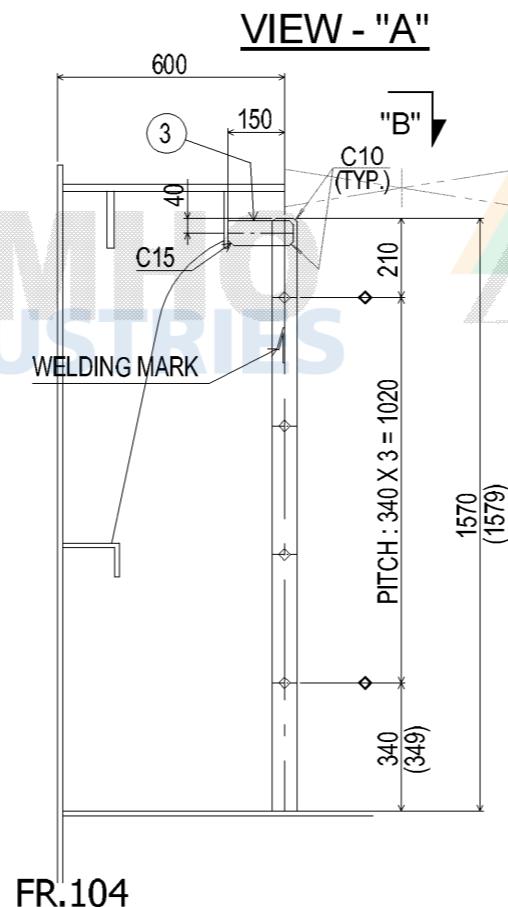
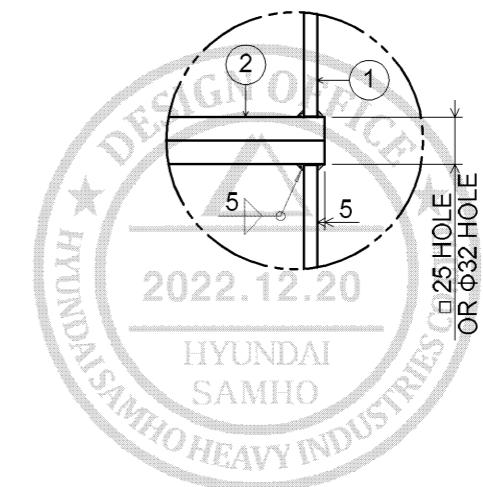
DETAIL OF VERTICAL LADDER

 DECK CAMBER 	SHIP NO.	8150 / 8151	12
	DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T38P0	VL-202FP	1	21.9	본도제작
T38S0	VL-202FS	1	21.9	대칭제작

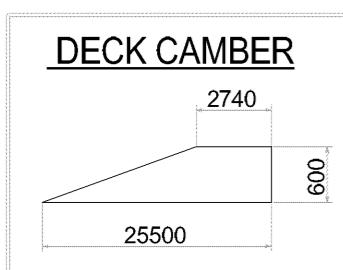
설치 BLOCK

T38P0 T38S0

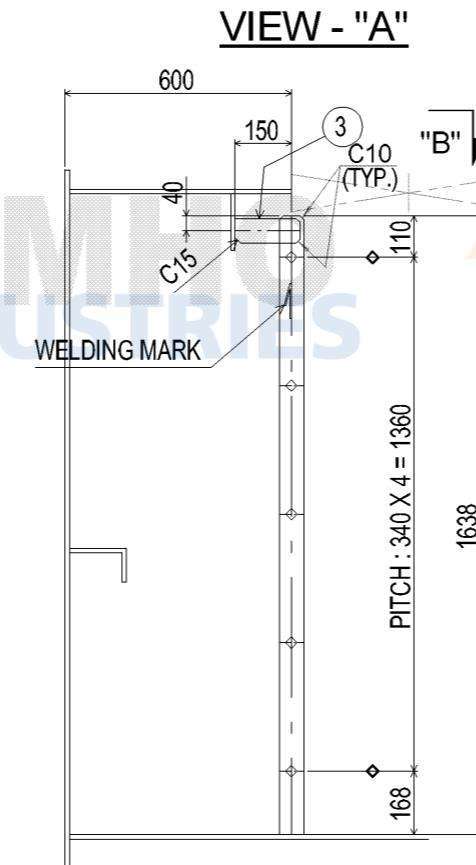
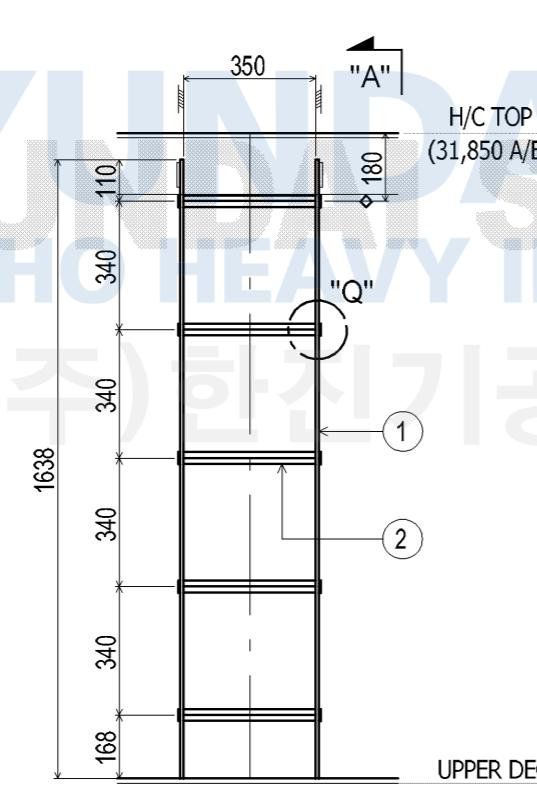
PLAN-"B"DETAIL OF "Q"

