

PLAN HISTORY					
DATE	REV. NO.	DESCRIPTION	DRAWN	CHECKED	APPROVED
2022-10-24	0	8135/8136/8137 호선 LADDER & PLATFNR (S-BLK. / PMA / 선각의뢰) 제작 도면으로 작성함.	곽 선 웅	곽 선 웅	조 봉 래

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	
** PAINT CODE 납기 LIST 참조할 것.								
	ITEM	IN SIDE & OUT SIDE				IN SIDE	OUT SIDE	
	ALL	FINAL	SHOP PRIMER	PRIMER				

NOTE

- 1. 본도는 선각의뢰 LADDER & PLATFNR (S-BLK. / PMA / 선각의뢰) 제작 도면임.
- 2. 모서리 부분은 하기와 같이 GRINDING 할 것.

- 3. 용접은 특기와 하기 표 참조하고 연속 용접 할 것.

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

MAL'T 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/확정 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℃) 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 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 니뷸 : JIS B 1575 A-PT 1/8" BALL TYPE 러버캡을 씌울것(MAT'L : BRASS)
- 10. P.O.R NO. : JW6

11. TOTAL WEIGHT : 3891.8 KG/SHIP (표지 포함 15 매)

DEP'T.	SHIP NO.	SHIP TYPE
B126	8135/8136/8137	157,000 DWT CLASS CRUDE OIL CARRIER
TEL.	부서명	도 면 명
4767	선 장 설 계 부	
승 인	조 봉 래	MFG. OF LADDER & PLATFNR (S-BLK. / PMA / 선각의뢰)
검 도	곽 선 웅	
작 성	곽 선 웅	
HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD. SAMHO SHIPYARD, KOREA		도 면 번 호
		S14P-J16BB - 0
		날 짜
		2022-10-24



製作仕様書(외주구매용)

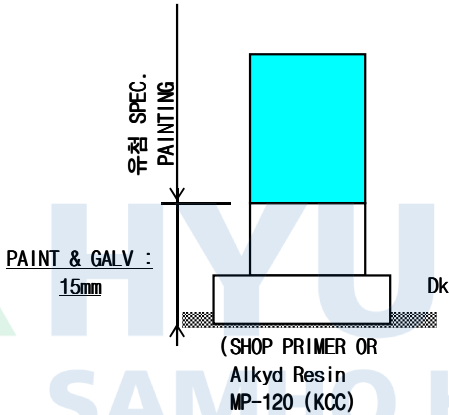
1. GALV. 두께 : HOT DIP GALV. 55~80 μ (단, BOLT/NUT류는 45~65 μ 시공)

2. GREASE NIPPLE은 FULL GREASING하고 규정된 고무 CAP을 씌울것.

3. SS400이 아닌 재질의 BOLT/NUT는 재질을 PUNCHING할것.

4. 도장 : 유침 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-C1(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 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.

제품품별 납기 LIST							SHIP NO.	8135/8136/8137	01
							DWG NO.	S14P-J16BB	
P.O.R NO	SEQ NO	BLOCK	STAGE	MARK NO	DESCRIPTION	PAINT CODE	Q'TY /SHIP	WEIGHT (KG/SET)	설치부서
JW6	1	B51P0	CS	PFB-W601P	PLATFORM	PP	1	147.9	
	2	B51S0	CS	PFB-W601S	PLATFORM	PP	1	147.9	
	3	S11P0	CS	PFS-W651P	PLATFORM	PP	1	140.7	
	4	S11S0	CS	PFS-W651S	PLATFORM	PP	1	140.7	
	5	S14P0	CS	PFS-W551P	PLATFORM	PP	1	140.7	
	6	S14S0	CS	PFS-W551S	PLATFORM	PP	1	140.7	
	7	S15P0	C1	VLS-T501P	VERTICAL LADDER	PT	1	25.0	
	8	S15P0	C1	PFS-T501P	PLATFORM	PT	1	173.6	
	9	S15P0	CS	PFS-W451P	PLATFORM	PP	1	140.7	
	10	S15S0	C1	VLS-T501S	VERTICAL LADDER	PT	1	25.0	
	11	S15S0	C1	PFS-T501S	PLATFORM	PT	1	173.6	
	12	S15S0	CS	PFS-W451S	PLATFORM	PP	1	140.7	
	13	S16P0	C1	VLS-T401P	VERTICAL LADDER	PT	1	25.0	
	14	S16P0	C1	PFS-T401P	PLATFORM	PT	1	173.6	
	15	S16S0	C1	VLS-T401S	VERTICAL LADDER	PT	1	25.0	
	16	S16S0	C1	PFS-T401S	PLATFORM	PT	1	173.6	
	17	S18P0	C1	VLS-T301P	VERTICAL LADDER	PT	1	25.0	
	18	S18P0	C1	PFS-T301P	PLATFORM	PT	1	173.6	
	19	S18P0	CS	PFS-W351P	PLATFORM	PP	1	140.7	
	20	S18S0	C1	VLS-T301S	VERTICAL LADDER	PT	1	25.0	
	21	S18S0	C1	PFS-T301S	PLATFORM	PT	1	173.6	
	22	S18S0	CS	PFS-W351S	PLATFORM	PP	1	140.7	
	23	S19P0	C1	VLS-T201P	VERTICAL LADDER	PT	1	25.0	
	24	S19P0	C1	PFS-T201P	PLATFORM	PT	1	173.6	
	25	S19P0	CS	PFS-W251P	PLATFORM	PP	1	140.7	
	26	S19S0	C1	VLS-T201S	VERTICAL LADDER	PT	1	25.0	
	27	S19S0	C1	PFS-T201S	PLATFORM	PT	1	173.6	
	28	S19S0	CS	PFS-W251S	PLATFORM	PP	1	140.7	
	29	S21P0	C1	VLS-T101P	VERTICAL LADDER	PT	1	29.7	
	30	S21P0	C1	PFS-T101P	PLATFORM	PT	1	270.4	
	31	S21S0	C1	VLS-T101S	VERTICAL LADDER	PT	1	29.7	
	32	S21S0	C1	PFS-T101S	PLATFORM	PT	1	270.4	
	33								
	34								



DETAIL OF VERTICAL LADDER

SHIP NO.	8135 - 8137	03
DWG NO.	S14P-J16BB	

NOTE
1. 본도는 PORT & STB'D SIDE 를 나타내었으며, 본도/대칭 제작에 주의할 것.
2. PAINT CODE : PT
※ 폭 350MM
※ STEP PITCH : 340MM

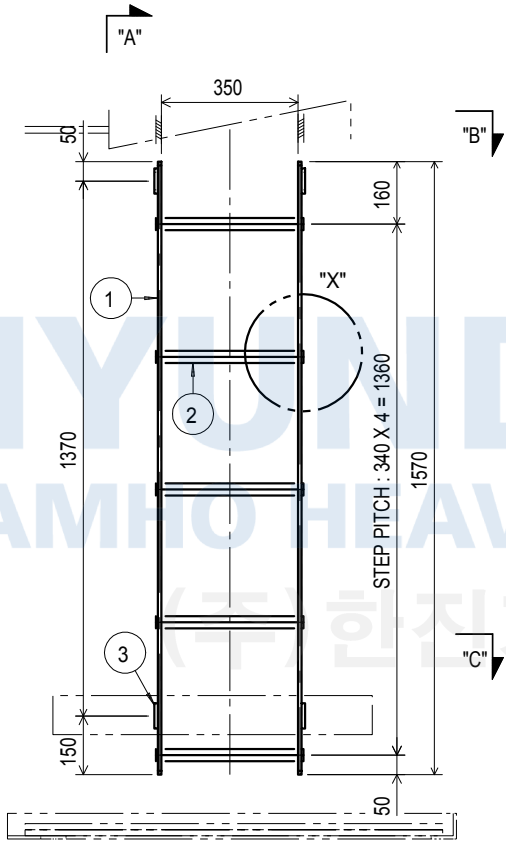
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
S15P0	VLS-T501P	1	25.0	본도 제작
S16P0	VLS-T401P	1	25.0	본도 제작
S18P0	VLS-T301P	1	25.0	본도 제작
S19P0	VLS-T201P	1	25.0	대칭 제작
S15S0	VLS-T501S	1	25.0	대칭 제작
S16S0	VLS-T401S	1	25.0	대칭 제작
S18S0	VLS-T301S	1	25.0	대칭 제작
S19S0	VLS-T201S	1	25.0	본도 제작

설치 BLOCK

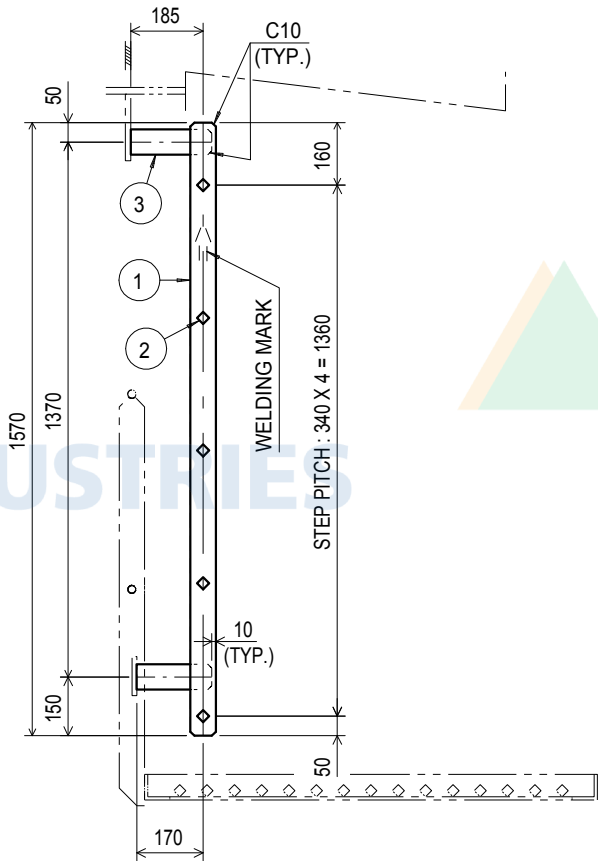
S15P0 S15S0 S16P0 S16S0
S18P0 S18S0 S19P0 S19S0

※ 본도/대칭 제작에 주의

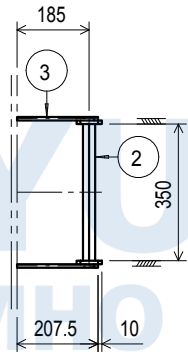
SECTION



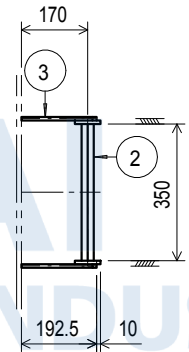
VIEW - "A"



