

PLAN HISTORY

DATE	REV. NO.	DESCRIPTION	DRAWN	CHKD	APPRD
2022. 05. 10	0	* 8060/8061호선 LADDER & PLATFORM(T-BOX) 제작 도면으로 작성함.	고 상 우	김 유 만	김 동 휘

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
* PAINT CODE는 납기 LSIT 참조하여 시공 할 것.							
ITEM		IN SIDE & OUT SIDE			IN SIDE	OUT SIDE	
외주 MAKER PAINT 시공범위		FINAL	SHOP PRIMER	PRIMER			

NOTE

1. 본도는 LADDER & PLATFORM (T-BOX) 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.

SHEER :

CAMBER :

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 니뿔 : JIS B 1575 A-PT1/8" BALL TYPE 러버 캡을 씌울것.[재질:브라스(BRASS)]

10. P.O.R NO: JTX

11. TOTAL WEIGHT : 750.6 KG/SHIP

12. 도면상 재질 SS400 = SS400(JIS) OR SS275(KR)


(14 SHEETS WITH COVER)

DEP'T NO. B026	SHIP NO. 8060/8061	SHIP TYPE 15,300 TEU CLASS CONTAINER CARRIER	
TEL. NO. 2862	SHIP DESIGN OFFICE 선 장 설 계 부	SHIP NAME	
APPROVED BY 김 동 휘 CHECKED BY 김 유 만 DRAWN BY 고 상 우		TITLE LADDER & PLATFORM (T-BOX) (NO.3 ~ NO.1 HOLD) 제 작 도	
<div><div></div><div>Hyundai Samho Heavy Industries Co., Ltd Samho Shipyard Korea</div></div>		SCALE	DWG NO. T24T0-B21-56BB-0
		DATE 2022. 05. 10	CONSOLIDATED NO.

08060-T24T0B2156BB-000

HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD.

A3 (420x297)

	제작사양서(외주구매용)	제품품별 납기 LIST						SHIP NO.	8060/8061	01
								DWG NO.	T24T0-B21-56BB	

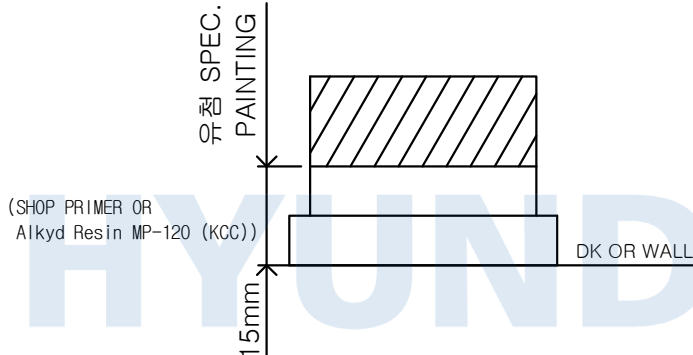
1. GALV. 두께 : HOT DIP GALV. 55~80μ (단, BOLT/NUT류는 45~65μ 시공)

2. GREASE NIPPLE은 FULL GREASING하고 규정된 고무 CAP을 씌울 것.

3. SS400이 아닌 재질의 BOLT/NUT는 재질을 PUNCHING 할 것.

4. 도장 : 유첨 SPEC. 에 준하되 특히 DECK에 취부되는 부위는
DECK OR WALL에서 15mm까지는 SHOP PRIMER 시공 할 것.

5. HOT-DIP GALV. : DECK/WALL 에서 취부되는 부위는 DECK/WALL에서 15mm까지는
ALKYD RESIN MP-120(KCC) COATING 하여 도금이 되지 않도록 할 것.



6. GALV. 용 HOLE 시공할 경우는 GALV. 후 메공하고 GALV. 손상부위 수정 후 입고 할 것.

7. 납품시 P.O.R SHEET와 유첨도를 첨부 할 것.

8. MAKER CERTIFICATE (특수재료는 MILL SHEET)를 첨부 할 것.

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)

10. 의장품 자재 PALLET 고박용 번선 및 고박 ITEM에 대한 묶음 WIRE(철사)는 필히
부식 방지용 COATING WIRE를 사용하여 입고 시킬 것.

11. 의장품 자재 입고시 상.하.좌.우로 움직일수 있는 항목들은 상기 10)번항에 의거하여
반드시 고박하여 입고할것. (안전사고 사전방지)

12. 납품시 하기 참고하여 입고 할 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.

P.O.R NO.	SEQ. NO.	BLOCK	STAGE	MARK NO.	DESCRIPTION	PAINT CODE	Q'TY /SHIP	WEIGHT (KG/SET)	설치부서	
JTX	01	T17P0		CS	VL-351	VERTICAL LADDER (NO. 3F HOLD)	P1	1	96.8	BX1
	02	T17P0			VL-352P	VERTICAL LADDER (NO. 3F HOLD)		1	24.8	
	03	T17S0			VL-352S	VERTICAL LADDER (NO. 3F HOLD)		1	24.8	
	04	T47P0			VL-201	VERTICAL LADDER (NO. 2A HOLD)		1	96.3	
	05	T47P0			VL-202P	VERTICAL LADDER (NO. 2A HOLD)		1	25.2	
	06	T47S0			VL-202S	VERTICAL LADDER (NO. 2A HOLD)		1	25.2	
	07	T38P0			VL-251	VERTICAL LADDER (NO. 2F HOLD)		1	54.0	
	08	T38P0			VL-252P	VERTICAL LADDER (NO. 2F HOLD)		1	25.2	
	09	T38S0			VL-252S	VERTICAL LADDER (NO. 2F HOLD)		1	25.2	
	10	T48P0		↓	VL-101	VERTICAL LADDER (NO. 1A HOLD)		1	54.0	
	11	S62BL(P)		BS	VL-102P	VERTICAL LADDER (NO. 1A HOLD)		1	25.7	B-LOT
	12	S62BL(S)		↓	VL-102S	VERTICAL LADDER (NO. 1A HOLD)		1	25.7	
	13	T48S0		CS	VL-103S	VERTICAL LADDER (NO. 1A HOLD)		1	24.5	BX1
	14	T19C0			VL-151	VERTICAL LADDER (NO. 1F HOLD)		1	54.0	BX1A
	15	T19C0			VL-152P	VERTICAL LADDER (NO. 1F HOLD)		1	25.1	
	16	T19C0			VL-152S	VERTICAL LADDER (NO. 1F HOLD)		1	25.1	BX1M
	17	T17P0			PF-351	PLATFORM (NO. 3F HOLD)		1	49.5	BX1
	18	T47P0			PF-201	PLATFORM (NO. 2A HOLD)		1	49.5	
	19	T38P0			LE-211	LIFTING EYE (NO. 2F HOLD)		2	2.5	
	20	T38S0			LE-211	LIFTING EYE (NO. 2F HOLD)		2	2.5	
	21	T48S0			LE-101	LIFTING EYE (NO. 1A HOLD)		2	2.5	
	22	T19C0		↓	LE-111	LIFTING EYE (NO. 1F HOLD)	↓	2	2.5	BX1M
TOTAL WEIGHT : 750.6 Kg/SHIP										

DETAIL OF VERTICAL LADDER

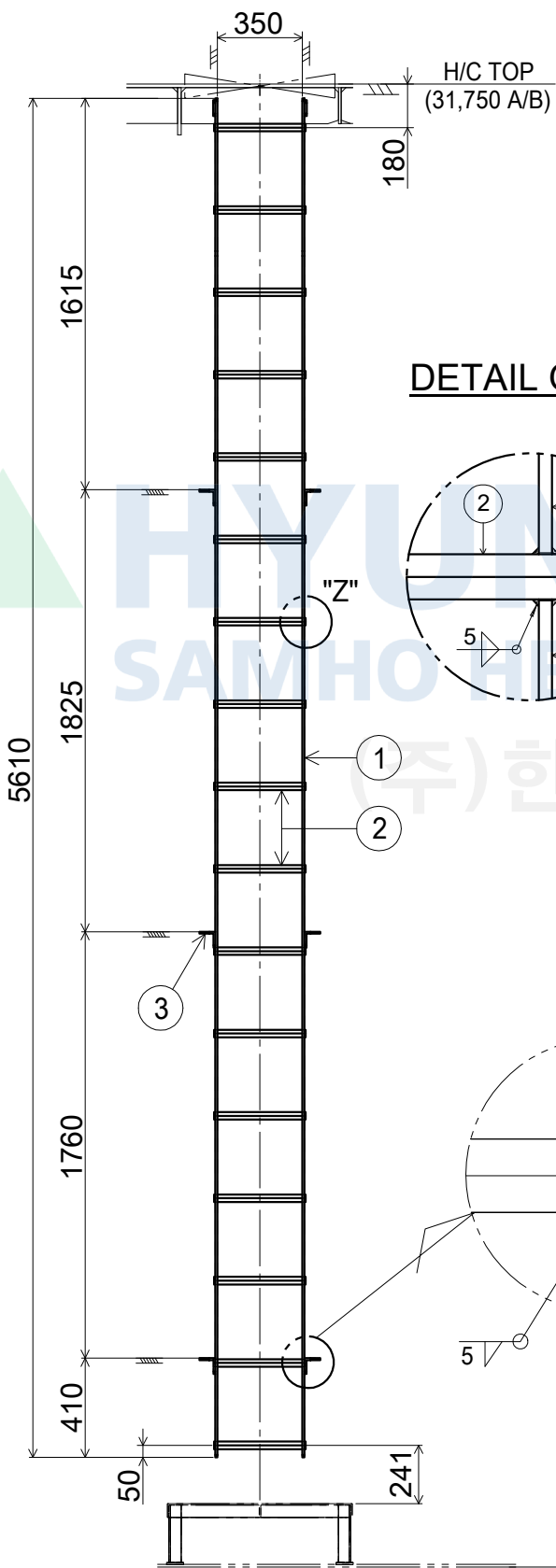
SHIP NO.	8060/8061	02
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T17P0	VL-351	1	96.8	본도제작