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	4	5.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	14.5	

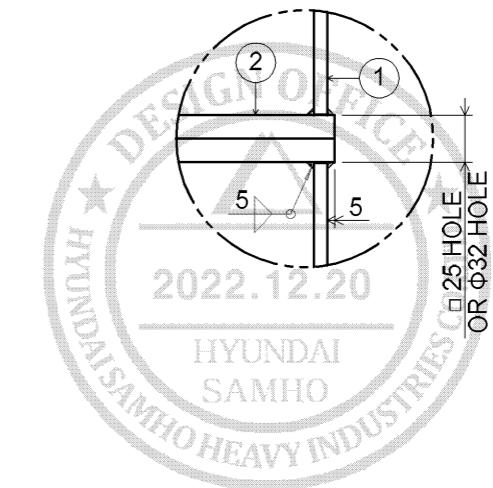
	DETAIL OF VERTICAL LADDER	SHIP NO. 8150 / 8151 DWG NO. T24T0-B21-56BB	13
DECK CAMBER			설치 BLOCK
T48P0			T48P0



BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T48P0	VL-102AP	1	23.9	본도제작

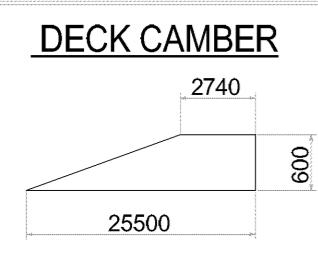
PLAN-"B"VIEW - "A"

FR.109

DETAIL OF "Q"

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	5	7.2	
1	SIDE FRAME	65 X 9t F.B	SS400	2	15.1	

