

- 
- 유형 SPEC. PAINTING
- PAINT & GALV : 15mm
- (SHOP PRIMER OR Alkyd Resin MP-120 (KCC))
- Dk

6. GALV. 용 HOLE 시공할 경우는 GALV. 후 메공하고 GALV. 손상부위 수정 후 입고할 것.
7. 납품 시 P.O.R SHEET와 유침도를 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 묶음 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.

[illegible]



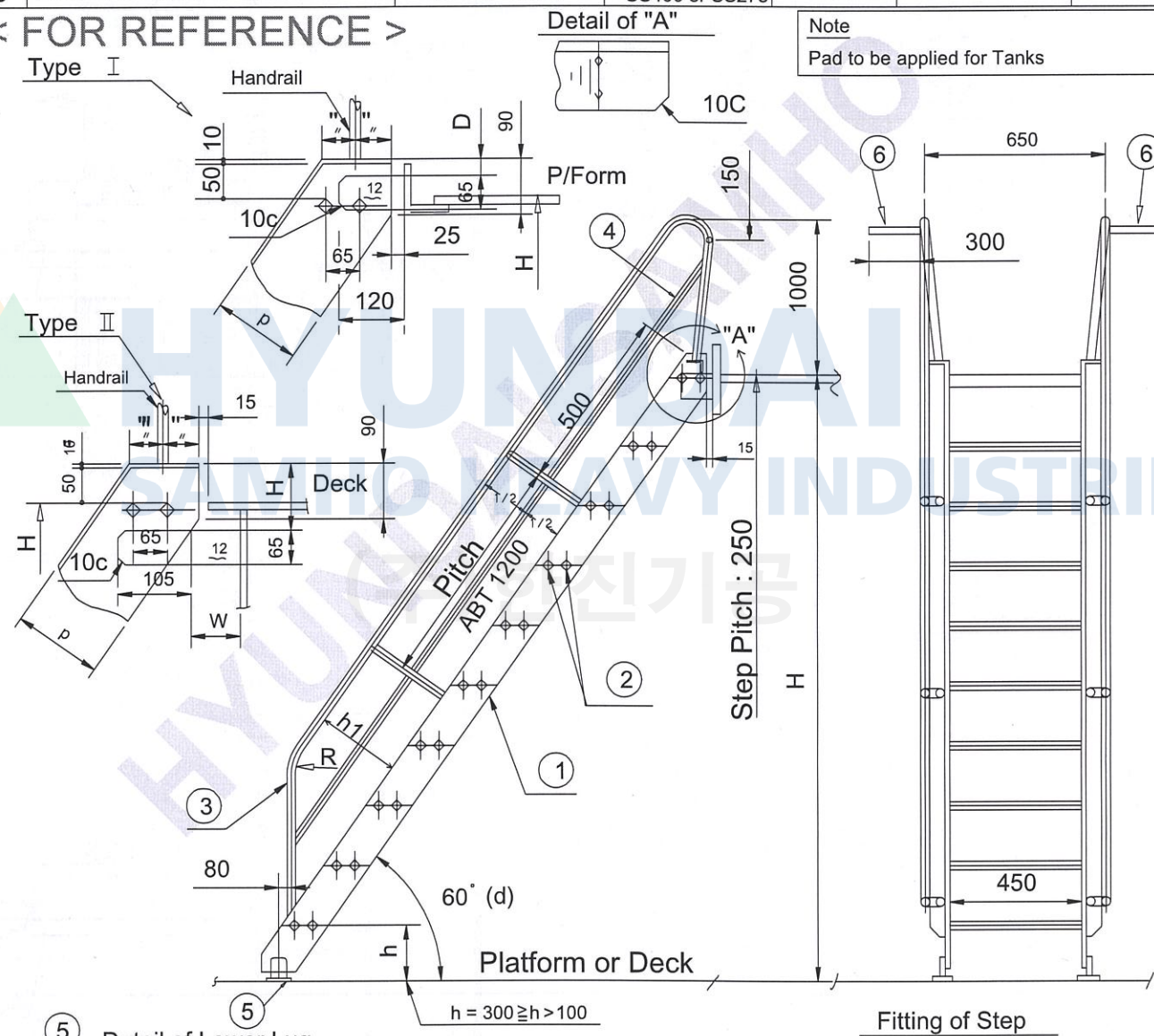


## Inclined Ladder (Type-D2) Standard

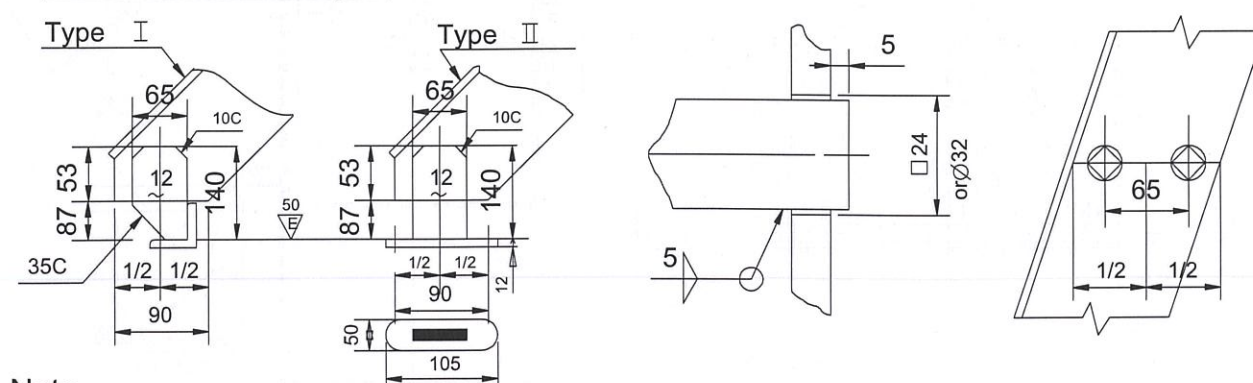
DATE	99	99	02	10	
	9 28	10 28	1 11	3 2	

No.	Description	Size	Mat'l	Q'ty	Weight(kg)	Remark
1	Side Frame	125x75x10U.A	SS400 or SS275	2	14.9/m	
2	Step	22 SQ,B	SS400 or SS275		3.8/m	
3	Handrail	Ø 25 R.B.	SS400 or SS275	2	3.85/m	
4	Mid rail	Ø 19 R.B.	SS400 or SS275	2	2.23/m	
5	Lower Lug	12t Plate	SS400 or SS275	2		
6	Anti-Vibration Piece	Ø 19 R.B.	SS400 or SS275	2		