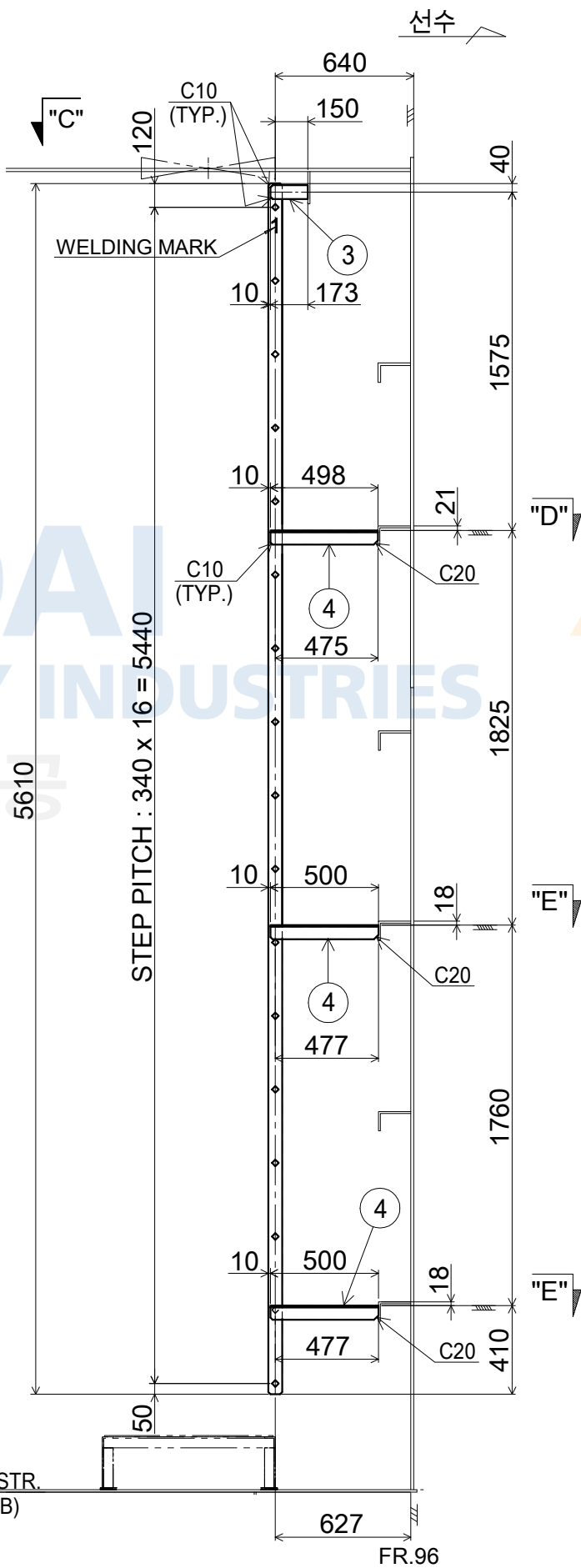
설치 BLOCK

T17P0

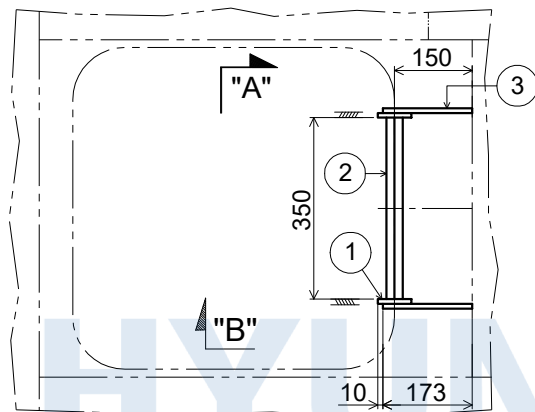
VIEW - "A"



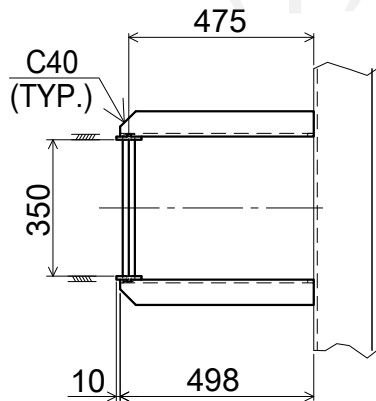
VIEW - "B"



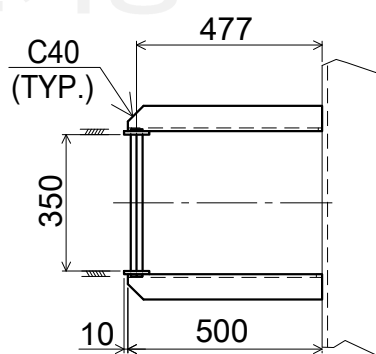
PLAN
(VIEW - "C")



VIEW - "D"



VIEW - "E"



4	LUG(UNDER)	65 X 65 X 6t E.A	SS400	6	18.5	
3	LUG(UPPER)	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	17	24.4	
1	SIDE FRAME	65 X 9t F.B	SS400	2	52.3	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF VERTICAL LADDER

SHIP NO.	8060/8061	03
DWG NO.	T24T0-B21-56BB	

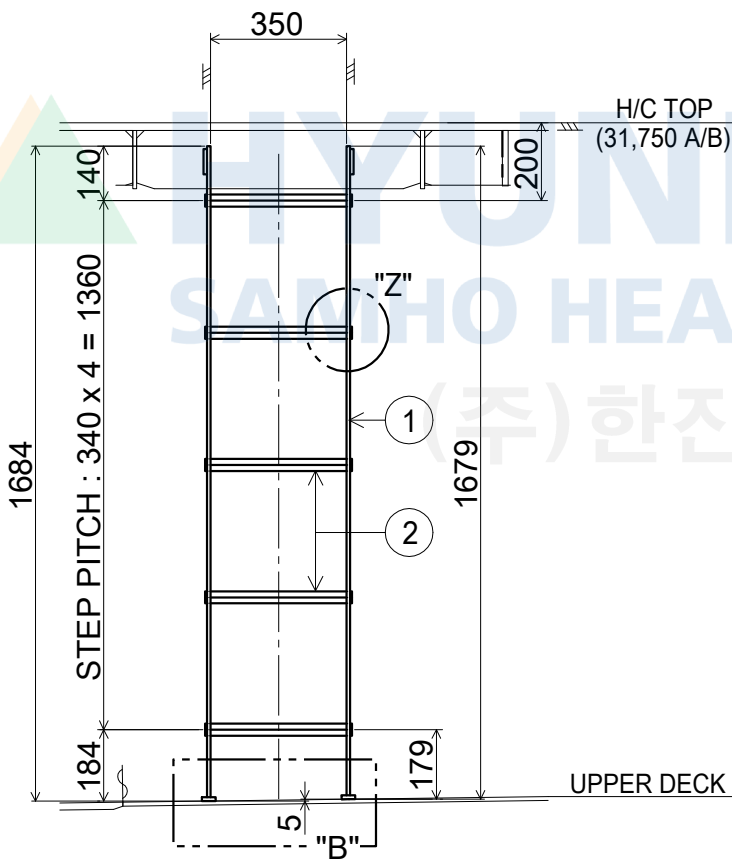
NOTE
1. 본도는 PORT SIDE(MARK NO. : VL-352P)를 나타냈으며,
STB'D SIDE (MARK NO. : VL-352S)는 대칭 제작 할 것.
2. DECK CAMBER 적용으로 제작시 주의하여 제작 할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T17P0	VL-352P	1	24.8	본도제작
T17S0	VL-352S	1	24.8	대칭제작

설치 BLOCK

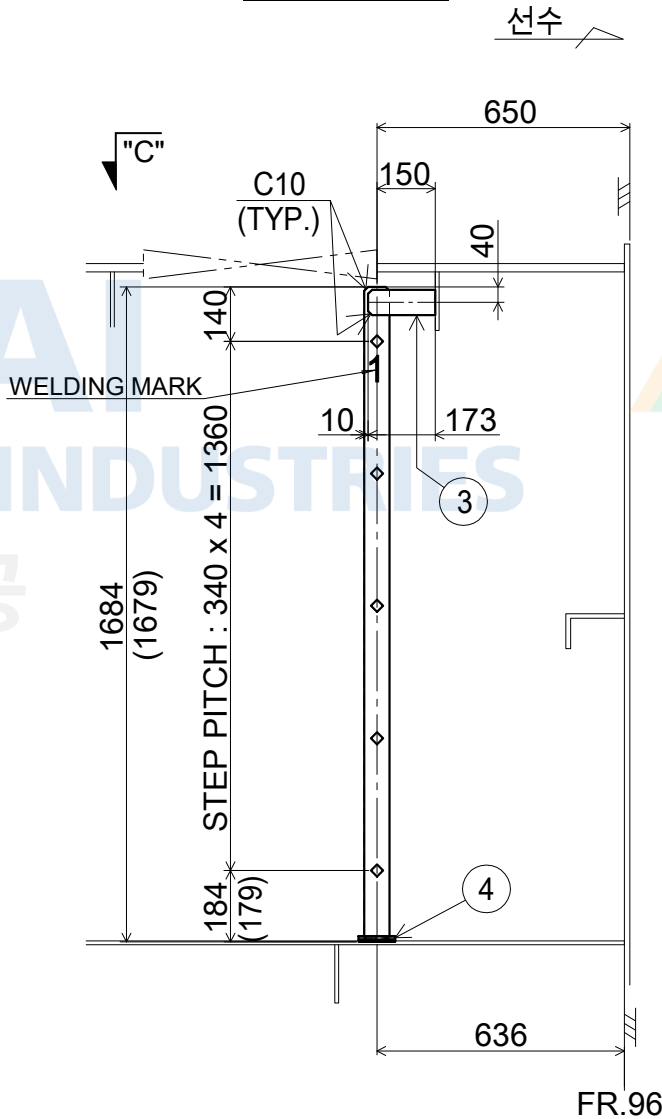
T17P0
T17S0

VIEW - "A"