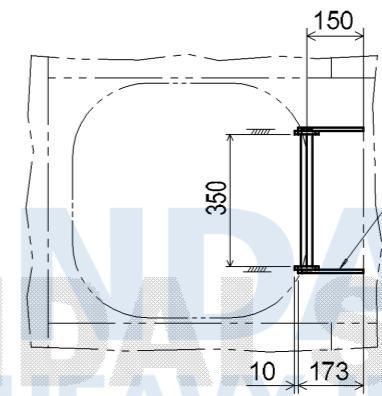
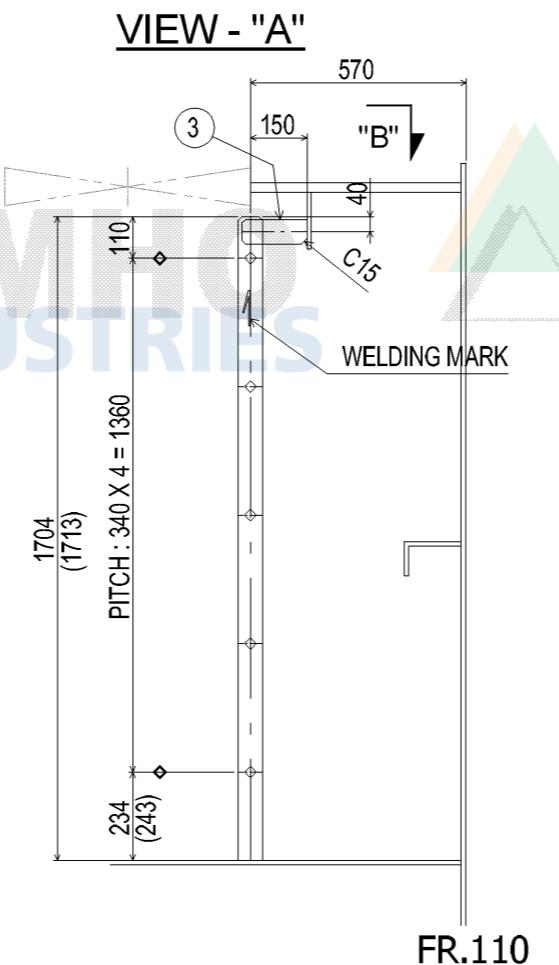
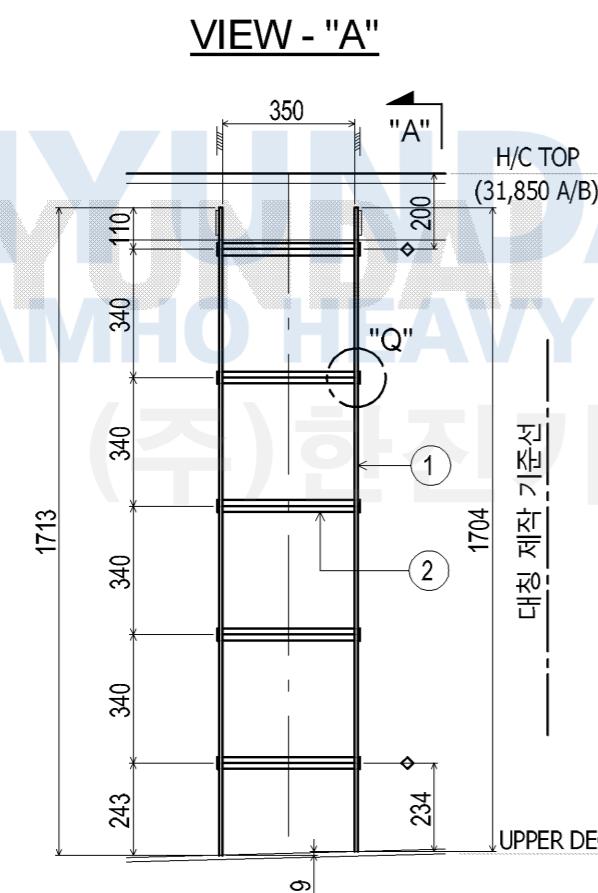
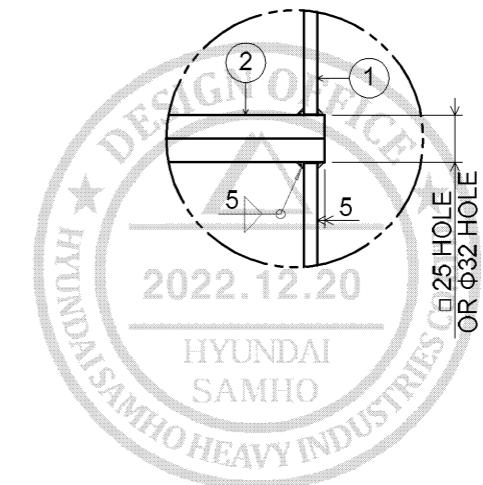
DETAIL OF VERTICAL LADDER

 DECK CAMBER 	SHIP NO.	8150 / 8151	14
	DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T48P0	VL-103AP	1	24.5	본도제작
T48S0	VL-103AS	1	24.5	대칭제작

설치 BLOCK

T48P0 T48S0

PLAN-"B"DETAIL OF "Q"

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	5	7.2	
1	SIDE FRAME	65 X 9t F.B	SS400	2	15.7	