< FOR REFERENCE >



⑤ Detail of Lower Lug



### Note

1. Surface treatment shall be done in accordance with paint specification.

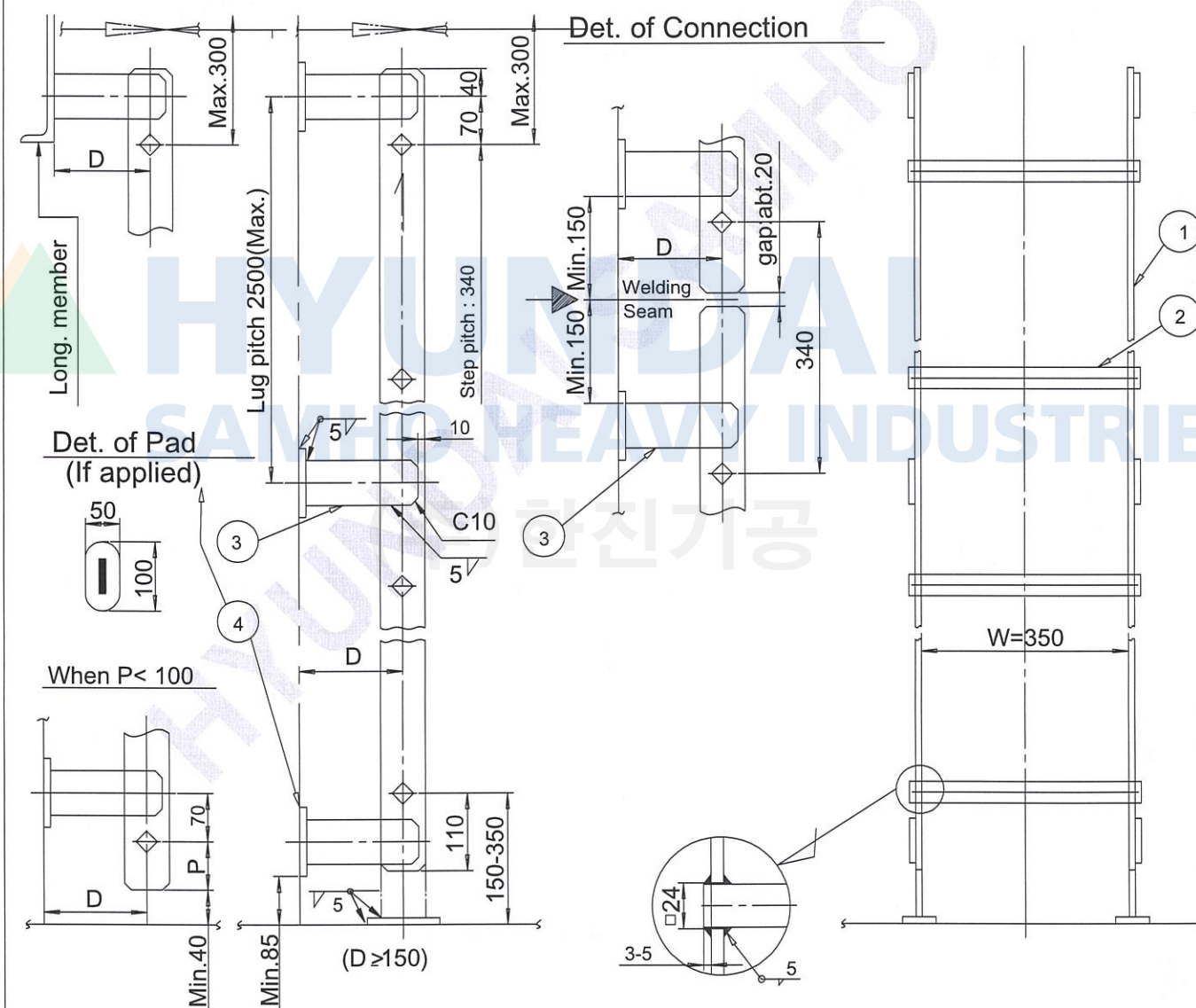


## Vertical Ladder (VL-A) (Fixed type) Standard

DATE	95	98	98	00	10
	6 13	10 12	12 8	1 11	3 4

NO	Description	Spec	Mat'l	Weight	Remark
1	Side frame	65 X 9t F.B	SS400 or SS275	4.59/m	
2	Step	22 Sq.B	SS400 or SS275	3.80/m	
3	Lug	65 X 9t F.B	SS400 or SS275	0.76/ea	
4	Pad	9t Plate	SS400 or SS275	0.35/ea	If applied

< FOR REFERENCE >



Note

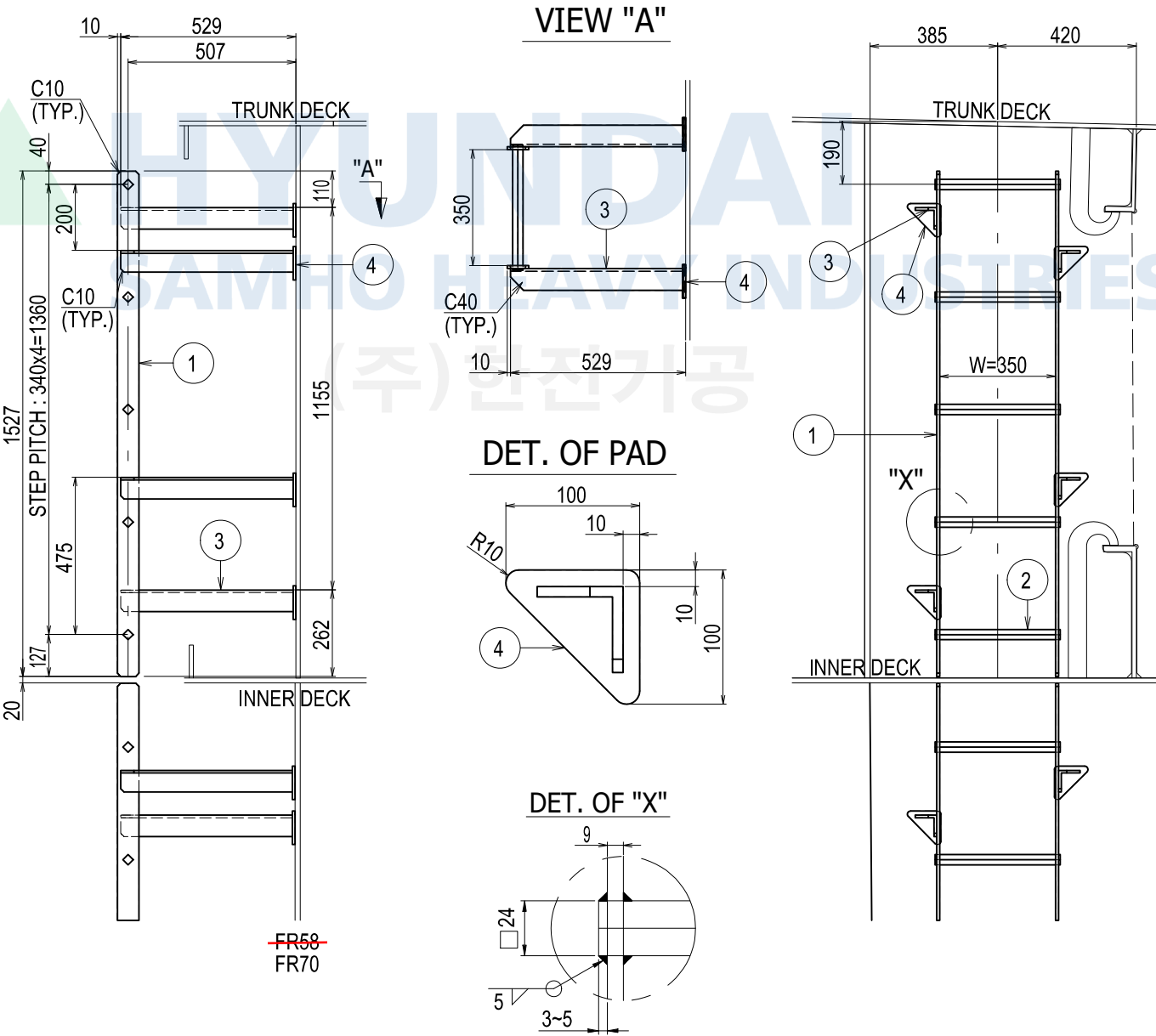
1. Application : All space except vent mast
2. Surface treatment shall be done in accordance with painting specification.
3. Connection : Shall be applied between ladders when ladders are installed in way of block welding seam or fabrication welding seam of mast/post body.

DET. OF VERTICAL LADDER					SHIP NO.	8140, 8198/8199
					DWG NO.	T13T0-C30-56BB
NO.	DESCRIPTION	SIZE	MAT'L	Q'TY/SET	W.T (kg)	REMARK
1	SIDE FRAME	65x9t F.B	SS400 OR SS275	2	14.0	
2	STEP	22 SQ.B	SS400 OR SS275	5	7.0	
3	LUG	65x65x8t E.A	SS400 OR SS275	4	16.4	
4	PAD	10t PLATE	SS400 OR SS275	4	2.0	