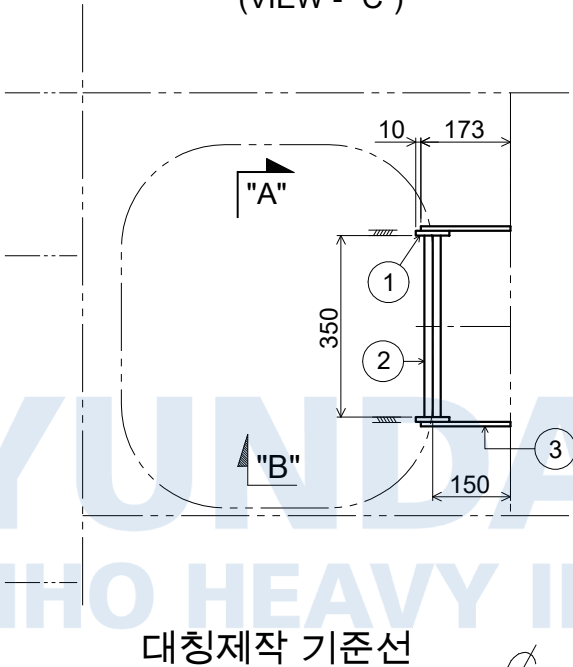


대칭제작 기준선

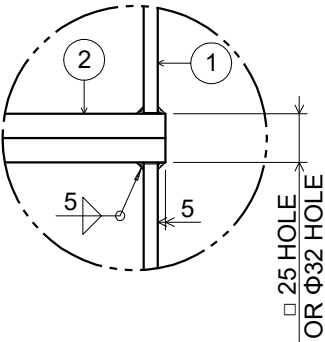
VIEW - "B"



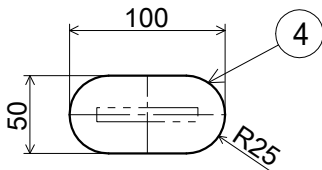
PLAN
(VIEW - "C")



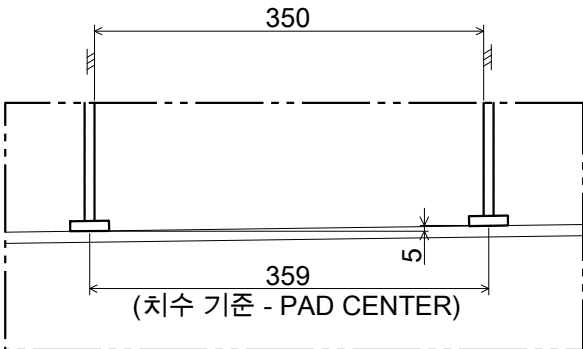
DETAIL OF "Z"



DET. OF "PAD"



DETAIL - "B"



4	PAD	9t PLATE	SS400	2	0.7	
3	LUG(UPPER)	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	15.3	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

DETAIL OF VERTICAL LADDER

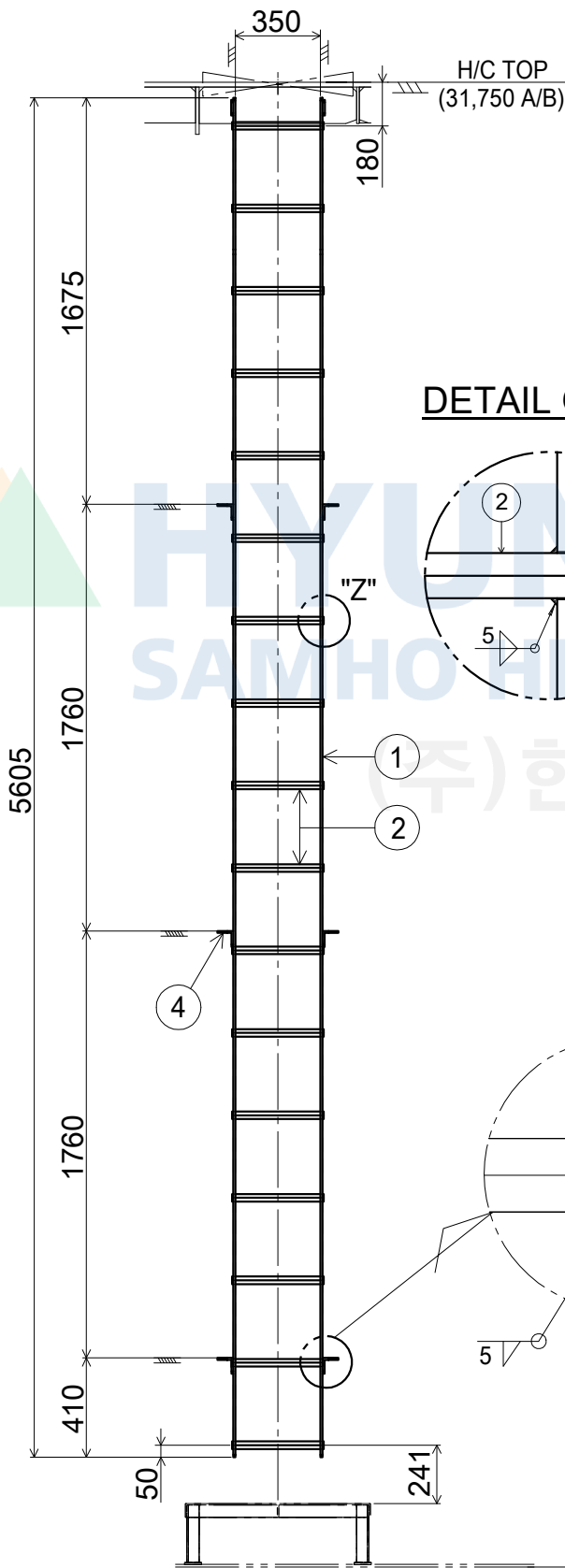
SHIP NO.	8060/8061	04
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T47P0	VL-201	1	96.3	본도제작

설치 BLOCK

T47P0

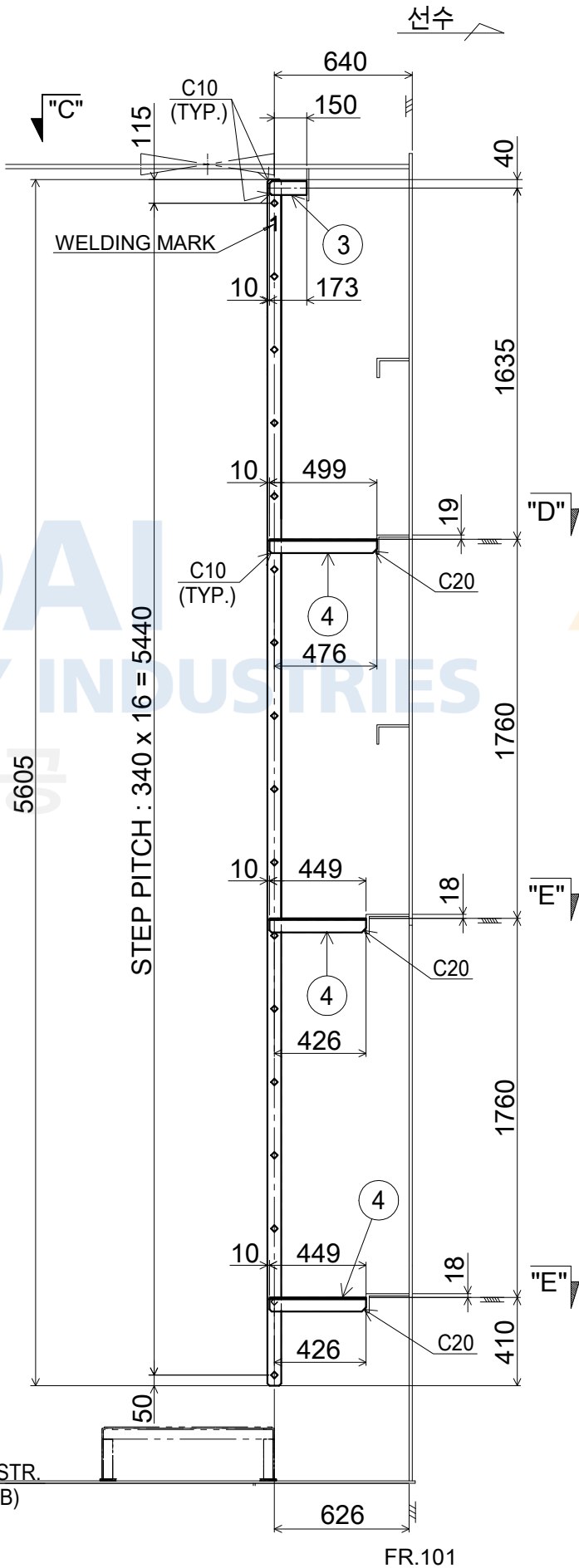
VIEW - "A"



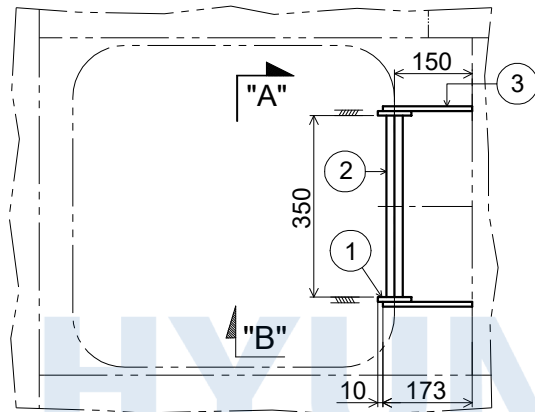
DETAIL OF "Z"



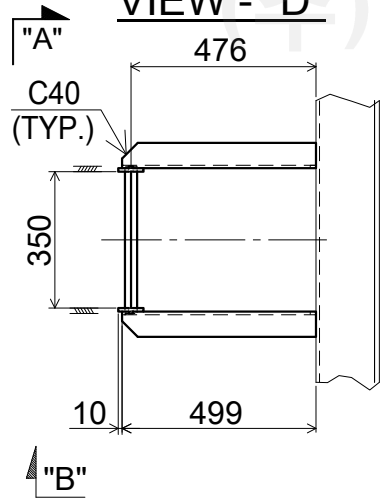
VIEW - "B"



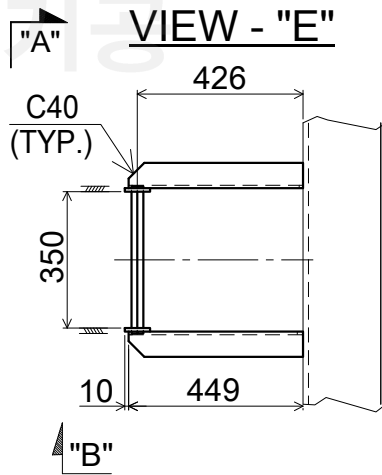
PLAN
(VIEW - "C")



VIEW - "D"



VIEW - "E"



4	LUG(UNDER)	65 X 65 X 6t E.A	SS400	6	18.0	
3	LUG(UPPER)	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	17	24.4	
1	SIDE FRAME	65 X 9t F.B	SS400	2	52.3	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF VERTICAL LADDER