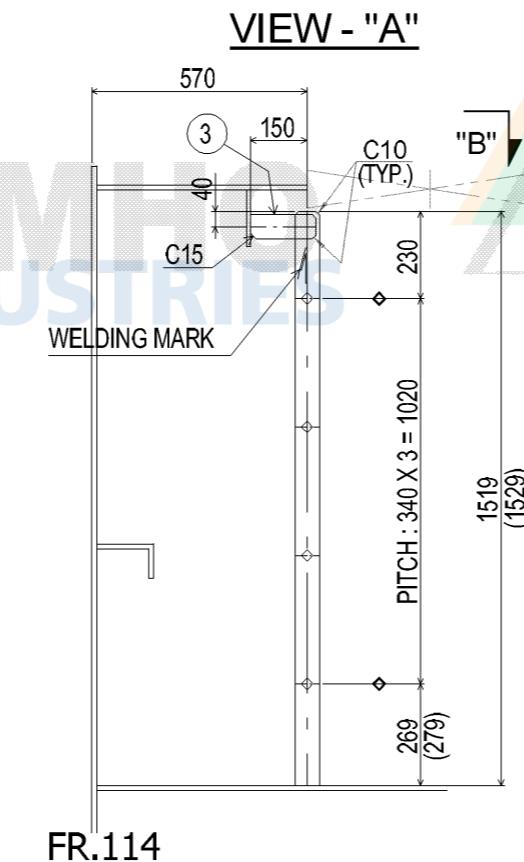
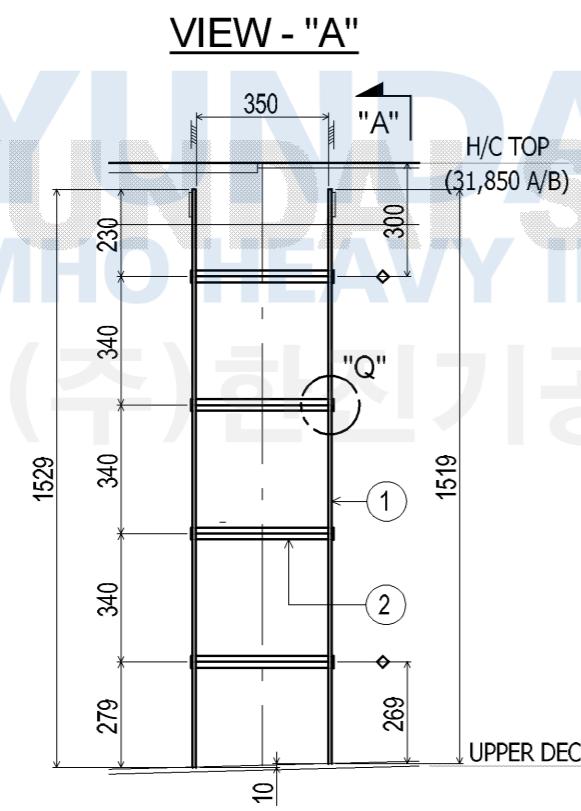
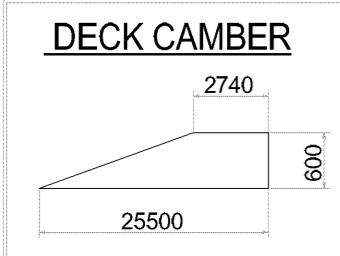
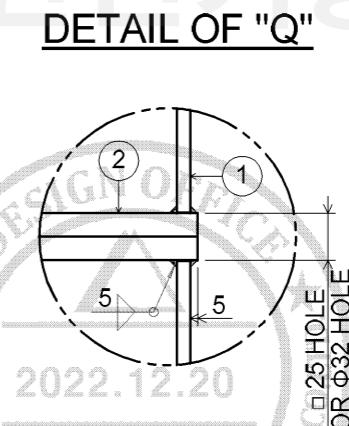
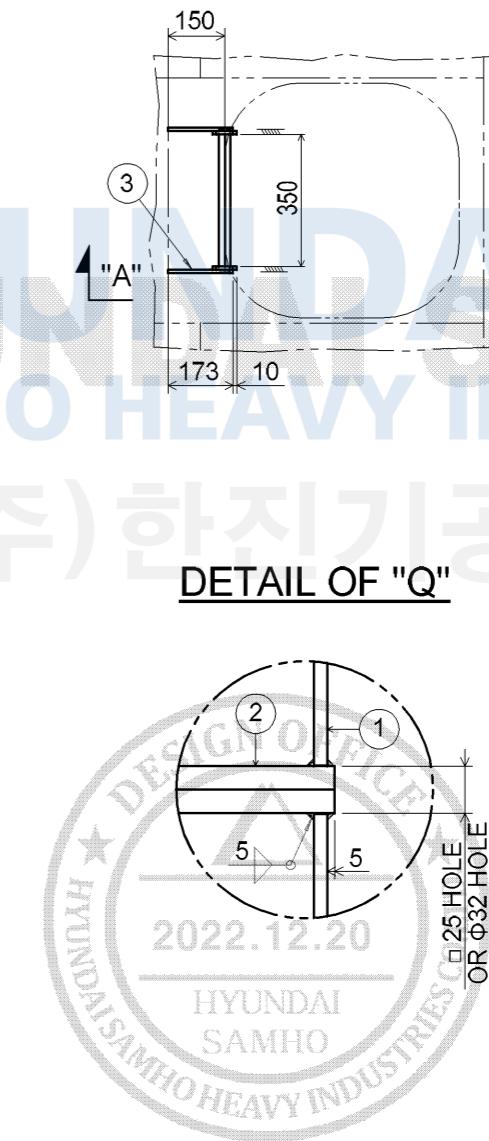
DETAIL OF VERTICAL LADDER

