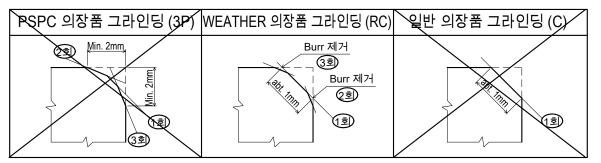
	7		PLAN HISTORY			
DATE	RE	V. NO.	DESCRIPTION	DRAWN	CHKD	APPRD
2021. 02.17		0	8091 ~ 8096, 8100 호선 LADDER & PLATFORM FOR NO.1 COFFERDAM 제작 도면으로 작성함.		황규성	정호진
			JVIIRIBAI			
			TTUIVAL			
		C	AMHO HEAVY IND		TD	EG

	PAINTING SPEC.								
PAINT'G SYMBOL	PAINT ITEM OR AREA	MATERIAL	SHOP PRIMER	표면 처리		BRAND NAME OF AND ITS COLOR		T (M	REMARK
DZ		OTEE	NC	To	1st	ENA 370/373 (BR	ONZE)	12	5
PZ	ALL ITEM	STEEL	NS	T3	2nd	ENA 371/373 (ALU	JMINIUM)	12	5

5T0C3056BB-000							
1510		ITEM		IN SIDE & OUT SIDE		IN SIDE	OUT SIDE
- 1	외주 MAKER PAINT		FINAL	SHOP PRIMER	PRIMER		
08091	시공범위						
			HYUNDAI SAMH	O HEAVY INDUSTR	IES CO., LTD.		A3 (420×297

NOTE

- 1. 본도는 LADDER & PLATFORM FOR NO.1 COFFERDAM 제작도임.
- 2. 모서리 부분은 하기와 같이 그라인딩 할 것.

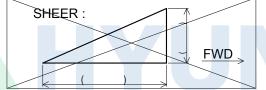


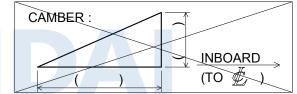
- 3. 용접은 특기외 하기표 참조하여 연속 용접 할 것.
- * 필렛의 용접각장은 아래를 따를 것.

재료의 두께	4.5	6	7~8	9~10	11~12	13	14~15	16~18	19~20
용접 각장	4	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°C)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 니쁠 : JIS B 1575 A-PT1/8" BALL TYPE 러버 캡을 씌울것.[재질:브라스(BRASS)]
- 10. P.O.R NO: JT4
- 11. TOTAL WEIGHT: 543.2 kg/SHIP

(15 SHEETS WITH COVER)

DEP'T NO. B026	SHIP NO. 80 9	1 ~ 8096, 8100	SHIP		174,000 CBM CLASS LNGC (MARK III FLEX,MEMB.,XDF)	
TEL. NO. 2862	SHIP DESIGN	^{OFFICE} 선장설계부	SHIP			
APPRO CHECK		호 진 규 성	TITL	LAD	DDER & PLATFORM R NO.1 COFFERDAM	
DRAWN		상 우	제 작 도			
			SCAL	E	T15T0-C30-56BB-0	
Hyunda	i Samho Heavy Indu Samho Shi	stries Co., Ltd	DATE 202	1. 02. 17	CONSOLIDATED NO.	

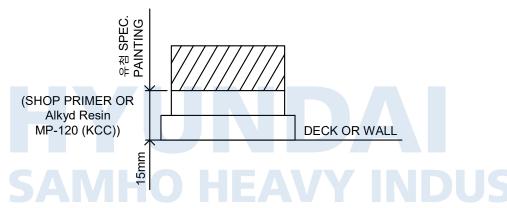
제작사양서 (외주구매용)

제작품별 납기 LIST

SHIP NO. 8091~8096,8100 001

DWG NO. T15T0-C30-56BB			DWG I	NO.	T15T0-C30-56BB	
------------------------	--	--	-------	-----	----------------	--

- 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 움직일 수 있는 항목들은 상기 10)번항에 의거하여 반드시 고박하여 입고할 것. (안전사고 사전 방지)
- 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		
JT4	01	T25AL(S)	BS	VL-C101	VERTICAL LADDER	PZ	1	26.0	A-LOT		
	02	T25AL(S)	BS	VL-C102	VERTICAL LADDER	PZ	1	68.3	A-LOT		
	03	T25AL(S)	BS	VL-C103	VERTICAL LADDER	PZ	1	27.4	A-LOT		
	04	T25AL(S)	BS	VL-C104	VERTICAL LADDER	PZ	1	85.8	A-LOT		
	05	T25AL(S)	BS	VL-C105	VERTICAL LADDER	PZ	1	27.4	A-LOT		
	06	T15AL(S)	BS	VL-C106	VERTICAL LADDER	PZ	1	50.1	A-LOT		
	07	T15AL(S)	BS	VL-C107	VERTICAL LADDER	PZ	1	27.6	A-LOT		
	80	T15AL(S)	BS	VL-C108	VERTICAL LADDER	PZ	1	60.2	A-LOT		
	09	T15AL(S)	BS	VL-C109	VERTICAL LADDER	PZ	1	26.1	A-LOT		
	10	T15AL(S)	BS	VL-C110	VERTICAL LADDER	PZ	1	43.1	A-LOT		
	11	T15AL(S)	BS	VL-C111	VERTICAL LADDER	PZ	1	26.3	A-LOT		
	12	T15AL(S)	BS	VL-C112	VERTICAL LADDER	PZ	1	47.7	A-LOT		
	13	T15AL(S)	BS	VL-C113	VERTICAL LADDER	PZ	1	27.2	A-LOT		

SAMHO HEAVY INDUSTRIES

소화설계부/선장의장1과

고상우/책임엔지니어/2862

이면지 사용금지

DETAIL OF VERTICAL LADDER

* STEP PITCH : 340 임에 유의할 것.