SHIP NO.	8060/8061	05
DWG NO.	T24T0-B21-56BB	

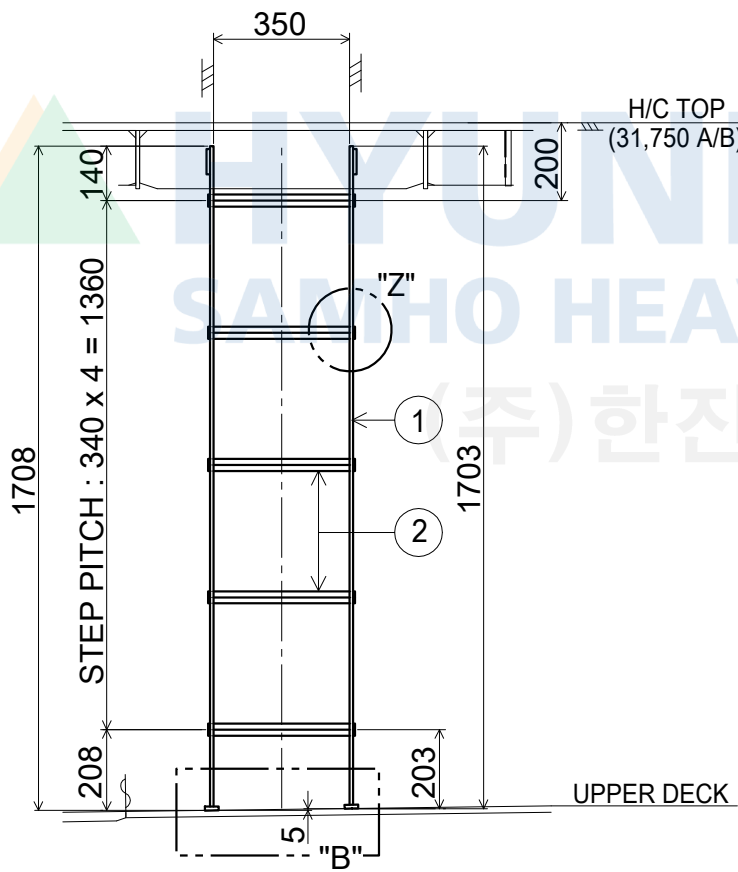
NOTE
1. 본도는 PORT SIDE(MARK NO. : VL-XXXP)를 나타냈으며,
STB'D SIDE (MARK NO. : VL-XXXS)는 대칭 제작 할 것.
2. DECK CAMBER 적용으로 제작시 주의하여 제작 할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T47P0	VL-202P	1	25.2	본도제작
T47S0	VL-202S	1	25.2	대칭제작
T38P0	VL-252P	1	25.2	본도제작
T38S0	VL-252S	1	25.2	대칭제작

설치 BLOCK

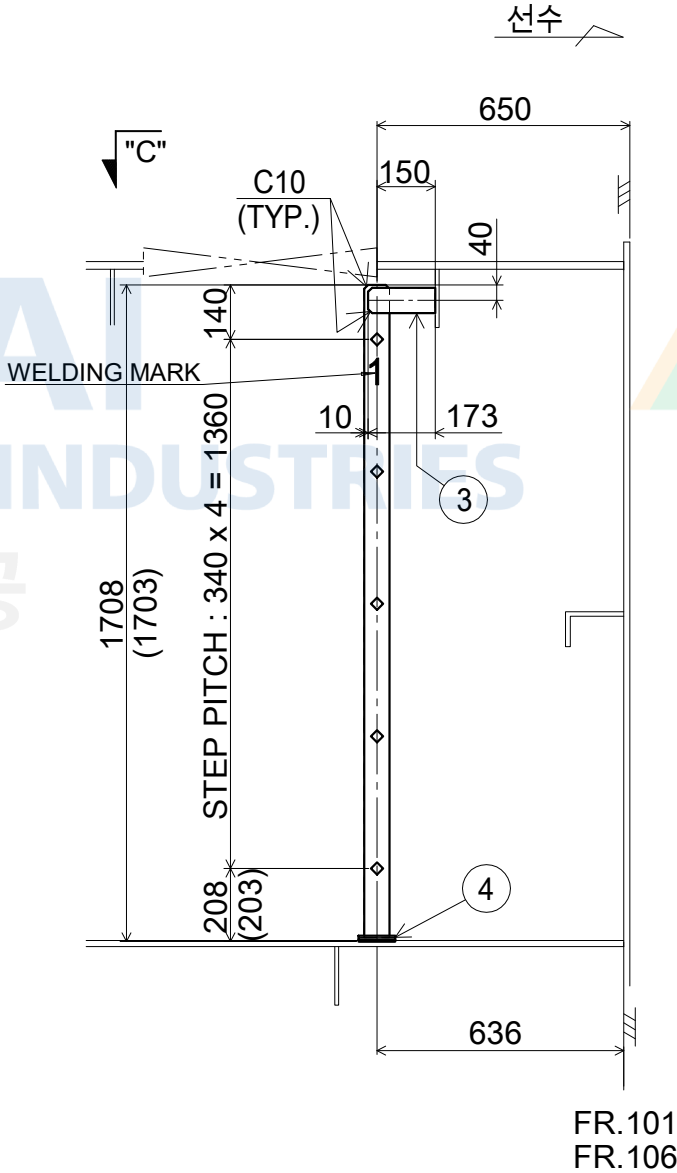
T47P0 T47S0
T38P0 T38S0

VIEW - "A"



대칭제작 기준선

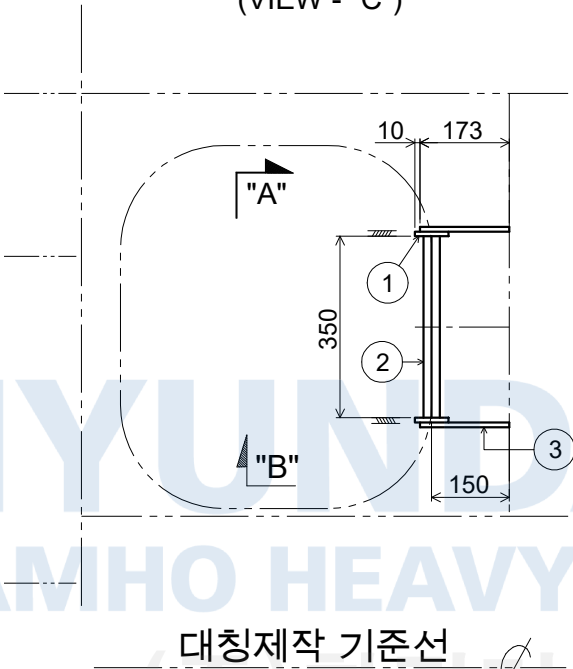
VIEW - "B"



선수

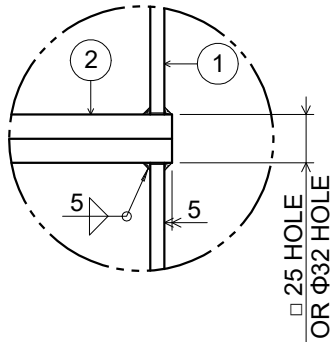
FR.101
FR.106

PLAN
(VIEW - "C")

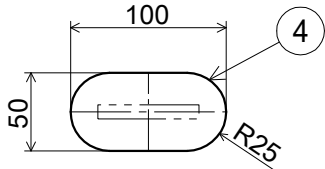


대칭제작 기준선

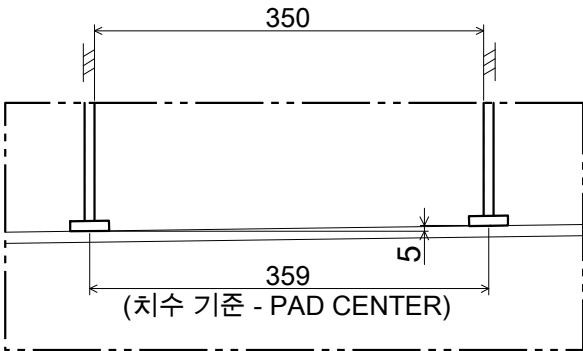
DETAIL OF "Z"



DET. OF "PAD"



DETAIL - "B"



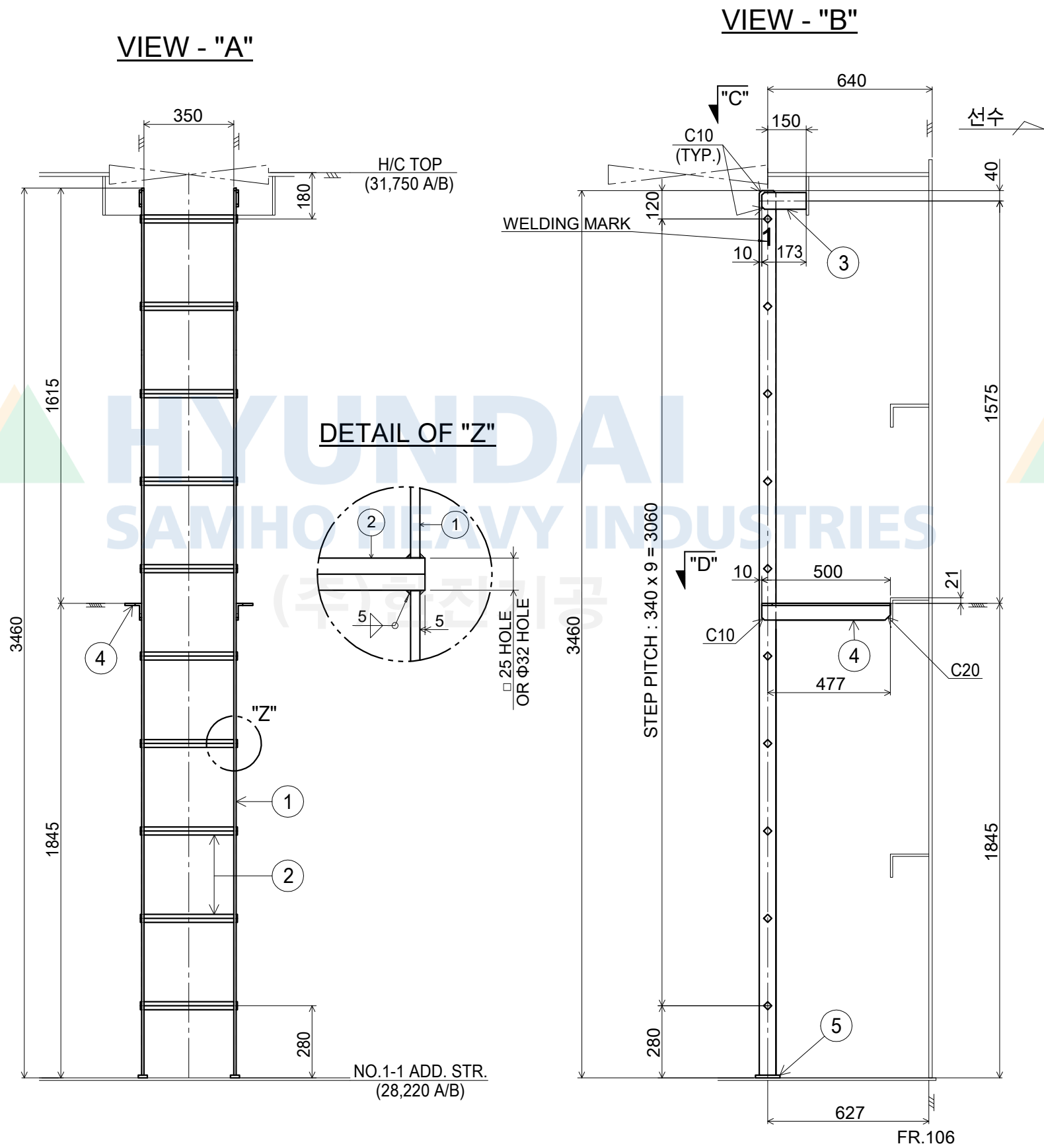
4	PAD	9t PLATE	SS400	2	0.7	
3	LUG(UPPER)	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	5	7.2	
1	SIDE FRAME	65 X 9t F.B	SS400	2	15.7	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