SHIP NO.	8150 / 8151	15
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T19C0	VL-102FP	1	21.4	본도제작

설치 BLOCK

T19C0

**PLAN - "B"**

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	LUG	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	4	5.8	
1	SIDE FRAME	65 X 9t F.B	SS400	2	14.0	

	DETAIL OF VERTICAL LADDER	SHIP NO.	8150 / 8151	16			
			DWG NO.	T24T0-B21-56BB			
BLOCK NO. MARK NO. Q'TY WEIGHT(KG) REMARK			설치 BLOCK				
T19C0 VL-102FS 1 22.2 본도제작			T19C0				
DECK CAMBER							
VIEW - "A"			PLAN - "B"				
FR.114			DETAIL OF "Q" 				
08150-T24T0B2156BB-016	3	LUG	65 X 9t F.B	SS400	2	1.6	
	2	STEP	22 SQ.BAR	SS400	4	5.8	
	1	SIDE FRAME	65 X 9t F.B	SS400	2	14.8	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK	

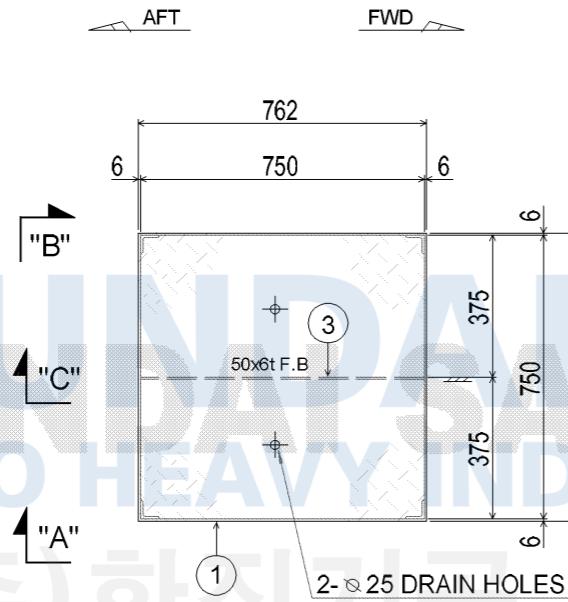
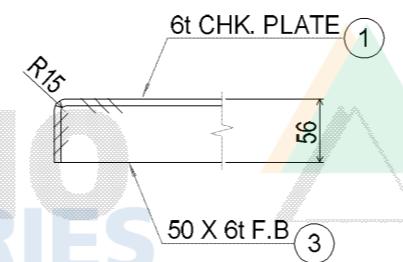
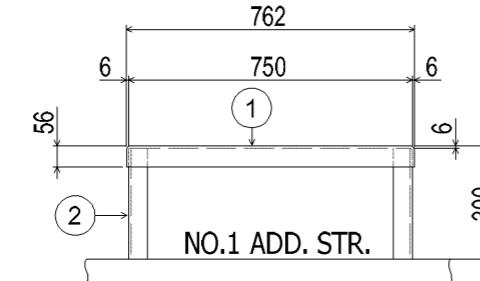
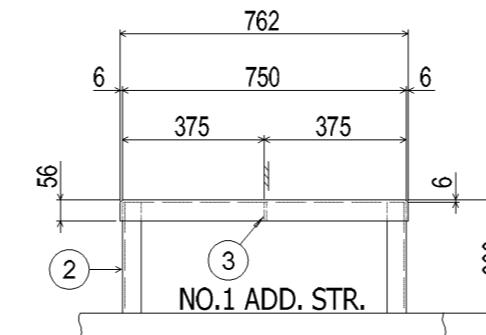
DETAIL OF PLATFORM

			SHIP NO.	8150 / 8151	17
			DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T17P0	PF-301FP	1	44.5	본도제작
T27P0	PF-201AP	1	44.5	본도제작
T38P0	PF-201FP	1	44.5	본도제작

설치 BLOCK

T17P0
T27P0
T38P0

PLANVIEW - "C"VIEW - "A"VIEW - "B"

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK
3	STIFFENER	50 X 6t F.B.	SS400	1	2.0	
2	SUPPORT	50 X 50 X 6t E.A.	SS400	4	5.2	
1	TOP PLATE	6t CHK. PLATE	SS400	1	37.3	