NOTE

1. MARK NO. : ~~VL-401~~, VL-301
2. 제작수량 : 1 SETS/SHIP
3. BLOCK NO.: ~~N433S(VL-401)~~, D17C0(VL-301)

TOTAL W.T : 39.4 KG/SET

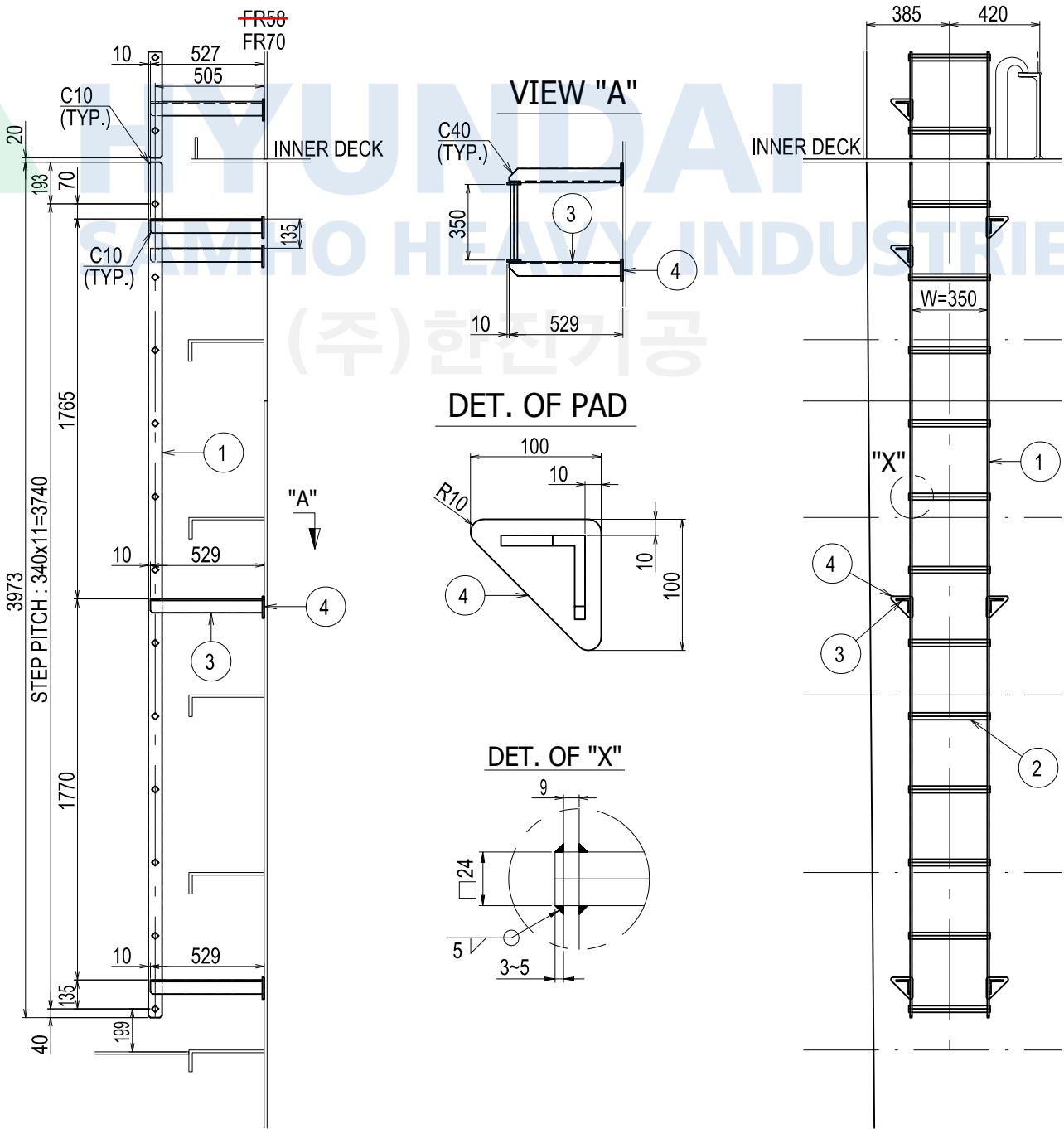


DET. OF VERTICAL LADDER					SHIP NO.	8140, 8198/8199
					DWG NO.	T13T0-C30-56BB
NO.	DESCRIPTION	SIZE	MAT'L	Q'TY/SET	W.T (kg)	REMARK
1	SIDE FRAME	65x9t F.B	SS400 OR SS275	2	36.4	
2	STEP	22 SQ.B	SS400 OR SS275	12	16.8	
3	LUG	65x65x8t E.A	SS400 OR SS275	6	24.2	
4	PAD	10t PLATE	SS400 OR SS275	6	3.0	

NOTE

1. MARK NO. : ~~VL-402~~, VL-302
2. 제작수량 : 1 SETS/SHIP
3. BLOCK NO.: ~~T223S(VL-402)~~, T23S0(VL-302)

TOTAL W.T : 80.4 KG/SET







DETAIL OF VERTICAL LADDER

※ STEP PITCH : 330 임에 유의할 것.

SHIP NO. 8140,8198/8199

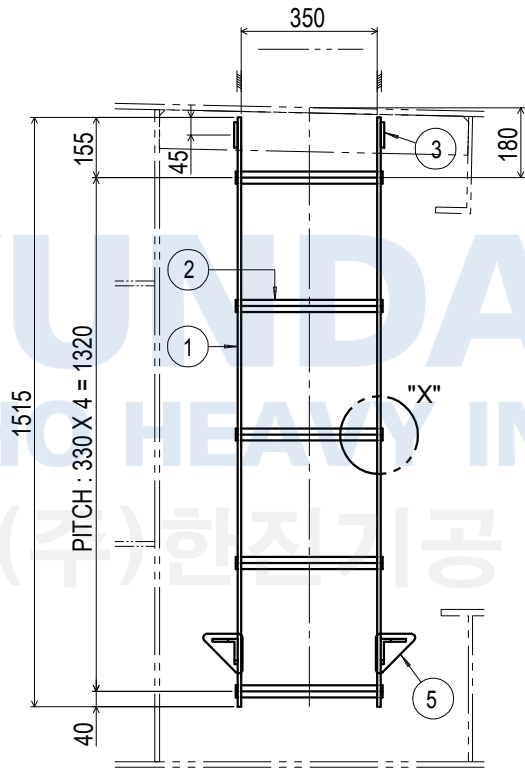
04

DWG NO. T13T0-C30-56BB

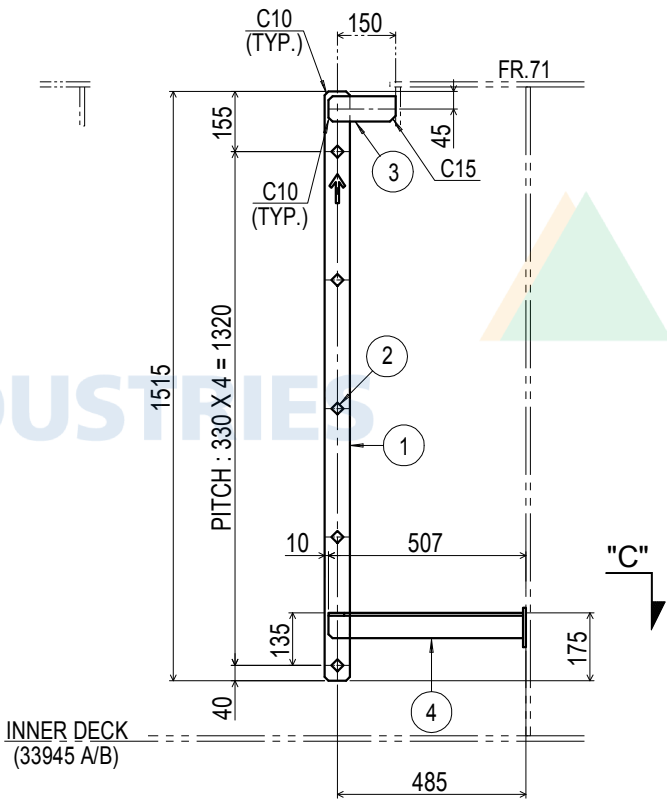
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
D17C0	VL-303	1	31.7	본도제작

D17C0

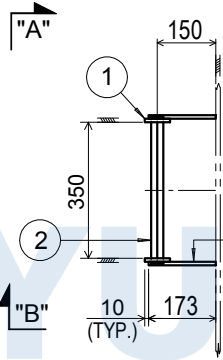
VIEW-"A"



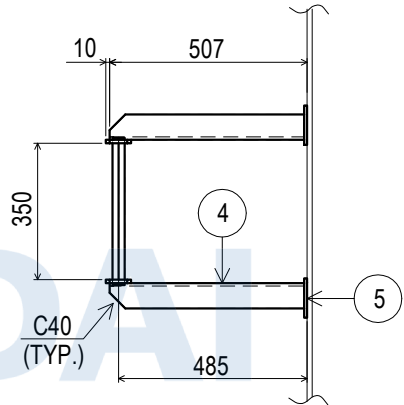
VIEW-"B"



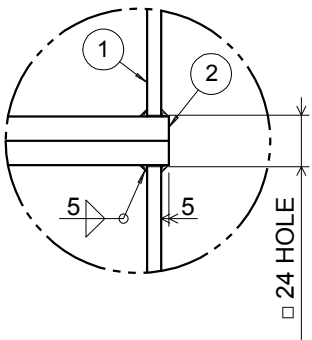
PLAN



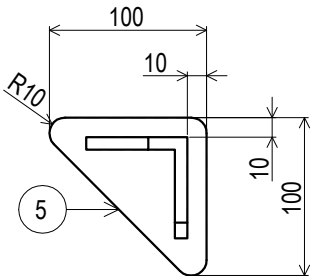
VIEW "C"



DETAIL OF "X"