DETAIL OF VERTICAL LADDER

SHIP NO.	8060/8061	06
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T38P0	VL-251	1	54.0	본도제작

T38P0



5	PAD	9t PLATE	SS400	2	0.7	
4	LUG(UNDER)	65 X 65 X 6t E.A	SS400	2	5.9	
3	LUG(UPPER)	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	10	14.4	
1	SIDE FRAME	65 X 9t F.B	SS400	2	31.4	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

DETAIL OF VERTICAL LADDER

SHIP NO.	8060/8061	07
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T48P0	VL-101	1	54.0	본도제작

설치 BLOCK

T48P0

VIEW - "A"

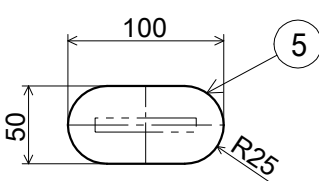
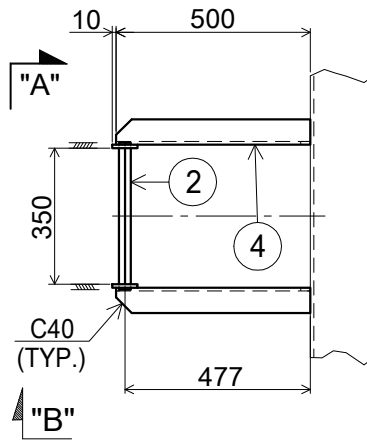
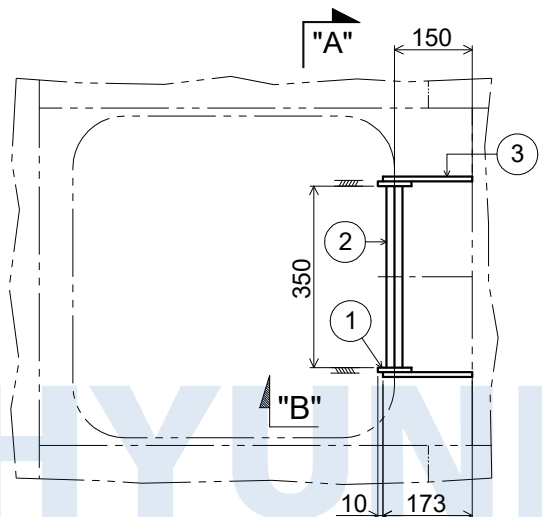
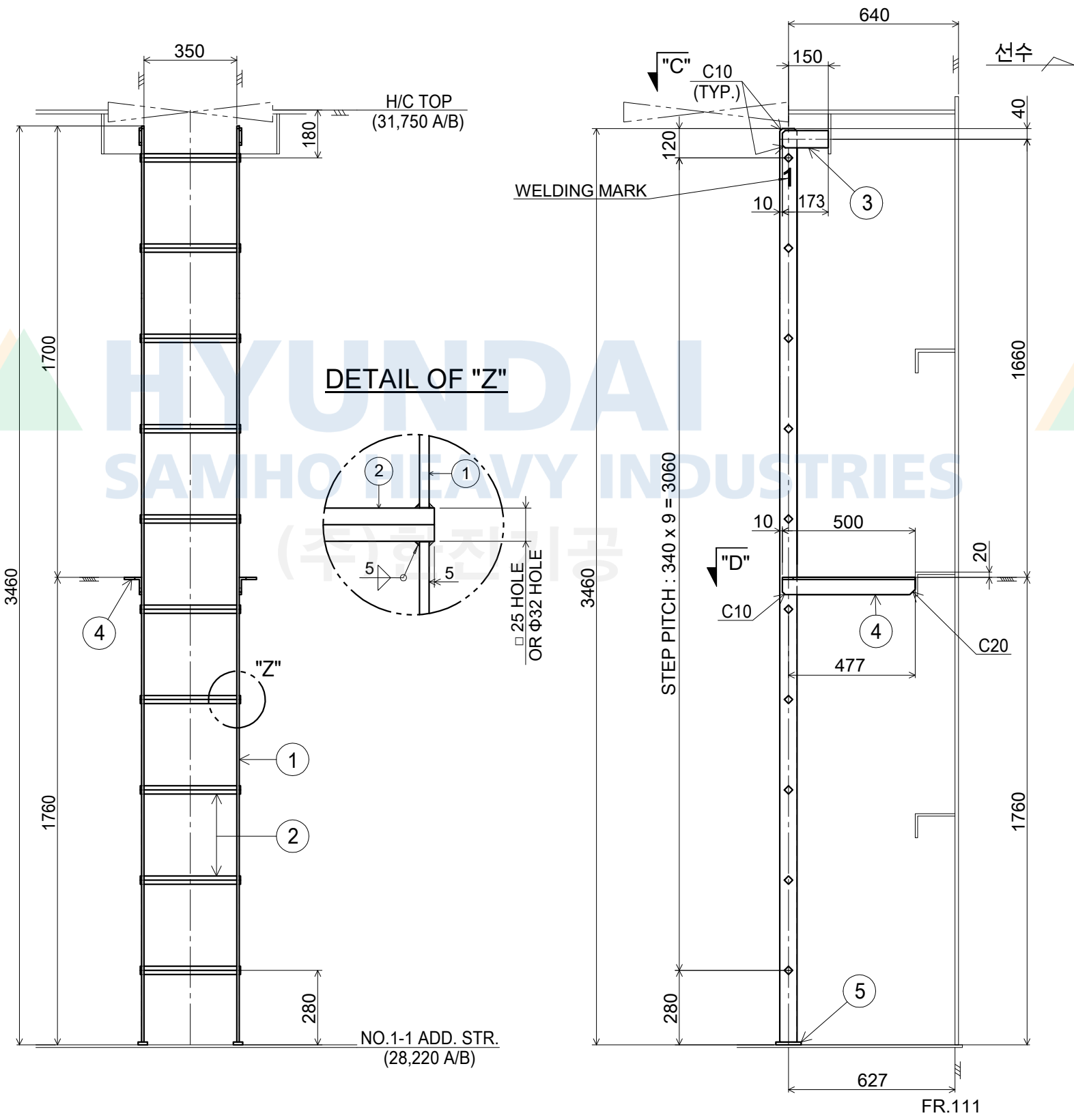
VIEW - "B"

PLAN
(VIEW - "C")

DETAIL OF "Z"

VIEW - "D"

DET. OF "PAD"



5	PAD	9t PLATE	SS400	2	0.7	
4	LUG(UNDER)	65 X 65 X 6t E.A	SS400	2	5.9	
3	LUG(UPPER)	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	10	14.4	
1	SIDE FRAME	65 X 9t F.B	SS400	2	31.4	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

08060-T24T0B2156BB-007



DETAIL OF VERTICAL LADDER

SHIP NO.	8060/8061	08
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T19C0	VL-151	1	54.0	본도제작

