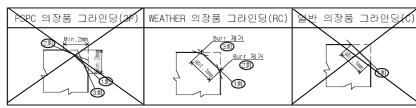
		PLAN HISTORY			
DATE	REV. NO.	DESCRIPTION	DRAWN	CHECKED	APPROVED
2023. 02. 08	0	8158 - 8163호선 LADDER & P/F (COFFERDAM) 제작도면으로 작성함.	조 성 일	전 성 제	이 석 동
2023. 02. 09	001	1. 중량 수정 및 제작도면상 도금 문구 삭제. (01, 03, 04, 06, 07)	조 성 일	전 성 제	이 석 동
		UNDA SAMFIC	, INDL	ICTD	IEG
			INDC	JJIK	ILO
		(조)하지기고			
		T/LL/10			

	PAINTING	SPEC.	특기사항		PAINT SUPPLIER		-
<u>특이사항</u>							
	ITEM	IN.	N SIDE & OUT SIDE		IN SIDE	OUT SIDE	
	ALL	FINAL	SHOP PRIMER	PRIMER	_		

NOTE

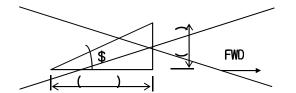
- 1. 본도는 LADDER & P/F (COFFERDAM) 제작 도면임.
- 2. 모서리 부분은 하기와 같이 GRINDING 할 것.

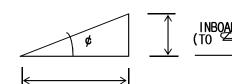


- 3. 용접은 특기외 하기 표 참조하고 연속 용접 할 것.
- * THE LEG LENGTH OF FILLET WELD TO BE AS FOLLOWS.

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 (¢: /)를 필히 적용할 것. SHEER: CAMBER: 도면 참조





- 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 니쁠 : JIS B 1575 A-PT 1/8" BALL TYPE 러버캡을 씌울것(MAT'L : BSBM)
- 10. P.O.R NO. : JAI

11. TOTAL WEIGHT: 902.7 KG/SHIP

(표지 포함 10 매)

DEP'T. B126	SHIP NO. 8158 - 8163	7,900 TEU CLASS CONTAINER SHIP TYPE CARRIER
TEL.	부서명	도 면 명
2882	선 장 설 계 부	
		MFG. OF
승 인	이 석 동	LADDER & P/F (COFFERDAM)
검 도	전 성 제	
작 성	조 성 일	
HYUNDAI SAMHO HEAVY INDUSTRIES		도면 번호 L11PJ-441B - 001
		날 짜 2023. 02. 08

製作仕樣書(외주구매용)

제작품별 납기 LIST

SHIP NO. 8158 - 8163

DWG NO. L11PJ-441B

01

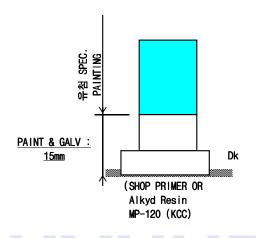
1. GALV. 두께 : HOT DIP GALV. 55~80μ(단, BOLT/NUT류는 45~65μ 시공)

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.



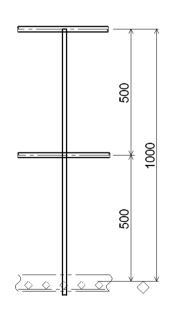
- 6. GALV.용 HOLE 시공할 경우는 GALV.후 메공하고 GALV. 손상부위 수정 후 입고할 것.
- 7. 납품 시 P.O.R SHEET와 유첨도를 첨부할 것.
- 8. MAKER CERTIFICATE (특수재료는 MILL SHEET) 를 첨부할 것.
- 9. 무도장으로 입고되는 품목으로서 그 품목의 일부분이 도금이 되어있는 경우는 SHOT BLASTING으로부터 도금부분이 훼손되지 않도록 보호 MASKING을 하여 입고할 것. (단, 도금표면에 다시 PAINTING하는 경우는 제외됨)
- 10. 의장품 자재 PALLET 고박용 번선 및 고박 ITEM에 대한 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.

P.O.R	SEQ			MARK		PAINI	Q'TY	WEIGHT	^
NO	NO	BLOCK	STAGE	NO	DESCRIPTION	CODE (OUT/IN	/CLID	(KG/SET)	₀₀₁ 기부서
JAI	01	L11P0	CS	PF-L01P	PLATFORM	P1	1	86.5	LB2
	02	L11S0	CS	PF-L01S	PLATFORM	P1	1	86.5	LB2
	03	L11P0	CS	VL-L01P	VERTICAL LADDER	P1	1	32.7	LB2
	04	L11P0	CS	VL-L02P	VERTICAL LADDER	P1	1	67.2	HP1
	05	L11P0	CS	VL-L03P	VERTICAL LADDER	P1	1	44.4	LB3
	06	L11S0	CS	VL-L01S	VERTICAL LADDER	P1	1	32.7	LB2
	07	L11S0	CS	VL-L02S	VERTICAL LADDER	P1	1	67.2	HP1
	80	L11S0	CS	VL-L03S	VERTICAL LADDER	P1	1	44.4	LB3
	09	T23C0	CS	PF-T01	PLATFORM	P1	1	89.5	TB1
	10	T23C0	CS	PF-T02	PLATFORM	P1	2	87.9	TB1
	11	T24C0	CS	PF-T03	PLATFORM	P1	2	87.9	TB2
							_/\		
•							001	7	
			1			SAN	AHC		
S						LIE	WV	HOLK	et Die
							AV I	INDU	DIKIE
					/ \				
					(조)하지 7				
•					/ /				
-									

	DETAIL OF	STANCHION	
TYPE - M	TYPE - E	TYPE - EH	
STANCHION 65 X 9t F.B TOP RAIL 20A S.P.P 45° 45° TOP RAIL 20A S.P.P	STANCHION 65 X 9t F.B	R20 (TYP.) 65 X 9t F.B	750

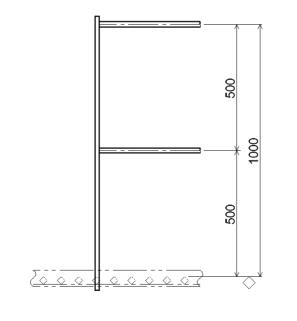
539





(END STANCHION에 적용)

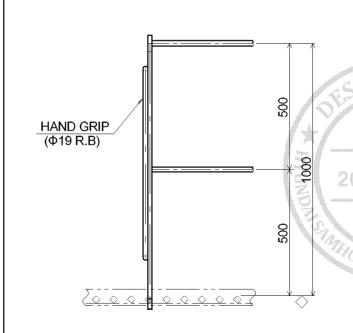
C45/



HANDGRIP: Φ19 R.BAR

(END STANCHION에 적용)

HAND GRIP (Φ19 R.B)



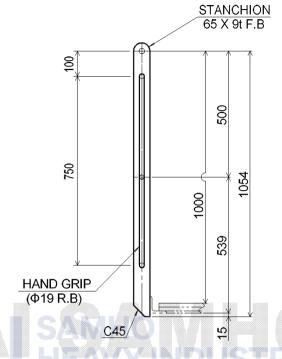
TYPE - EV

SHIP NO.

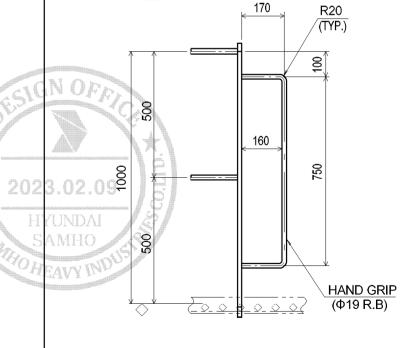
DWG NO.

8158 - 8163

L11CJ-441B



(END STANCHION에 적용)



TOP RAIL : 20A S.P.P

MID RAIL: Φ16 R.BAR

A S.P.P STANCHION: 65 X 9t F.B

TOP RAIL : 20A S.P.P MID RAIL : Φ16 R.BAR STANCHION: 65 X 9t F.B

HANDGRIP : Φ19 R.BAR

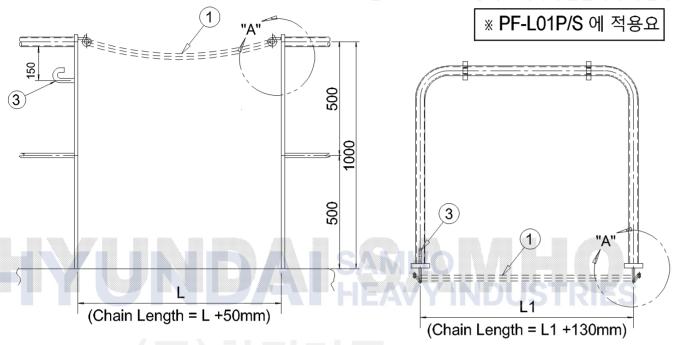
O8158-L11PJ441B-02

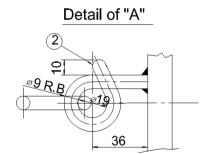


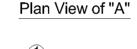
Keep Chain (Pig tail type)

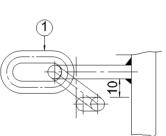
No.	Description	Spec.	Material	Q'ty/set	Weight(Kg)	Remarks	
1	Long link chain	Ø 9 R.B	SS400 or SS275		1.6/m	^t Hot dip gal'v	<u>}/</u>
2	Pig tail	Ø 9 R.B	SS400 or SS275		1.0/111	Hot dip gal'v	}
3	Eye	Ø 9 R.B	SS400 or SS275	1	}	Hot dip gal'v	}

* KEEP CHAIN과 PIG TAIL을 CABLE TIE로 고박하고 KEEP CHAIN을 STANCHION등에 고박하여 분실에 주의 할 것

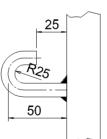












Q'ty of Chain Row

- 1. Three(3) or two(2) Rails (Same rows in way of Handrail): Safe access to tanker bows, on Exposed deck (Platform, Life boat/Raft area, Embarkation rope ladder area, Acc./Pilot slant ladder area, Mast, Post etc.)
- 2. One(1) Rail (Top rail only): Indoor part (Engine room, Pump room, Compressor/Motor room and Miscellaneous compartment, Store, Locker, Escape trunk, etc.)
- 3. No applicable area: Water ballast tank, Oil tank, Cofferdam, Void

Safety Cage & Hoop (Sq-type)

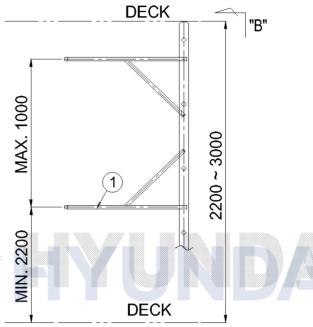
SHIP NO.	8158 - 8163	03/
DWG NO.	L11CJ-441B	

NO	Description	Spec	Material	Q'ty	Weight(kg)	Remark
1	Ноор	Ø19 R.B	SS400 or SS275	-	6.14 kg/set	
2	Vertical Bar	Ø19 R.B	SS400 or SS275	3-Line	12.28 kg/m	

* VL-02P/S, 03P/S 에 적용요

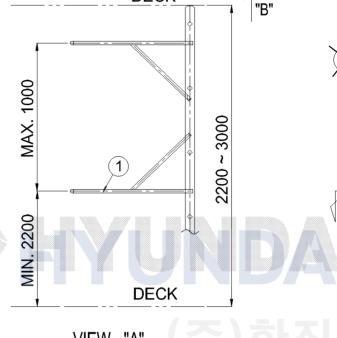
DECK

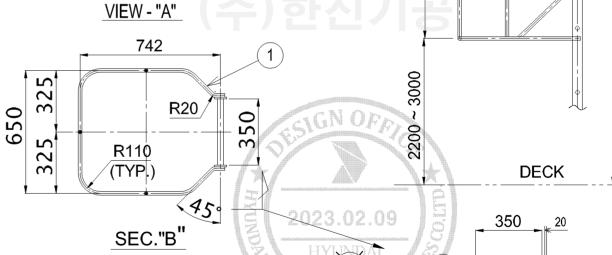
~ 6000



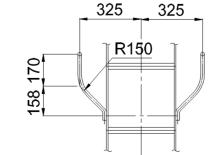
Safety Hoop







1000



350 742

Application

Weather deck and indoor area (except cargo tank, water ballast tank, void, and hull tank)



DET. OF PLATFORM

8158 - 8163 04 SHIP NO. DWG NO. L11CJ-441B

VIEW - "C"

165

785

5

700

(6)

(4)

620

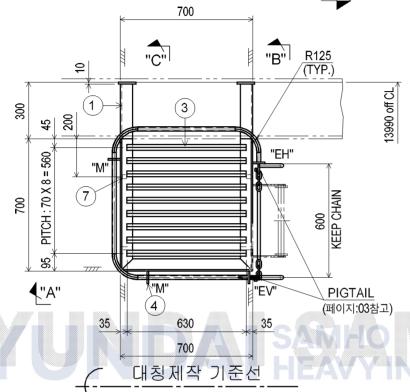
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
L11P0	PF-L01P	1	86.5	본도제작
L11S0	PF-L01S	1	86.5	대칭제작

200

설치 BLOCK

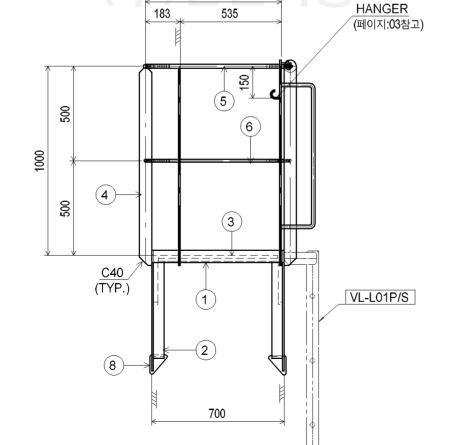
L11P0 L11S0

C20



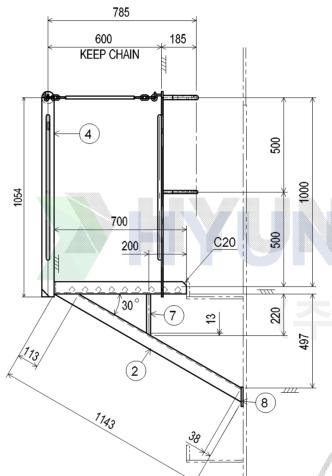
<u>PLAN</u>

FWD.



VIEW - "A"

718



5

4

2

NO

SUPPORT

SIDE FRAME

DESCRIPTION

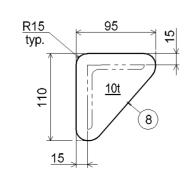
65 X 65 X 8t E.A

65 X 65 X 8t E.A

SIZE

VIEW - "B"





	497 H	113	30°	7	88	\(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\)
	PAD	10t PLATE	SS400 or SS275	2		PAINTED
	SUPPORT	□22 S.Q BAR	SS400 or SS275	2		PAINTED
	MID RAIL	Ø16 R.BAR	SS400 or SS275	1		~~~~~
	TOP RAIL	20A S.P.P	SS400 or SS275	1		HOT DIP GAL'
	STANCHION	65 X 9t F.B	SS400 or SS275	4		<u></u>
_						

SS400 or SS275

SS400 or SS275

MAT'L

2

2

Q'TY/SET

W.T(KG)

PAINTED

PAINTED

REMARK

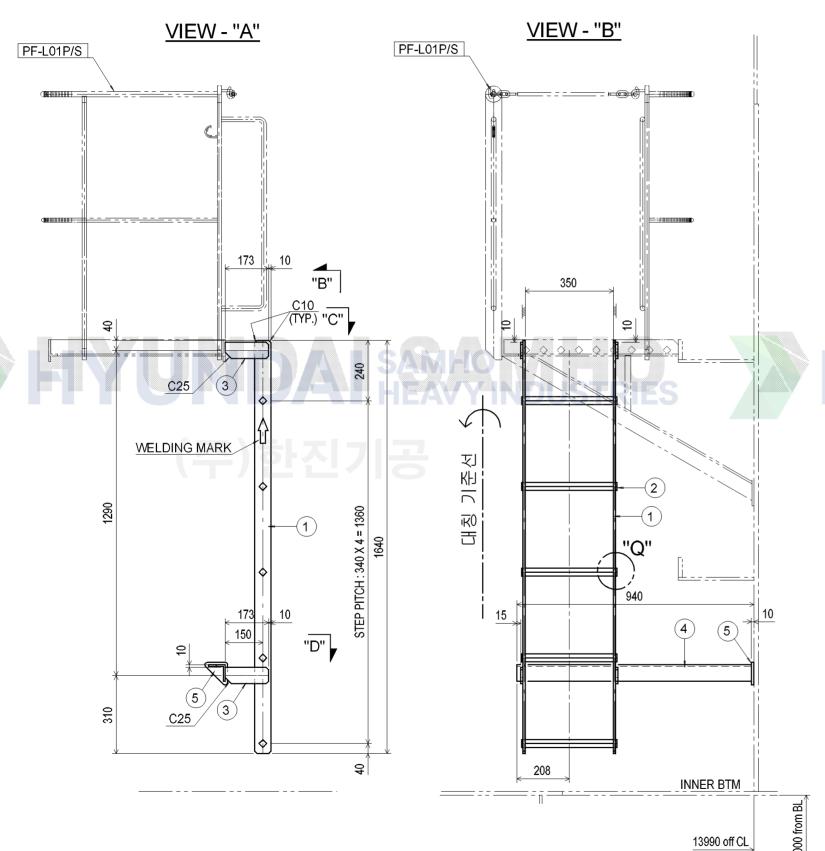


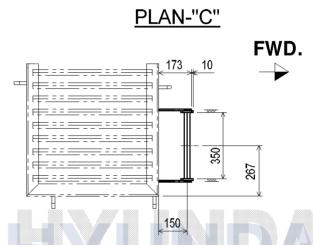
DETAIL OF VERTICAL LADDER

SHIP NO. 8158-8163 05 DWG NO. L11CJ-441B

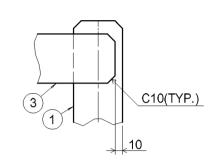
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
L11P0	VL-L01P	1	32.7	본도제작
L11S0	VL-L01S	1	32.7	대칭제작

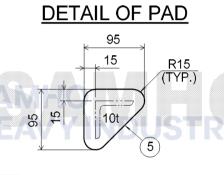
DETAIL OF LUG

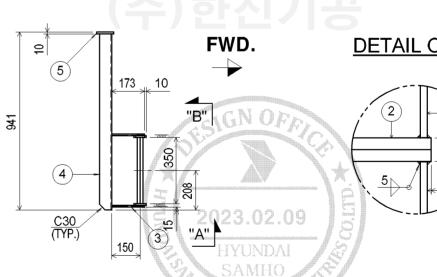




PLAN-"D"







	5	PAD	10t PLATE	SS400 or SS275	1	-	
	4	LUG	65 X 65 X 8t E.A	SS400 or SS275	1	-	
	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	W.T(KG)	REMARK



DET. OF PLATFORM (NO.6 STR)

SHIP NO. 8158-8163

DWG NO. L11CJ-441B

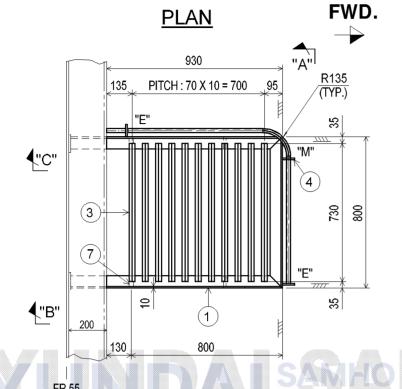
BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK			
T23C0	PF-T01	1	89.5	본도제작			

설치 BLOCK

06

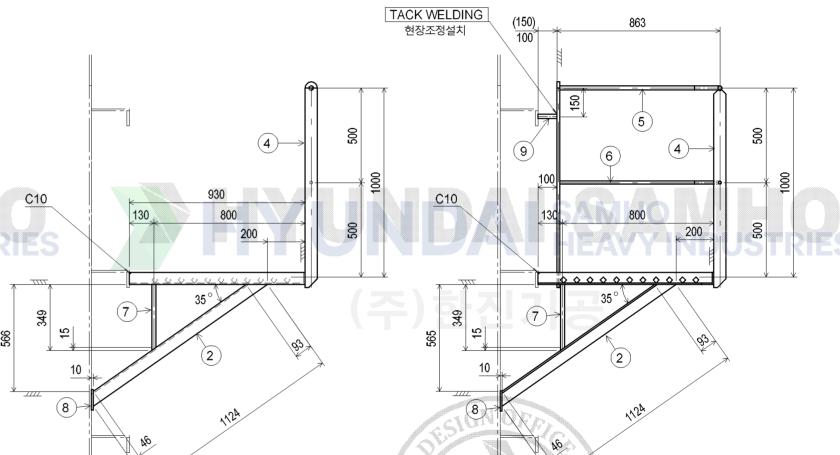
NOTE

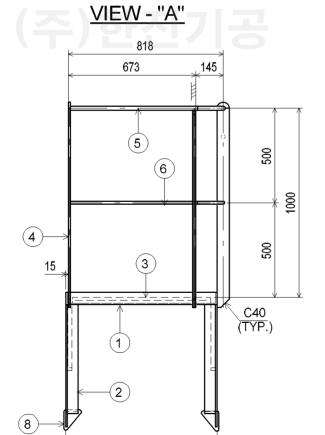
1. ANTI-VIB. PIECE [∅19 R.B]는 () 값으로 제작할 것. 현장조정 설치용임. T23C0(P)



<u>VIEW - "B"</u>

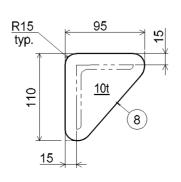
<u>VIEW - "C"</u>





800

DET. "PAD"



_								
	9	ANTI-VIB. PIECE	Ø19 R.B	SS400 or SS275	1		PAINTED	
	8	PAD	10t PLATE	SS400 or SS275	2		PAINTED	
ſ	7	SUPPORT	□22 S.Q BAR	SS400 or SS275	2		PAINTED	
	6	MID RAIL	Ø16 R.BAR	SS400 or SS275	1			
	5	TOP RAIL	20A S.P.P	SS400 or SS275	1	{	PAINTED	
	4	STANCHION	65 X 9t F.B	SS400 or SS275	3		001	
	3	STEP	□22 S.Q BAR	SS400 or SS275	11		PAINTED	
	2	SUPPORT	65 X 65 X 8t E.A	SS400 or SS275	2		PAINTED	
	1	SIDE FRAME	65 X 65 X 8t E.A	SS400 or SS275	2		PAINTED	
	NO	DESCRIPTION	SIZE	MAT'L	Q'TY/SET	W.T(KG)	REMARK	



DET. OF PLATFORM (NO.36 & NO.42 LONGI.)

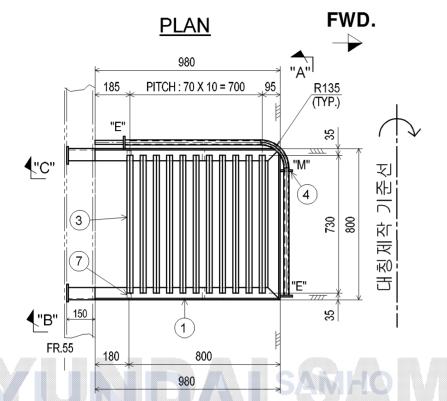
SHIP NO.	8158 - 8163	07
DWG NO.	L11CJ-441B	

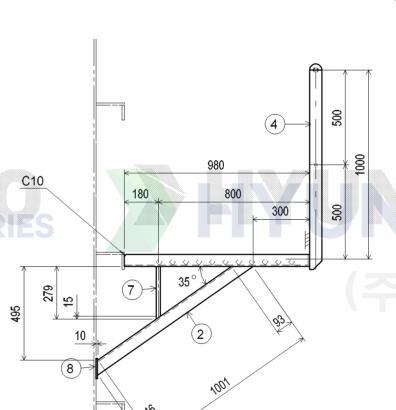
설치 BLOCK

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK
T23C0	PF-T02	2	87.9	본도제작
T24C0	PF-T03	2	87.9	대칭제작

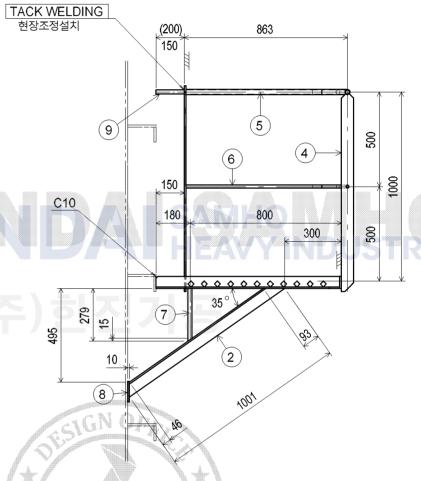
NOTE

1. ANTI-VIB. PIECE [Ø19 R.B]는 () 값으로 제작할 것. 현장조정 설치용임. T23C0(P) T24C0(P)

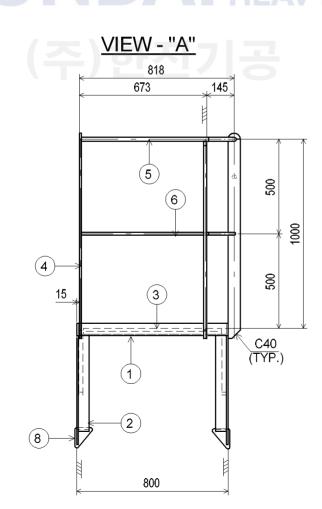


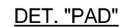


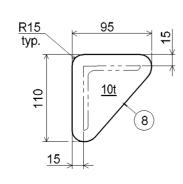
VIEW - "B"



VIEW - "C"







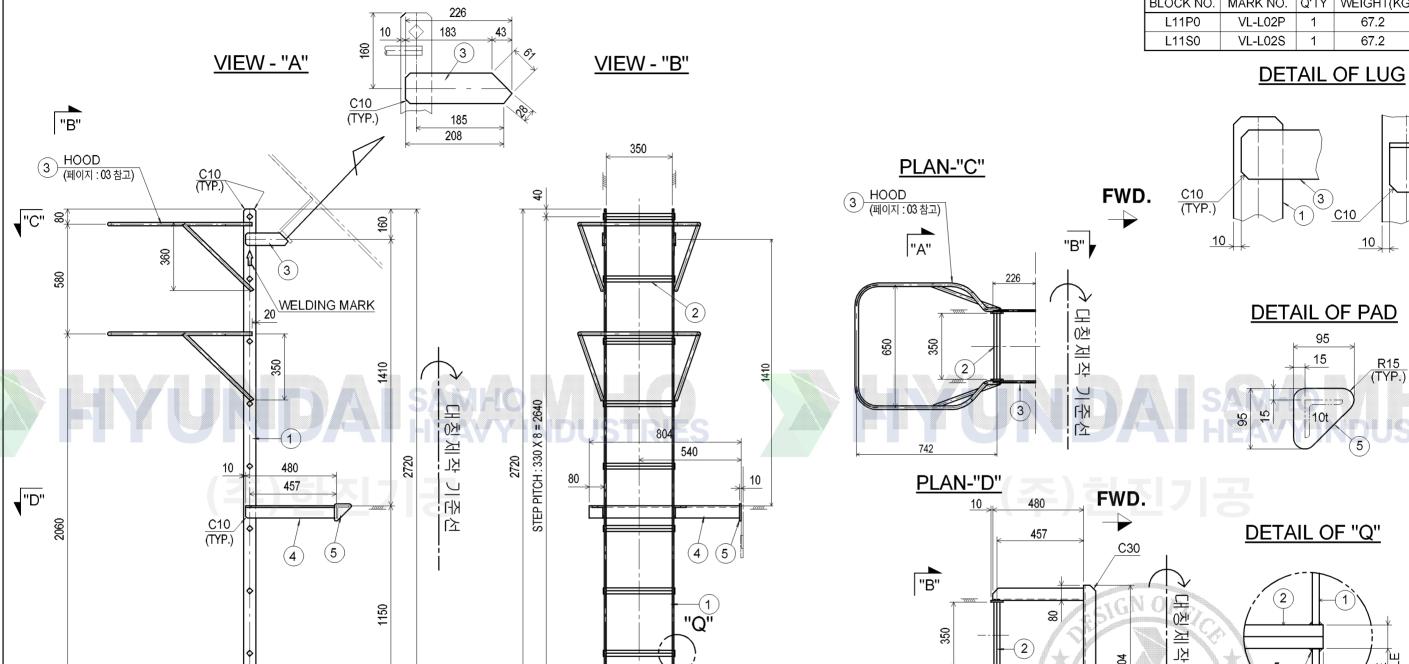
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	9	ANTI-VIB. PIECE	Ø19 R.B	SS400 or SS275	1		PAINTED	
	8	PAD	10t PLATE	SS400 or SS275	2		PAINTED	
	7	SUPPORT	□22 S.Q BAR	SS400 or SS275	2		PAINTED	
	6	MID RAIL	Ø16 R.BAR	SS400 or SS275	1			
	5	TOP RAIL	20A S.P.P	SS400 or SS275	1	()	HOT DIP GAL'V PAINTED	
	4	STANCHION	65 X 9t F.B	SS400 or SS275	3		001	
	3	STEP	□22 S.Q BAR	SS400 or SS275	11		PAINTED	
	2	SUPPORT	65 X 65 X 8t E.A	SS400 or SS275	2		PAINTED	
	1	SIDE FRAME	65 X 65 X 8t E.A	SS400 or SS275	2		PAINTED	
	NO	DESCRIPTION	SIZE	MAT'L	Q'TY/SET	W.T(KG)	REMARK	



DETAIL OF VERTICAL LADDER

SHIP NO. 8158-8163 80 DWG NO. L11CJ-441B

BLOCK NO.	MARK NO.	Q'TY	WEIGHT(KG)	REMARK	
L11P0	VL-L02P	1	67.2	본도제작	
L11S0	VL-L02S	1	67.2	대칭제작	



6	HOOP	Ø 19 R.B. AVY	SS400 or SS275	2	-	페이지 : 03 참	
5	PAD	10t PLATE	SS400 or SS275	1	-		
4	LUG	65 X 65 X 8t E.A	SS400 or SS275	3	-		
3	LUG	65 X 9t F.B	SS400 or SS275	2	-		
2	STEP	22 SQ.BAR	SS400 or SS275	9	-		
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	-		
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T(KG)	REMARK	

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"A" C30 (TYP.)

INNER BTM.

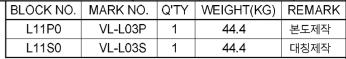


DETAIL OF VERTICAL LADDER

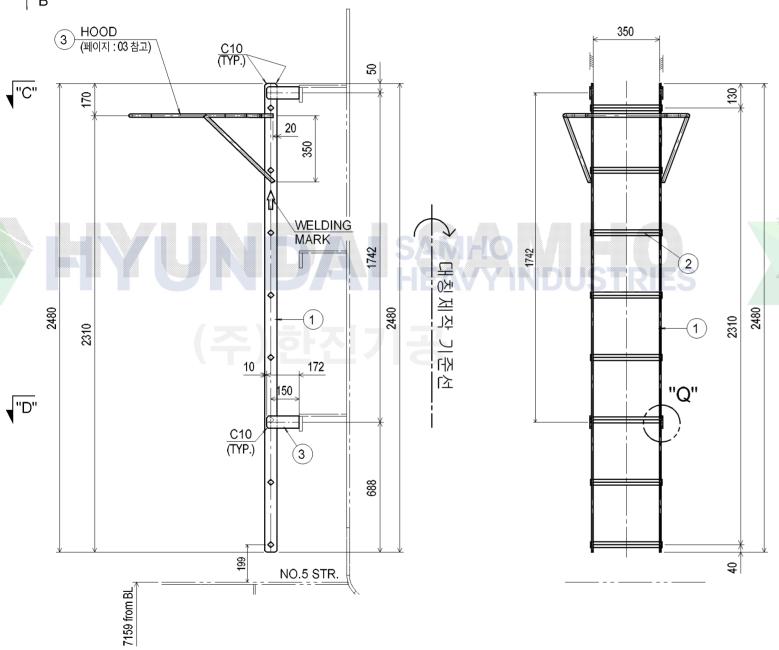
SHIP NO. 8158-8163

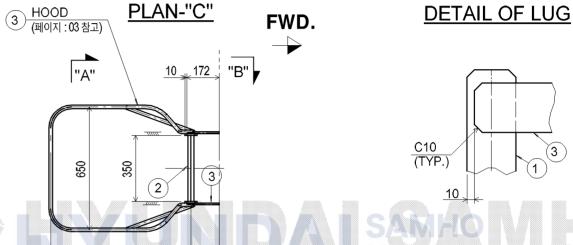
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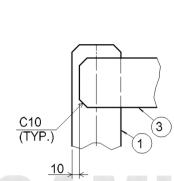
L11CJ-441B DWG NO. MARK NO. Q'TY WEIGHT(KG) REMARK

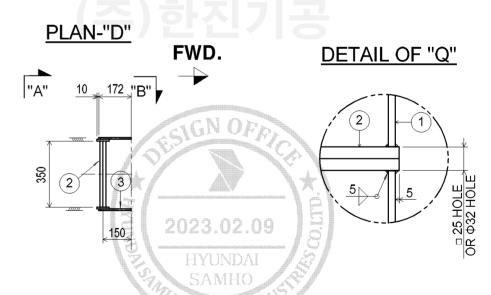












6	HOOP	Ø 19 R.B. AVY	SS400 or SS275	2	-	페이지 : 03 참고
-5	PAD	101 PLATE	SS400 or SS275		-	
4	LUG	65 X 65 X 8t E.∧	SS400 or SS275	3	-	
3	LUG	65 X 9t F.B	SS400 or SS275	4	-	
2	STEP	22 SQ.BAR	SS400 or SS275	8	-	
1	SIDE FRAME	65 X 9t F.B	SS400 or SS275	2	-	
NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T(KG)	REMARK