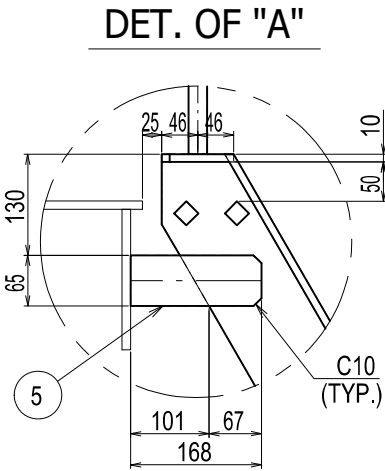


DETAIL OF PAD

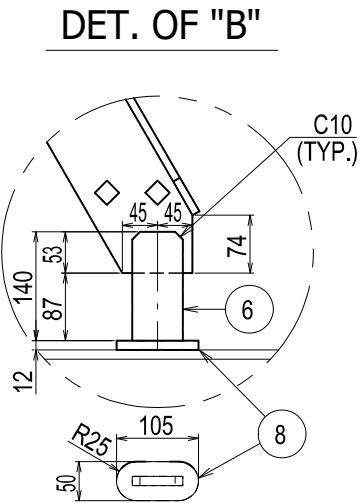
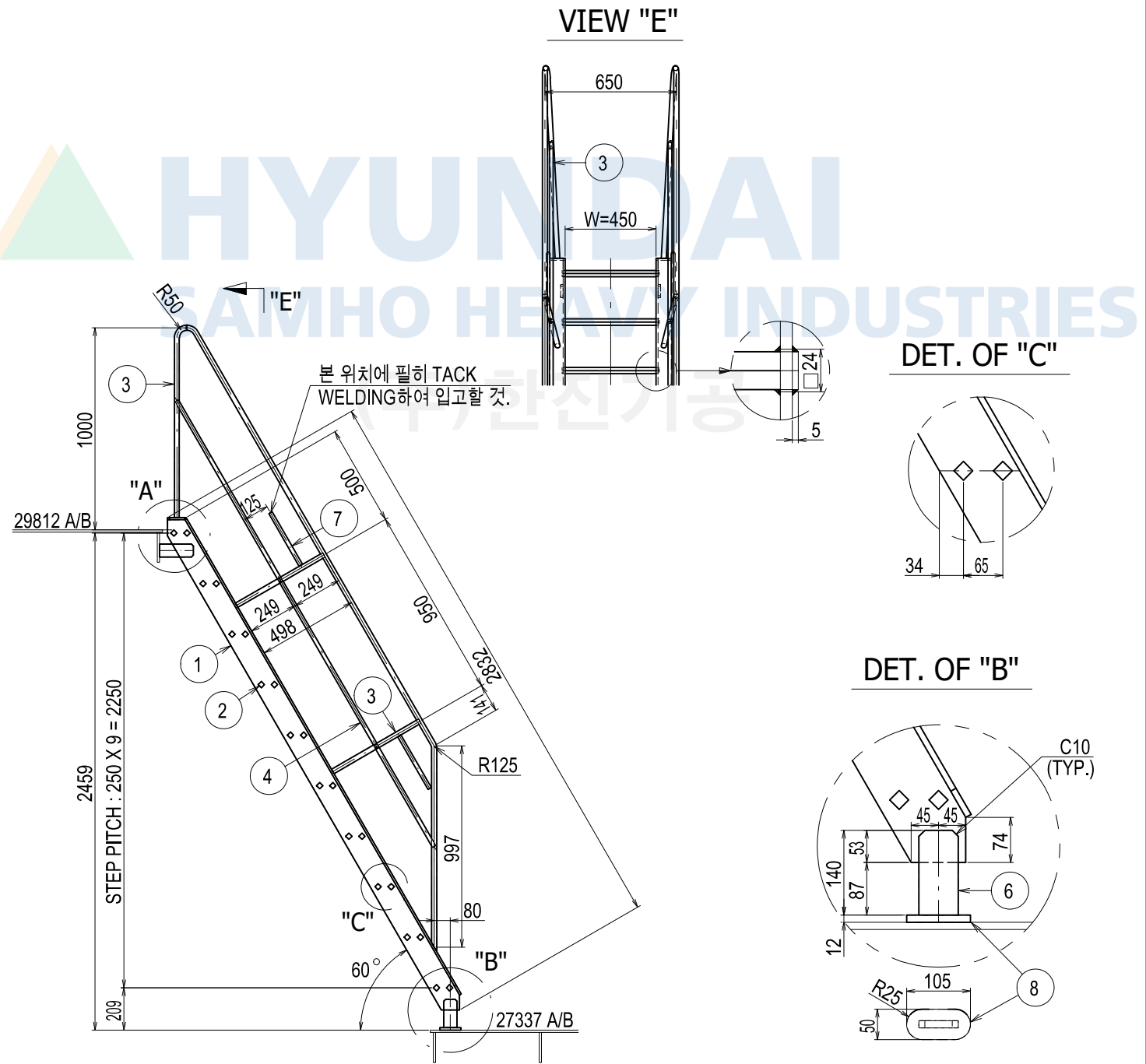


5	PAD	10t PLATE	SS400 or SS275	2	1.0	
4	LUG	65 X 65 X 8 EA	SS400 or SS275	2	7.8	
3	LUG	65 X 9t F.B	SS400 or SS275	2	1.7	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.2	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	14.0	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

DETAIL OF INCLINED LADDER			SHIP NO.	8140, 8198/8199				
			DWG NO.	T13T0-C30-56BB				
NO.	DESCRIPTION	SPEC.	MAT'L	Q'ty/set	W.T (KG)	REMARK		
1	SIDE FRAME	125x75x10t U.A	SS400 OR SS275	2	84.4			
2	STEP	□ 22 SQ. BAR	SS400 OR SS275	20	36.0			
3	HANDRAIL	Ø25 R.BAR	SS400 OR SS275	2	26.8			
4	MIDRAIL	Ø19 R.BAR	SS400 OR SS275	2	11.4			
5	UPPER LUG	65x12t F.B	SS400 OR SS275	2	2.0			
6	LOWER LUG	65x12t F.B	SS400 OR SS275	2	1.8			
7	VIB. PIECE	Ø19 R.BAR(L=300)	SS400 OR SS275	4	2.8			
8	PAD	12t PLATE	SS400 OR SS275	2	1.0			
				TOTAL W.T :		166.2 KG/SET		
BLOCK NO.		MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T2235</del>		<del>IL 401</del>	<del>1</del>	<del>본도제작</del>	T23S0	IL-301	1	본도제작

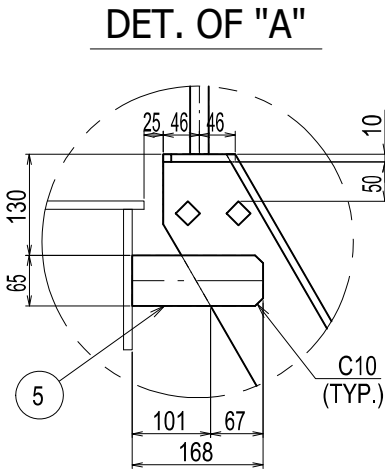


BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T2235</del>	<del>IL 401</del>	<del>1</del>	<del>본도제작</del>	T23S0	IL-301	1	본도제작

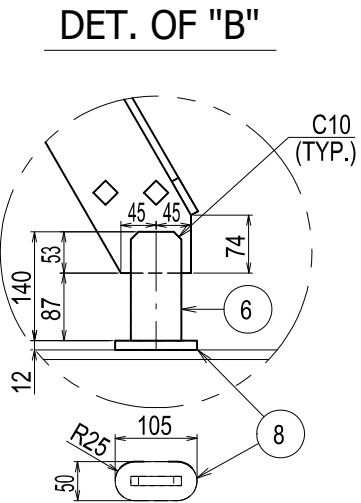
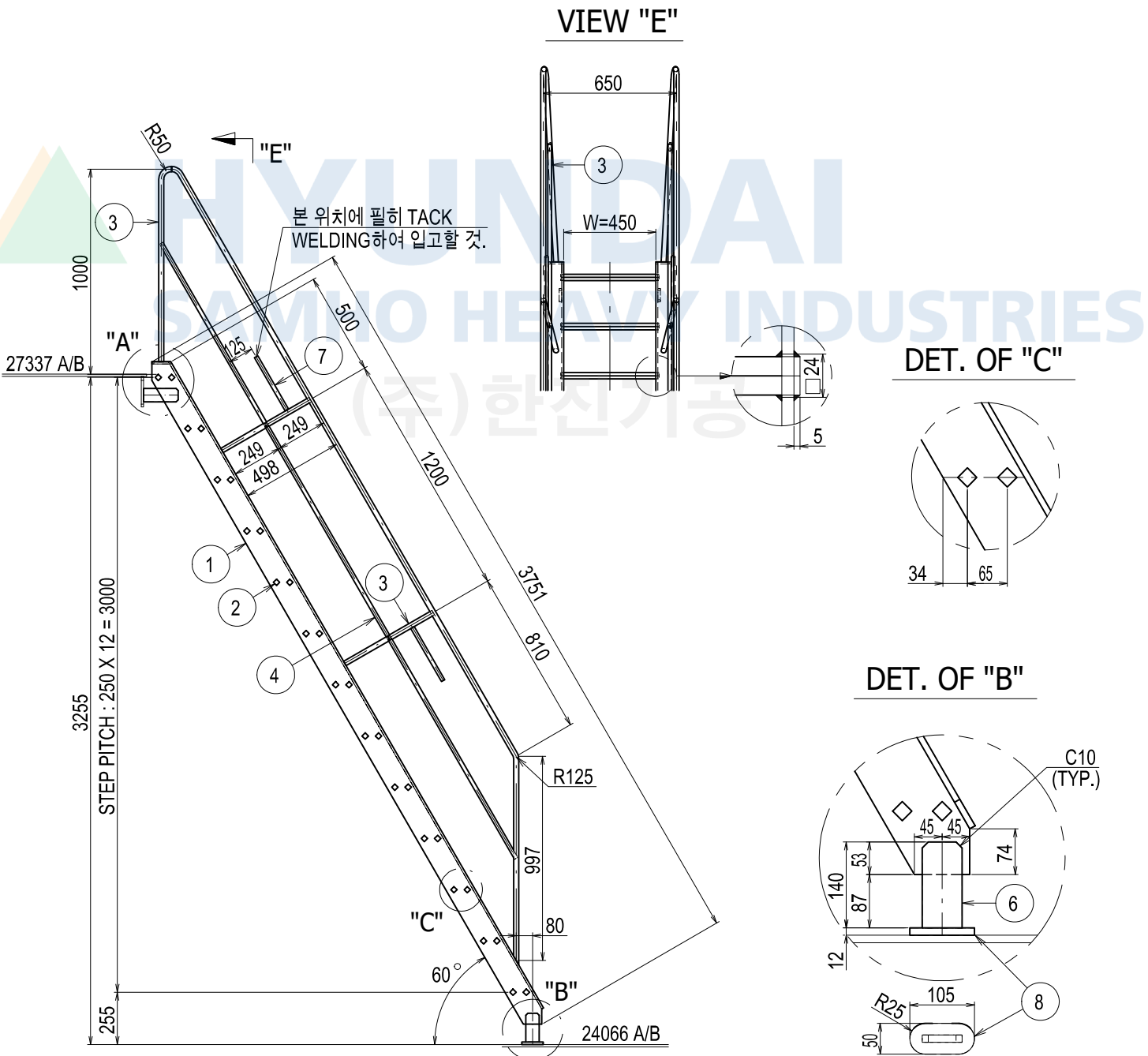


LADDER BREADTH : 450mm  
HANDRAIL BREADTH : 650mm

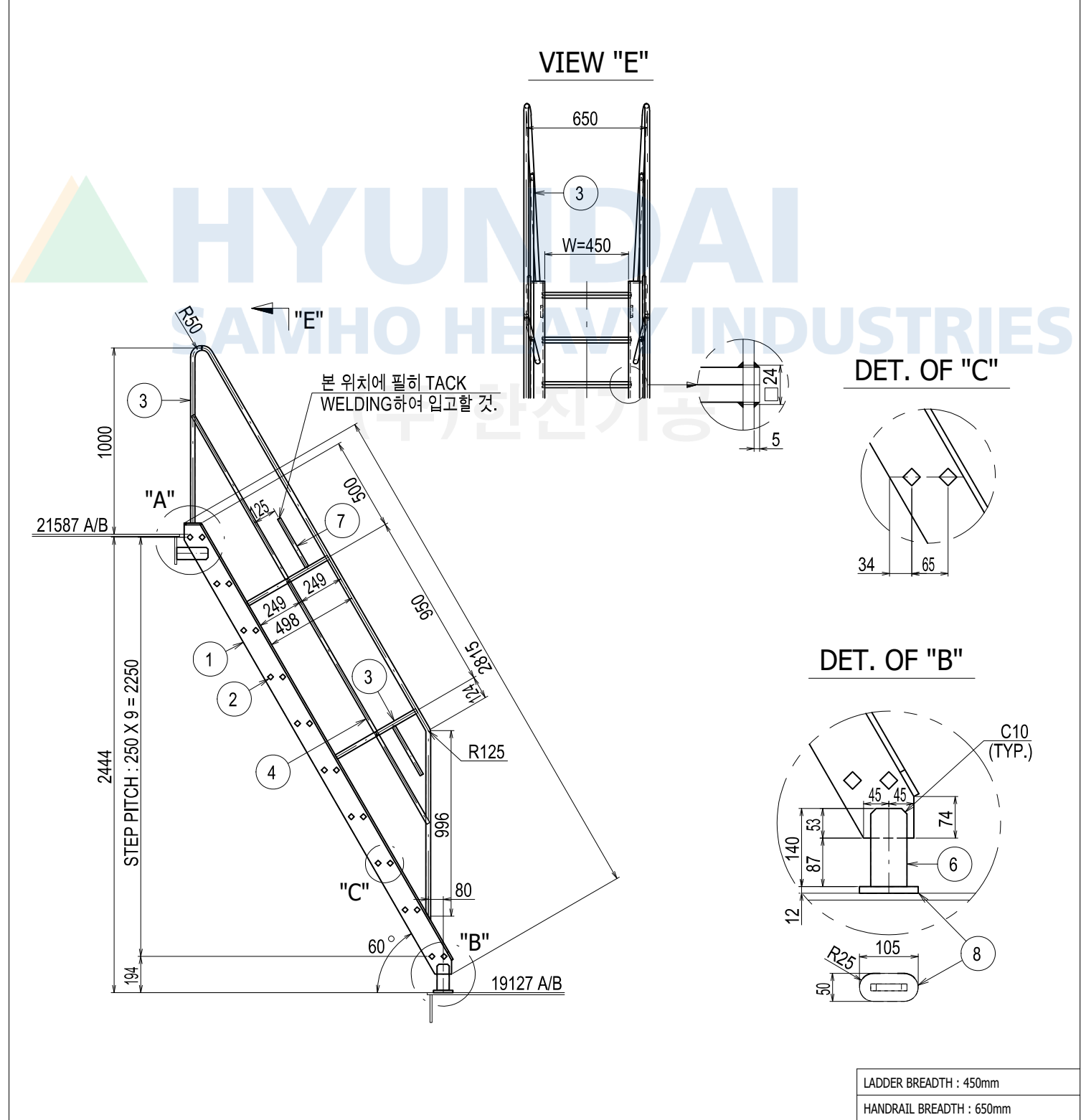
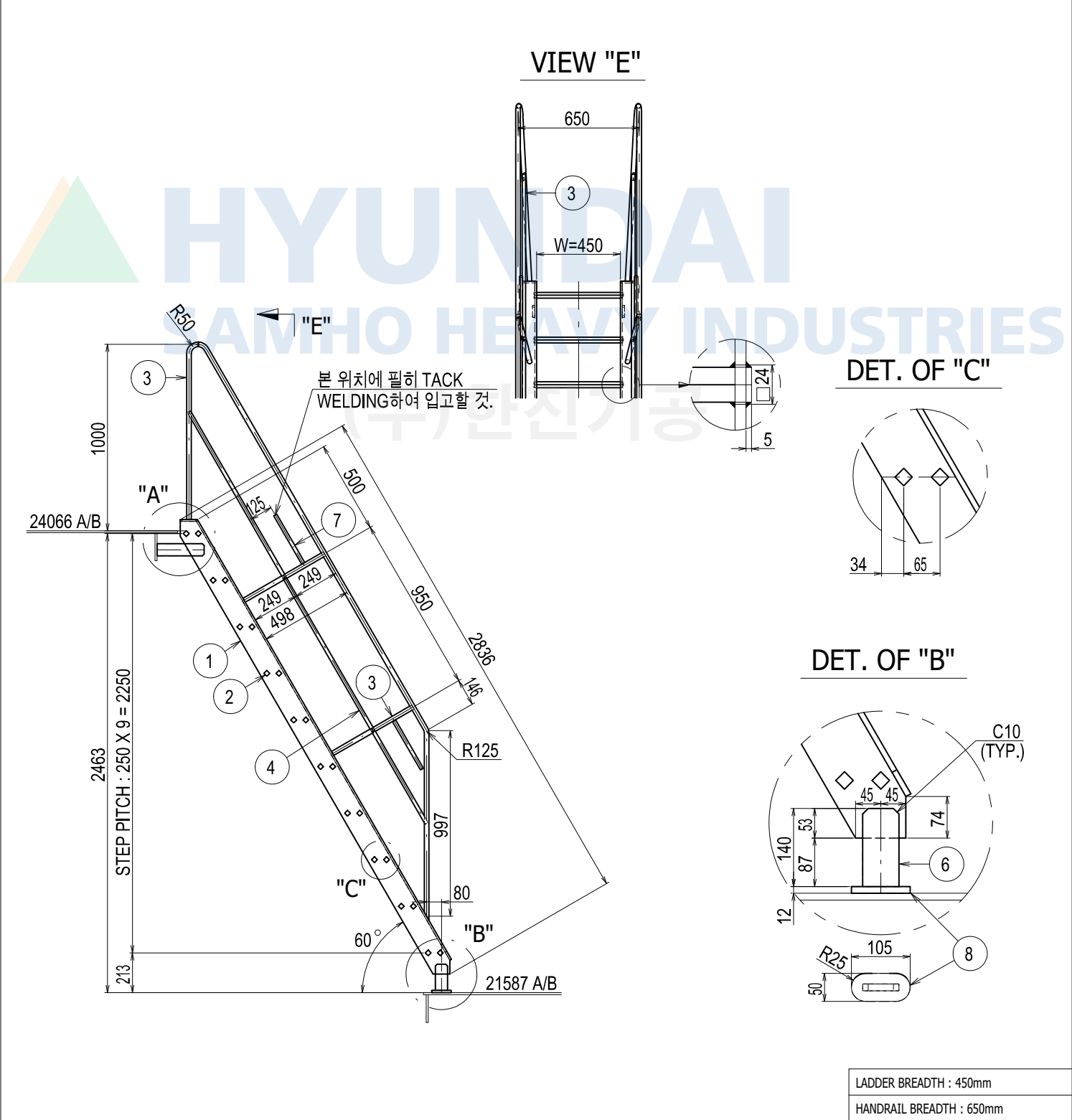
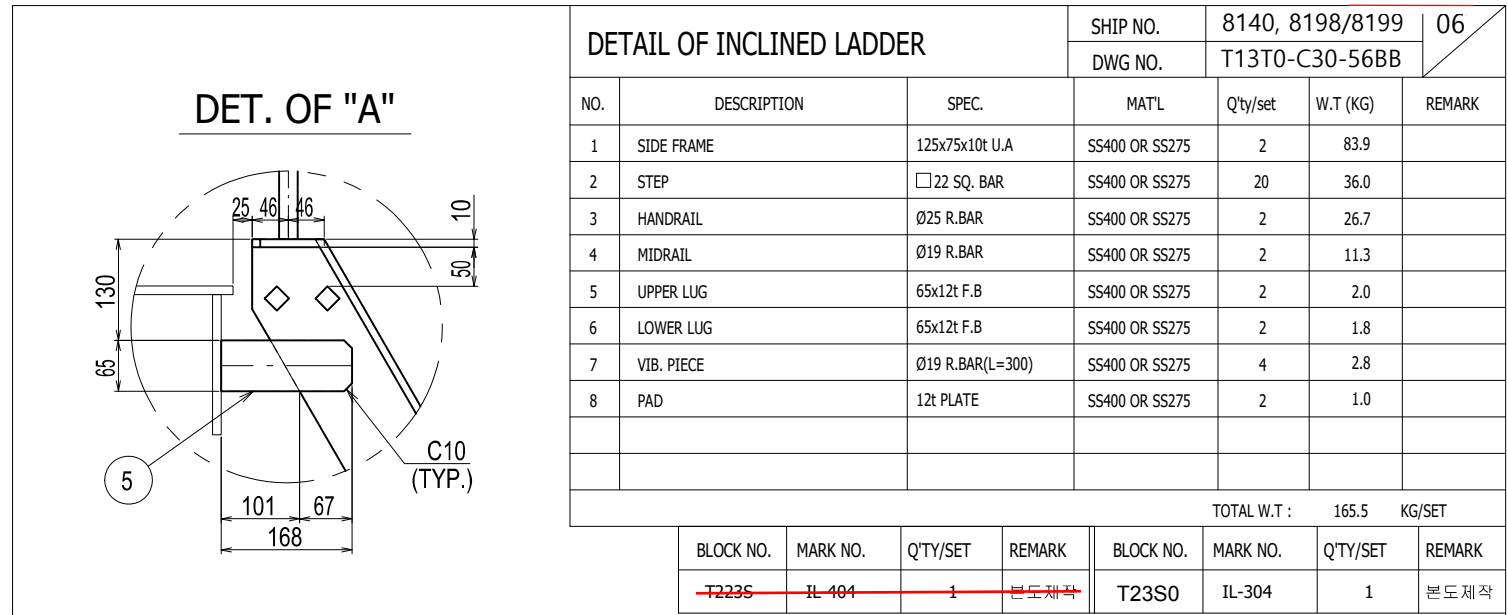
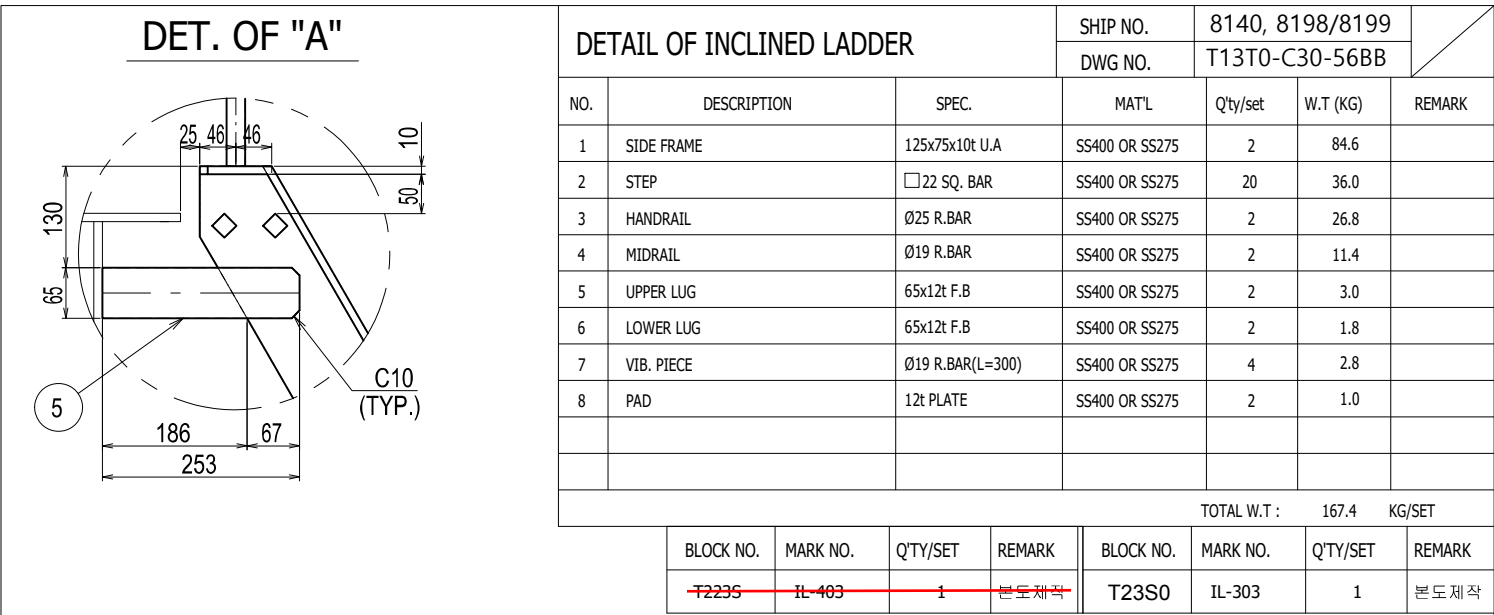
DETAIL OF INCLINED LADDER			SHIP NO.	8140, 8198/8199		05			
			DWG NO.	T13T0-C30-56BB					
NO.	DESCRIPTION	SPEC.	MAT'L	Q'ty/set	W.T (KG)	REMARK			
1	SIDE FRAME	125x75x10t U.A	SS400 OR SS275	2	111.8				
2	STEP	□ 22 SQ. BAR	SS400 OR SS275	26	46.8				
3	HANDRAIL	Ø25 R.BAR	SS400 OR SS275	2	31.4				
4	MIDRAIL	Ø19 R.BAR	SS400 OR SS275	2	15.5				
5	UPPER LUG	65x12t F.B	SS400 OR SS275	2	2.0				
6	LOWER LUG	65x12t F.B	SS400 OR SS275	2	1.8				
7	VIB. PIECE	Ø19 R.BAR(L=300)	SS400 OR SS275	4	2.8				
8	PAD	12t PLATE	SS400 OR SS275	2	1.0				
				TOTAL W.T : 213.1 KG/SET					
BLOCK NO.		MARK NO.	Q'TY/SET	REMARK	BLOCK NO.		MARK NO.	Q'TY/SET	REMARK
T2235		IL 402	1	본도제작	T23S0		IL-302	1	본도제작



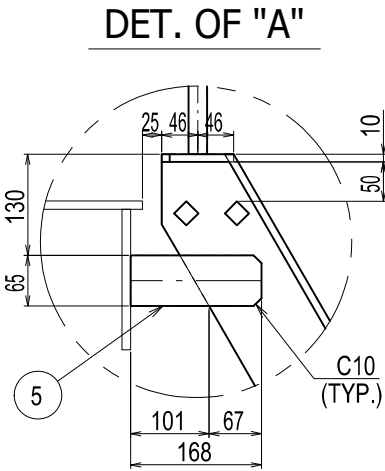
BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T2235</del>	<del>IL 402</del>	<del>1</del>	<del>본도제작</del>	T23S0	IL-302	1	본도제작



LADDER BREADTH : 450mm  
HANDRAIL BREADTH : 650mm



DETAIL OF INCLINED LADDER			SHIP NO.	8140, 8198/8199				
			DWG NO.	T13T0-C30-56BB				
NO.	DESCRIPTION	SPEC.	MAT'L	Q'ty/set	W.T (KG)	REMARK		
1	SIDE FRAME	125x75x10t U.A	SS400 OR SS275	2	83.3			
2	STEP	□ 22 SQ. BAR	SS400 OR SS275	20	36.0			
3	HANDRAIL	Ø25 R.BAR	SS400 OR SS275	2	26.6			
4	MIDRAIL	Ø19 R.BAR	SS400 OR SS275	2	11.2			
5	UPPER LUG	65x12t F.B	SS400 OR SS275	2	2.0			
6	LOWER LUG	65x12t F.B	SS400 OR SS275	2	1.8			
7	VIB. PIECE	Ø19 R.BAR(L=300)	SS400 OR SS275	4	2.8			
8	PAD	12t PLATE	SS400 OR SS275	2	1.0			
9	STIFFENER	100x75x10t U.A	SS400 OR SS275	2	11.7			
10	SUPPORT	75x75x9t E.A	SS400 OR SS275	1	9.4			
				TOTAL W.T :		185.8 KG/SET		
BLOCK NO.		MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T223S</del>		<del>IL-405</del>	<del>1</del>	<del>본도제작</del>	T23S0	IL-305	1	본도제작



# DET. OF "A"

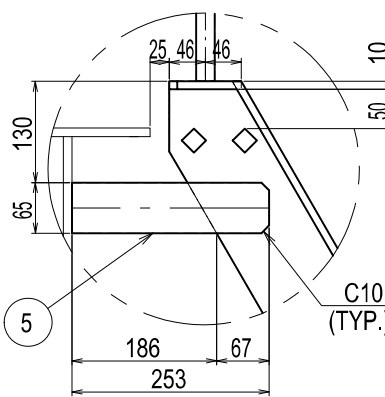
Technical drawing showing a detail of a ship's structure, labeled "DET. OF 'A'". The drawing includes dimensions and a callout for a typical section C10 (TYP.).

Dimensions:

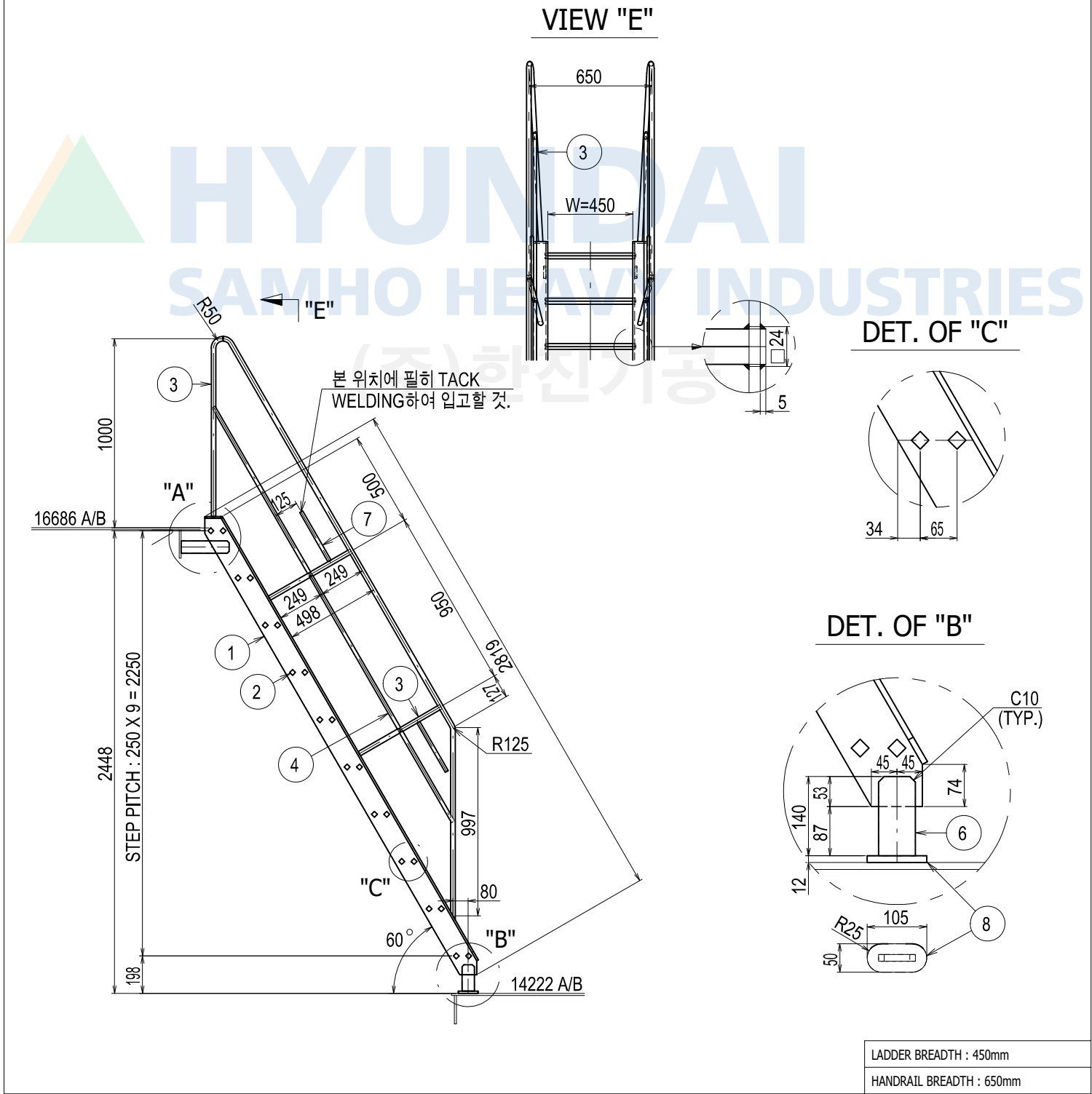
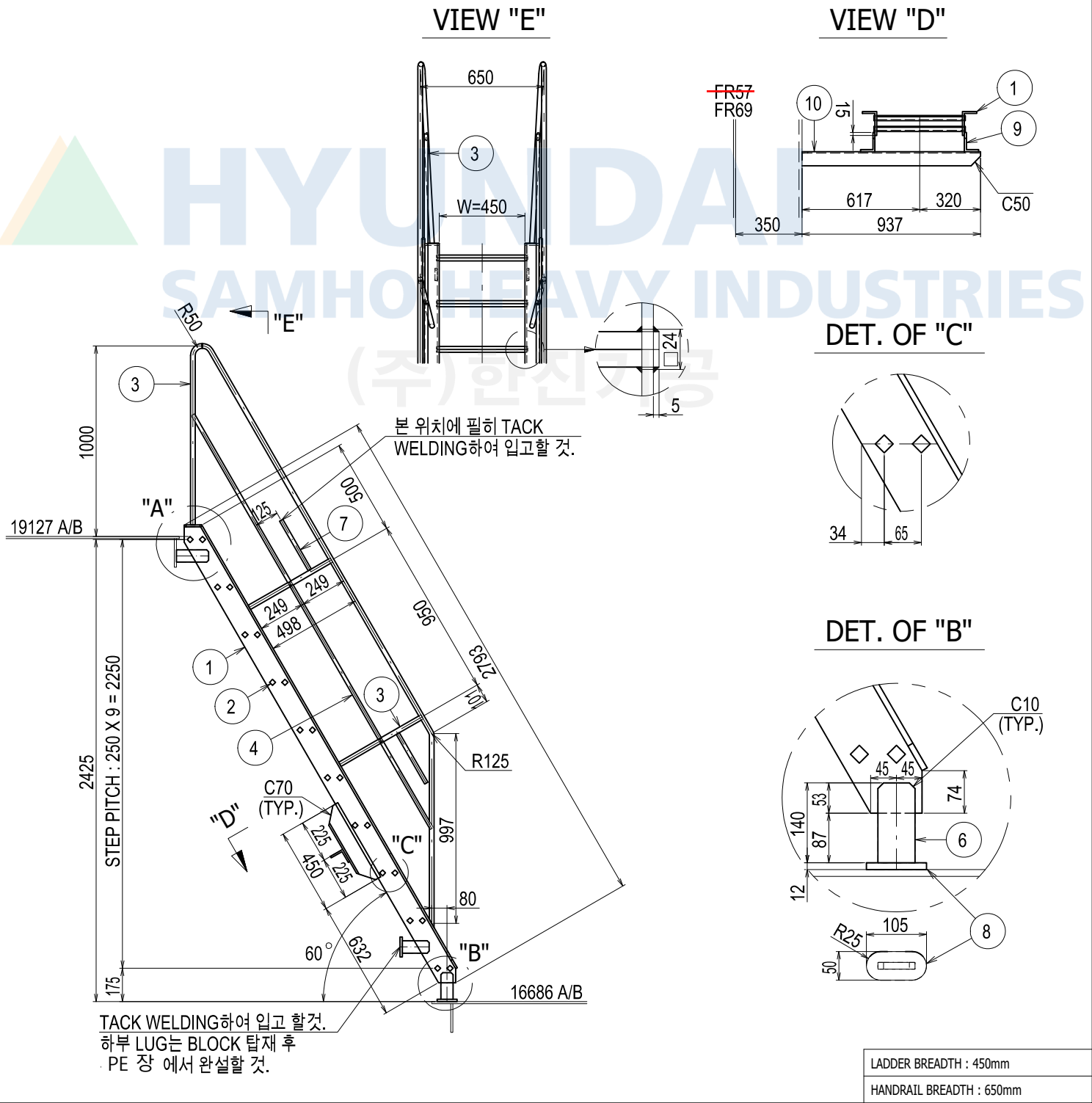
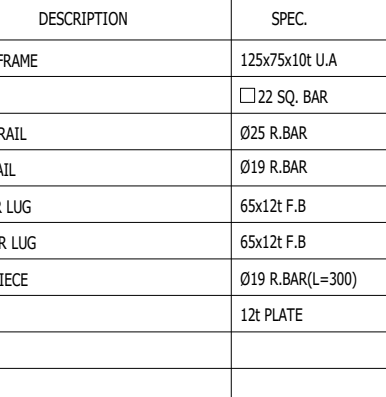
- Overall height: 130
- Height of the lower section: 65
- Height of the upper section: 50
- Top flange thickness: 10
- Top flange width: 25
- Top flange width (center): 46
- Top flange width (center): 46
- Bottom flange width: 186
- Bottom flange width (center): 67
- Bottom flange width (center): 253

Callout: C10 (TYP.)

Reference: 5

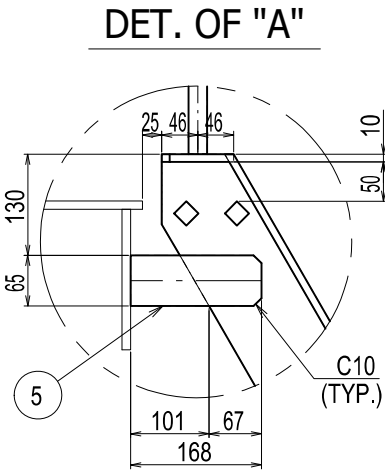


DETAIL OF INCLINED LADDER			SHIP NO.	8140, 8198/8199		07		
			DWG NO.	T13T0-C30-56BB				
NO.	DESCRIPTION	SPEC.	MAT'L	Q'ty/set	W.T (KG)	REMARK		
1	SIDE FRAME	125x75x10t U.A	SS400 OR SS275	2	84.1			
2	STEP	□ 22 SQ. BAR	SS400 OR SS275	20	36.0			
3	HANDRAIL	Ø25 R.BAR	SS400 OR SS275	2	26.7			
4	MIDRAIL	Ø19 R.BAR	SS400 OR SS275	2	11.3			
5	UPPER LUG	65x12t F.B	SS400 OR SS275	2	3.0			
6	LOWER LUG	65x12t F.B	SS400 OR SS275	2	1.8			
7	VIB. PIECE	Ø19 R.BAR(L=300)	SS400 OR SS275	4	2.8			
8	PAD	12t PLATE	SS400 OR SS275	2	1.0			
				TOTAL W.T :		166.7 KG/SET		
BLOCK NO.		MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>		<del>IL-406</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-306	1	본도제작



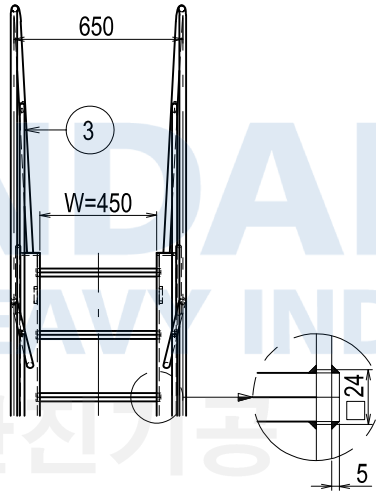


DETAIL OF INCLINED LADDER			SHIP NO.	8140, 8198/8199			
			DWG NO.	T13T0-C30-56BB			
NO.	DESCRIPTION	SPEC.	MAT'L	Q'ty/set	W.T (KG)	REMARK	
1	SIDE FRAME	125x75x10t U.A	SS400 OR SS275	2	83.4		
2	STEP	□ 22 SQ. BAR	SS400 OR SS275	20	36.0		
3	HANDRAIL	Ø25 R.BAR	SS400 OR SS275	2	26.6		
4	MIDRAIL	Ø19 R.BAR	SS400 OR SS275	2	11.2		
5	UPPER LUG	65x12t F.B	SS400 OR SS275	2	2.0		
6	LOWER LUG	65x12t F.B	SS400 OR SS275	2	1.8		
7	VIB. PIECE	Ø19 R.BAR(L=300)	SS400 OR SS275	4	2.8		
8	PAD	12t PLATE	SS400 OR SS275	2	1.0		
				TOTAL W.T : 164.8		KG/SET	
BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>	<del>IL 407</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-307	1	본도제작

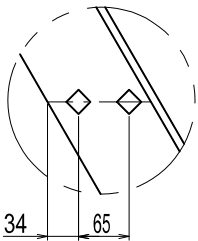


BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>	<del>IL 407</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-307	1	본도제작

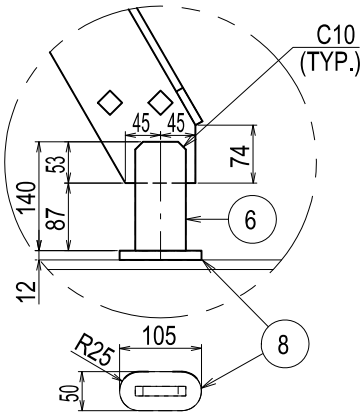
VIEW "E"



DET. OF "C"

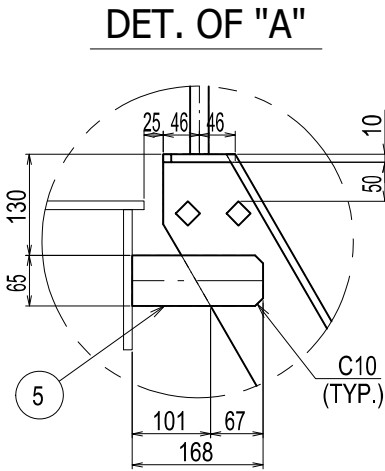


DET. OF "B"



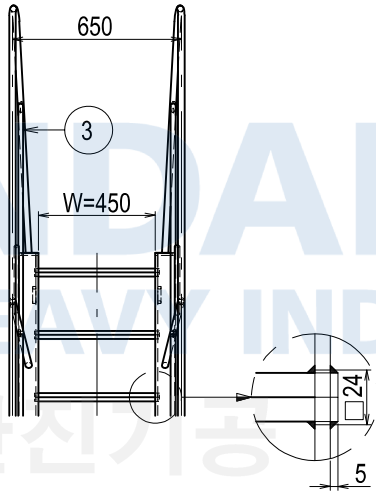
LADDER BREADTH : 450mm  
HANDRAIL BREADTH : 650mm

DETAIL OF INCLINED LADDER			SHIP NO.	8140, 8198/8199		08	
			DWG NO.	T13T0-C30-56BB			
NO.	DESCRIPTION	SPEC.	MAT'L	Q'ty/set	W.T (KG)	REMARK	
1	SIDE FRAME	125x75x10t U.A	SS400 OR SS275	2	82.7		
2	STEP	□ 22 SQ. BAR	SS400 OR SS275	20	36.0		
3	HANDRAIL	Ø25 R.BAR	SS400 OR SS275	2	26.5		
4	MIDRAIL	Ø19 R.BAR	SS400 OR SS275	2	11.2		
5	UPPER LUG	65x12t F.B	SS400 OR SS275	2	2.0		
6	LOWER LUG	65x12t F.B	SS400 OR SS275	2	1.8		
7	VIB. PIECE	Ø19 R.BAR(L=300)	SS400 OR SS275	4	2.8		
8	PAD	12t PLATE	SS400 OR SS275	2	1.0		
TOTAL W.T :						164.0 KG/SET	
BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>	<del>IL 408</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-308	1	본도제작

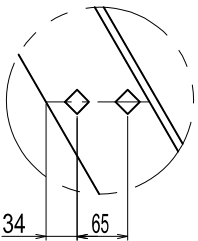


BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>	<del>IL 408</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-308	1	본도제작

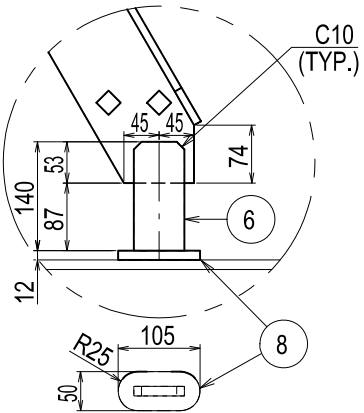
VIEW "E"



DET. OF "C"



DET. OF "B"



LADDER BREADTH : 450mm  
HANDRAIL BREADTH : 650mm

Technical drawing of a C10 (TYP.) component. The drawing shows a cross-section of a mechanical part with various dimensions and callouts. The main dimensions are: 130 (total height), 65 (height of the lower section), 186 (width of the lower section), 253 (total width), 67 (width of the upper section), 25 (width of the top flange), 46 (width of the top flange), 46 (width of the top flange), 10 (height of the top flange), 50 (height of the top flange), and 65 (height of the lower section). The component is labeled C10 (TYP.) and has a callout 5 pointing to a specific feature.

BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>	<del>IL-409</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-309	1	본도제작

[illegible][illegible]

BLOCK NO.	MARK NO.	Q'TY/SET	REMARK	BLOCK NO.	MARK NO.	Q'TY/SET	REMARK
<del>T123S</del>	<del>IL 410</del>	<del>1</del>	<del>본도제작</del>	T13S0	IL-310	1	본도제작

650

3

W=450

24

5

본 위치에 필히 TACK WELDING하여 입고할 것.

1200

3507

566

3

R125

997

80

225

225

50

60°

643

3200 A/B

Technical drawing of a cross-section of a concrete slab with a steel reinforcement profile. The drawing shows a concrete slab (C50) with a steel reinforcement profile (FR58 or FR70) embedded in it. The total width of the slab is 884 mm. The width of the concrete slab on the left side of the reinforcement is 320 mm, and on the right side, it is 564 mm. The total width of the reinforcement profile is 399 mm. The height of the reinforcement profile is 15 mm. The drawing is labeled with 'C50' for the concrete and 'FR58' or 'FR70' for the reinforcement. There are also labels '9' and '10' in circles, and '1' in a circle, pointing to different parts of the assembly.

LADDER BREADTH : 450mm

HANDRAIL BREADTH : 650mm