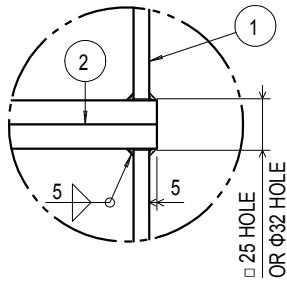
VIEW - "B"



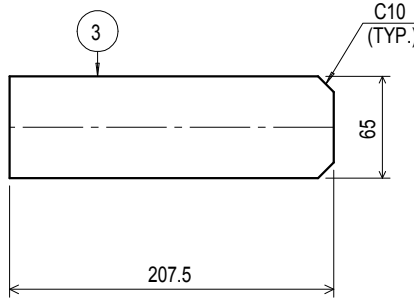
VIEW - "C"



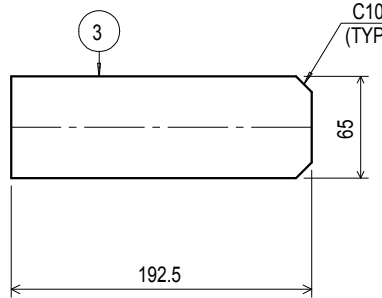
DET. OF "X"



DET. OF "LUG"



DET. OF "LUG"



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



DETAIL OF VERTICAL LADDER

SHIP NO.	8135 - 8137	04
DWG NO.	S14P-J16BB	

NOTE

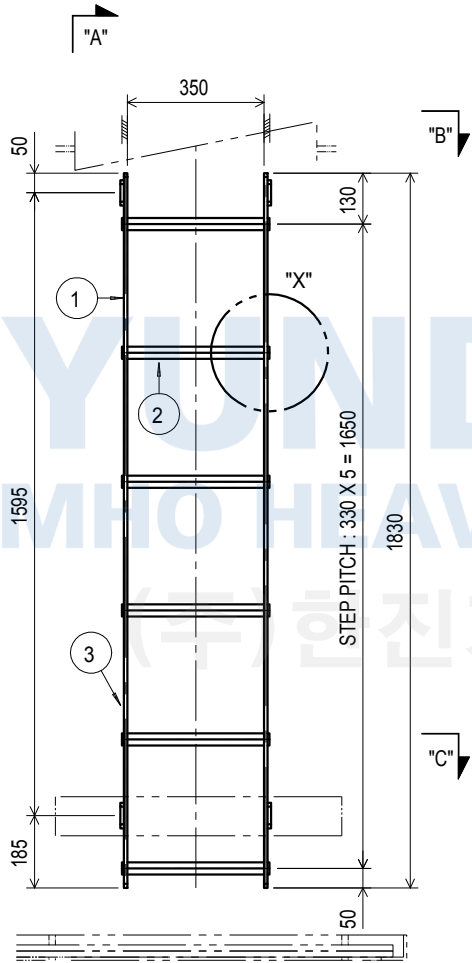
1. 본도는 PORT SIDE 를 나타내었으며, STB'D SIDE 는 대칭 제작 할 것.
2. PAINT CODE : PT
- ※ 폭 350MM
- ※ STEP PITCH : 330MM

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
S21P0	VLS-T101P	1	29.7	본도 제작
S21S0	VLS-T101S	1	29.7	대칭 제작

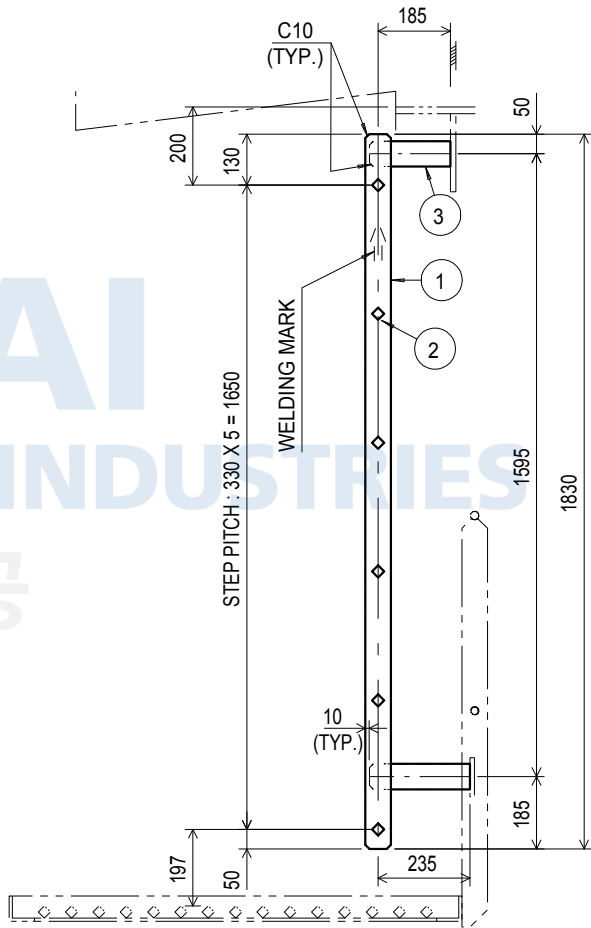
설치 BLOCK

S21P0 S21S0

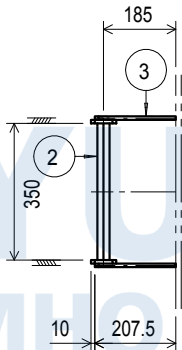
SECTION



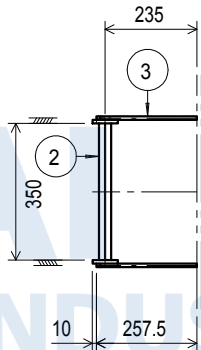
VIEW - "A"



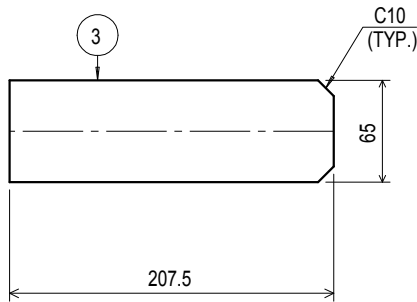
VIEW - "B"



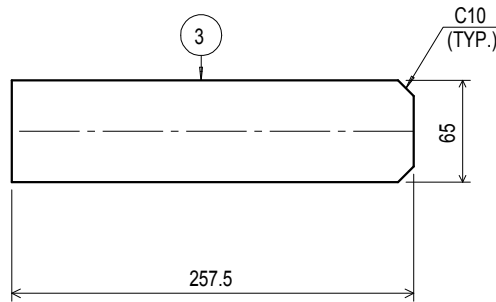
VIEW - "C"



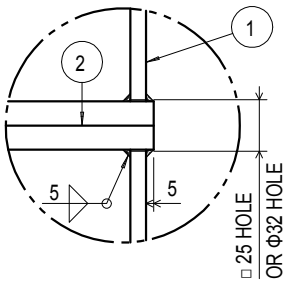
DET. OF " LUG "



DET. OF " LUG "

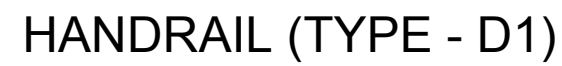


DET. OF "X"

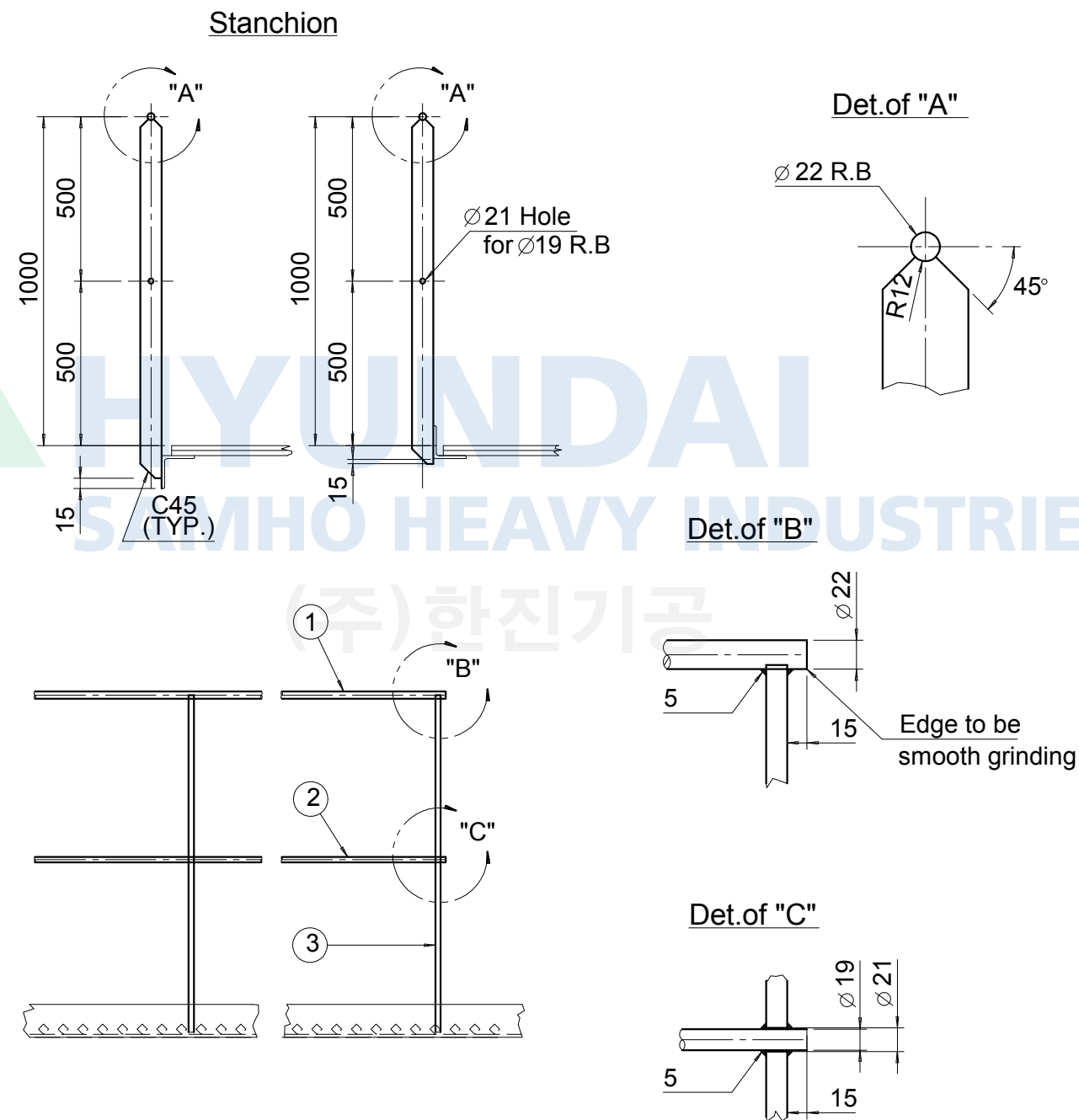


3	LUG	65 X 9t F.B	SS400 or SS275	4		
2	STEP	22 SQ.BAR	SS400 or SS275	6		
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

O8135-S14PJ16BB-04



No.	Description	Size	Mat'l	Q'ty / Set	Wt(kg)	Remark
1	Top rail	Ø 22 R.B	SS400 or SS275	1		
2	Mid rail	Ø 19 R.B	SS400 or SS275	1		
3	Stanchion	65X16t F.B	SS400 or SS275	1		



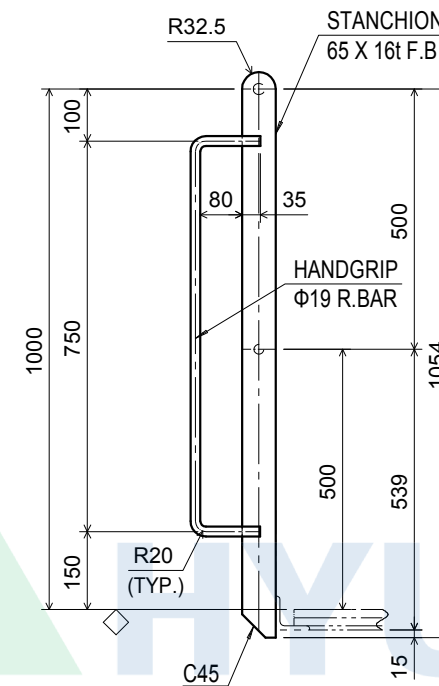
Note

- 1.Stanchion space : Abt. 1500mm
- 2.Application : Access platforms in cargo tank for tanker including product oil carrier
- 3.Surface treatment shall be done in accordance with Painting specification.

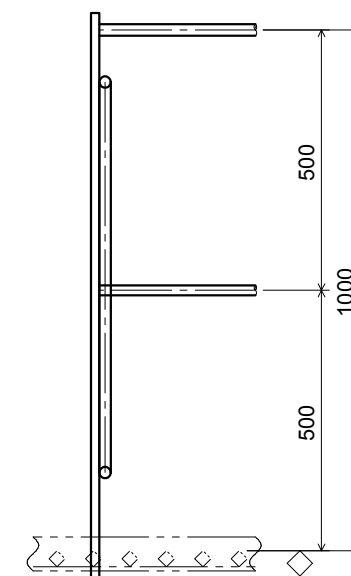
DETAIL OF STANCHION FOR PLATFORM

SHIP NO.	8135-8137	05
DWG NO.	S14P-J16BB	

TYPE - ER



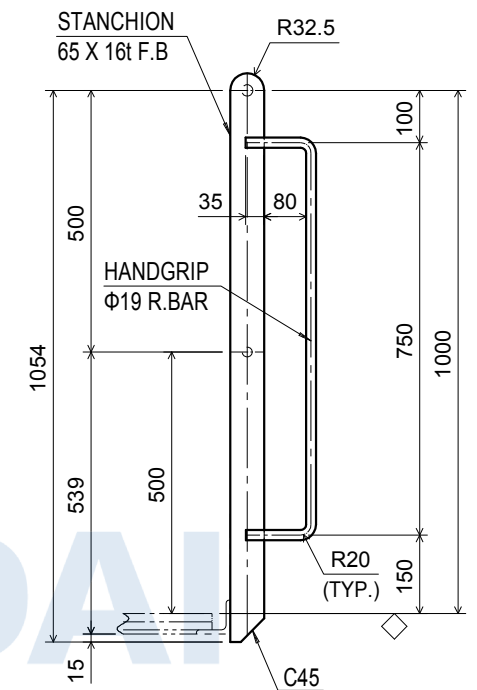
(END STANCHION에 적용)



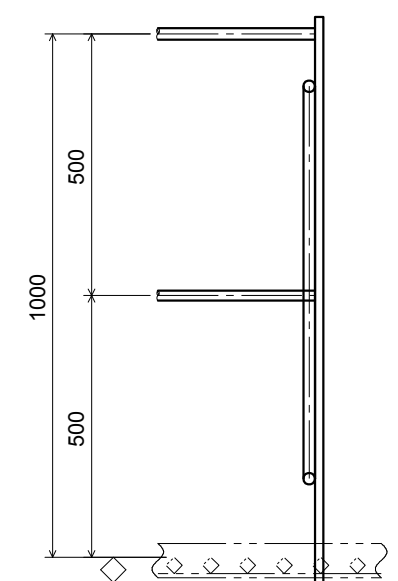
TOP RAIL : $\Phi 22$ R.BAR

MID RAIL : $\Phi 19$ R.BAR

TYPE - EL



(END STANCHION에 적용)



STANCHION : 65 X 16t F.B

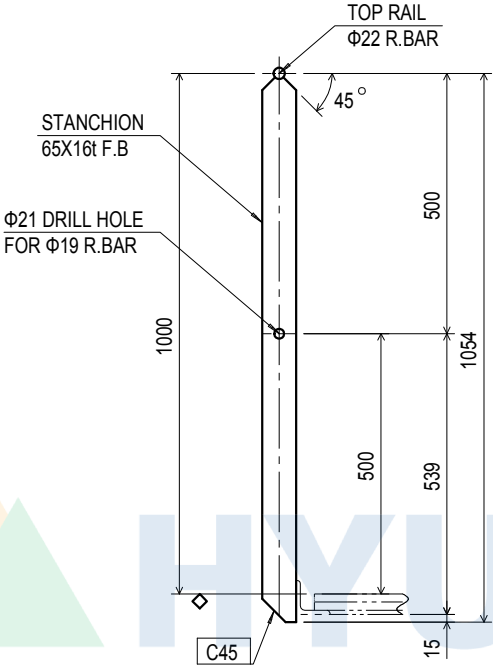


DETAIL OF STANCHION FOR PLATFORM

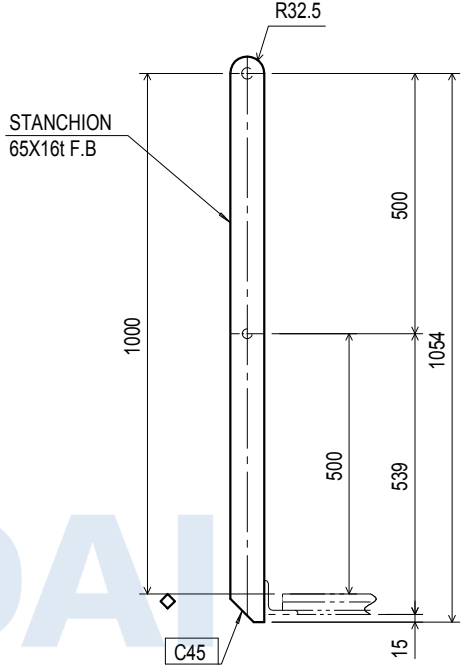
SHIP NO.	8135 - 8137	06
DWG NO.	S14P-J16BB	

TYPE - M

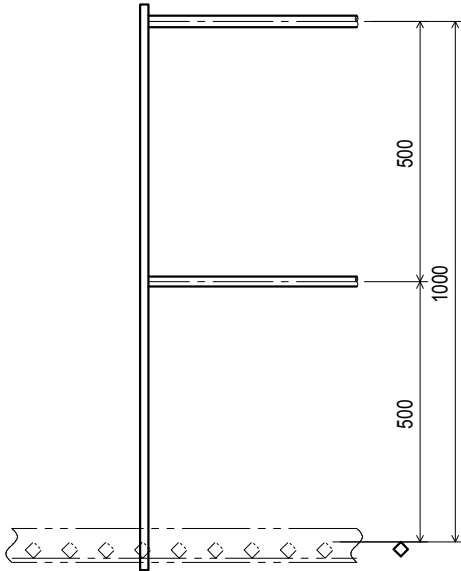
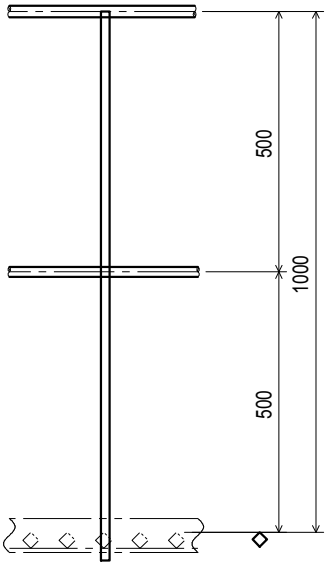
TYPE - E



(MID STANCHION에 적용)



(END STANCHION에 적용)



TOP RAIL : $\Phi 22$ R.BAR

STANCHION : 65 X 16t F.B

MID RAIL : $\Phi 19$ R.BAR



DEATIL OF PLATFORM (1 / 2)

SHIP NO.	8135 - 8137	07
DWG NO.	S14P-J16BB	

NOTE

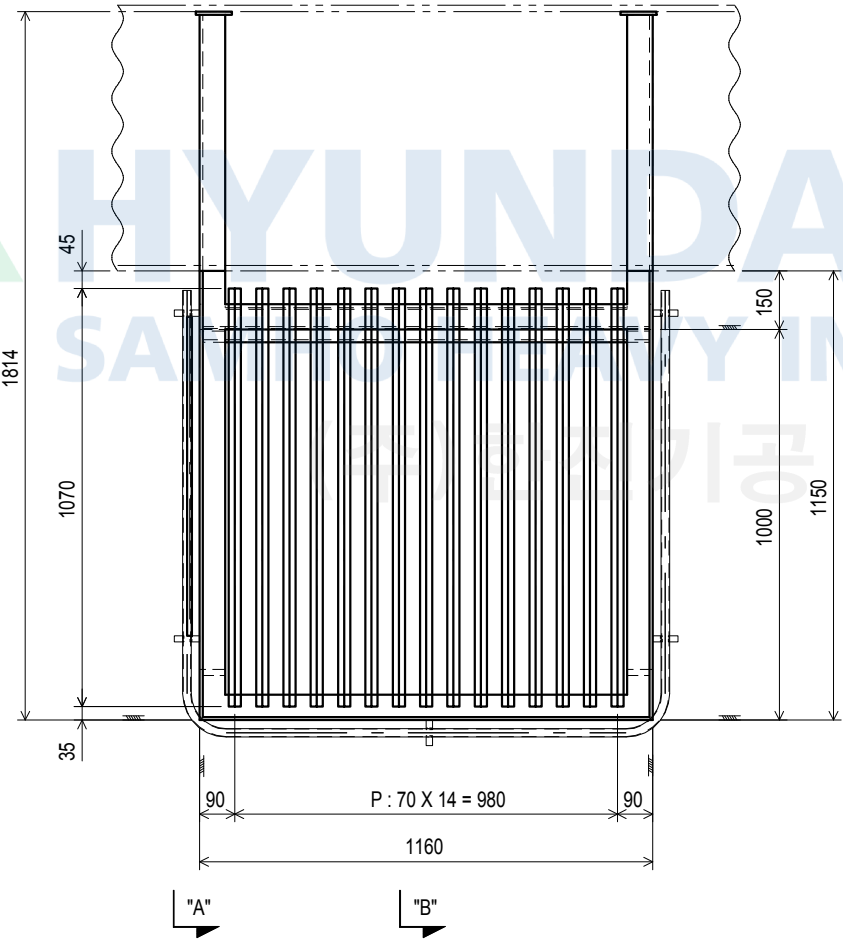
1. 본도는 PORT & STB'D SIDE 를 나타내었으며, 본도/대칭 제작에 주의할 것.
2. PAINT CODE : PT
3. HANDRAIL(STANCHION) 제작시 DETAIL 도면 (PAGE : 05, 06) 참조할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
S15P0	PFS-T501P	1	173.6	본도 제작
S16P0	PFS-T401P	1	173.6	본도 제작
S18P0	PFS-T301P	1	173.6	본도 제작
S19P0	PFS-T201P	1	173.6	대칭 제작
S15S0	PFS-T501S	1	173.6	대칭 제작
S16S0	PFS-T401S	1	173.6	대칭 제작
S18S0	PFS-T301S	1	173.6	대칭 제작
S19S0	PFS-T201S	1	173.6	본도 제작

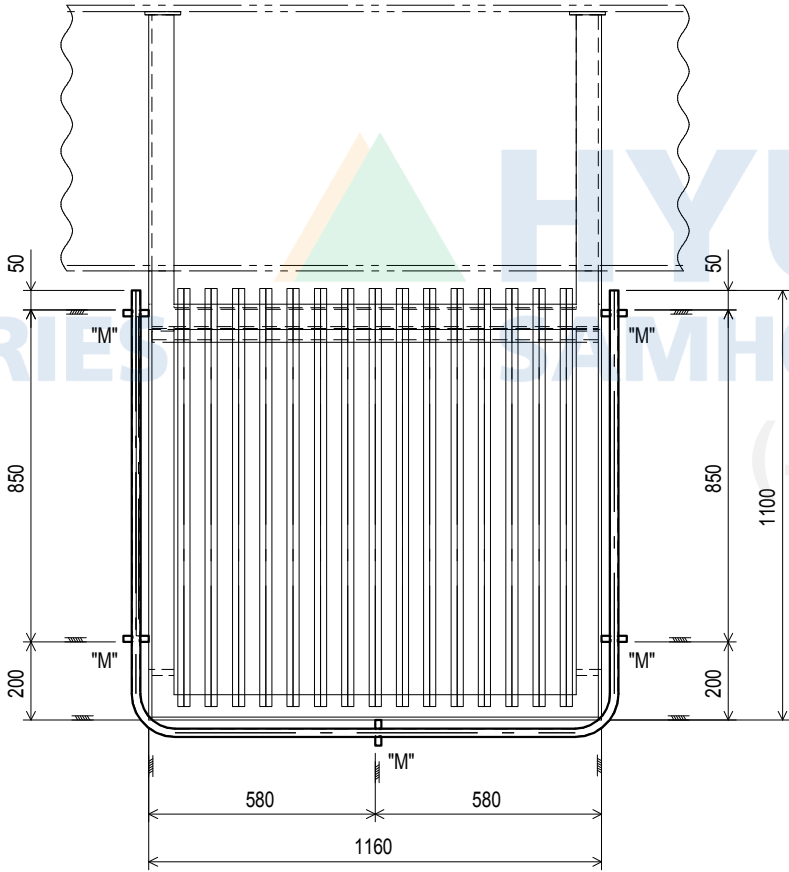
설치 BLOCK

S15P0 S15S0 S16P0 S16S0
S18P0 S18S0 S19P0 S19S0

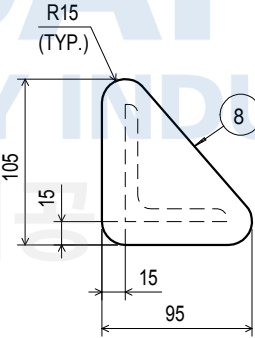
PLATFORM PLAN



HANDRAIL PLAN



DET. OF "PAD"



※ 본도/대칭 제작에 주의

8	PAD FOR SUPPORT	10t PLATE	SS400 or SS275	2		
7	PLATE	100 X 12t F.B	SS400 or SS275	1		
6	MID RAIL	Φ19 R.BAR	SS400 or SS275	1		
5	TOP RAIL	Φ22 R.BAR	SS400 or SS275	1		
4	STANCHION	65 X 16t F.B	SS400 or SS275	5		
3	STEP	22 SQ.BAR	SS400 or SS275	15		
2	SUPPORT	65 X 65 X 8t E.A	SS400 or SS275	1		
1	SIDE FRAME	65 X 65 X 8t E.A	SS400 or SS275	1		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

O8135-S14PJ16BB-07



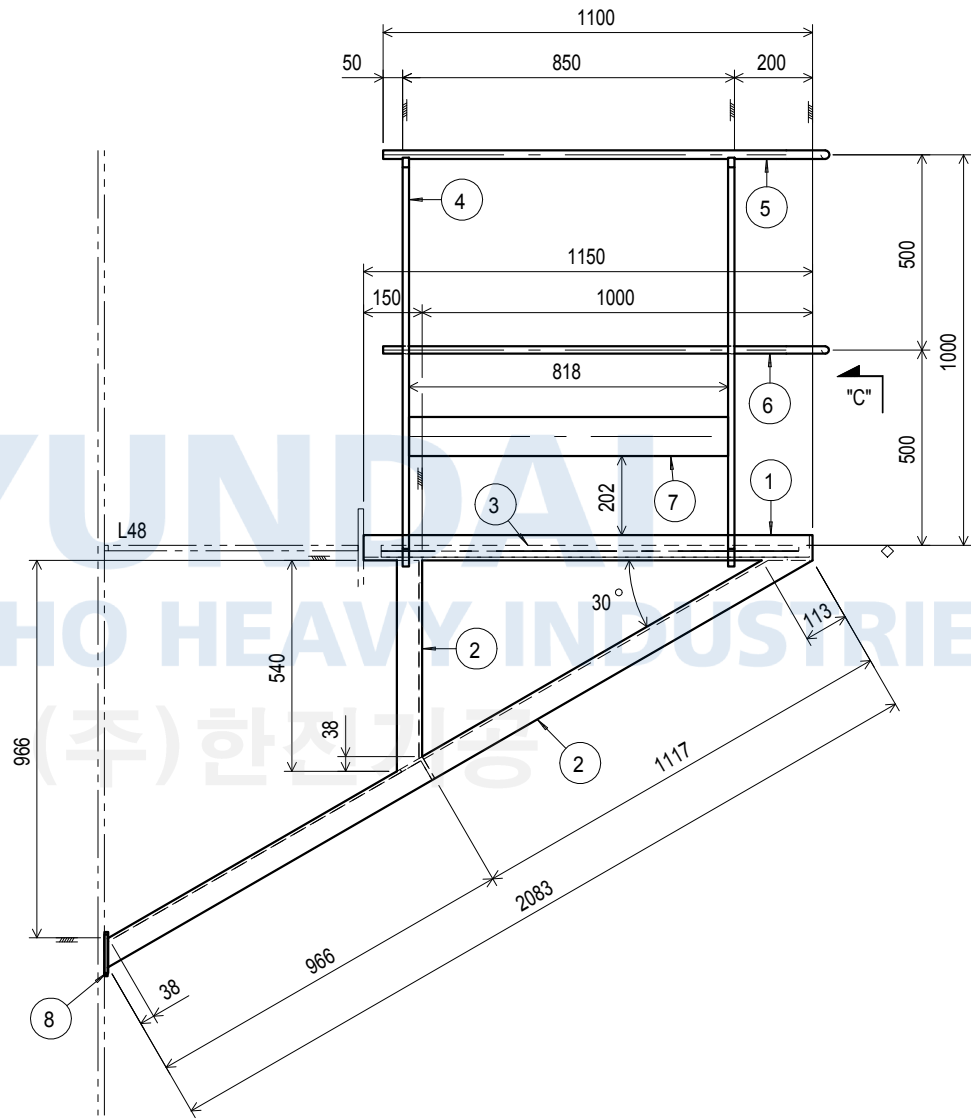
DEATIL OF PLATFORM (2 / 2)

SHIP NO.	8135 - 8137	08
DWG NO.	S14P-J16BB	

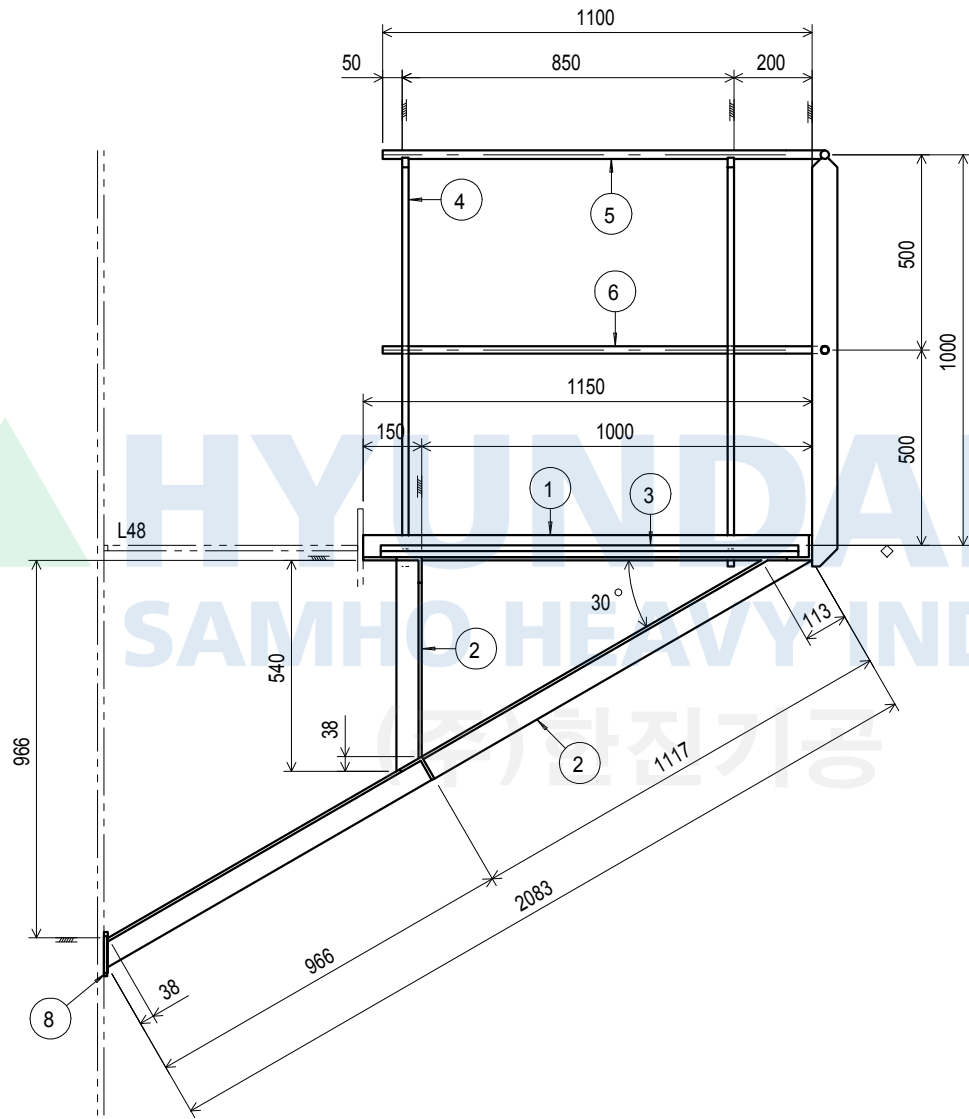
설치 BLOCK

S15P0 S15S0 S16P0 S16S0
S18P0 S18S0 S19P0 S19S0

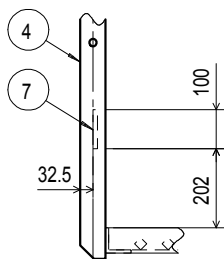
VIEW - "A"



VIEW - "B"



VIEW - "C"



O8135-S14PJ16BB-08



DEATIL OF PLATFORM (1 / 2)

SHIP NO.	8135 - 8137	09
DWG NO.	S14P-J16BB	

NOTE

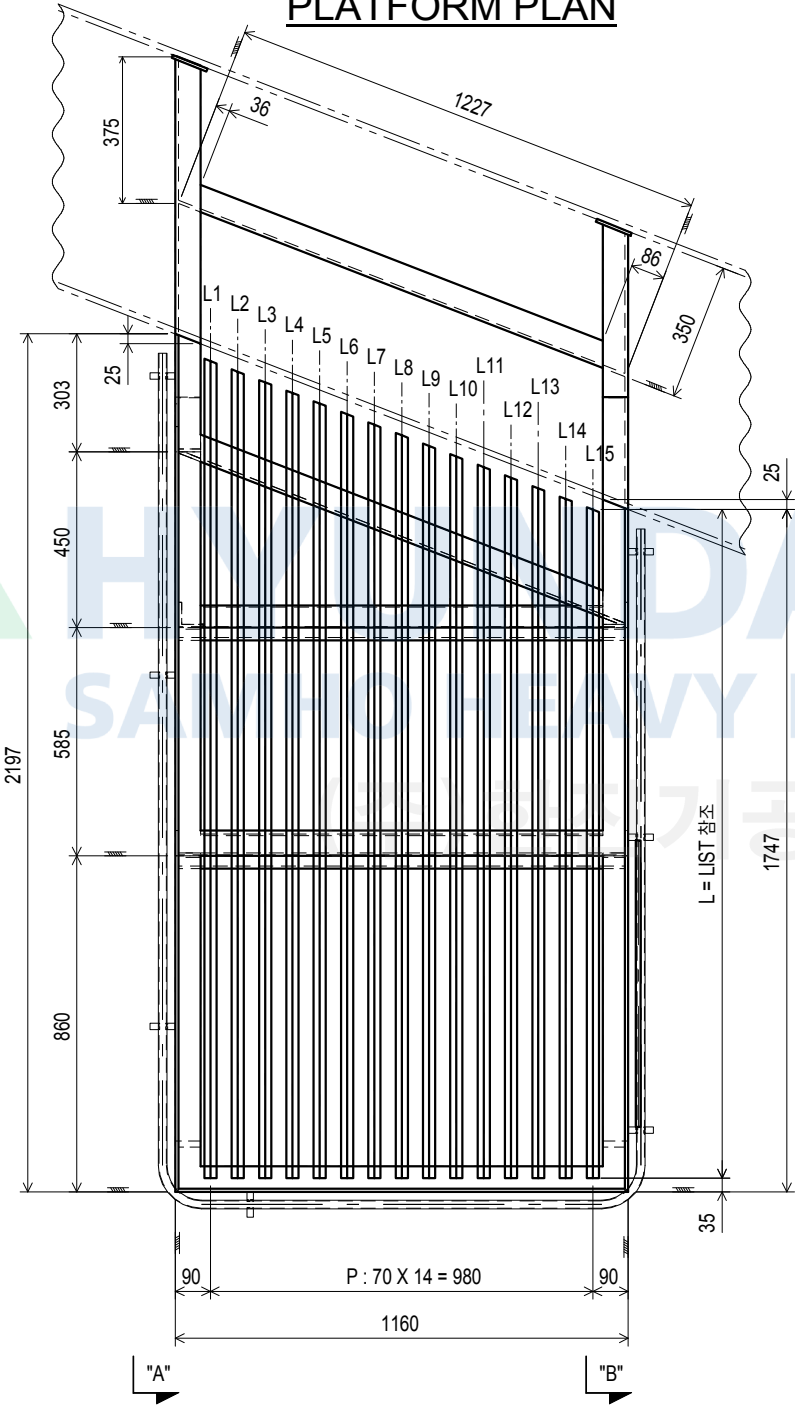
1. 본도는 PORT SIDE 를 나타내었으며, STB'D SIDE 는 대칭 제작 할 것.
2. PAINT CODE : PT
3. HANDRAIL(STANCHION) 제작시 DETAIL 도면 (PAGE : 05, 06) 참조할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
S21P0	PFS-T101P	1	270.4	본도 제작
S21S0	PFS-T101S	1	270.4	대칭 제작

설치 BLOCK

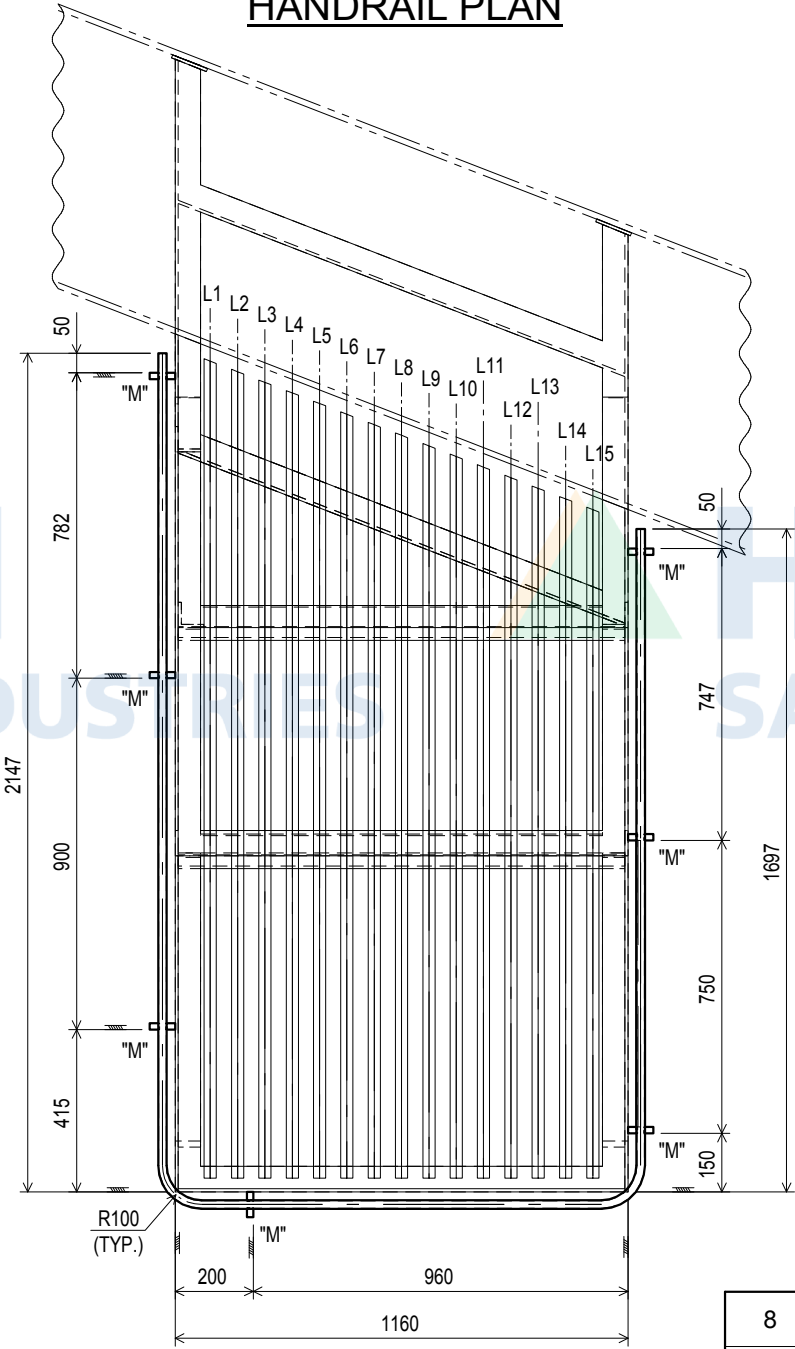
S21P0 S21S0

PLATFORM PLAN



대칭 제작 기준선

HANDRAIL PLAN

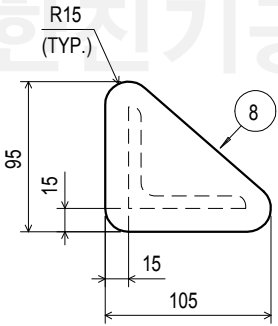


대칭 제작 기준선

"L" 값 LIST

L1	2092	L9	1875
L2	2065	L10	1848
L3	2038	L11	1821
L4	2011	L12	1794
L5	1984	L13	1767
L6	1956	L14	1739
L7	1929	L15	1712
L8	1902		

DET. OF "PAD"



8	PAD FOR SUPPORT	10t PLATE	SS400 or SS275	2		
7	PLATE	100 X 12t F.B	SS400 or SS275	1		
6	MID RAIL	Φ19 R.BAR	SS400 or SS275	1		
5	TOP RAIL	Φ22 R.BAR	SS400 or SS275	1		
4	STANCHION	65 X 16t F.B	SS400 or SS275	7		
3	STEP	22 SQ.BAR	SS400 or SS275	15		
2	SUPPORT	65 X 65 X 8t E.A	SS400 or SS275	1		
1	SIDE FRAME	65 X 65 X 8t E.A	SS400 or SS275	1		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK

O8135-S14PJ16BB-09



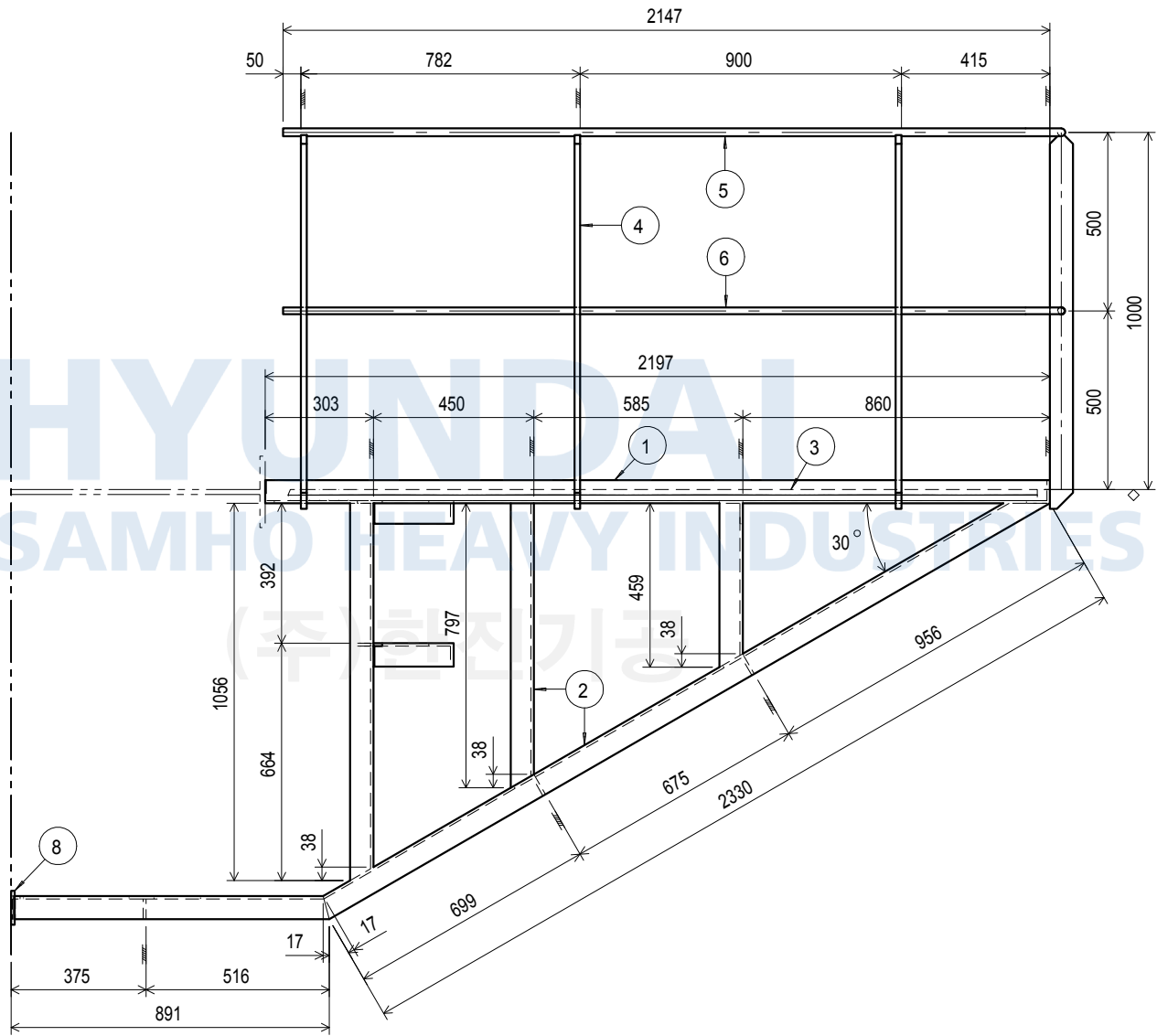
DEATIL OF PLATFORM (2 / 2)

SHIP NO.	8135 - 8137	10
DWG NO.	S14P-J16BB	

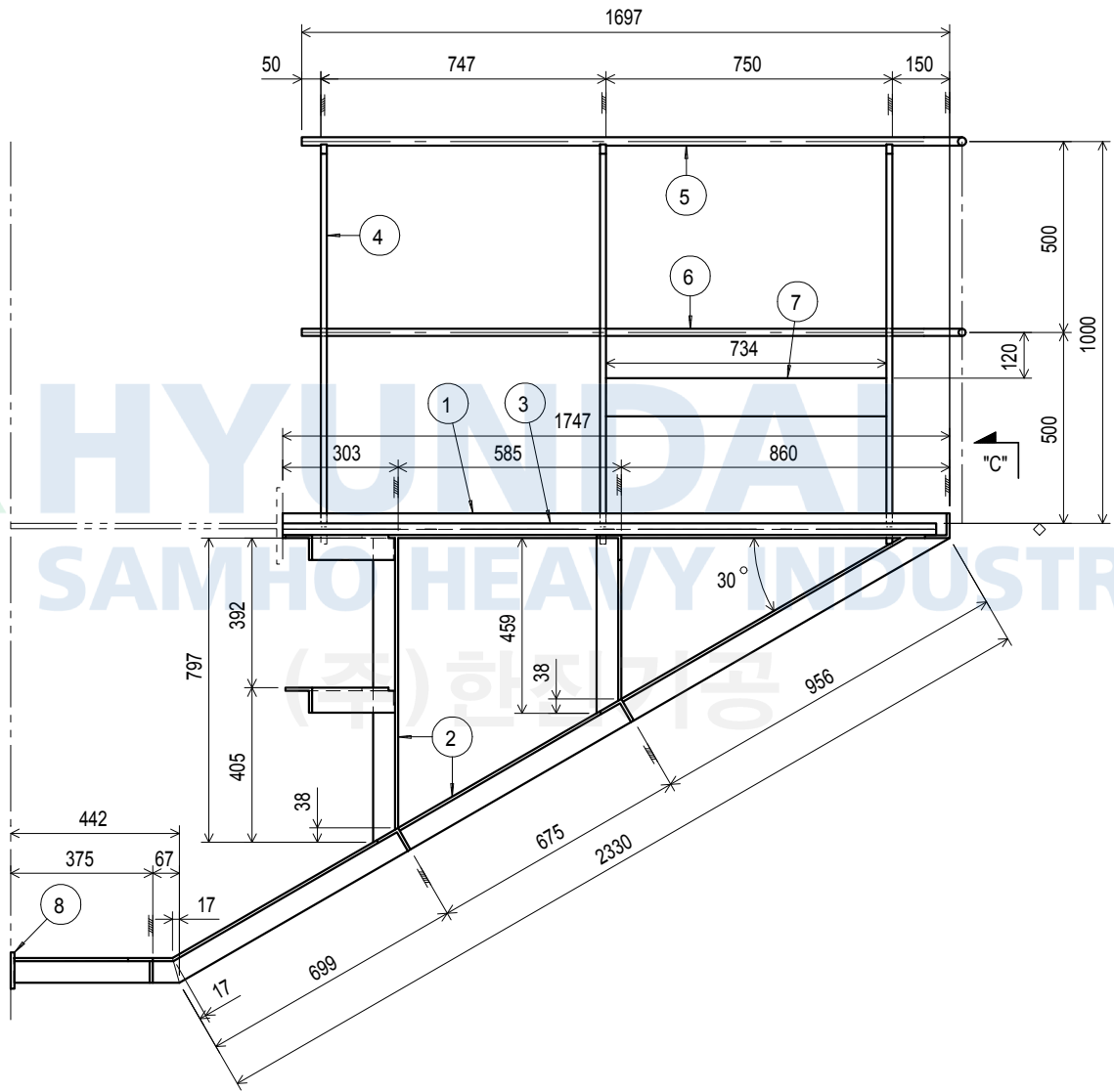
설치 BLOCK

S21P0 S21S0

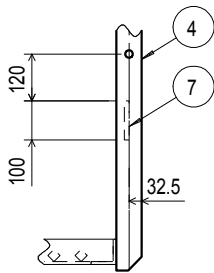
VIEW - "A"



VIEW - "B"



VIEW - "C"





DEATIL OF PLATFORM (1 / 2)

SHIP NO.	8135 - 8137	11
DWG NO.	S14P-J16BB	

NOTE

1. 본도는 PORT & STB'D SIDE 를 나타내었으며, 본도/대칭 제작에 주의할 것.
2. PAINT CODE : PP
3. HANDRAIL(STANCHION) 제작시 DETAIL 도면 (PAGE : 05, 06) 참조할 것.

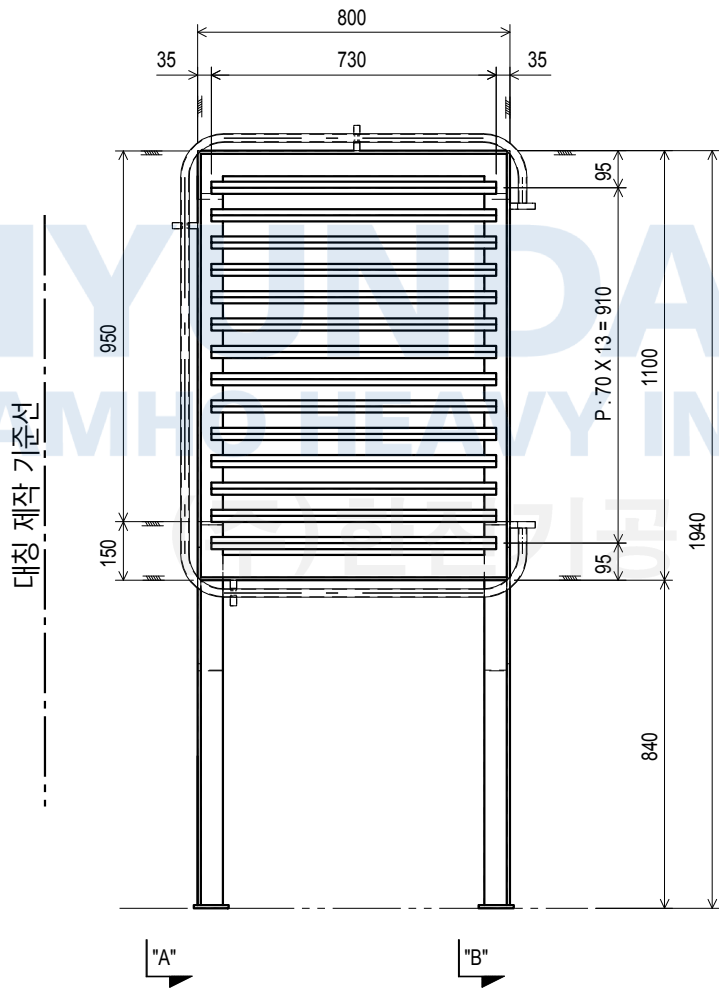
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
S11P0	PFS-W651P	1	140.7	본도 제작
S14P0	PFS-W551P	1	140.7	대칭 제작
S15P0	PFS-W451P	1	140.7	본도 제작
S18P0	PFS-W351P	1	140.7	대칭 제작
S19P0	PFS-W251P	1	140.7	대칭 제작
S11S0	PFS-W651S	1	140.7	대칭 제작
S14S0	PFS-W551S	1	140.7	본도 제작
S15S0	PFS-W451S	1	140.7	대칭 제작
S18S0	PFS-W351S	1	140.7	본도 제작
S19S0	PFS-W251S	1	140.7	본도 제작

설치 BLOCK

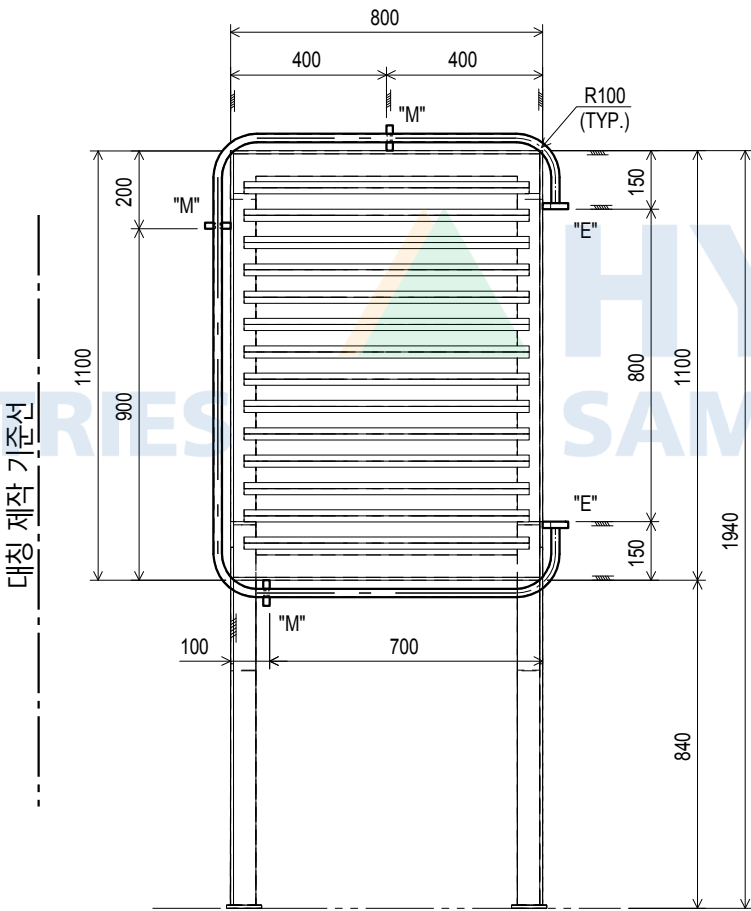
S11P0 S11S0 S14P0 S14S0
S15P0 S15S0 S18P0 S18S0
S19P0 S19S0

※ 본도/대칭 제작에 주의

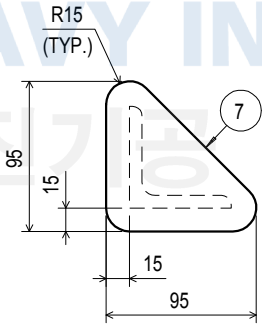
PLATFORM PLAN



HANDRAIL PLAN



DET. OF "PAD"



7	PAD FOR SUPPORT	10t PLATE	SS400 or SS275	4		
6	MID RAIL	Φ19 R.BAR	SS400 or SS275	2		
5	TOP RAIL	Φ22 R.BAR	SS400 or SS275	2		
4	STANCHION	65 X 16t F.B	SS400 or SS275	5		
3	STEP	22 SQ.BAR	SS400 or SS275	14		
2	SUPPORT	65 X 65 X 8t E.A	SS400 or SS275	1		
1	SIDE FRAME	65 X 65 X 8t E.A	SS400 or SS275	1		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



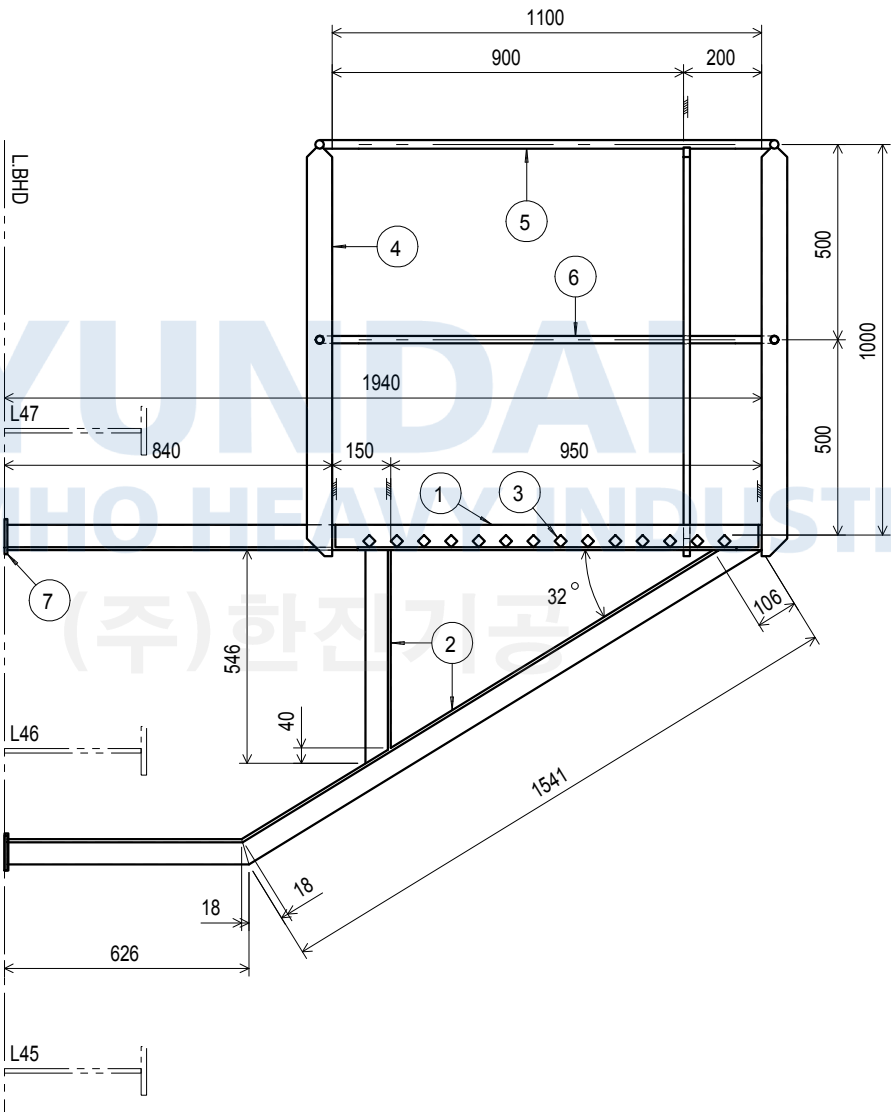
DEATIL OF PLATFORM (2 / 2)

SHIP NO.	8135 - 8137	12
DWG NO.	S14P-J16BB	

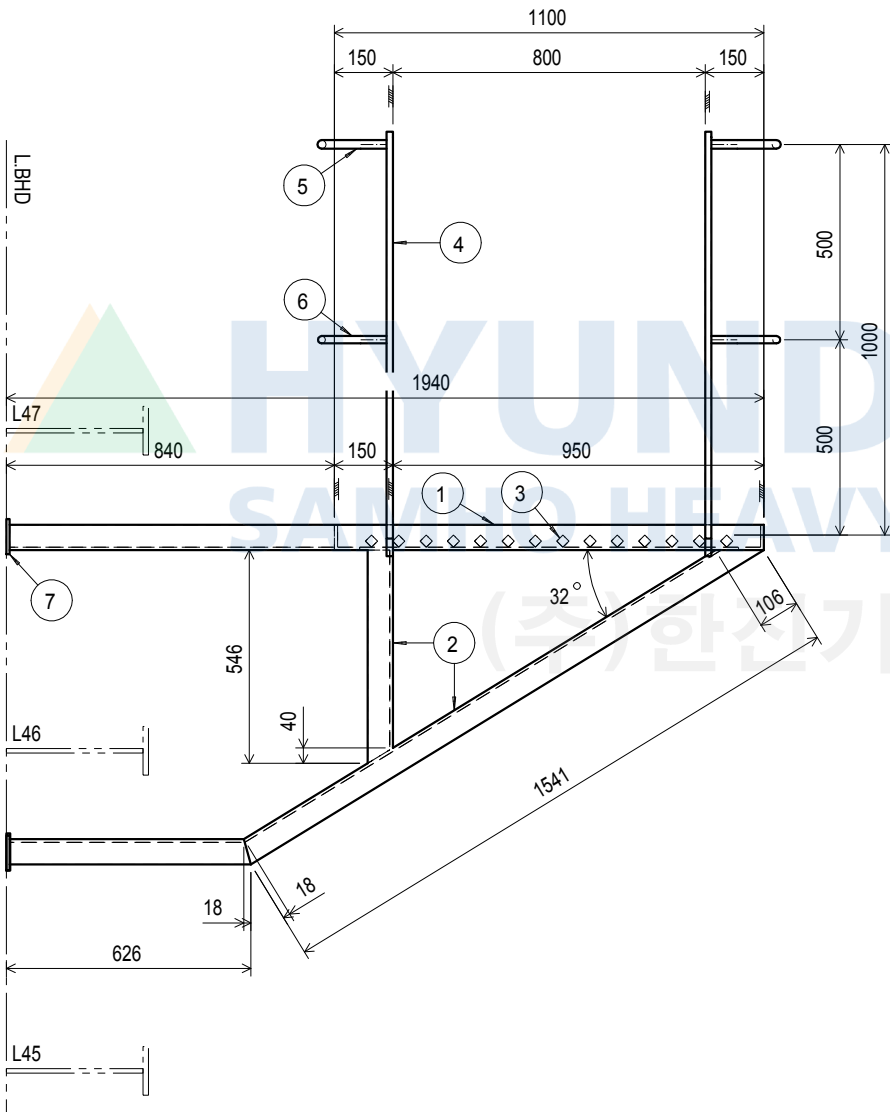
설치 BLOCK

S11P0 S11S0 S14P0 S14S0
S15P0 S15S0 S18P0 S18S0
S19P0 S19S0

VIEW - "A"



VIEW - "B"





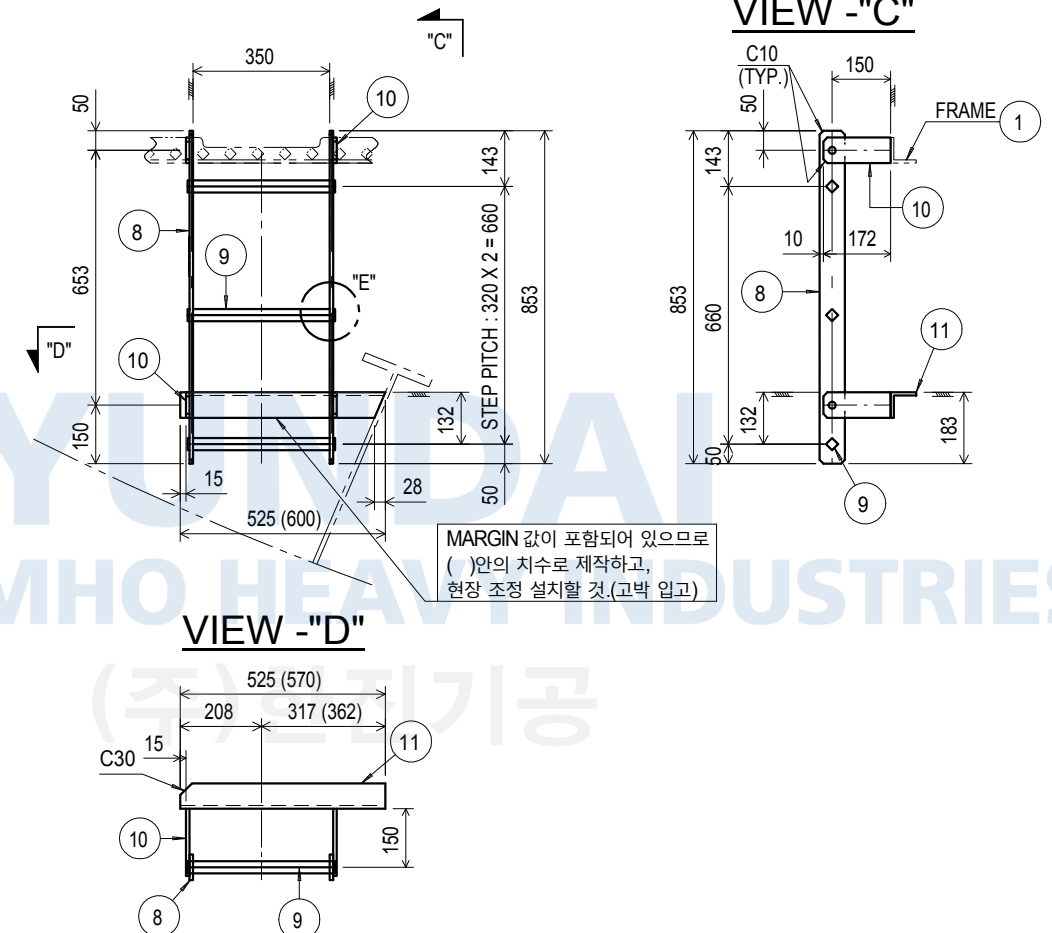
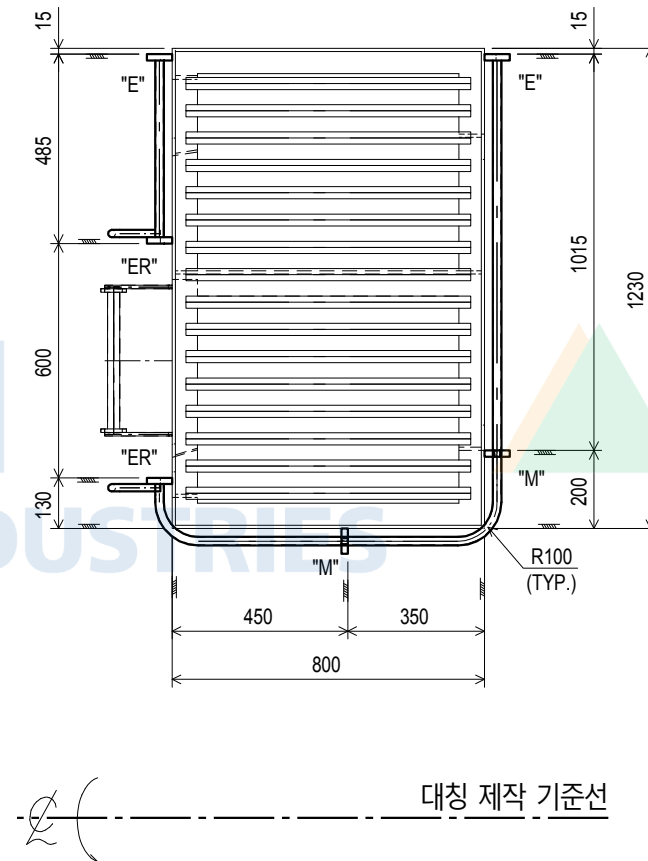
SHIP NO.	8135 - 8137	13
DWG NO.	S14P-J16BB	

1. 본도는 PORT SIDE 를 나타내었으며, STB'D SIDE 는 대칭 제작 할 것.
2. PAINT CODE : PP
3. HANDRAIL(STANCHION) 제작시 DETAIL 도면 (PAGE : 05, 06) 참조할 것.

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
B51P0	PFB-W601P	1	147.9	본도 제작
B51S0	PFB-W601S	1	147.9	대칭 제작

B51P0 B51S0

V/LADDER는 PLATFORM에 설치하여 입고할 것



Technical drawing of a circular component with a central hole and a slot. The drawing shows a cross-section of a circular part with a central hole. A slot is cut into the side of the part. Dimension lines indicate a diameter of 25 for the hole and a width of 5 for the slot. Callouts 9 and 10 point to the inner and outer surfaces of the slot respectively.

12	BOLT/NUT & S/W	M16 X 45L	SUS304	4		V/LADDER
11	SUPPORT(V/L)	65 X 65 X 8t E.A	SS400 or SS275	1		
10	LUG(V/L)	65 X 9t F.B	SS400 or SS275	4		
9	STEP(V/L)	22 SQ.BAR	SS400 or SS275	3		
8	SIDE FRAME(V/L)	65 X 9t F.B	SS400 or SS275	2		
7	HANDGRIP	Φ19 R.BAR	SS400 or SS275	2		
6	MID RAIL	Φ19 R.BAR	SS400 or SS275	2		
5	TOP RAIL	Φ22 R.BAR	SS400 or SS275	2		
4	STANCHION	65 X 16t F.B	SS400 or SS275	6		
3	STEP	22 SQ.BAR	SS400 or SS275	16		
2	SUPPORT	65 X 65 X 8t E.A	SS400 or SS275	1		
1	SIDE FRAME	65 X 65 X 8t E.A	SS400 or SS275	1		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	WEIGHT(KG)	REMARK



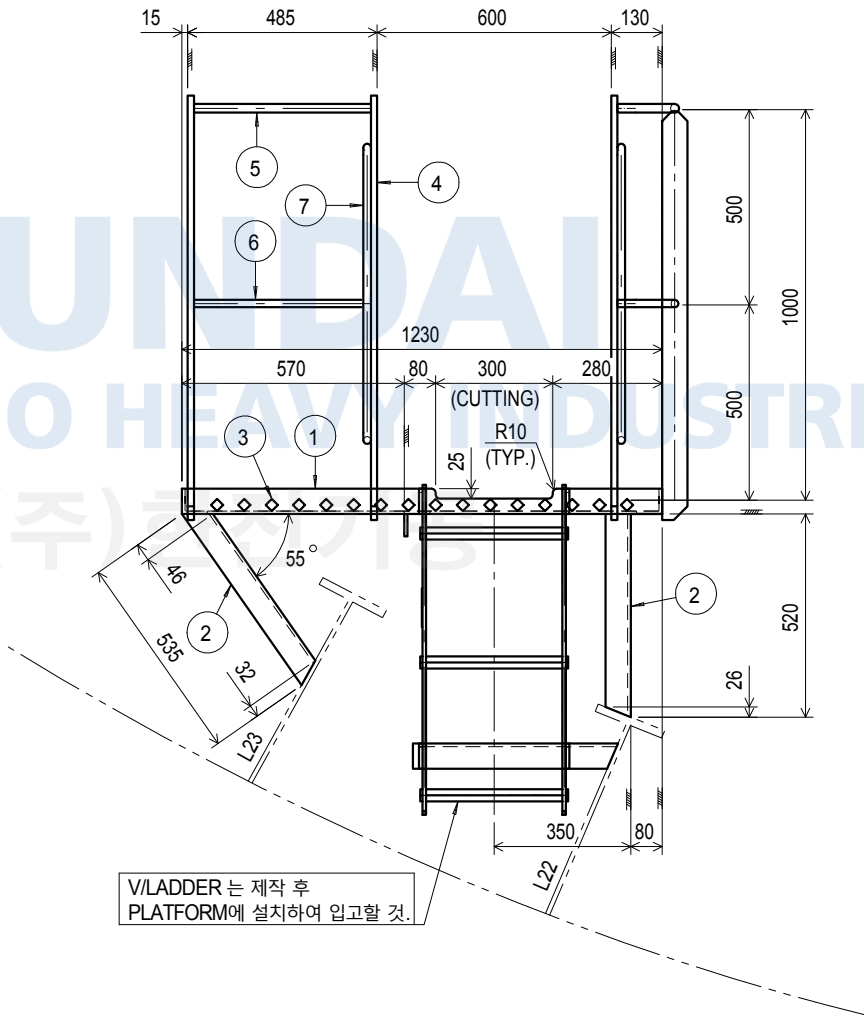
DEATIL OF PLATFORM (2 / 2)

SHIP NO.	8135 - 8137	14
DWG NO.	S14P-J16BB	

설치 BLOCK

B51P0 B51S0

VIEW - "A"



VIEW - "B"