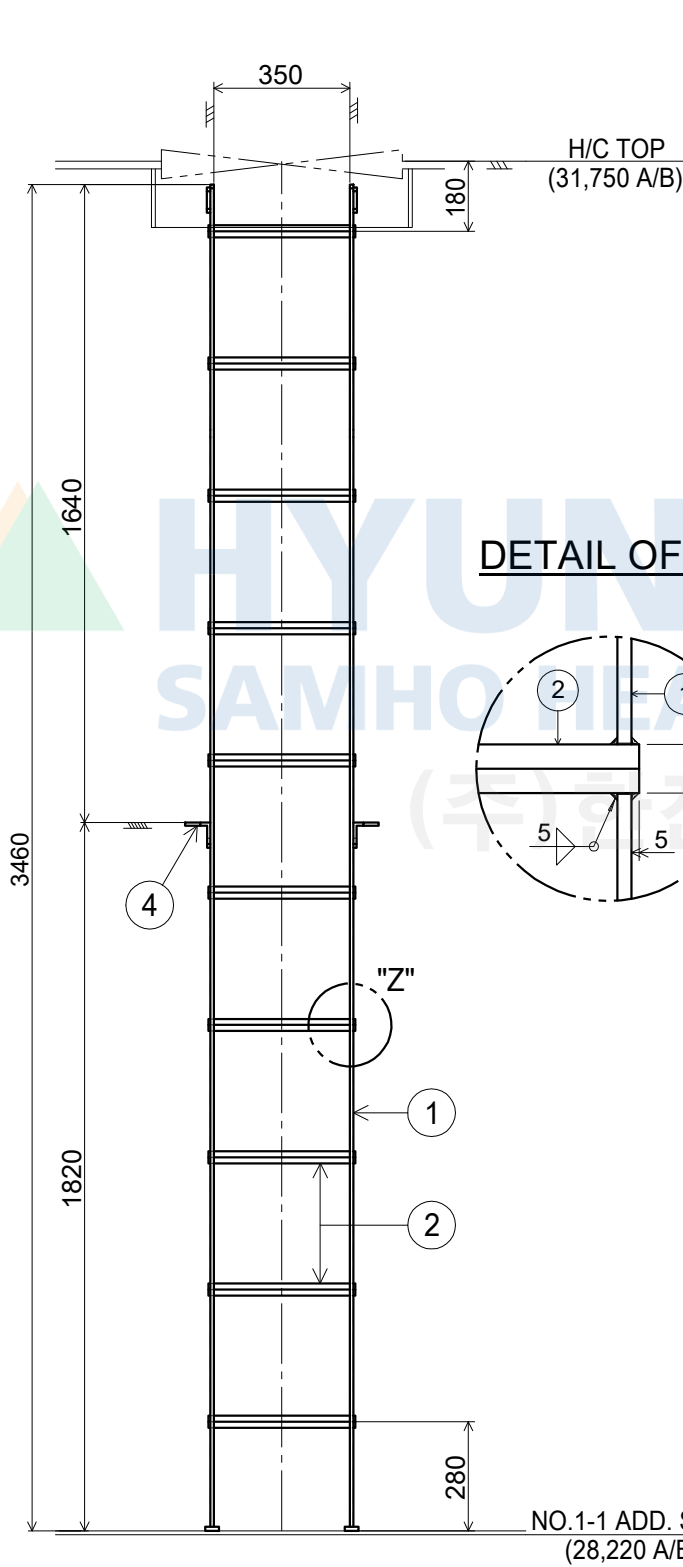
설치 BLOCK

T19C0

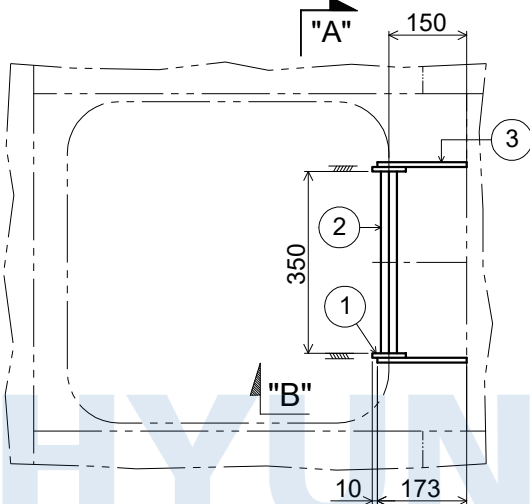
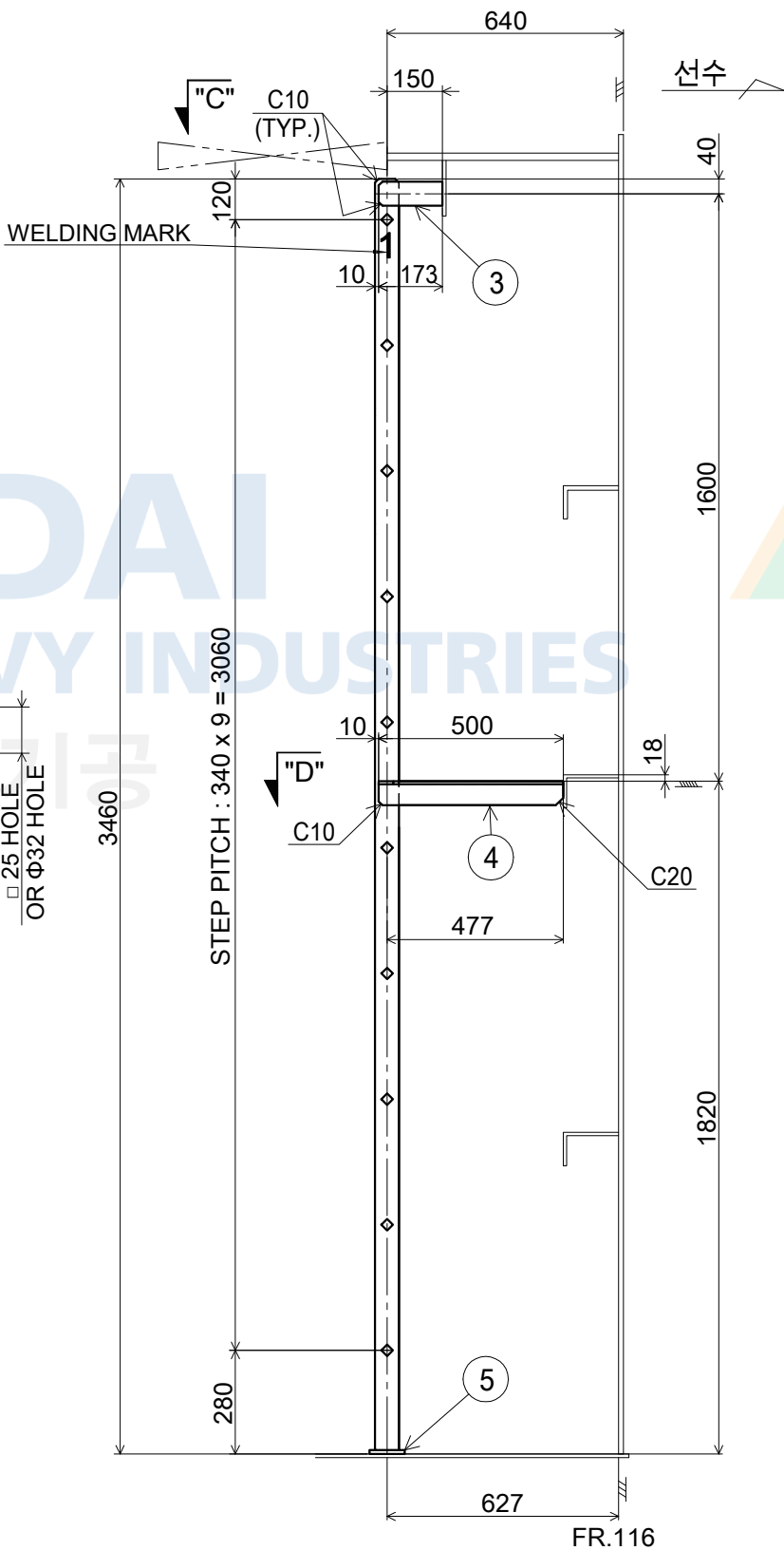
VIEW - "A"

VIEW - "B"

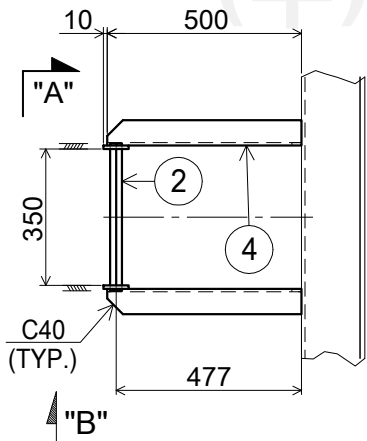
PLAN
(VIEW - "C")



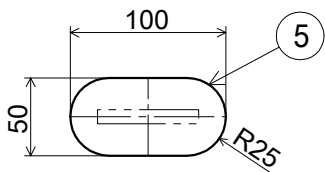
DETAIL OF "Z"



VIEW - "D"



DET. OF "PAD"



5	PAD	9t PLATE	SS400	2	0.7	
4	LUG(UNDER)	65 X 65 X 6t E.A	SS400	2	5.9	
3	LUG(UPPER)	65 X 9t F.B	SS400	2	1.6	
2	STEP	22 SQ.BAR	SS400	10	14.4	
1	SIDE FRAME	65 X 9t F.B	SS400	2	31.4	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF VERTICAL LADDER

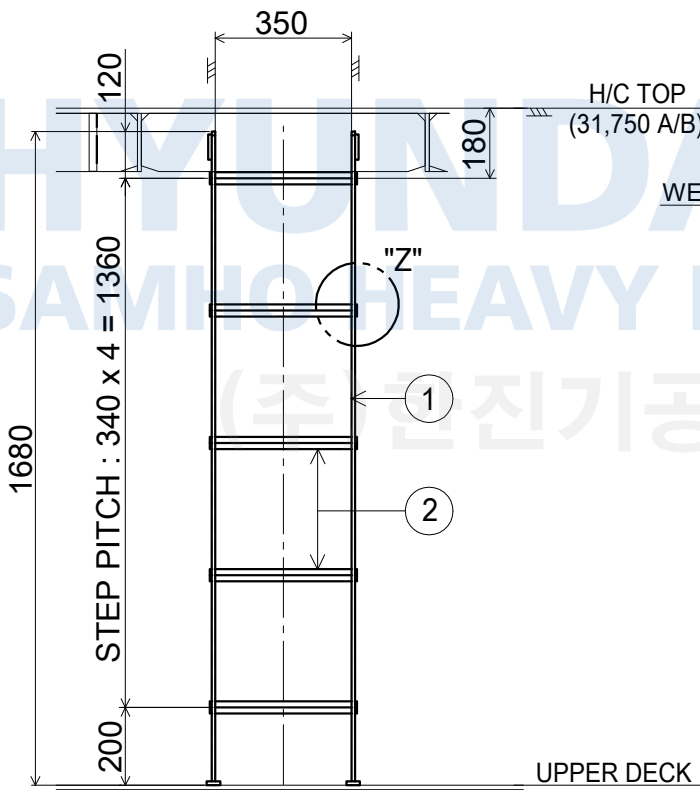
SHIP NO.	8060/8061	10
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T48S0	VL-103S	1	24.5	본도제작

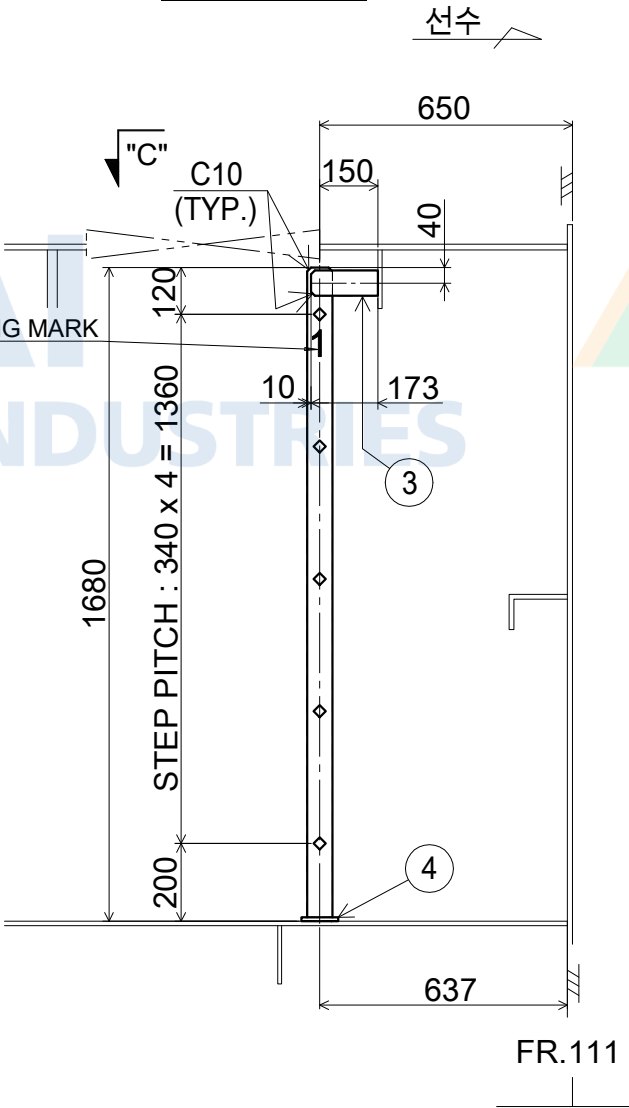
설치 BLOCK

T48S0

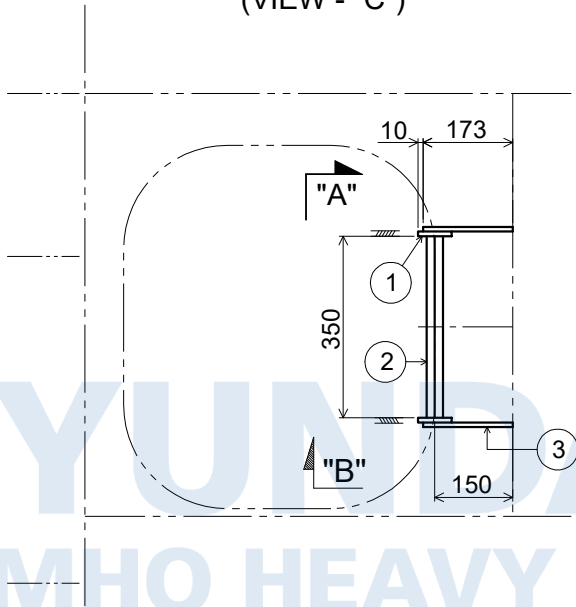
VIEW - "A"



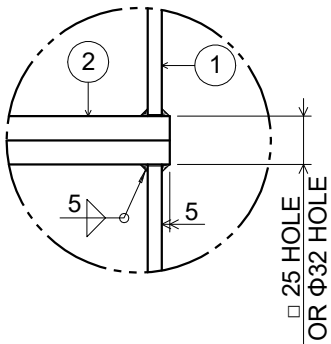
VIEW - "B"



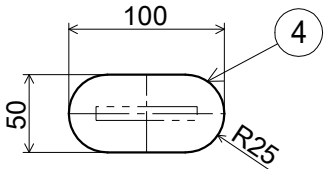
PLAN
(VIEW - "C")



DETAIL OF "Z"



DET. OF "PAD"



4	PAD	9t PLATE	SS400	2	0.7	
3	LUG(UPPER)	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	15.0	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

DETAIL OF VERTICAL LADDER

SHIP NO.	8060/8061	11
DWG NO.	T24T0-B21-56BB	

NOTE

1. 본도는 PORT SIDE(MARK NO. : VL-152P)를 나타냈으며, STB'D SIDE (MARK NO. : VL-152S)는 대칭 제작 할 것.

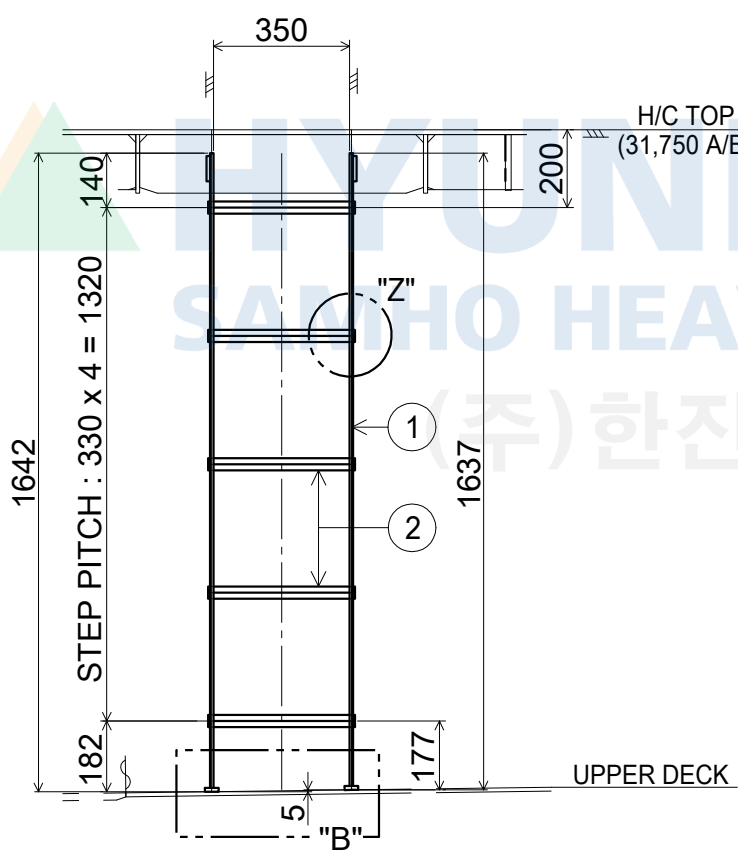
2. DECK CAMBER 적용으로 제작시 주의하여 제작 할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T19C0	VL-152P	1	25.1	본도제작
T19C0	VL-152S	1	25.1	대칭제작

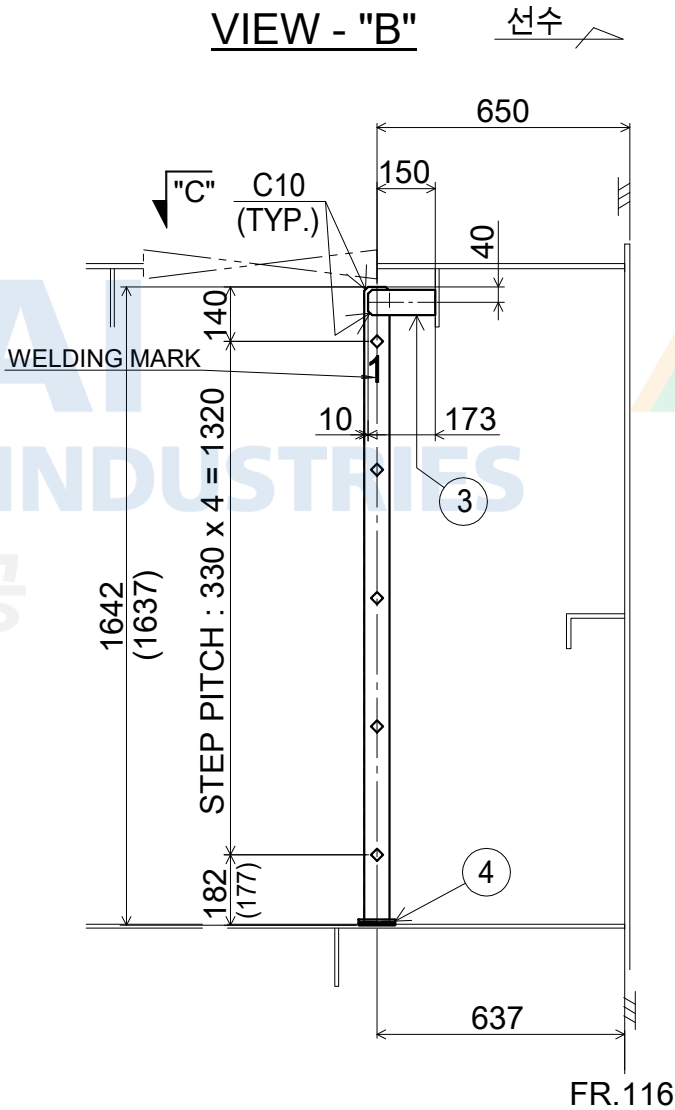
T19C0

* STEP PITCH가 330mm 임에 주의 할 것.