SHIP NO.	8091~8096,8100	00
DWG NO.	T15T0-C30-56BB	

 BLOCK NO.
 MARK NO.
 Q'TY
 WEIGHT(KG)
 REMARK

 T25AL(S)
 VL-C101
 1
 26.0
 본도 제작

설치 BLOCK

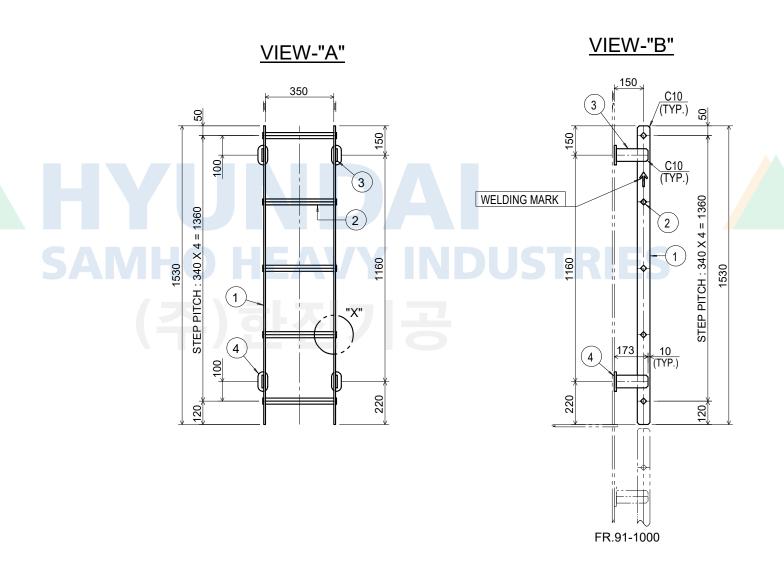
NOTE

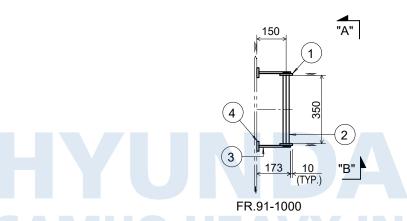
1. 본도는 STB'D SIDE (MARK NO. : VL-C101) 를 나타냄.

2. STEP PITCH : 340MM에 주의할 것.

3. PAINT CODE: PZ

T25AL(S) (T25S)

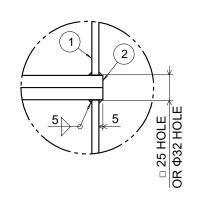


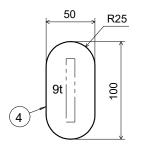


SAMHO HEAVY INDUSTRIES

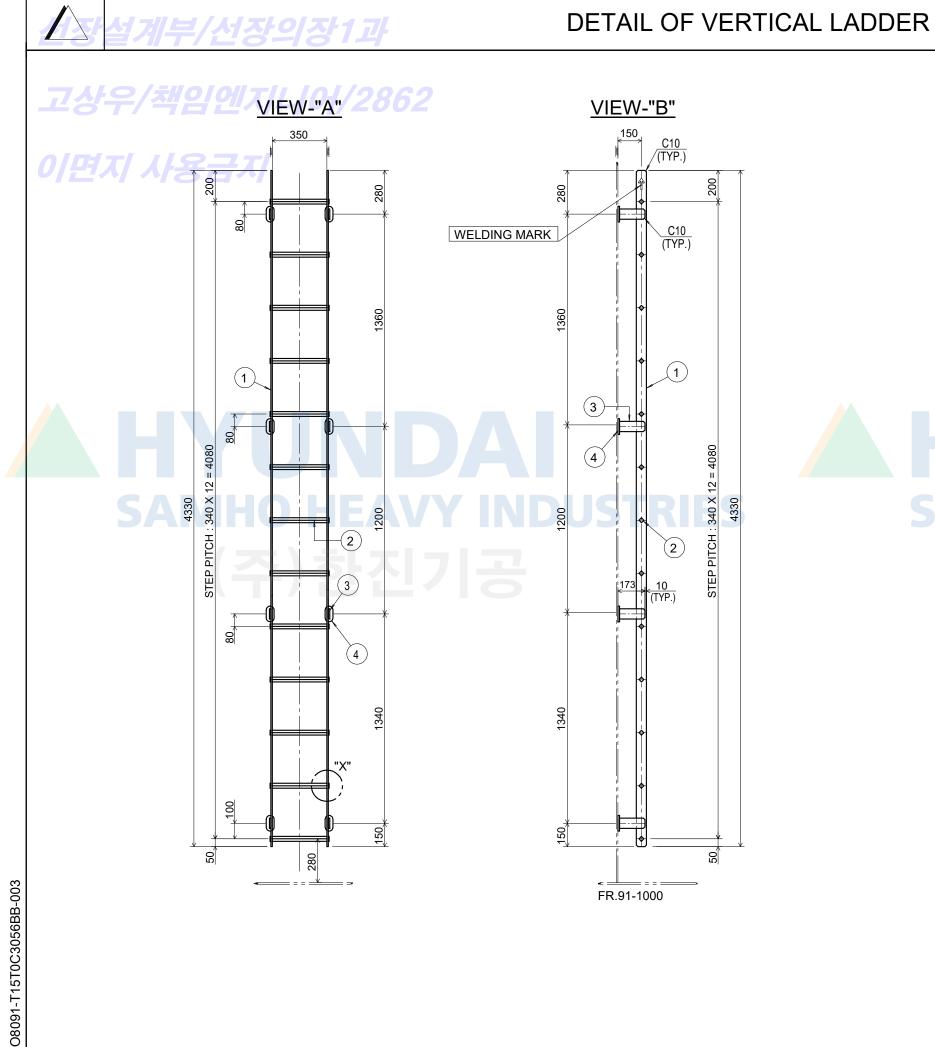
PLAN

DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.4	
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



* STEP PITCH: 340 임에 유의할 것.

BLOCK NO. MARK NO. Q'TY WEIGHT(KG) REMARK

1	SHIP NO.	8091~8096,8100	003
	DWG NO.	T15T0-C30-56BB	

설치 BLOCK

T25AL(S) (T25S)

NOTE

T25AL(S)

- 1. 본도는 STB'D SIDE (MARK NO. : VL-C102) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.

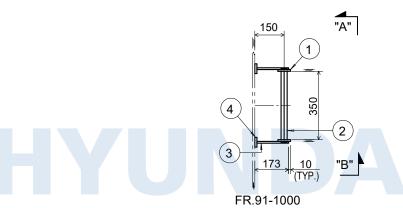
VL-C102

3. PAINT CODE: PZ

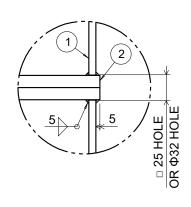


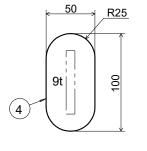
68.3

본도 제작



DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	8	2.8	
3	LUG	65 X 9t F.B	SS400 or SS275	8	6.8	
2	STEP	22 SQ.BAR	SS400 or SS275	13	18.7	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	40.0	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

<u>PLAN</u>

1	SHIP NO.	8091~8096,8100	004
	DWG NO.	T15T0-C30-56BB	

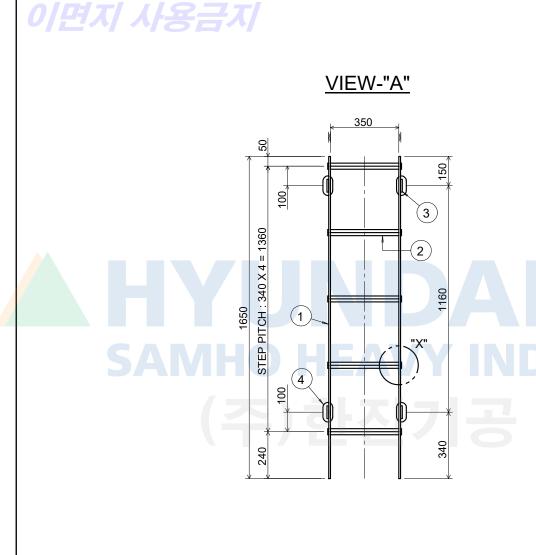
설치 BLOCK

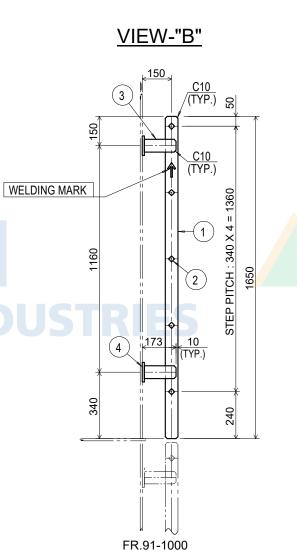
T25AL(S) (T25S)

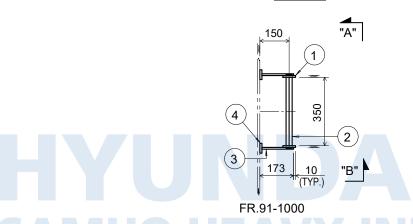
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T25AL(S)	VL-C103	C103 1 27.4		본도 제작

NOTE

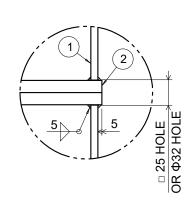
- 1. 본도는 STB'D SIDE (MARK NO. : VL-C103) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.
- 3. PAINT CODE: PZ

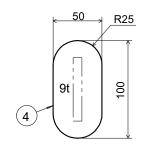




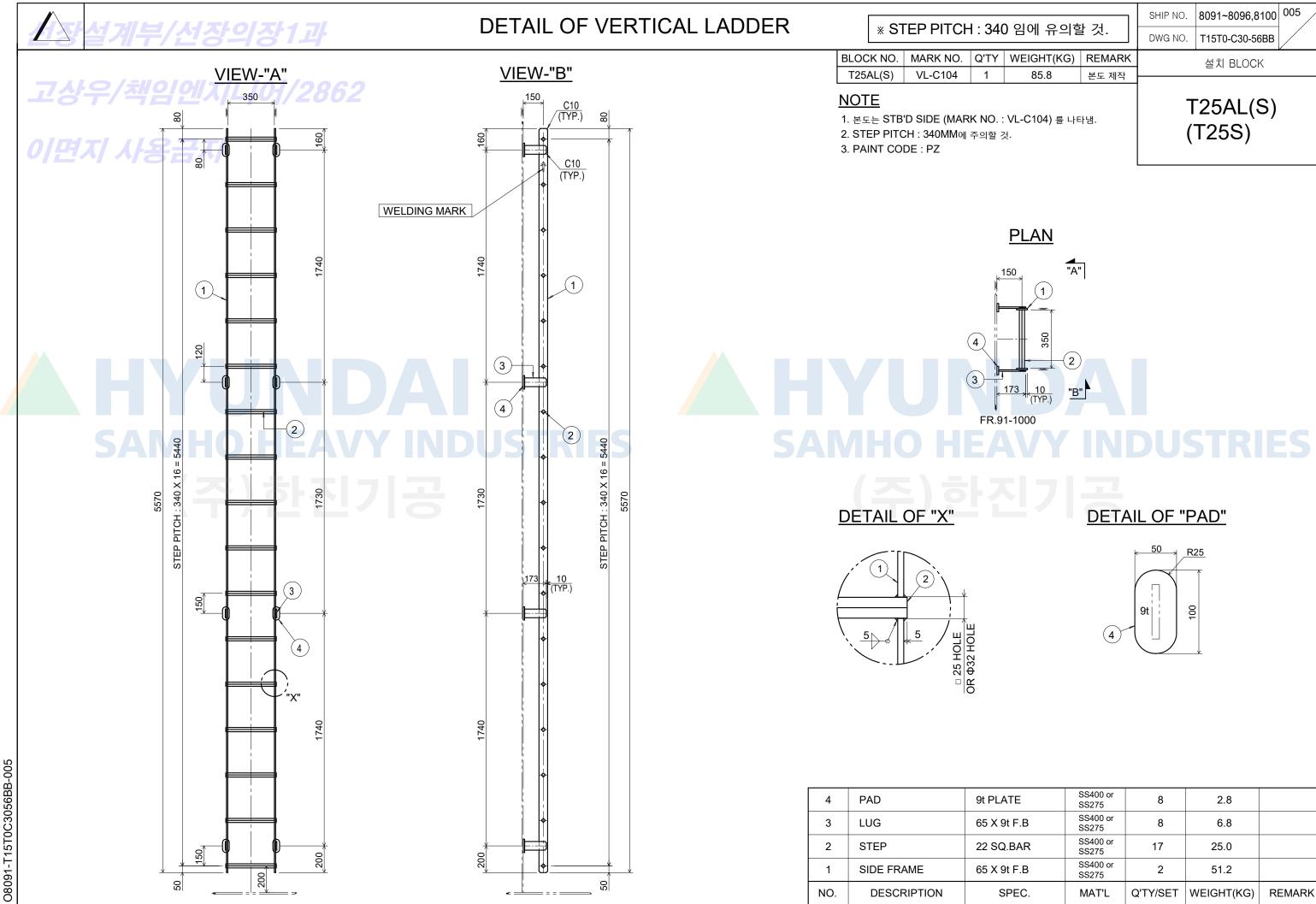


DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.4	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.4	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	15.2	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



고상우/책임엔지니어/2862

이면지 사용금지

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

Q'TY | WEIGHT(KG) | REMARK

본도 제작

27.4

٦	SHIP NO.	8091~8096,8100			
	DWG NO.	T15T0-C30-56BB			

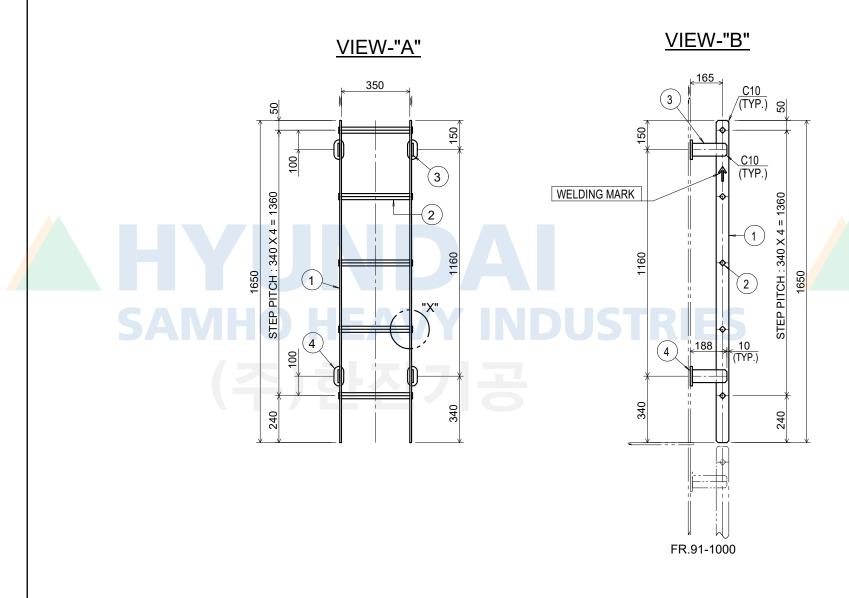
설치 BLOCK

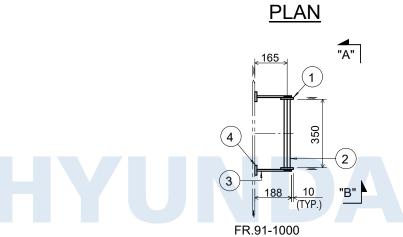
T25AL(S) (T25S)

T25AL(S)	VL-C105
NOTE	

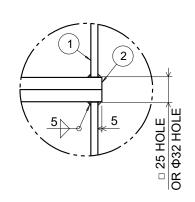
BLOCK NO. MARK NO.

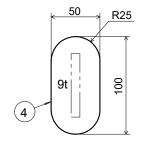
- 1. 본도는 STB'D SIDE (MARK NO. : VL-C105) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.
- 3. PAINT CODE: PZ





DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.4	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.4	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	15.2	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

Q'TY | WEIGHT(KG) | REMARK

본도 제작

50.1

7	SHIP NO.	8091~8096,8100	007
	DWG NO.	T15T0-C30-56BB	

설치 BLOCK

NOTE

T15AL(S)

1. 본도는 STB'D SIDE (MARK NO. : VL-C106) 를 나타냄.

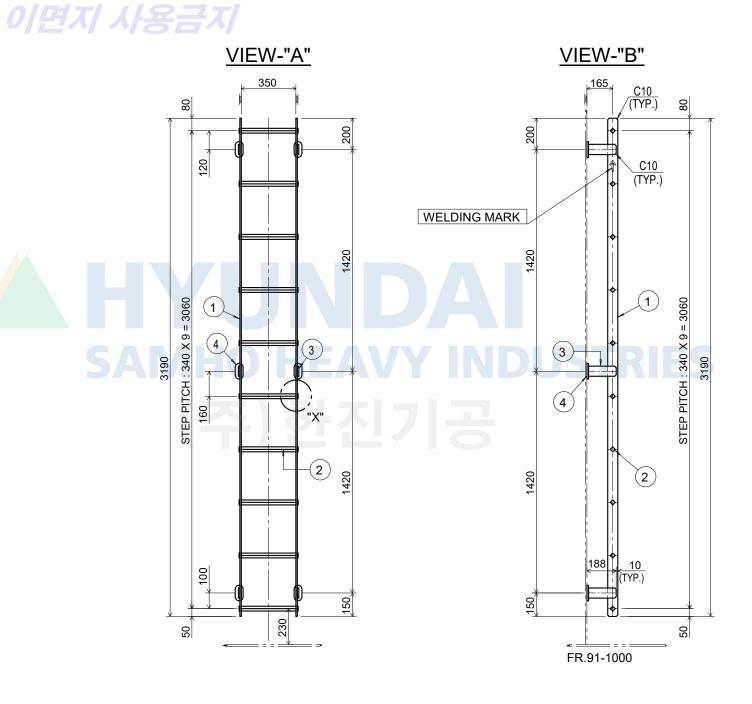
2. STEP PITCH : 340MM에 주의할 것.

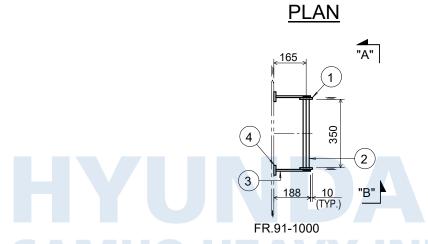
VL-C106

3. PAINT CODE: PZ

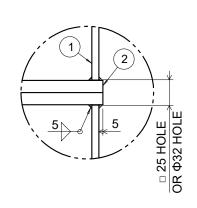
BLOCK NO. MARK NO.

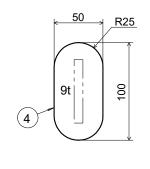
T15AL(S) (T15S)





DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	6	2.1	
3	LUG	65 X 9t F.B	SS400 or SS275	6	5.1	
2	STEP	22 SQ.BAR	SS400 or SS275	10	13.6	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	29.3	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

7	SHIP NO.	8091~8096,8100	300
	DWG NO.	T15T0-C30-56BB	

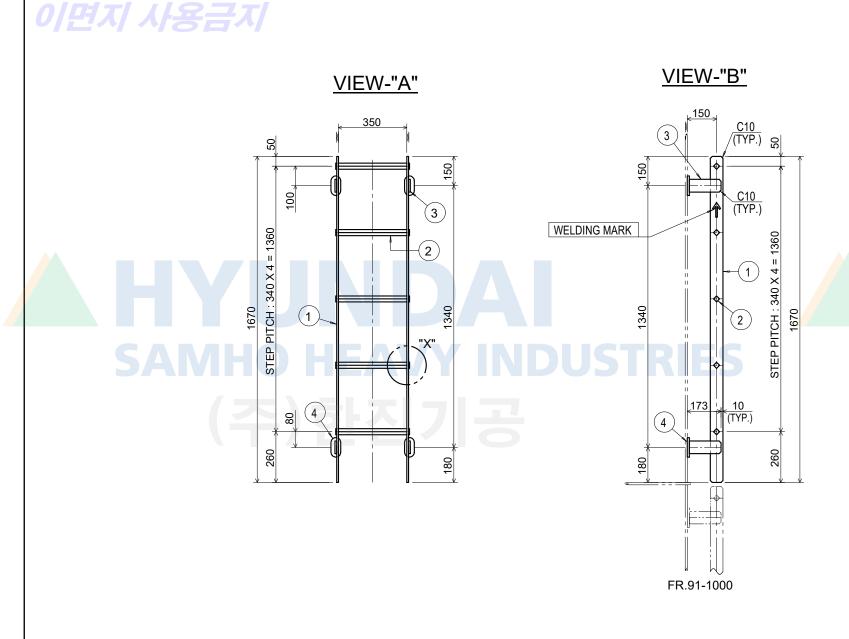
설치 BLOCK

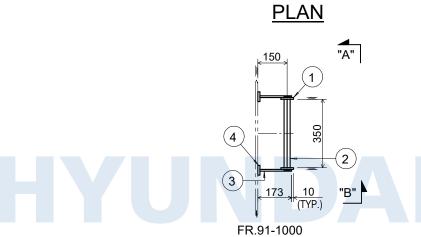
T15AL(S) (T15S)

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T15AL(S)	VL-C107	1	27.6	본도 제작

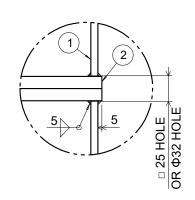
NOTE

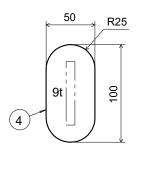
- 1. 본도는 STB'D SIDE (MARK NO. : VL-C107) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.
- 3. PAINT CODE: PZ



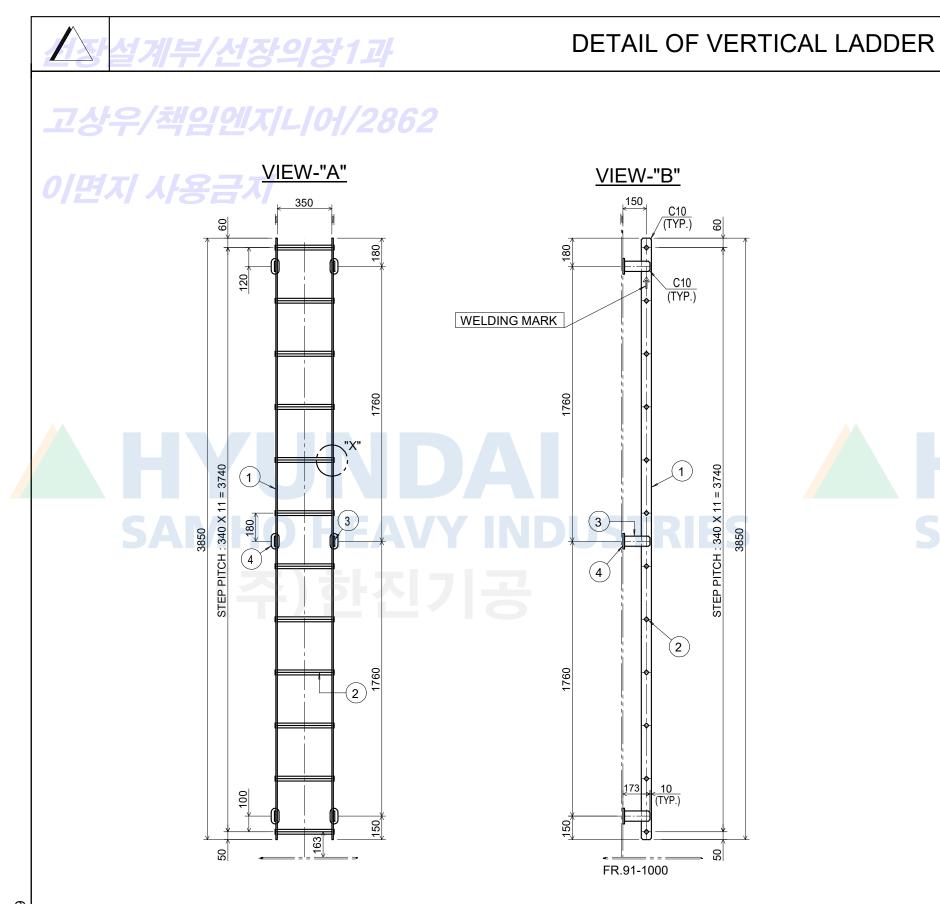


DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.4	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.4	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	15.4	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



* STEP PITCH : 340 임에 유의할 것.

* STEF FITOH . 340 台에 ポ의할 것.

BLOCK NO. MARK NO. Q'TY WEIGHT(KG) REMARK

SHIP NO.	8091~8096,8100	009
DWG NO.	T15T0-C30-56BB	

설치 BLOCK

T15AL(S) (T15S)

NOTE

T15AL(S)

- 1. 본도는 STB'D SIDE (MARK NO. : VL-C108) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.

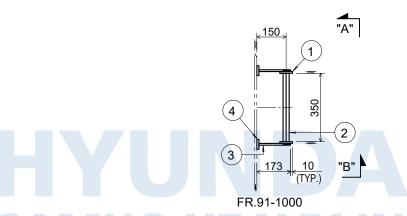
VL-C108

3. PAINT CODE : PZ

<u>PLAN</u>

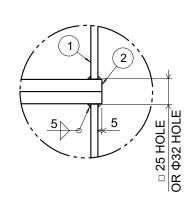
60.2

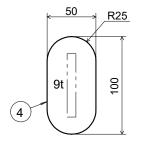
본도 제작



SAMHO HEAVY INDUSTRIES

DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	6	2.1	
3	LUG	65 X 9t F.B	SS400 or SS275	6	4.8	
2	STEP	22 SQ.BAR	SS400 or SS275	12	17.7	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	35.6	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

	SHIP NO.	8091~8096,8100	010
	DWG NO.	T15T0-C30-56BB	

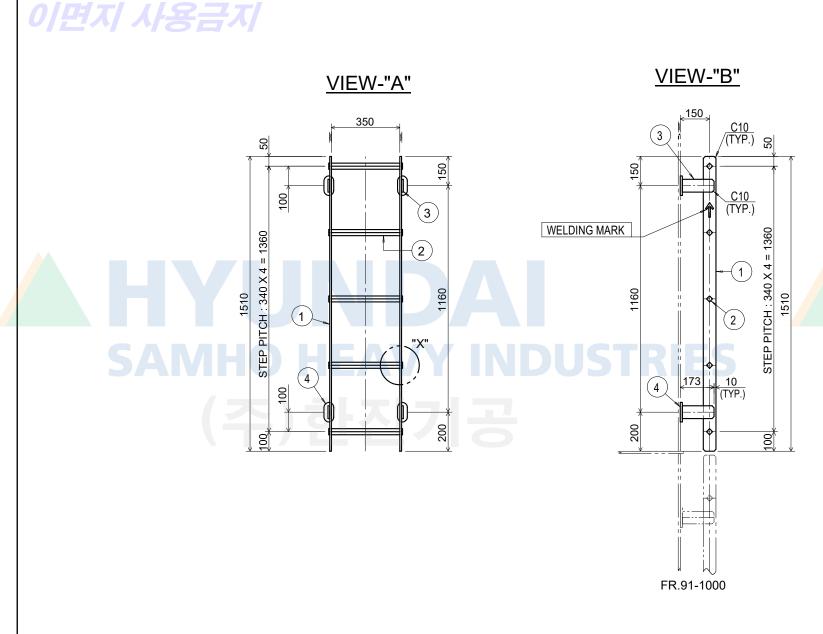
설치 BLOCK

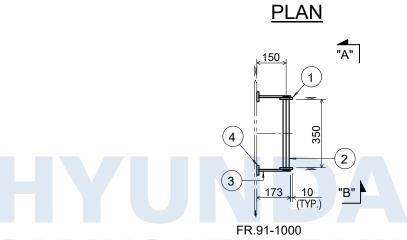
T15AL(S) (T15S)

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T15AL(S)	VL-C109	1	26.1	본도 제작

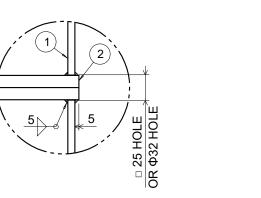
NOTE

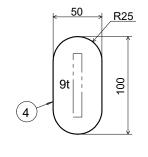
- 1. 본도는 STB'D SIDE (MARK NO. : VL-C109) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.
- 3. PAINT CODE: PZ





DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.4	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.4	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	13.9	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

SHIP NO.	8091~8096,8100	011
DWG NO.	T15T0-C30-56BB	

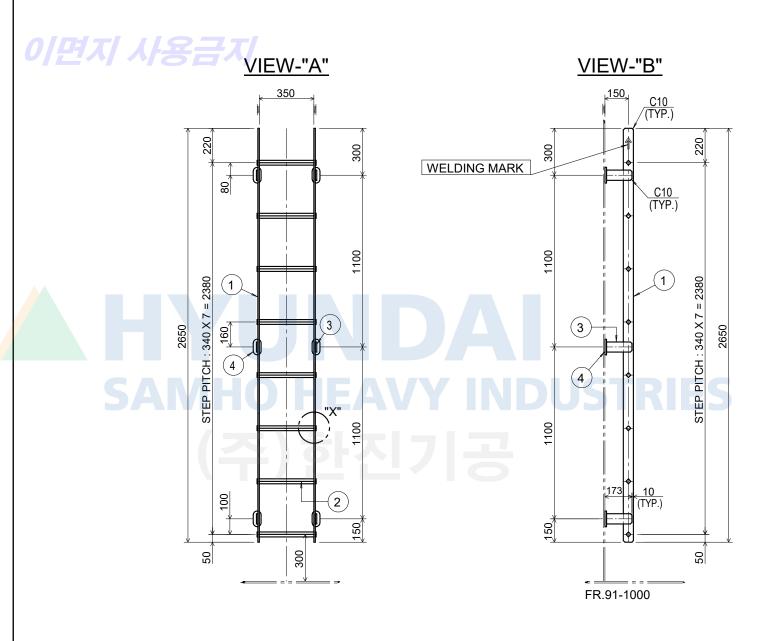
설치 BLOCK

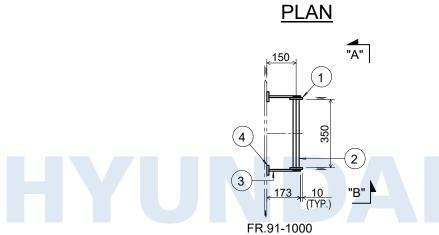
T15AL(S) (T15S)

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T15AL(S)	VL-C110	1	43.1	본도 제작

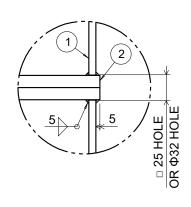
NOTE

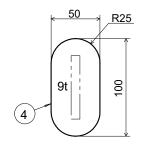
- 1. 본도는 STB'D SIDE (MARK NO. : VL-C110) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.
- 3. PAINT CODE: PZ





DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	6	2.1	
3	LUG	65 X 9t F.B	SS400 or SS275	6	5.1	
2	STEP	22 SQ.BAR	SS400 or SS275	8	11.5	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	24.4	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

* STEP PITCH: 340 임에 유의할 것.

Q'TY WEIGHT(KG) REMARK

본도 제작

26.3

1	SHIP NO.	8091~8096,8100	01
	DWG NO.	T15T0-C30-56BB	

설치 BLOCK

T15AL(S) (T15S)

NOIE

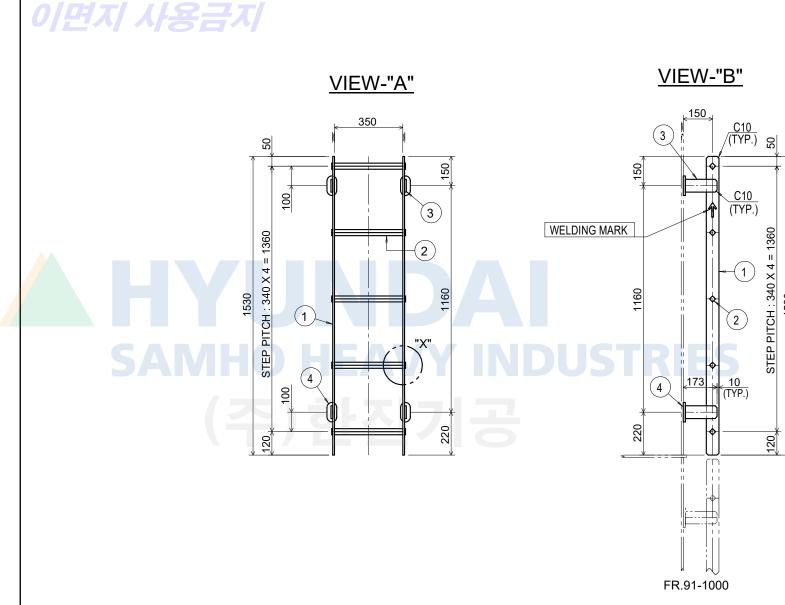
T15AL(S)

- 1. 본도는 STB'D SIDE (MARK NO. : VL-C111) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.

VL-C111

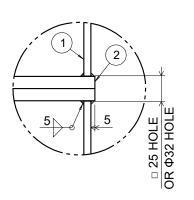
BLOCK NO. MARK NO.

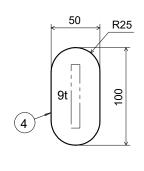
3. PAINT CODE: PZ



<u>PLAN</u> "A" FR.91-1000

DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.4	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.4	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	14.1	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

고상우/책임엔지니어/2862

DETAIL OF VERTICAL LADDER

47.7

본도 제작

CTED DITCH : 240 OLOH O OLEH ZI							8091~8096,8100	01
* STEP PITCH : 340 임에 유의할 것.					DWG NO.	T15T0-C30-56BB		
BLOCK N	Ο.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK		석치 BLOCK	

설치 BLOCK

T15AL(S)

(T15S)

NOTE

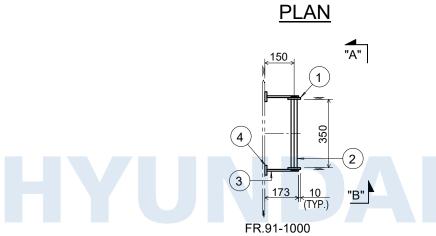
T15AL(S)

- 1. 본도는 STB'D SIDE (MARK NO. : VL-C112) 를 나타냄.
- 2. STEP PITCH : 340MM에 주의할 것.

VL-C112

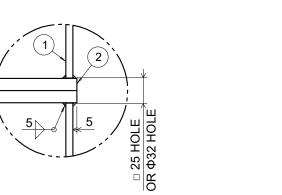
3. PAINT CODE: PZ

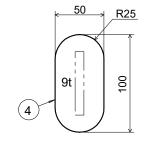
350 C10 (TYP.) WELDING MARK C10 (TYP.)	
WELDING MARK COLO	
	500
33 (TIVE) 1340 (STEP PITCH : 340 X 8 = 2720 (STEP PITCH: 340 X 8 = 2720 2970



DETAIL OF "X"

DETAIL OF "PAD"





4	PAD	9t PLATE	SS400 or SS275	6	2.1	
3	LUG	65 X 9t F.B	SS400 or SS275	6	5.1	
2	STEP	22 SQ.BAR	SS400 or SS275	9	13.3	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	27.3	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

FR.91-1000

고상우/책임엔지니어/2862

이면지 사용금지

DETAIL OF VERTICAL LADDER

* STEP PITC

BLOCK NO. MARK NO. Q'TY WEIGHT(KG) REMARK

27.2

본도 제작

8091~8096,8100 014 SHIP NO. DWG NO. T15T0-C30-56BB

설치 BLOCK

NOTE

T15AL(S)

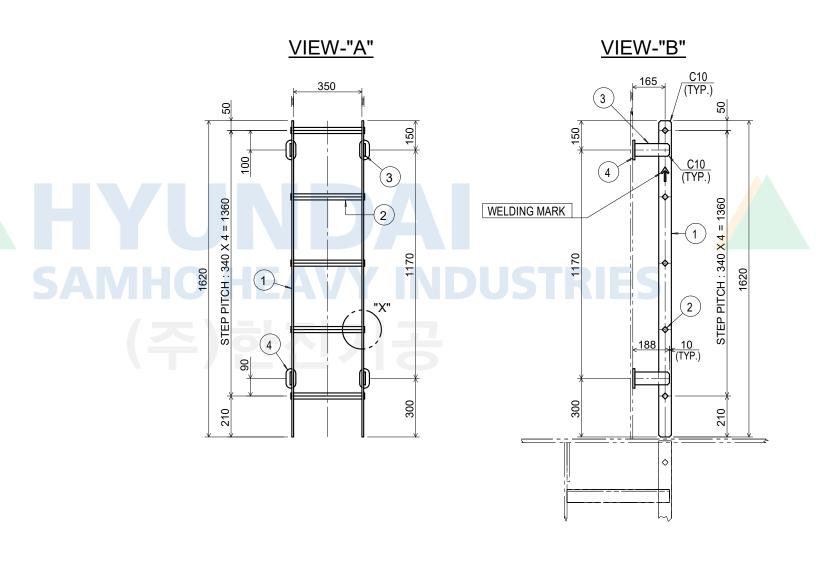
1. 본도는 STB'D SIDE (MARK NO. : VL-C113) 를 나타냄.

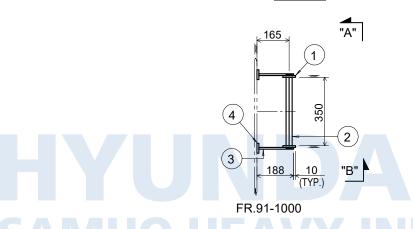
2. STEP PITCH : 340MM에 주의할 것.

VL-C113

3. PAINT CODE: PZ

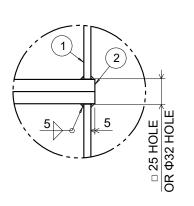
T15AL(S) (T15S)

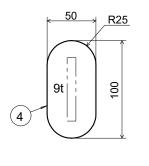




PLAN

DETAIL OF "X"





4	PAD	9t PLATE	SS400 or SS275	4	1.4	
3	LUG	65 X 9t F.B	SS400 or SS275	4	3.5	
2	STEP	22 SQ.BAR	SS400 or SS275	5	7.4	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	14.9	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK