

## NOTE

공  
통  
사  
항


1. 본도는 좌현을 표기하며 특기 외에는 양현 대칭임.
2. 모서리 부분은 Smooth Grinding 할 것. (RC)
3. 도장 보류 및 Protection 사항 : 자재의 끝단(PAD 포함)에서 15mm 이내
4. 자재의 상(↑) 표시는 필히 Welding Bead로 할 것.
5. 자재 입고시 용접선 부근 50mm 이내에 Paint Marker로 Marking(Ship No, POR No, Block No, 및 Mark No.) 할 것.
6. 납품 시 자재 인식표(TAG)는 부착하여 입고할 것.  
MARKING 방법 : SHIP NO., BLOCK NO., POR NO., SEQ. NO., MARK NO.
7. 자재는 필히 LOT No. 단위로 묶음하여 입고할 것.  
→ 녹발청, 도장오염 방지 위해 코팅 Wire 사용
8. 특기외 SU=160(10)mm, U=110mm이며, SB=80(10)mm, B=30mm임.


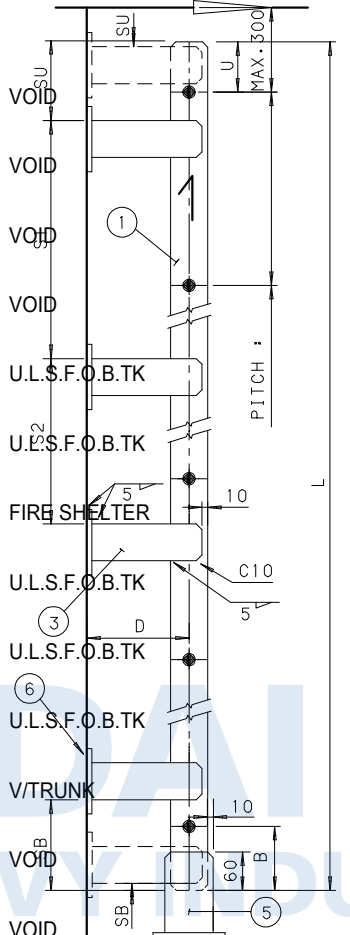
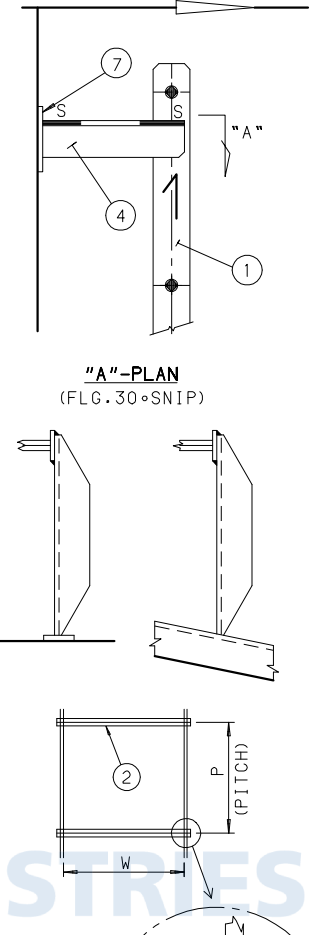
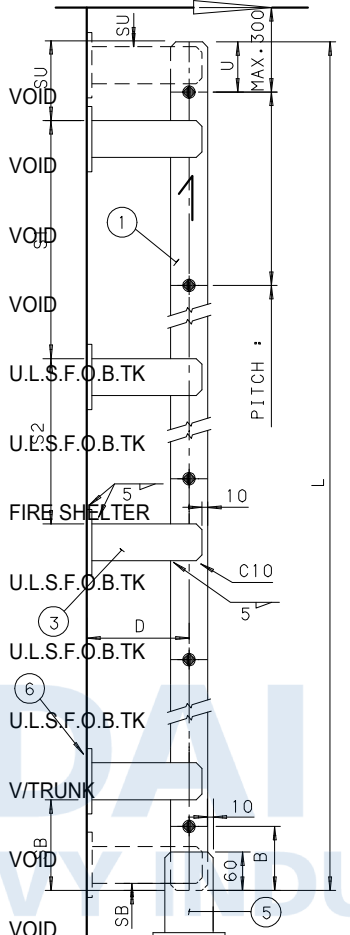
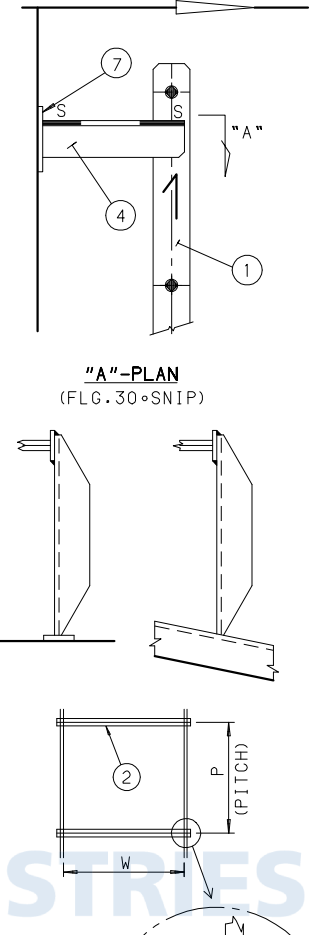
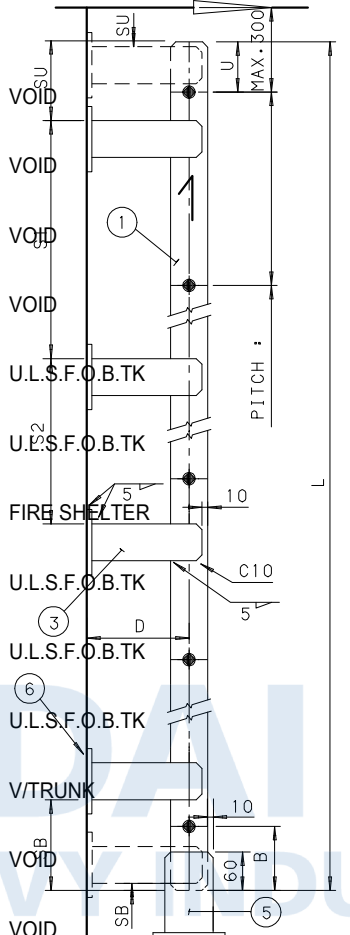
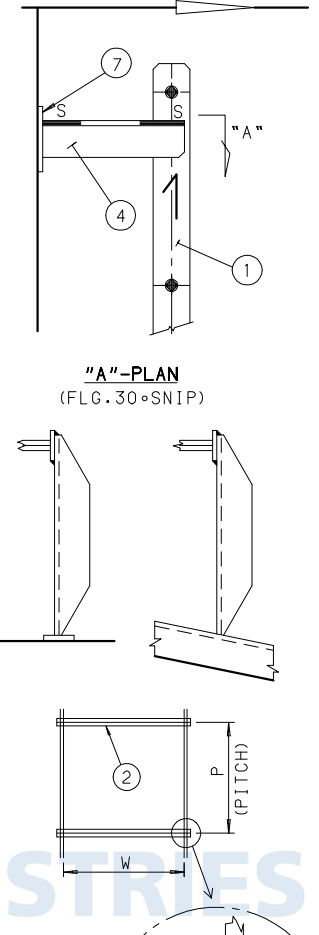
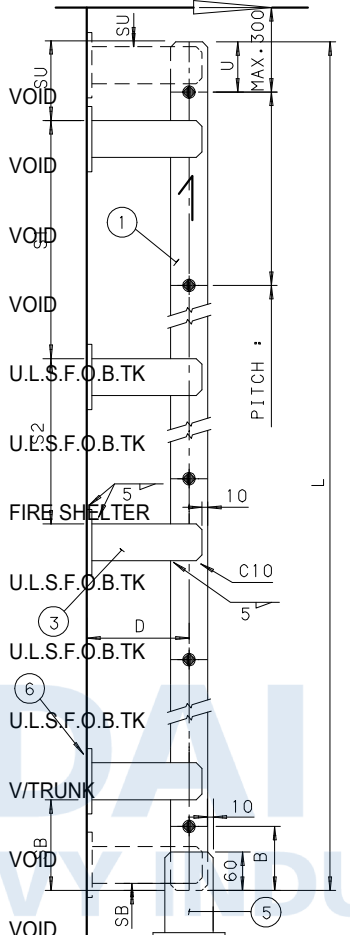
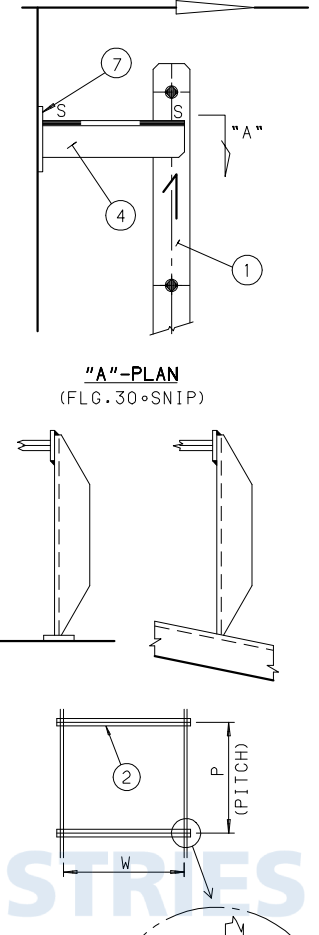
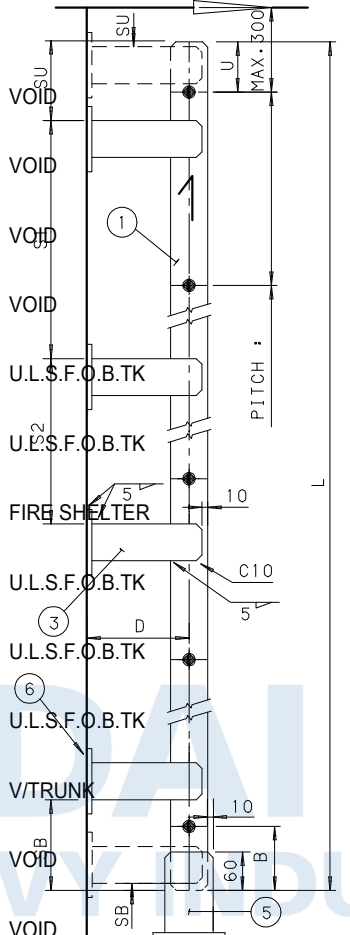
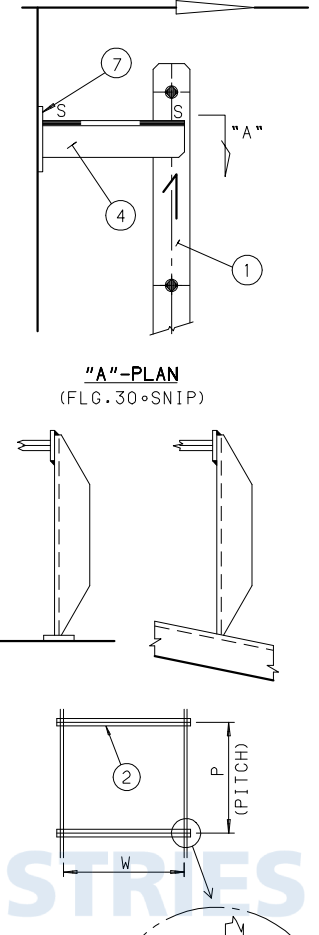
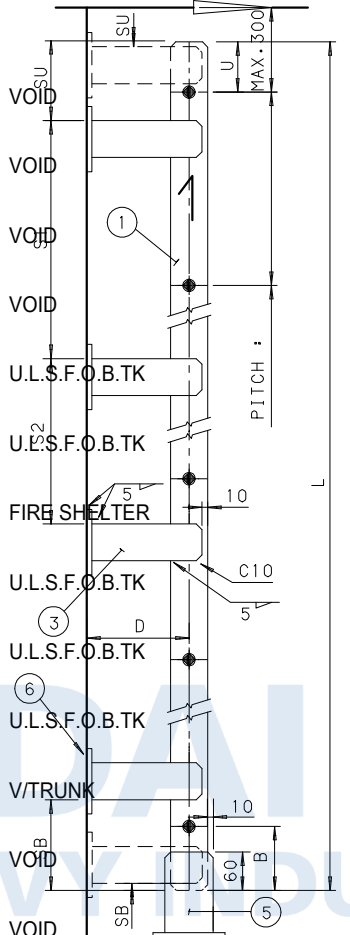
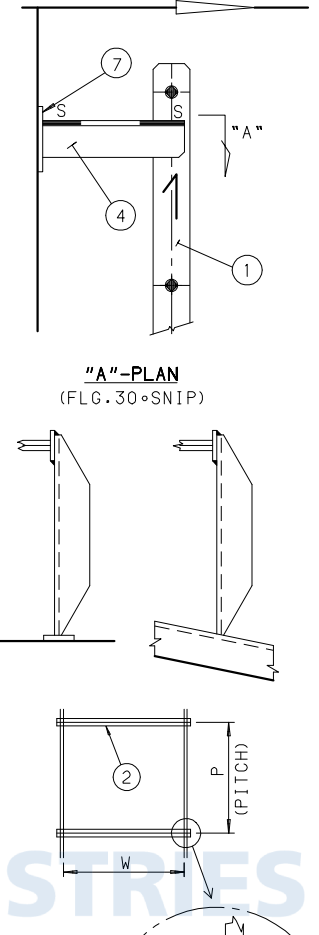
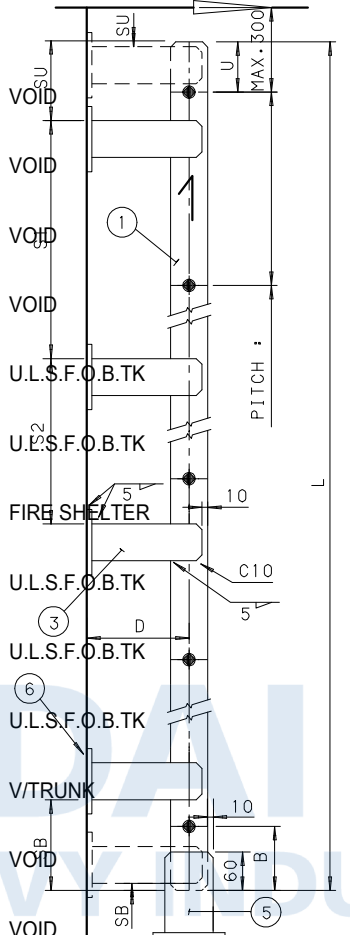
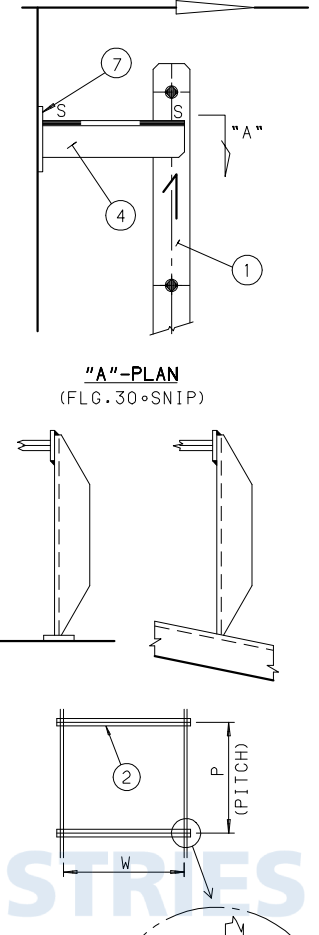
특이  
사항

## PLAN HISTORY

REV NO	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22. 06. 29	Vertical Ladder 제작용으로 작성	김성경	이천하	결재完
001	22. 07. 05	Detail 누락으로 추가	김성경	이천하	결재完
002	22. 07. 05	LEG 수량 입력오류로 수정	김성경	이천하	결재完
003	22. 07. 07	구조변경으로 치수 수정	김성경	이천하	결재完
004	22. 08. 23	LEG 위치 촛법 누락으로 추가	김성경	이천하	결재完

(표지 포함 5 매)

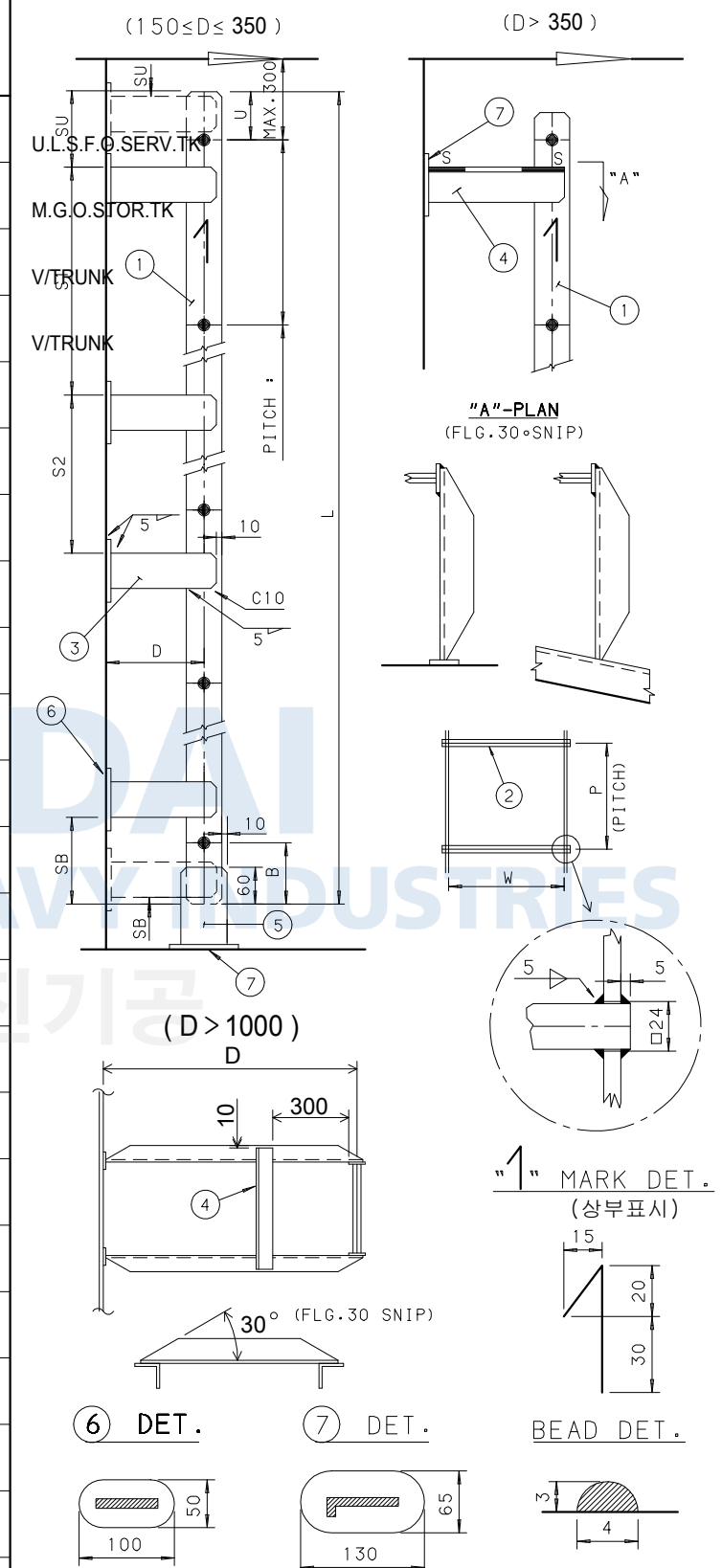
DEP'T NO. B111000	SHIP NO. 8020/21	SHIP TYPE 157,000 DWT CLASS CRUDE OIL CARRIER	
TEL. NO. 4787	부 서 명 구 조 설 계 부	도 면 명	
승 인	책임 김 성 주	Vertical Ladder 제작도	
검 도	책임 이 천 하		
작 성	대리 김 성 경		
 Hyundai Samho Heavy Industries Co., Ltd. Samho Shipyard, Korea		도 면 번 호 E51P5115H	POR NO.
		DATE 2022. 06. 29	H18

<div></div>		VERTICAL LADDER MFG. LIST														예산대구분	PROJECT NO.		발행부서	작성자 사번		DATE	DWG. NO	PAGE										
																6016	8020		B111000	W126191		20220629	E51P5115H	1										
																	8021		구조설계부	김성경	T : 4787			4										
NO.	예산 중구분	자재번호 (MATERIAL)	Q'TY	TYPE	PAINT CODE (도장 횟수)			DIMENSION							SQ. B Q'TY	LEG Q'TY				PAD # Q'TY		WEIGHT (Kg/ST)	POR NO		BLK.	MARK NO.	<div><div>(150≤D≤350)</div></div>		<div><div>(D&gt;350)</div></div>					
					EV	ZO	PM	L	D	SU	U	SB	B	S1		S2	③	④	⑤	⑥	⑦		POR NO	SEQ.										
01	042	416412100	1	A13	O			제 작 도 면 참 조							10	6						51.4	H18	01	E51P	VLHE51P01	<div><div>(150≤D≤350)</div></div>	<div><div>(D&gt;350)</div></div>						
02	042	416412100	1	A13	O			제 작 도 면 참 조							10	6						51.4	H18	02	E51S	VLHE51S01								
03	042	416412100	1	A13	O			제 작 도 면 참 조							12	6						60.9	H18	03	E51P	VLHE51P02								
04	042	416412100	1	A13	O			제 작 도 면 참 조							12	6						60.9	H18	04	E51S	VLHE51S02								
05	042	416412100	1	A13		O		2780	180	160	110	80	30			9	4			4		43.4	H18	05	E51P	VLHE51P03	<div><div>(150≤D≤350)</div></div>	<div><div>(D&gt;350)</div></div>						
06	042	416412100	1	A13		O		4430	180	160	110	80	30	2050		14	6			6		68.2	H18	06	E51P	VLHE51P04								
07	042	416412100	1	A13			O	1010	150	160	110	290	240			3	4			4		18.0	H18	07	E51P	VLHE51P05								
08	042	416412100	1	A13			O	4100	150	160	110	80	30	1800		13	6			6		62.9	H18	08	E51P	VLHE51P06								
09	042	416412100	1	A1			O	2520	166	160	110	80	30			8	4			4		39.3	H18	09	E51S	VLHE51S03	<div><div>(150≤D≤350)</div></div>	<div><div>(D&gt;350)</div></div>						
10	042	416412100	1	A1			O	4560	166	160	110	80	30	2100		14	6			6		69.0	H18	10	E51S	VLHE51S04								
11	042	416412100	1	A13	O			320	150	160	110					1	2			2		6.5	H18	11	E51S	VLHE51S05								
12	042	416412100	1	A13	O			제 작 도 면 참 조							9	2	2					50.0	H18	12	E41P	VLHE41P01								
13	042	416412100	1	A13	O			제 작 도 면 참 조							9	2	2					50.0	H18	13	E41S	VLHE41S01	<div><div>(150≤D≤350)</div></div>	<div><div>(D&gt;350)</div></div>						
14	042	416412100	1	A13	O			제 작 도 면 참 조							7	3	1					38.9	H18	14	E41P	VLHE41P02								
15	042	416412100	1	A13	O			제 작 도 면 참 조							7	3	1					38.9	H18	15	E41S	VLHE41S02								
16	042	416412100	1	A1			O	4900	750	160	110	80	30	1500	1600	15		8		8		117.6	H18	16	E41P	VLHE41P03								
17	042	416412100	1	A1			O	4900	750	160	110	80	30	1500	1600	15		8		8		117.6	H18	17	E41S	VLHE41S03	<div><div>(150≤D≤350)</div></div>	<div><div>(D&gt;350)</div></div>						
18	042	416412100	1	A1			O	4900	150	160	110	80	30	2200	004	15	6					71.3	H18	18	E41P	VLHE41P04								
19	042	416412100	1	A1			O	4900	150	160	110	80	30	2200		15	6					71.3	H18	19	E41S	VLHE41S04								
20	042	416412100	1	A1			O	4900	162	160	110	80	30	2200		15	6			6		73.5	H18	20	E41P	VLHE41P05								
21	042	416412100	1	A1			O	4900	162	160	110	80	30	2200		15	6			6		73.5	H18	21	E41S	VLHE41S05	<div><div>(150≤D≤350)</div></div>	<div><div>(D&gt;350)</div></div>						
22	042	416412100	1	A1			O	4900	162	160	110	80	30	2200		15	6			6		73.5	H18	22	E41P	VLHE41P06								
23	042	416412100	1	A1			O	4900	330	160	110	80	30	2200		15	6			6		78.1	H18	23	E41P	VLHE41P07								
24	042	416412100	1	A1			O	4900	330	160	110	80	30	2200		15	6			6		78.1	H18	24	E41P	VLHE41P08								
												MARK NO. MARKING										TYPE		P	W	<div> <div>7</div> <div>6</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div> </div>			<div> <div>※ MARK(No.4)</div> <div>LEG : 350&lt;D≤1300 → 65*65*8 E.A</div> <div>LEG : D&gt;1300 → 75*75*9 E.A</div> </div>	<div> <div>7</div> <div>6</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div> </div>	<div> <div>NO</div> <div>DESCRIPTION</div> <div>SIZE</div> <div>MAT'L</div> <div>Q'TY/ST</div> <div>WEIGHT</div> </div>			
																						A1		340	350									
																						A13		330	350									

8020-VERT-08-R4

## VERTICAL LADDER MFG. LIST

예산대구분	PROJECT NO.		발행부서	작성 자 사번		DATE	DWG.NO	PAGE
6016	8020		B111000	W126191		20220629	E51P5115H	2
	8021		구조설계부	김성경	T : 4787			4

[illegible]

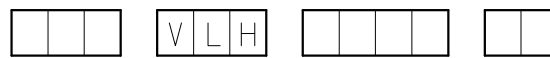
※ MARK(No.4)

LEG :  $350 < D \leq 1300 \rightarrow 65 \times 65 \times 8$  E.A

LEG : D>1300 → 75\*75\*9 E.A

7	PAD	9.0	SS400		Kg/EA
6	PAD	9.0	SS400		Kg/EA
5	LEG	85*9	SS400		Kg/M
4	⌗ LEG	65*65*8/75*75*9	SS400		Kg/M
3	LEG	65*9	SS400		Kg/M
2	STEP	22*22	SS400		Kg/M
1	SIDE FRAME	65*9	SS400	2	Kg/M
NO	DESCRIPTION	SIZE	MAT'L	Q'TY/ST	WEIGHT

MARK NO. MARKING



PROJECT NO.

SERIAL NO. OF BLOCK

BLOCK NO.

TYPE

P

W

A1

340

350

A13

330

350


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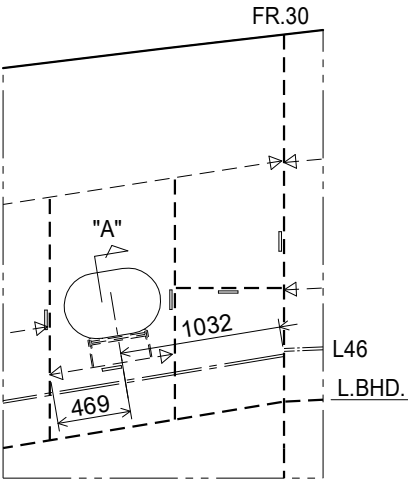
NO	DESCRIPTION	SIZE	MAT'L	Q'TY/ST	WEIGHT
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A3 (420x297)

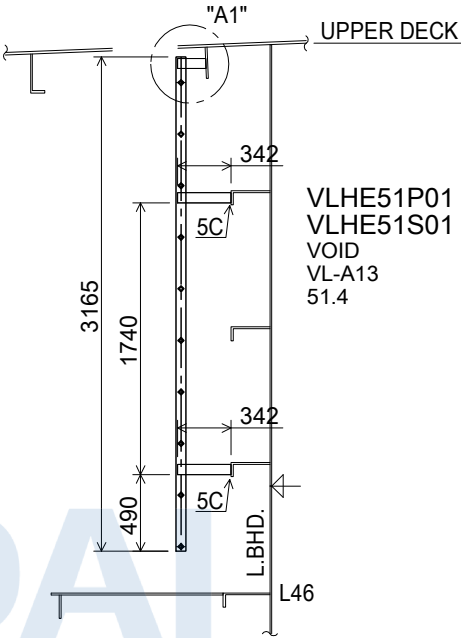


SHIP NO.	8020/8021	3
BLK NO.	E51P5115H	4

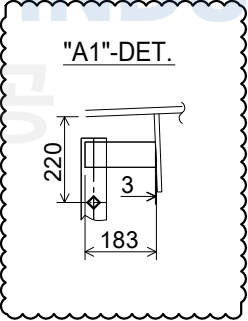
UPPER DECK PLAN  
(P&S)



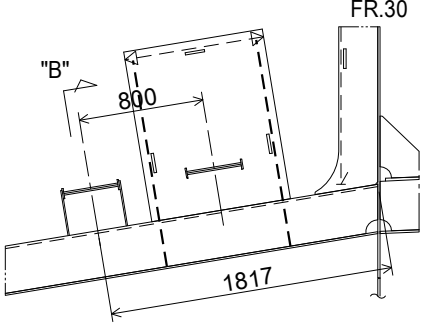
"A"-VIEW



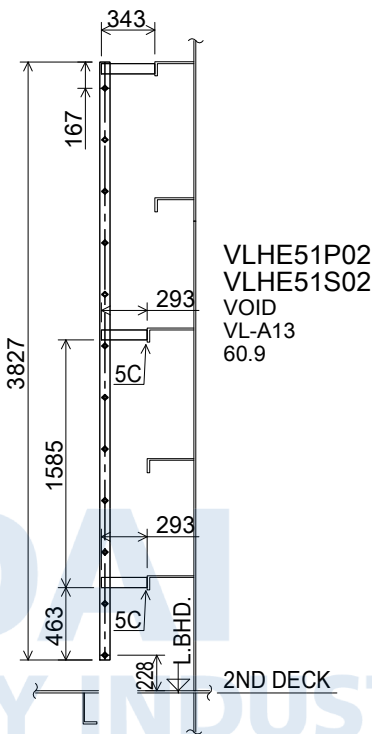
001



NO.46 LONGL PLAN  
(P&S)



"B"-VIEW

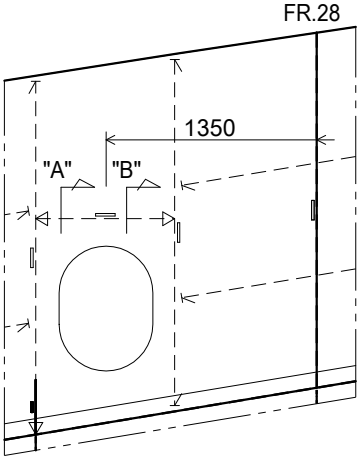


QR  
Code

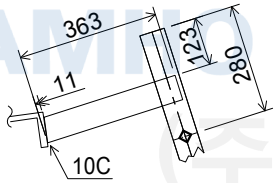


SHIP NO.	8020/8021	4
BLK NO.	E51P5115H	4

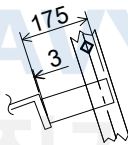
2ND DECK PLAN  
(P&S)



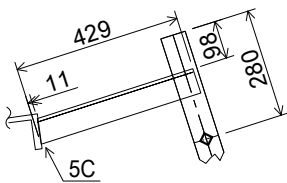
"A1"-DET.



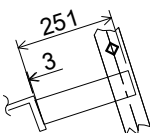
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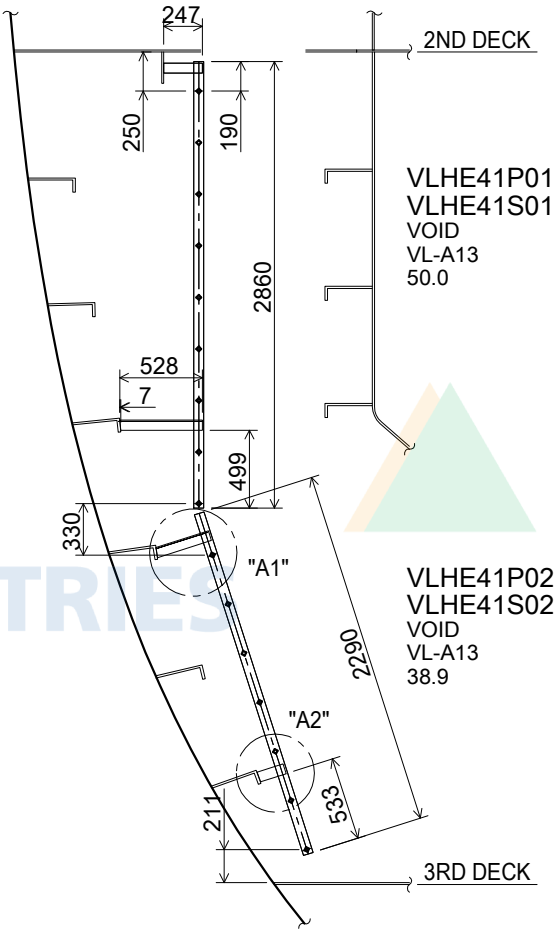
"B1"-DET.



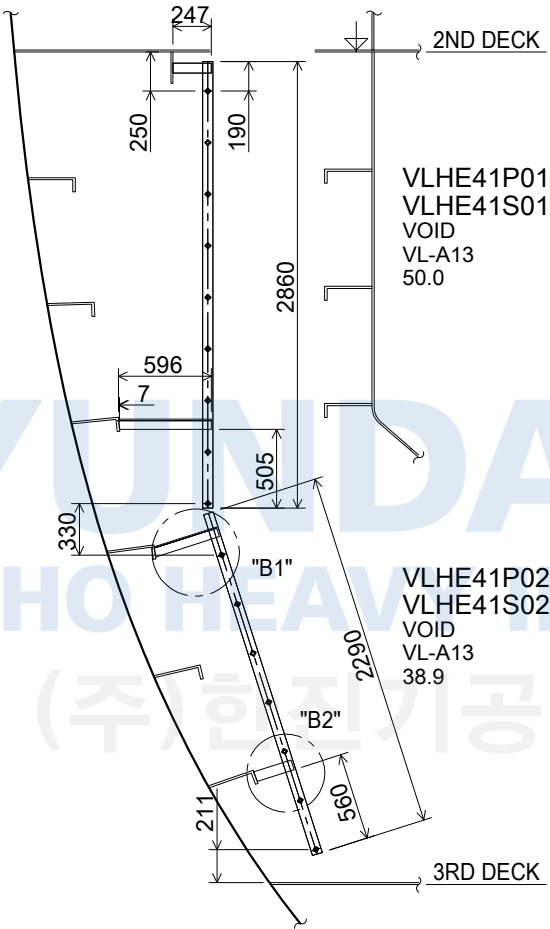
"B2"-DET.



"A"-SEC.



"B"-SEC.



				C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH		
1																																					
2	SEQ	자재번호	Qty	TYPE	PAINT SPEC.				DIMENSION								SQ.B	LEG Qty				PAD Qty				WGT	BLK.	MARKNO	Step Hole	RC	3P	도금	Side Frame에 Hand Rail 용접	Back Band Stanchion 용접	Hand Rail Bending	Anti-Vibration Support	
3									LEN	D	SU	U	SB	B	S1	S2	(2)	(3)	(4)	(5)	(6)	(7)	(8)							PT	KG	KG	KG	PT	PT	EA	EA
4	01	416412100	1	A13	O												10	6							51.40	E51P	VLHE51P01	20	51.40								
5	02	416412100	1	A13	O												10	6							51.40	E51S	VLHE51S01	20	51.40								
6	03	416412100	1	A13	O												12	6							60.90	E51P	VLHE51P02	24	60.90								
7	04	416412100	1	A13	O												12	6							60.90	E51S	VLHE51S02	24	60.90								
8	05	416412100	1	A13		O			2780	180	160	110	80	30			9	4			4				43.40	E51P	VLHE51P03	18	43.40								
9	06	416412100	1	A13		O			4430	180	160	110	80	30	2050		14	6			6				68.20	E51P	VLHE51P04	28	68.20								
10	07	416412100	1	A13			O		1010	150	160	110	290	240			3	4			4				18.00	E51P	VLHE51P05	6	18.00								
11	08	416412100	1	A13		O			4100	150	160	110	80	30	1800		13	6			6				62.90	E51P	VLHE51P06	26	62.90								
12	09	416412100	1	A1		O			2520	166	160	110	80	30			8	4			4				39.30	E51S	VLHE51S03	16	39.30								
13	10	416412100	1	A1		O			4560	166	160	110	80	30	2100		14	6			6				69.00	E51S	VLHE51S04	28	69.00								
14	11	416412100	1	A13	O				320	150	160	110					1	2			2				6.50	E51S	VLHE51S05	2	6.50								
15	12	416412100	1	A13	O												9	2	2						50.00	E41P	VLHE41P01	18	50.00								
16	13	416412100	1	A13	O												9	2	2						50.00	E41S	VLHE41S01	18	50.00								
17	14	416412100	1	A13	O												7	2	2						38.90	E41P	VLHE41P02	14	38.90								
18	15	416412100	1	A13	O												7	2	2						38.90	E41S	VLHE41S02	14	38.90								
19	16	416412100	1	A1		O			4900	750	160	110	80	30	1500	1600	15		8			8			117.60	E41P	VLHE41P03	30	117.60								
20	17	416412100	1	A1		O			4900	750	160	110	80	30	1500		15		8			8			117.60	E41S	VLHE41S03	30	117.60								
21	18	416412100	1	A1	O				4900	150	160	110	80	30	2200		15	6							71.30	E41P	VLHE41P04	30	71.30								
22	19	416412100	1	A1	O				4900	150	160	110	80	30	2200		15	6							71.30	E41S	VLHE41S04	30	71.30								
23	20	416412100	1	A1		O			4900	162	160	110	80	30	2200		15	6			6				73.50	E41P	VLHE41P05	30	73.50								
24	21	416412100	1	A1		O			4900	162	160	110	80	30	2200		15	6			6				73.50	E41S	VLHE41S05	30	73.50								
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26	23	416412100	1	A1		O			4900	330	160	110	80	30	2200		15	6			6				78.10	E41P	VLHE41P07	30	78.10								
27	24	416412100	1	A1		O			4900	330	160	110	80	30	2200		15	6			6				78.10	E41P	VLHE41P08	30	78.10								
28	25	416412100	1	A1		O			4900	165	160	110	80	30	2200		15	6			6				73.50	E41P	VLHE41P09	30	73.50								
29	26	416412100	1	A1		O			4900	567	160	110	80	30	2200		15		6			6			96.40	E41P	VLHE41P10	30	96.40								
30	27	416412100	1	A13	O				2120	175	160	110	80	30			7	4			4				34.40	E41P	VLHE41P11	14	34.40								
31	28	416412100	1	A13	O				4430	175	160	110	80	30	2050		14	6			6				68.10	E41P	VLHE41P12	28	68.10								