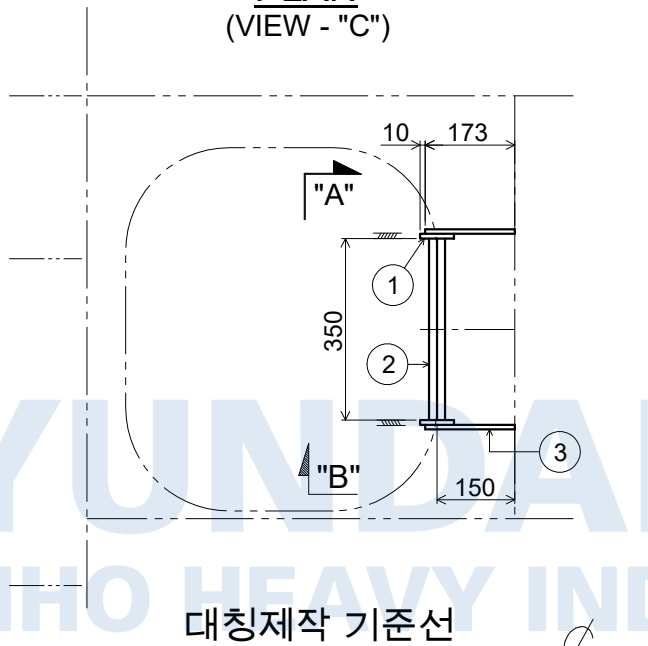
VIEW - "A"



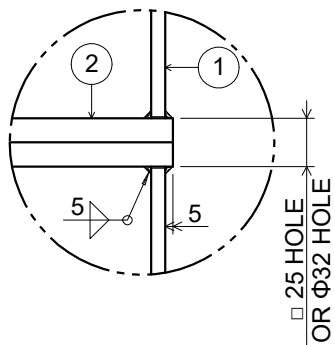
VIEW - "B"



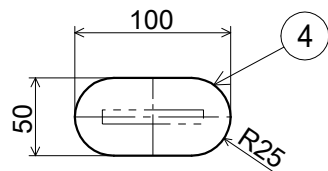
PLAN
(VIEW - "C")



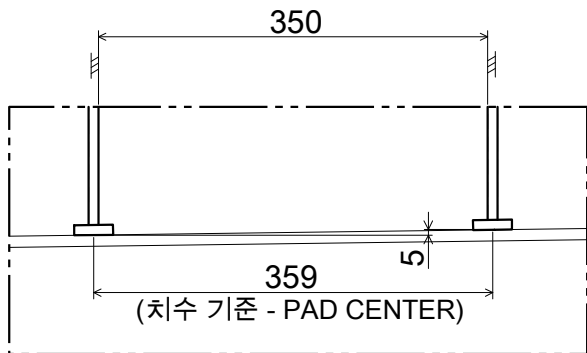
DETAIL OF "Z"



DET. OF "PAD"



DETAIL - "B"



4	PAD	9t PLATE	SS400	2	0.7	
3	LUG(UPPER)	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	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



DETAIL OF PLATFORM

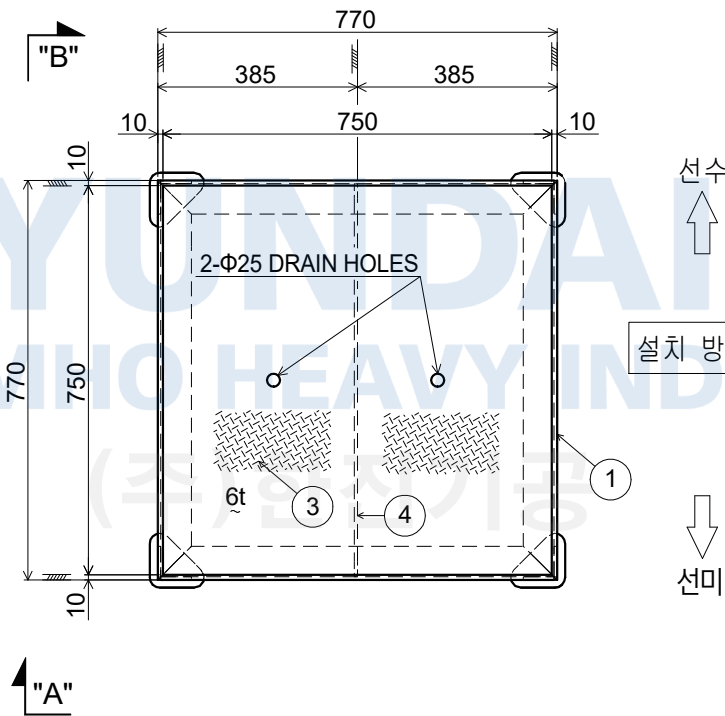
SHIP NO.	8060/8061	12
DWG NO.	T24T0-B21-56BB	

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T17P0	PF-351	1	49.5	본도 제작
T47P0	PF-201	1	49.5	본도 제작

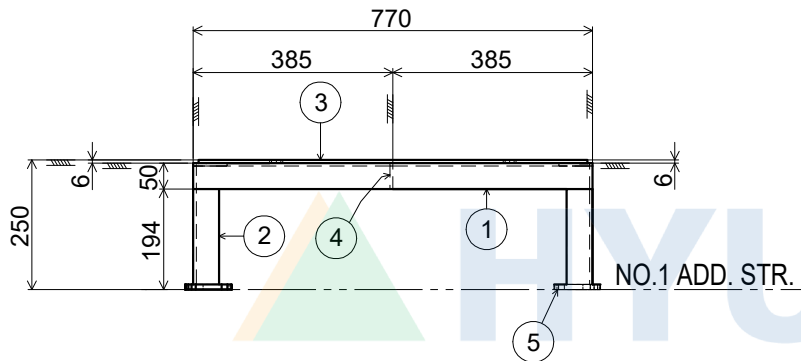
설치 BLOCK

T17P0
T47P0

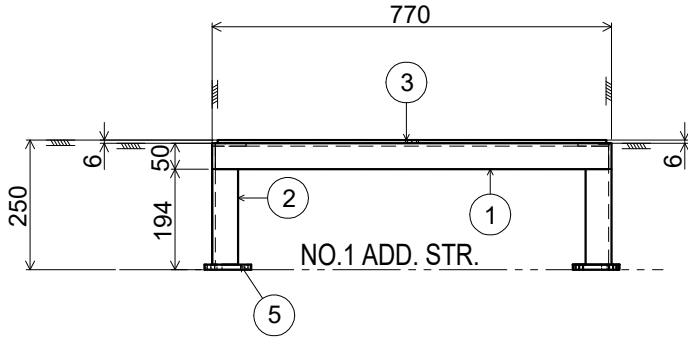
PLAN



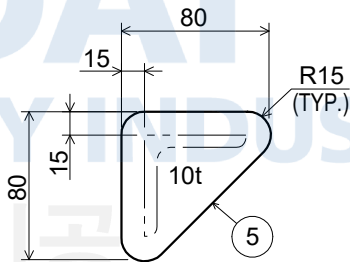
VIEW-"A"



VIEW-"B"



DETAIL OF PAD



5	PAD	10t PLATE	SS400	4	2.0	
4	STIFFENER	50 x 6t F.B	SS400	1	2.0	
3	CHK. PLATE	6t CHK. PLATE	SS400	1	27.4	
2	SUPPORT	50 x 50 x 6t E.A	SS400	4	4.4	
1	FRAME	50 x 50 x 6t E.A	SS400	1	13.7	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

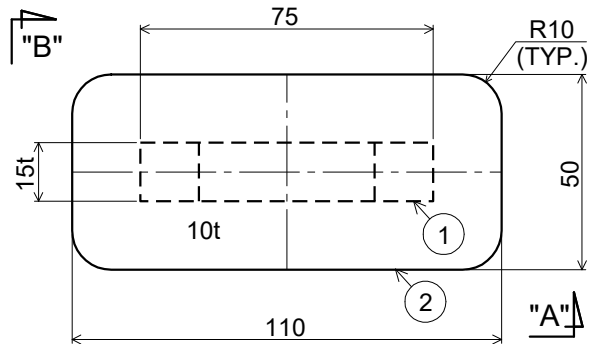


DETAIL OF LIFTING EYE

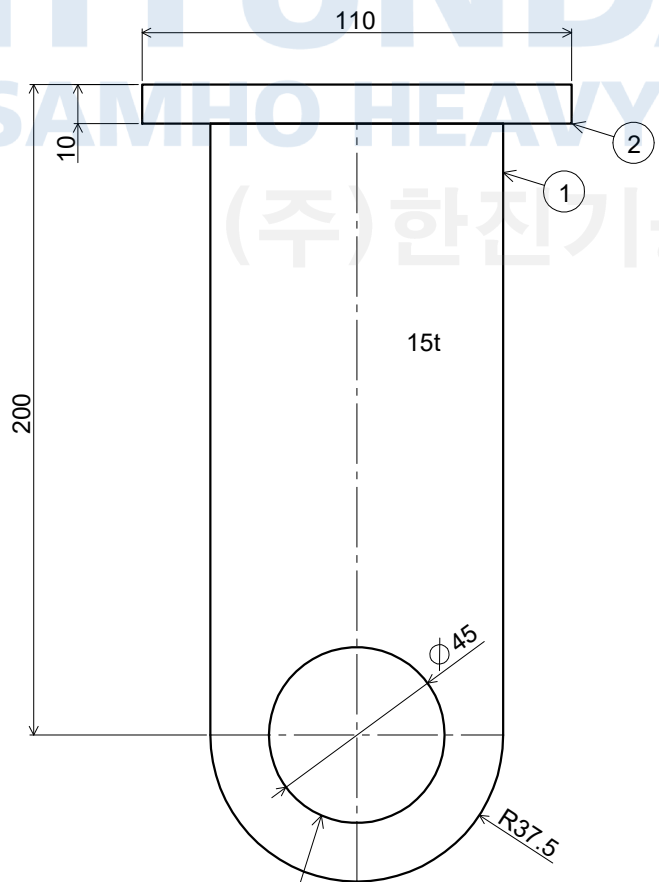
SHIP NO.	8060/8061	13
DWG NO.	T24T0-B21-56BB	END

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T38P0	LE-211	2	2.5	본도제작
T38S0	LE-211	2	2.5	본도제작
T48S0	LE-101	2	2.5	본도제작
T19C0	LE-111	2	2.5	본도제작

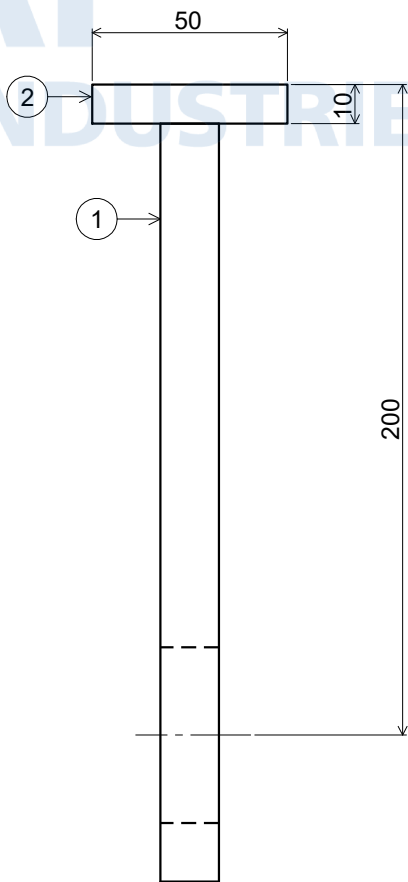
PLAN



VIEW - "A"



VIEW - "B"



IN-SIDE SMOOTH GRINDING(2R)

2	PAD	10t PLATE	SS400	1	0.5	
1	EYE PLATE	15t PLATE	SS400	1	2.0	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK