



PLAN HISTORY

DATE	REV. NO.	DESCRIPTION	DRAWN	CHECKED	APPROVED
2023. 06. 01	0	8140, 8198 / 8199, SMR FITTINGS 제작 도면으로 작성	이승안	김광백	정호진

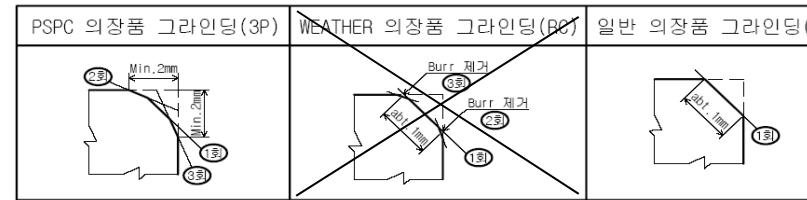
HYUNDAI SAMHO HEAVY INDUSTRIES
(주)한진기공

PAINTING SPEC. 특기사항						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
납기 LIST에 표기된 PAINTING CODE에 따라 도장 적용 할 것.							

NOTE

1. 본도는 SMR FITTINGS 제작 도면임.

2. 모서리 부분은 하기와 같이 GRINDING 할 것.



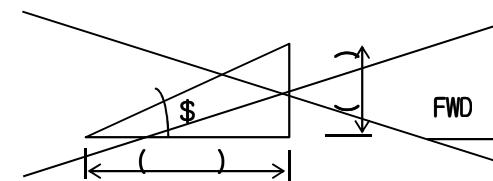
3. 용접은 특기와 하기 표 참조하고 연속 용접 할 것.

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

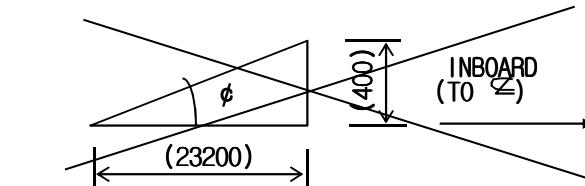
MAT'L THICKNESS	4.5	6	7~8	9~10	11~12	13	14~15	16~18	19~20
LEG LENGTH	3	4	4.5	5	5.5	6	7	7.5	9

4. 제작 시 DECK 상의 SHEER (\$: /)와 CAMBER (ϕ : 600 / 25500)를 필히 적용할 것.

SHEER :



CAMBER : 0.99 °



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 밴트(VENT) 이름을 매직펜으로 기록하여 입력하고, 야드에서 정방향 설치시 나사의 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 PT 1/8" BALL TYPE 러버캡을 씌울것(MAT'L : BRASS)

10. P.O.R NO. : JMS

11. TOTAL WEIGHT : 263.8 KG/SHIP (표지 포함 10 매)

DEPT.	SHIP NO.	SHIP TYPE
B126	8140, 8198 / 8199	174,000 CBM CLASS LNGC

TEL.	부서명	도면명
2907	선장설계부	

승인	정호진	MFG. OF SMR FITTINGS
검토	김광백	
작성	이승안	

도면 번호	G21UJ417B - 0
날짜	2023. 06. 01

HYUNDAI SAMHO HEAVY INDUSTRIES



製作仕様書(외주구매용)

제작품별 납기 LIST

SHIP NO.

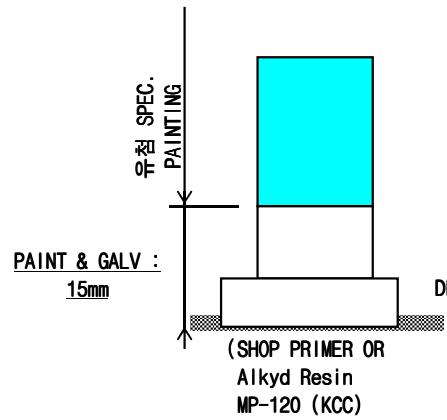
8140, 8198 / 8199

01

DWG NO.

G21UJ417B

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 끓음 WIRE(철사)는 필히 부식 방지용 COATING WIRE를 사용하여 입고시킬 것.
11. 의장품 자재 입고시 상.하.좌.우로 움직일수 있는 항복들은 상기 10)번 항에 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.

P.O.R NO	SEQ NO	BLOCK	STAGE	MARK NO	DESCRIPTION	PAINT CODE	Q'TY /SHIP	WEIGHT (KG/SET)	설치부서
JMS	01	G13S0	NS	VL-C90	VERTICAL LADDER	PD+PK	1	39.3	
	02	G13S0	NS	HG-C90,C91	HANDGRIP	PD	2	3.9	
	03	G13S0	NS	HR-C91	HANDRAIL	PD	1	27.2	
	04	G13S0	NS	HR-C92	HANDRIL	PD	1	7.2	
	05	G13S0	NS	ST-P1	STEP	PD	1	18.1	
	06	G13S0	NS	WC-C91	WATER COAMING (75X6t F.B - 775L)	PD	1	4.6	
	07	G13S0	NS	WC-C92	WATER COAMING (75X6t F.B - 1100L)	PD	2	6.5	
	08	G13S0	NS	WC-C93	WATER COAMING (75X6t F.B - 600L)	PD	2	2.1	
	09	G13S0	NS	WC-C94	WATER COAMING (75X6t F.B - 250L)	PD	1	0.9	
	10	G13S0	NS	WC-C95	WATER COAMING (75X6t F.B - 2840L)	PD	1	10.3	
	11	G13S0	NS	ST-C01	STEP	PD	2	5.0	
	12	G13S0	NS	ST-C02	SUPPORT	PD	2	5.0	
	13	G13S0	NS	HR-P1	25A S.P.P (5.0M)	PD	1	15.8	
	14	G13S0	NS	VIB-300	ANTI-VIB. STOPPER(300L)	PD	20	0.7	
	15	G13S0	NS	VIB-500	ANTI-VIB. STOPPER(500L)	PD	20	1.1	
	16	G13S0	NS	VIB-1000	ANTI-VIB. STOPPER(1000L)	PD	10	1.8	
	17	G13S0	NS	VIB-1200	ANTI-VIB. STOPPER(1200L)	PD	10	2.2	
	18	G13S0	NS	SUP-2	75X75X9t E.A - 850L	PD	2	8.5	
	19	G13S0	NS	SUP-3	25X6t F.B - 50L	IZ	2	0.1	
	20	G13S0	NS	SUP-4	50X6t F.B - 510L	PD	2	1.2	
84 263.8									

DET. OF VERTICAL LADDER

SHIP NO. 8140,8198/8199
DWG NO.

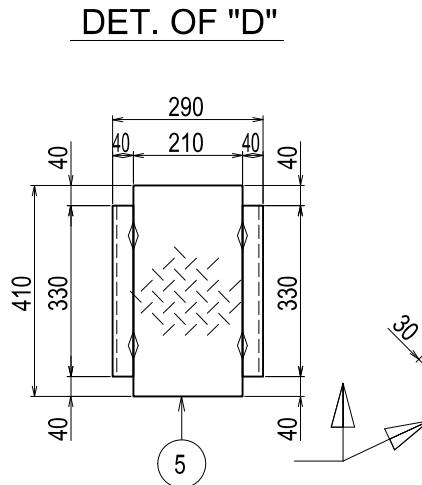
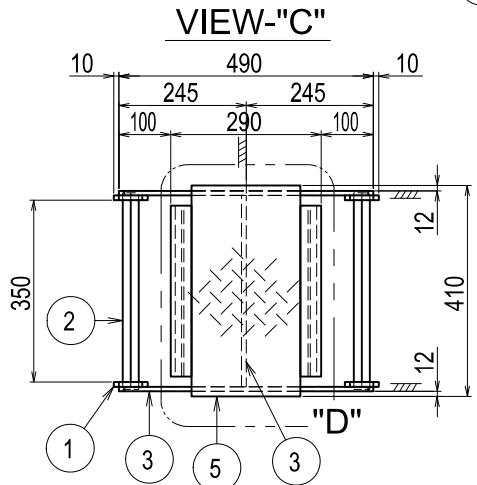
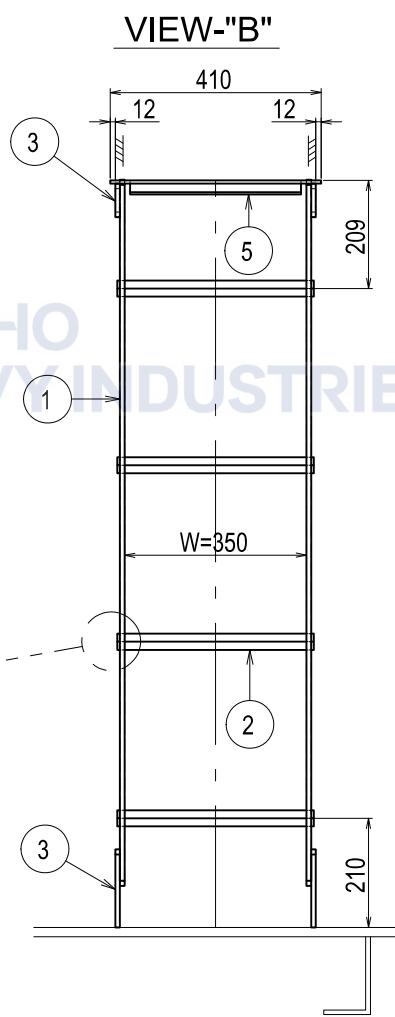
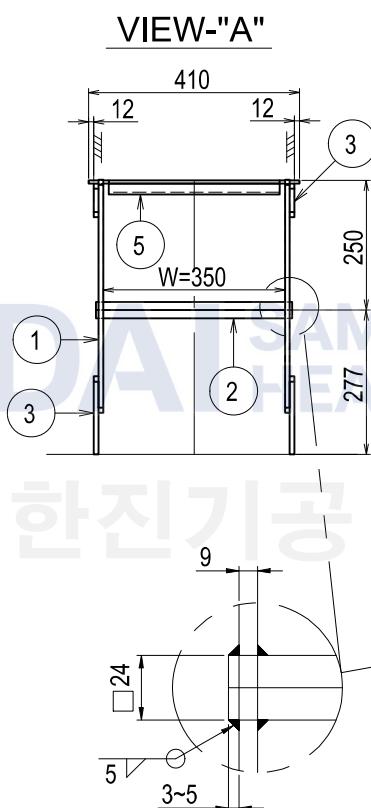
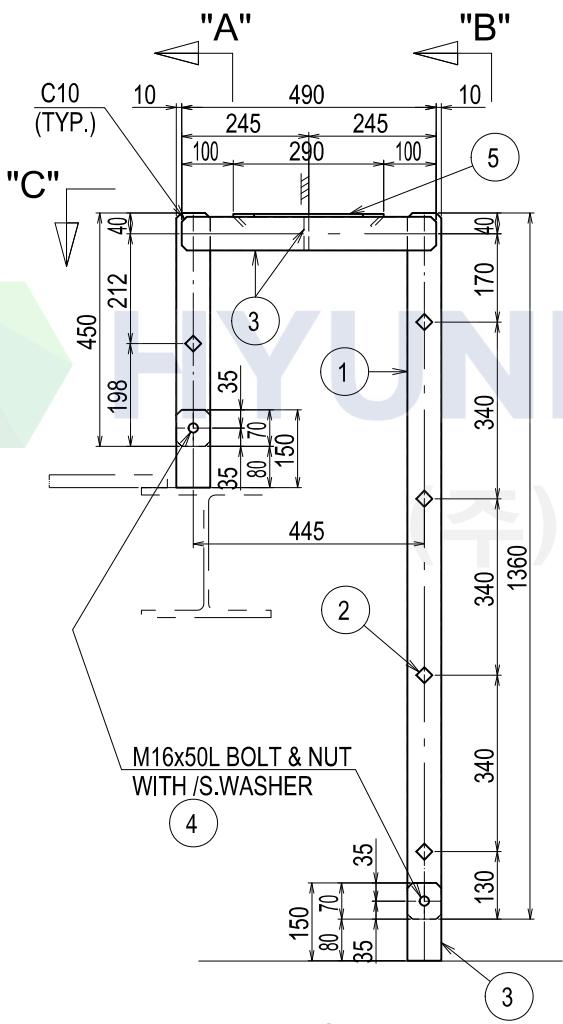
NO.	DESCRIPTION	SIZE	MAT'L	Q'TY/SET	W.T (kg)	REMARK
1	SIDE FRAME	65x9t F.B	SS400 or SS275	2	16.4	
2	STEP	22 SQ.B	SS400 or SS275	5	7.0	
3	LUG	65x9t F.B	SS400 or SS275	7	8.9	
4	BOLT, NUT, S/ WASHER	M16x50L	SUS304	4	-	
5	CHECKED PLATE	6t Ch.PL	SS400 or SS275	1	7.0	

NOTE

TOTAL W.T : 39.3 KG/SHIP

1. MARK NO. : VL-C90
2. 제작수량 : 1 SET/SHIP

* CHECKED PLATE 상면 도장 시
COVER SHEET 참조할 것.



DET. OF HAND GRIP

SHIP NO.

8140,8198/8199

DWG NO.

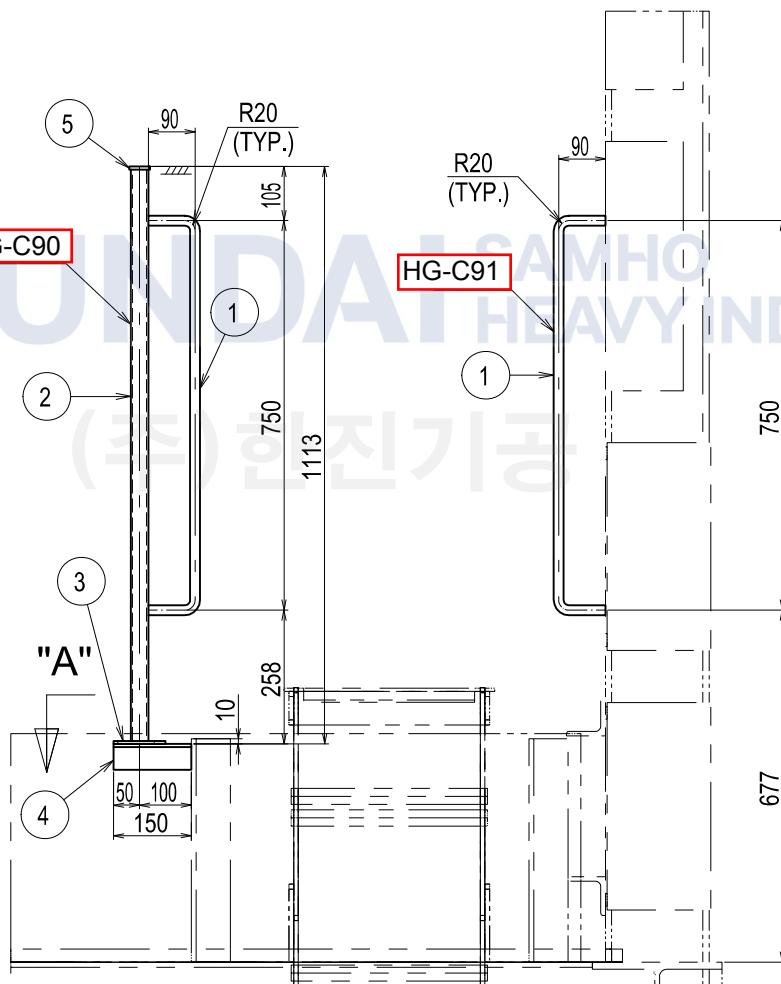
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NO.	DESCRIPTION	SIZE	MAT'L	Q'TY/SET	W.T (kg)	REMARK
1	HANDGRIP	Ø19 R.B	SS400 or SS275	2	4.0	
2	STANCHION	25A PIPE	SPP	1	2.7	
3	END PLATE	100x50x6t PLATE	SS400 or SS275	1	0.2	
4	SUPPORT	50x50x6t E.A	SS400 or SS275	1	0.7	
5	TOP PLATE	Ø40x6t PLATE	SS400 or SS275	1	0.1	
6	BOLT & NUT	M12x30L	SUS304	2	-	

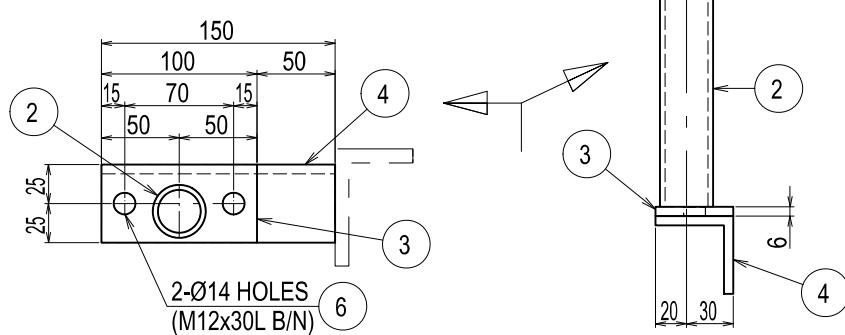
TOTAL W.T : 7.7 KG/SHIP

NOTE

1. MARK NO. : HG-C90,91
2. 제작수량 : 2 SETS/SHIP

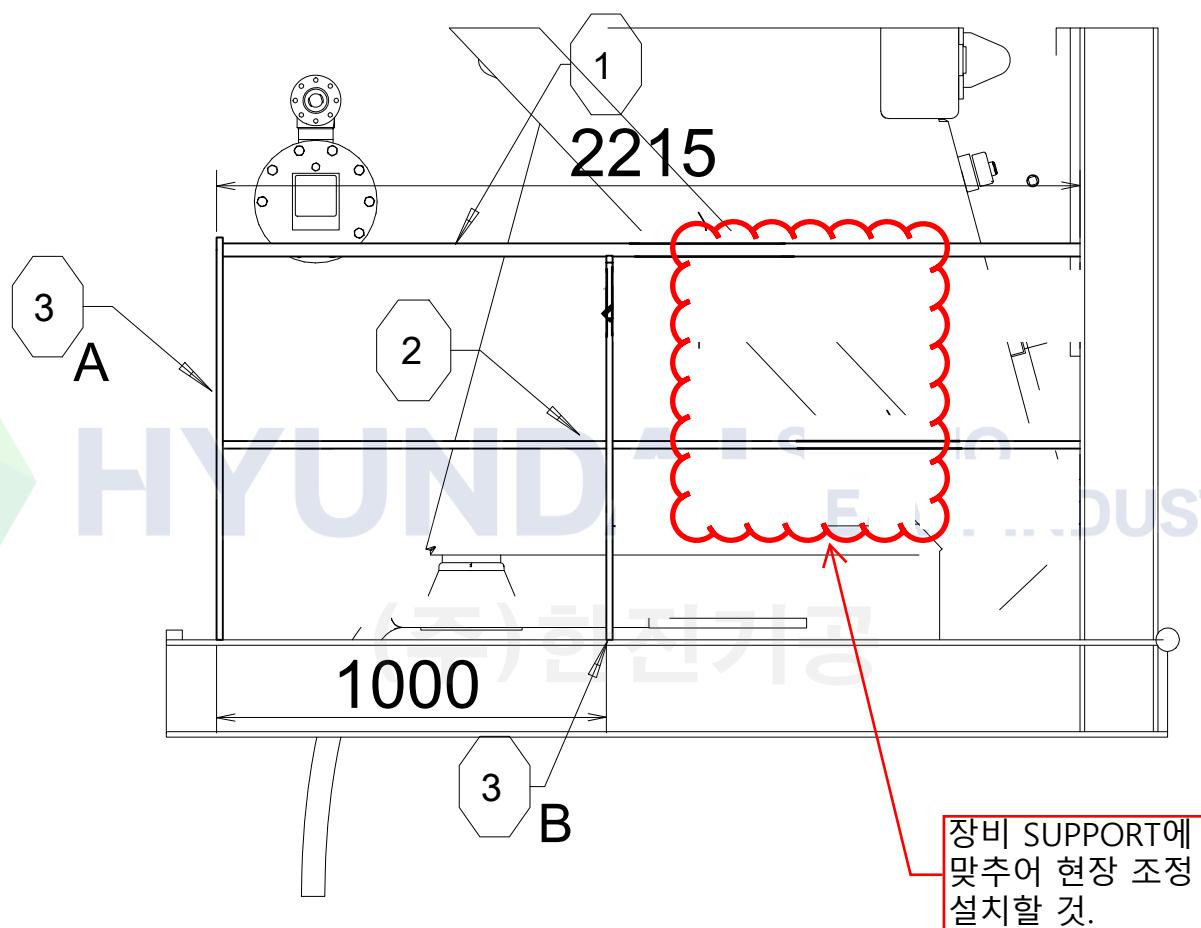


VIEW-"A"



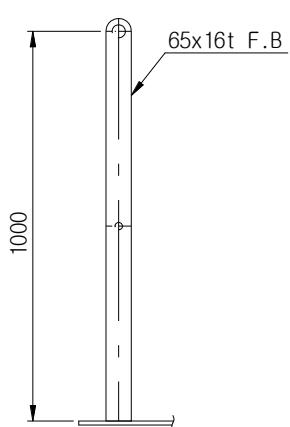
DET. OF HANDRAIL (HR - C91)					SHIP NO.	8140,8198/8199
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY	W.T (KG)	REMARK
1	TOP RAIL	25A PIPE	SPP	1	5.5	
2	MID RAIL	Ø 19 R.B	SS400 or SS275	1	5.0	
3	STANCHION	65x12t F.B	SS400 or SS275	2	16.7	

WEIGHT : 27.2kg/SET
- 1SET/SHIP



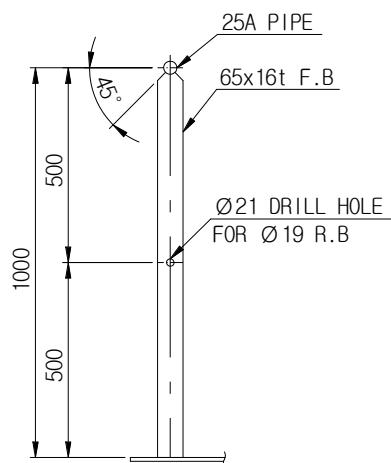
A-TYPE

8.5 KG/EA



B-TYPE

8.2 KG/EA



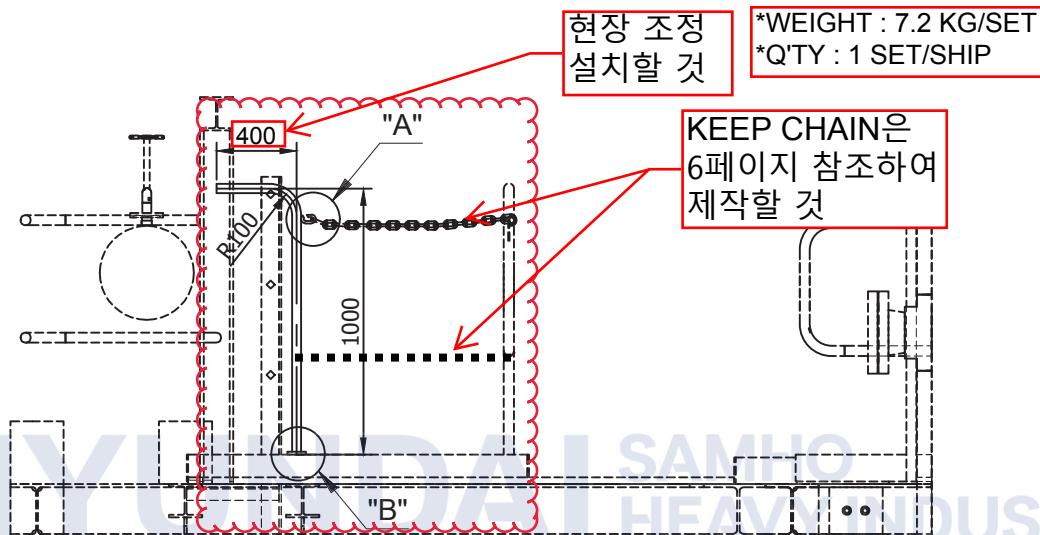
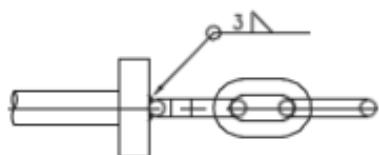
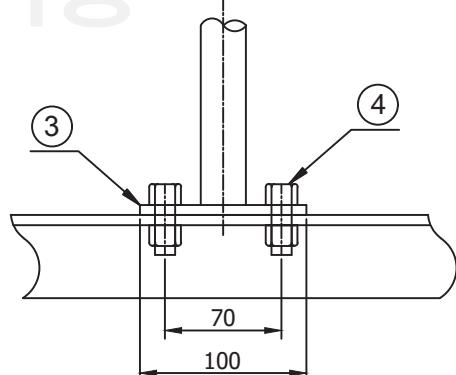
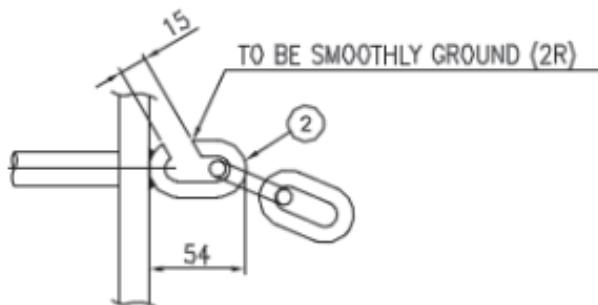
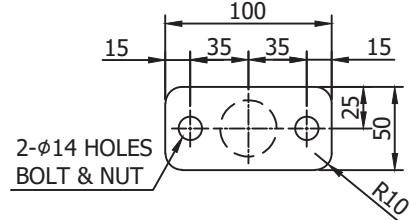
Ship No: 8140,8198/8199



DET. OF Handrail (HR-C92)

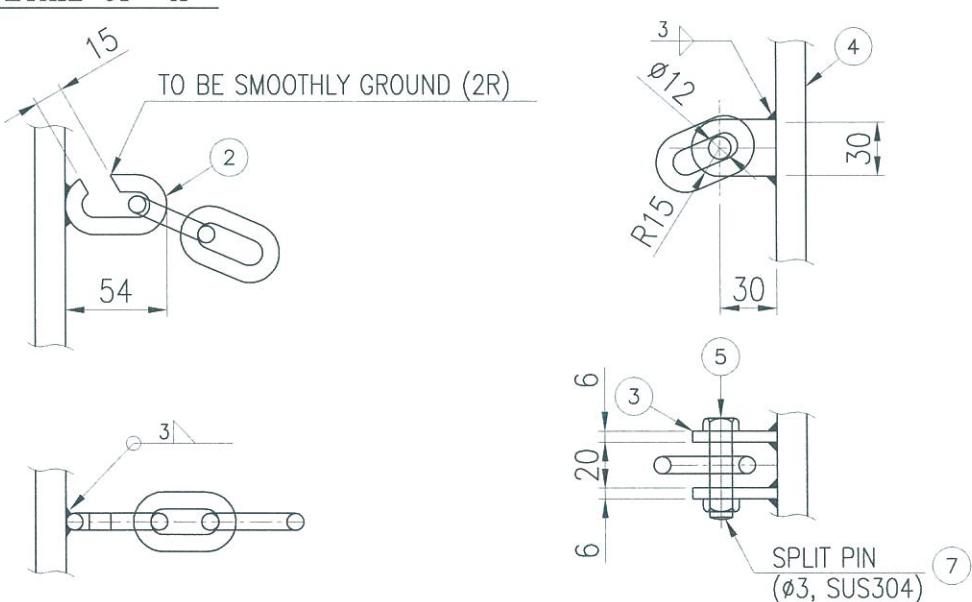
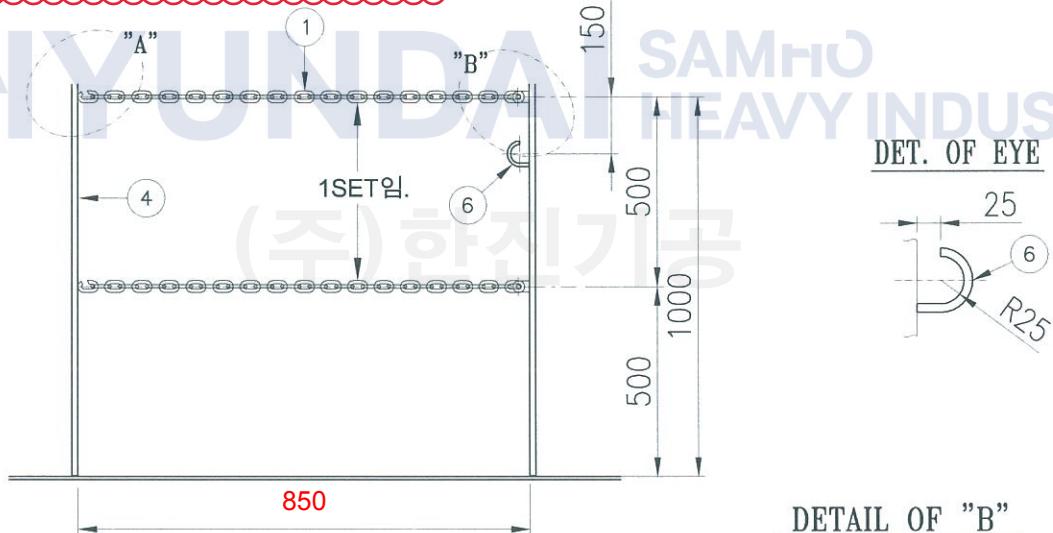
DATE

No.	Description	Spec.	Material	Q'ty	Weight	Remark
1	Top rail	25A PIPE	S.P.P	1	3.17 kg	
2	Loop	Ø9 R.B	SS400 or SS275	1	0.10 kg	
3	Seat	100 X 50 X 6t	SS400 or SS275	1	0.93 kg	
4	Hex bolt & nut	M12 X 30L	SS400 or SS275	4		HOT DIP GAL'V

(주)한진기공 Det. of "B"DETAIL OF "A"Det. of seat

DET. OF KEEP CHAIN					SHIP NO.	3315/16, 3341/42	
					DWG NO.		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY	W.T (KG)		REMARK
1	LONG LINK CHAIN	$\phi 9$ R.B	SS400 OR SS275			1.6/m	HOT DIP GAL'V
2	LOOP	$\phi 9$ R.B	SS400 OR SS275				HOT DIP GAL'V
3	HANGER	6t PLATE	SS400 OR SS275				HOT DIP GAL'V
4	END STANCHION	65x16t F.B	SS400 OR SS275				HOT DIP GAL'V
5	HEX. BOLT & NUT	M10x50L	SS400 OR SS275				HOT DIP GAL'V
6	EYE	$\phi 9$ R.B	SS400 OR SS275				HOT DIP GAL'V
7	SPLIT PIN	$\phi 3$ X 20L	SUS304				

LOOP는 분실되지 않도록 잘 고박하여 입고할 것.



Ship No: 8140,8198/8199

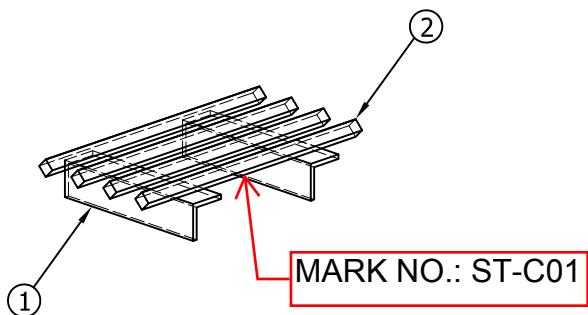
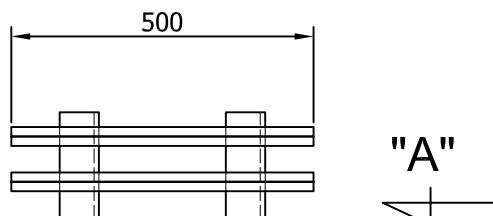
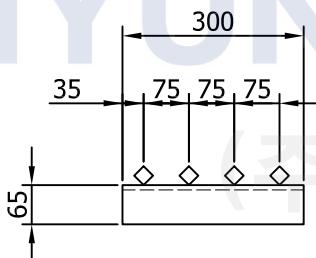
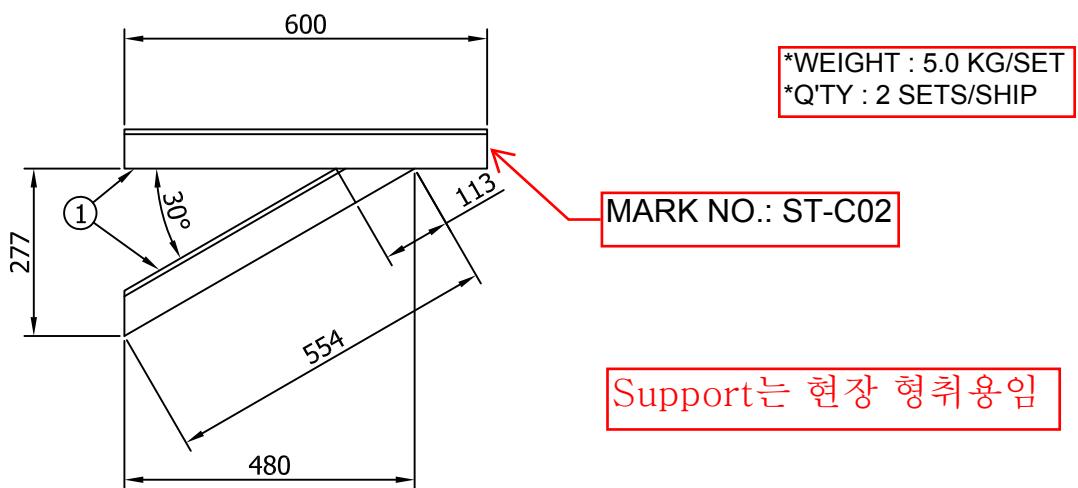


DET. OF STEP (ST-C01,C02)

DATE

No.	Description	Spec.	Material	Q' ty	Weight	Remark
1	Support	65x65x8t E.A	SS400 or SS275	4	11.87 kg	
2	Step	22 S.B	SS400 or SS275	4	7.56 kg	

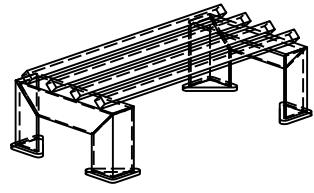
*WEIGHT : 5.0 KG/SET
 *Q'TY : 2 SETS/SHIP

ISO-VIEWPLAN VIEWVIEW "A"DETAIL of SUPPORT

SUPPORT PIECE D.W.G

PAGE :

NB:

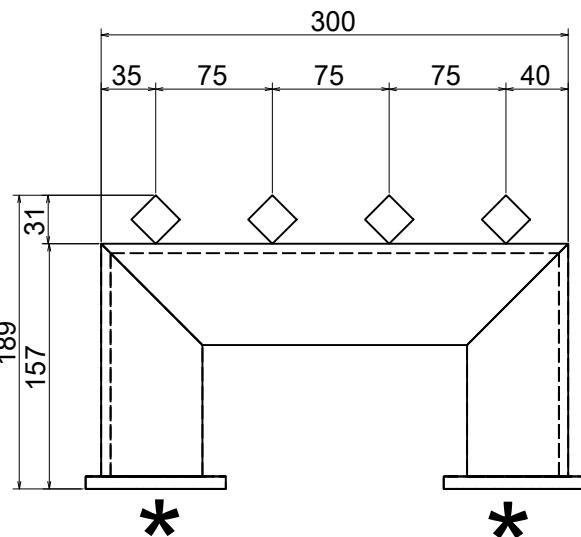


* WEIGHT : 18.1KG
* Q'TY : 1 SET/SHIP

The technical drawing shows a cross-sectional view of a structural component. The total width is indicated as 600. On the left side, there is a vertical dimension of 189, with a horizontal line extending from the top of the 189 dimension to the right edge of the drawing. From this top horizontal line, another vertical dimension of 31 is shown, indicating the height of a specific feature or gap. At the bottom of the drawing, there are two asterisks (*). A large watermark for 'HYUNDAI SAMHO HEAVY INDUSTRIES' is overlaid across the center of the drawing.

* MARK NO.: ST-P1

VIEW - "A"



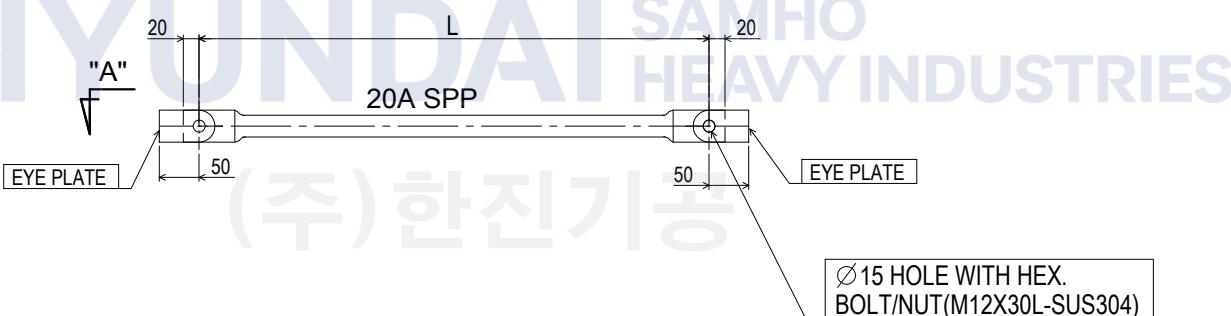


SHIP NO. 8140,8198/99
DWG NO. G21U-J417B

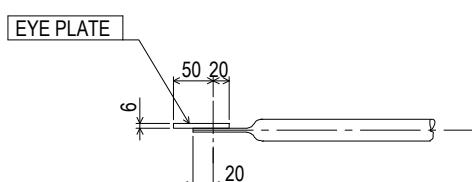
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09

MARK NO.	LENGTH (mm)	Q'TY /SHIP	WEIGHT (KG/SET)	REMARK
VIB-300	300	10	0.7	
VIB-500	500	10	1.1	
VIB-1000	1000	10	1.8	
VIB-1200	1200	10	2.2	

DET. OF ANTI-VIB. STOPPER



VIEW "A"



DET. OF EYE PLATE

