

## 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

1. 모든 모서리 부분을 3 Pass Grinding(최소 3R)할 것. → PP 도장 코드만 적용

## PLAN HISTORY

REV NO	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22. 04. 16	Vertical Ladder 제작용으로 작성	이천하		결재完

(표지 포함 6매)

DEP'T NO. <b>B111000</b>	SHIP NO. <b>8147, 8175</b>	SHIP TYPE <b>174,000 CBM CLASS LNGC</b>	
TEL. NO. <b>2706</b>	부 서 명 <b>선 각 기 술 부</b>	<b>도 면 명</b>  <b>Vertical Ladder</b>  <b>제작도</b>	
승 인	<b>책임 김 성 주</b>		
검 도			
작 성	<b>책임 이 천 하</b>		
 <b>Hyundai Samho Heavy Industries Co., Ltd.</b> <b>Samho Shipyard, Korea</b>		도 면 번 호 <b>S15P5115H</b>	POR NO. <b>H21</b>
		DATE <b>2022. 04. 16</b>	

## VERTICAL LADDER MFG. LIST

예산대구분	PROJECT NO.		발행부서	작성 자 사번		DATE	DWG. NO	PAGE
6016	8147		B111000	P009313		20220416	S15P0C15H	1
	8175		구조설계부	이천하	T : 2706			5

8147-VERT-08

NO.	예산 중구분	자재번호 (MATERIAL)	Q'TY	TYPE	PAINT CODE (도장 횟수)				DIMENSION								SQ.B Q'TY	LEG Q'TY				PAD P Q'TY	WEIGHT (Kg/ST)	POR NO		BLK.	MARK NO.			
					P2		PP		L	D	SU	U	SB	B	S1	S2		(3)	(4)	(5)	(6)			(7)					POR NO	SEQ.
01	042	416412100	1	A1				O	2860	632	160	110	450	30			9		4		4		61.1	H21	01	B18P	VLHB18P01			
02	042	416412100	1	A1				O	2860	632	160	110	450	30			9		4		4		61.1	H21	02	B18S	VLHB18S01			
03	042	416412100	1	A1				O	1160	150	160	110	80	30			4	4			4		20.8	H21	03	B20P	VLHB20P01			
04	042	416412100	1	A1				O	1160	150	160	110	80	30			4	4			4		20.8	H21	04	B20S	VLHB20S01			
05	042	416412100	1	A1			O		2950	502	300	200	100	30			9		4		4		57.9	H21	05	B20P	VLHB20P02			
06	042	416412100	1	A1				O	4900	238	160	110	80	30	1100	2300	15	8			8		78.5	H21	06	B60P	VLHB60P01			
07	042	416412100	1	A1				O	4900	238	160	110	80	30	1100	2300	15	8			8		78.5	H21	07	B60S	VLHB60S01			
08	042	416412100	1	A1				O	2981	제 작 도 면 참 조							9	3	1					46.0	H21	08	B60P	VLHB60P02		
09	042	416412100	1	A1				O	2981	제 작 도 면 참 조							9	3	1					46.0	H21	09	B60S	VLHB60S02		
12	042	416412100	1	A1				O	4023	제 작 도 면 참 조							12	2	4					79.9	H21	12	S20P	VLHS20P02		
13	042	416412100	1	A1				O	4023	제 작 도 면 참 조							12	2	4					79.9	H21	13	S20S	VLHS20S02		
14	042	416412100	1	A1				O	1990	제 작 도 면 참 조							6		2	2		2		37.3	H21	14	S20P	VLHS20P03		
15	042	416412100	1	A1				O	1990	제 작 도 면 참 조							6		2	2		2		37.3	H21	15	S20S	VLHS20S03		
16	042	416412100	1	A1				O	2286	제 작 도 면 참 조							7	4						38.5	H21	16	S13P	VLHS13P01		
17	042	416412100	1	A1				O	2286	제 작 도 면 참 조							7	4						38.5	H21	17	S13S	VLHS13S01		
18	042	416412100	1	A13				O	2969	제 작 도 면 참 조							9	2	2					53.4	H21	18	S13P	VLHS13P02		
19	042	416412100	1	A13				O	2969	제 작 도 면 참 조							9	2	2					53.4	H21	19	S13S	VLHS13S02		
20	042	416412100	1	A13				O	3862	제 작 도 면 참 조							12	2	4					74.8	H21	20	S13P	VLHS13P03		
21	042	416412100	1	A13				O	3862	제 작 도 면 참 조							12	2	4					74.8	H21	21	S13S	VLHS13S03		
22	042	416412100	1	A1				O	2952	제 작 도 면 참 조							9	2	2					51.3	H21	22	S13P	VLHS13P04		
23	042	416412100	1	A1				O	2952	제 작 도 면 참 조							9	2	2					51.3	H21	23	S13S	VLHS13S04		
24	042	416412100	1	A1				O	2953	제 작 도 면 참 조							9	2	2					51.7	H21	24	S13P	VLHS13P05		
														MARK NO. MARKING												TYPE		P	W	
														<div><div></div><div>VLH</div><div></div><div></div></div>												A1		340	350	
														<div><div></div><div></div><div></div><div></div></div>												A13		330	350	
														PROJECT NO.																
														SERIAL NO. OF BLOCK																
														BLOCK NO.																

8147-VERT-08

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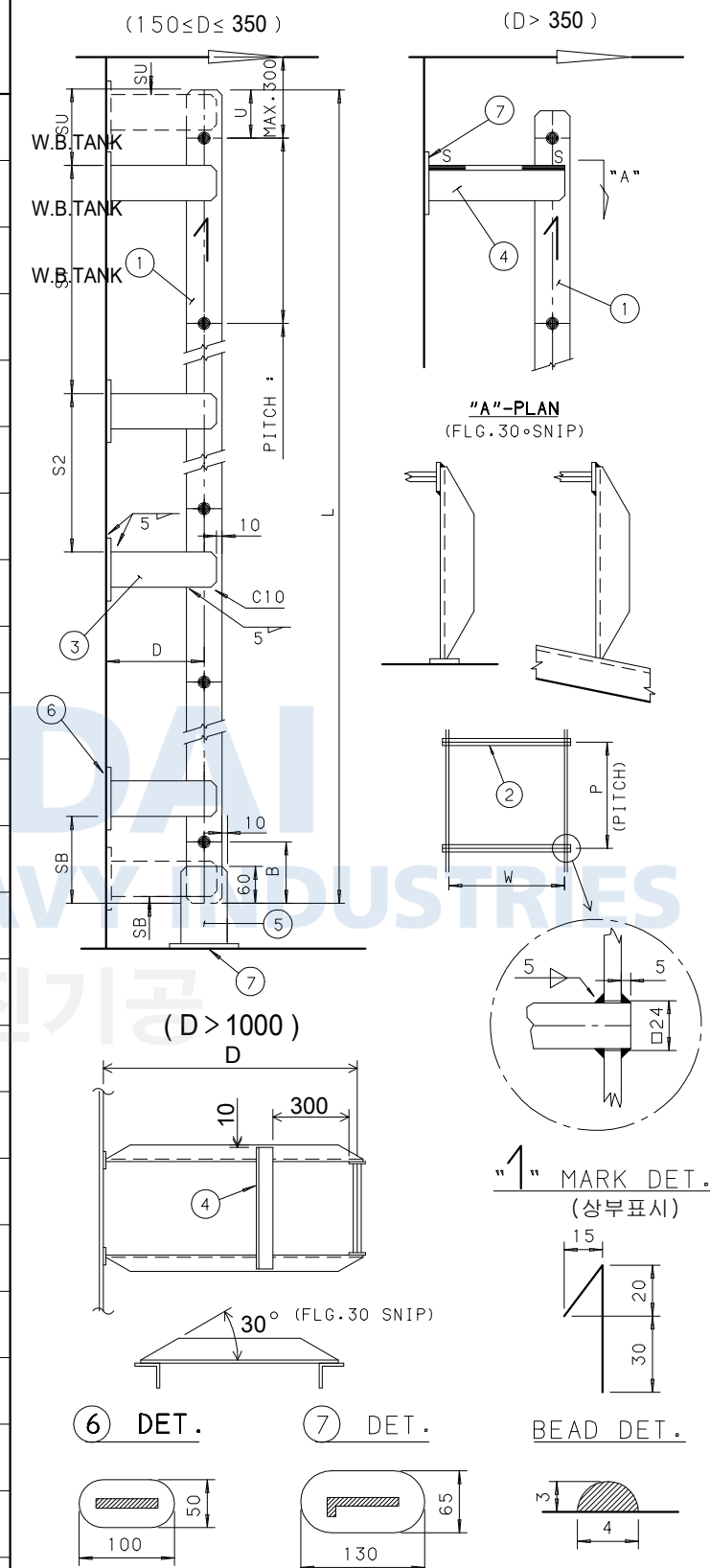
8147-VERT-08

8147-VERT-08

8147

# VERTICAL LADDER MFG. LIST

예산대구분	PROJECT NO.		발행부서	작성 자 사번		DATE	DWG. NO	PAGE
6016	8147		B111000	P009313		20220416	S15P0C15H	2
	8175		구조설계부	이천하	T : 2706			5

[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	65*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

	V L H		
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PROJECT NO.

SERIAL NO. OF BLOCK

BLOCK NO.

TYPE

P

W

A1

340

350

A13

330

350

100

100

[illegible]

N

Q	DESCRIPTION
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SIZE

M.

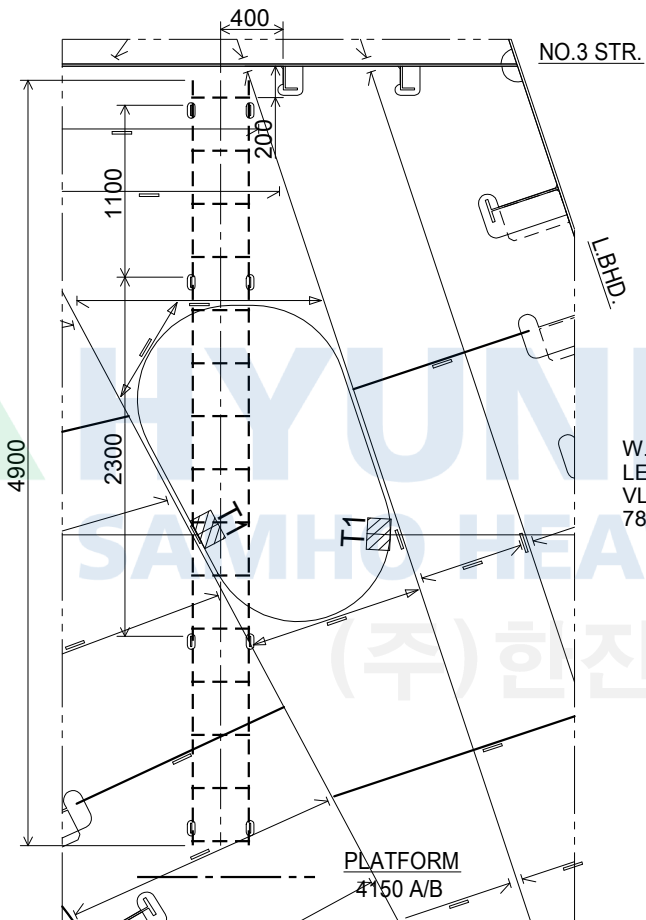
AT'L	Q'TY/S
------	--------

T	WEIGHT
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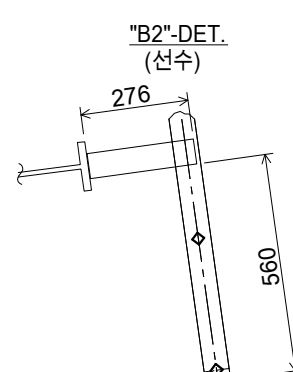
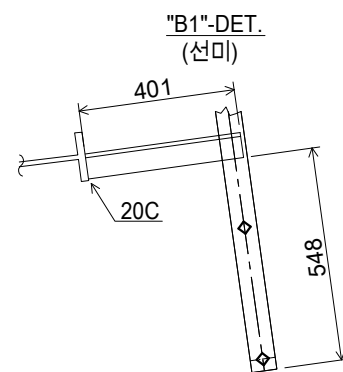
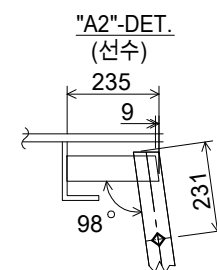
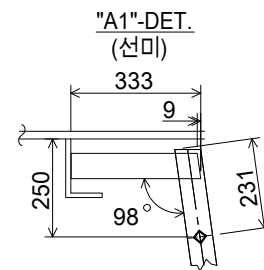
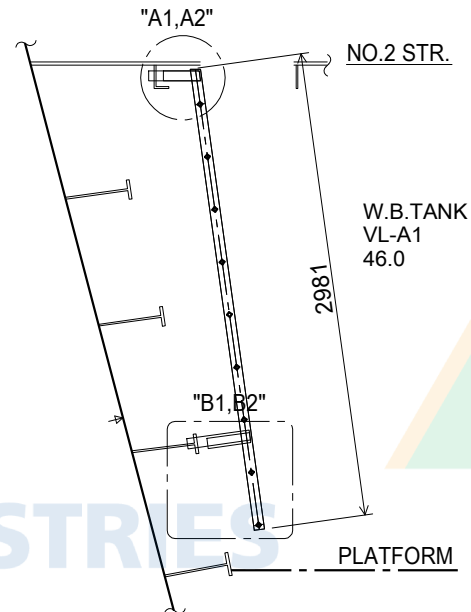


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BLK NO.	S15P0C15H	5

FR.89 SEC.  
VLHB60P01  
VLHB60S01



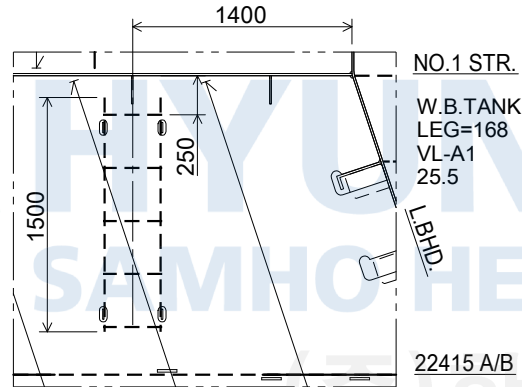
FR.89+1900 SEC.  
VLHB60P02  
VLHB60S02  
(P&S)



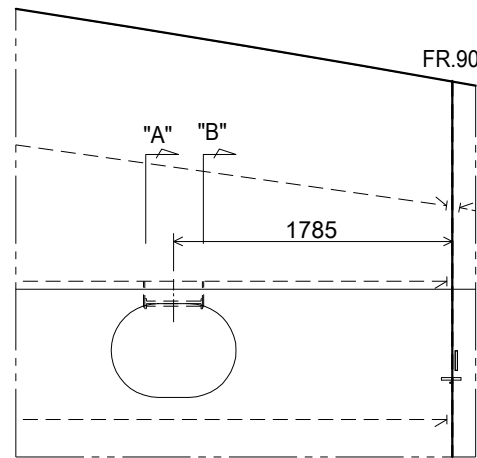


SHIP NO.	8147, 8175	4
BLK NO.	S15P0C15H	5

FR.90 SEC.  
VLHS20P01  
VLHS20S01  
(P&S)

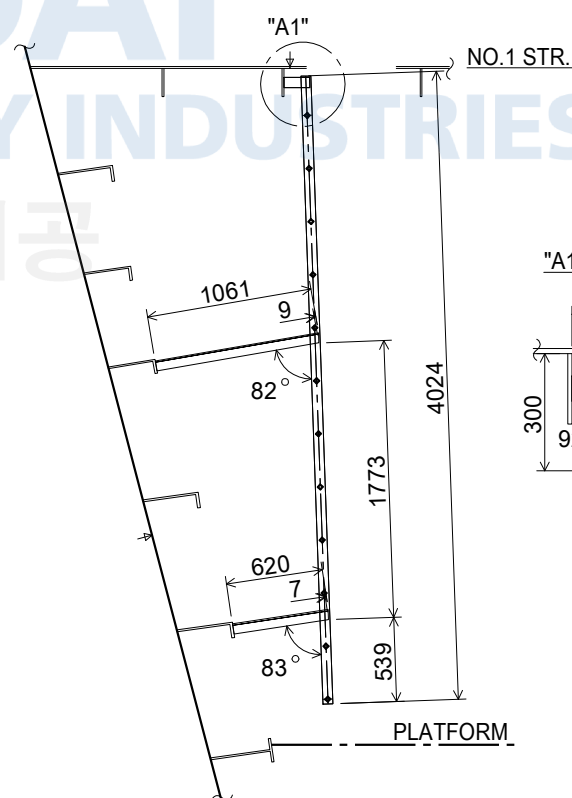


NO.1 STR. PLAN  
(P&S)

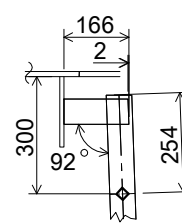


VLHS20P02  
VLHS20S02  
W.B.TANK  
VL-A1  
79.9

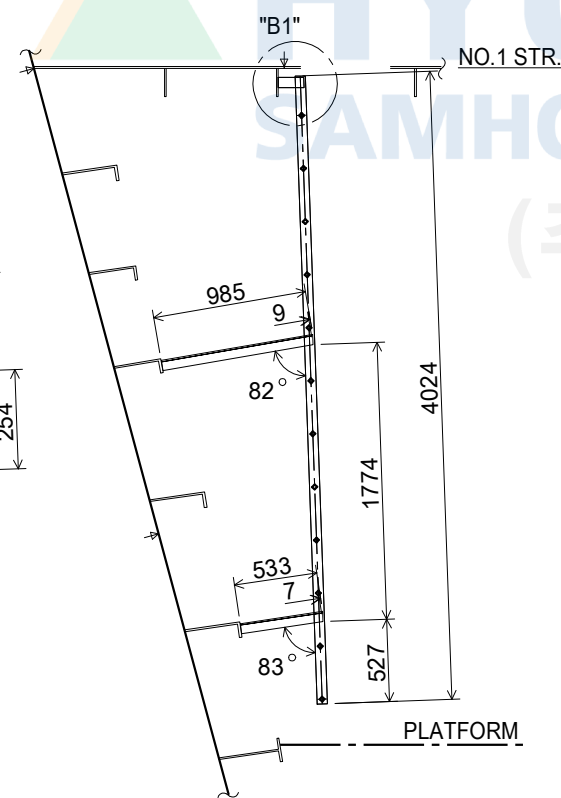
"A"-SEC.



"A1,B1"-DET.

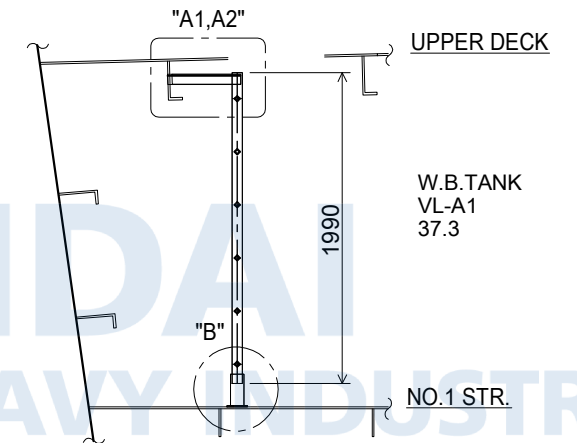


"B"-SEC.

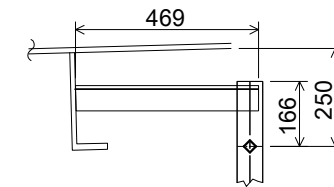


FR.88-1800 SEC.

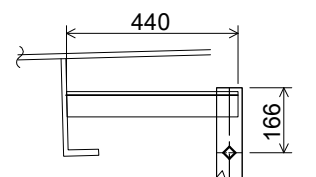
VLHS20P03  
VLHS20S03  
(P&S)



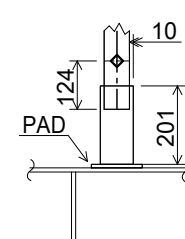
"A1"-DET.  
(선미)



"A2"-DET.  
(선수)



"B"-DET.

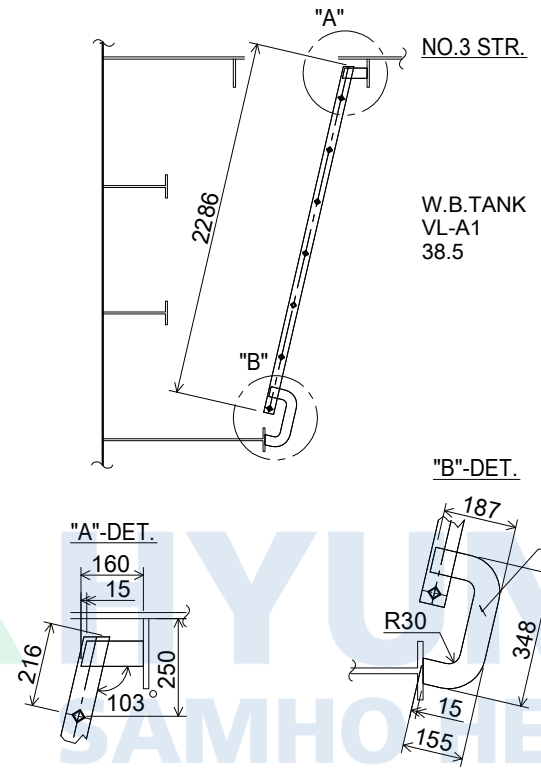




SHIP NO.	8147, 8175	5
BLK NO.	S15P0C15H	5

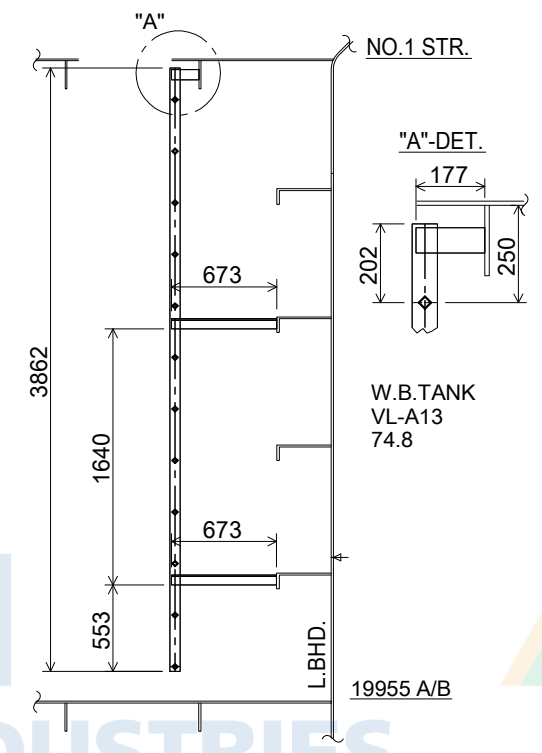
FR.55+1600 SEC.

VLHS13P01  
VLHS13S01  
(P&S)



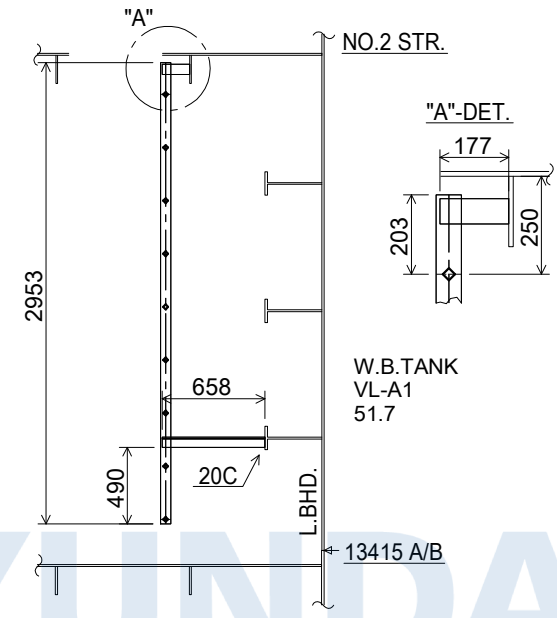
FR.55+1600 SEC.

VLHS13P03  
VLHS13S03  
(P&S)



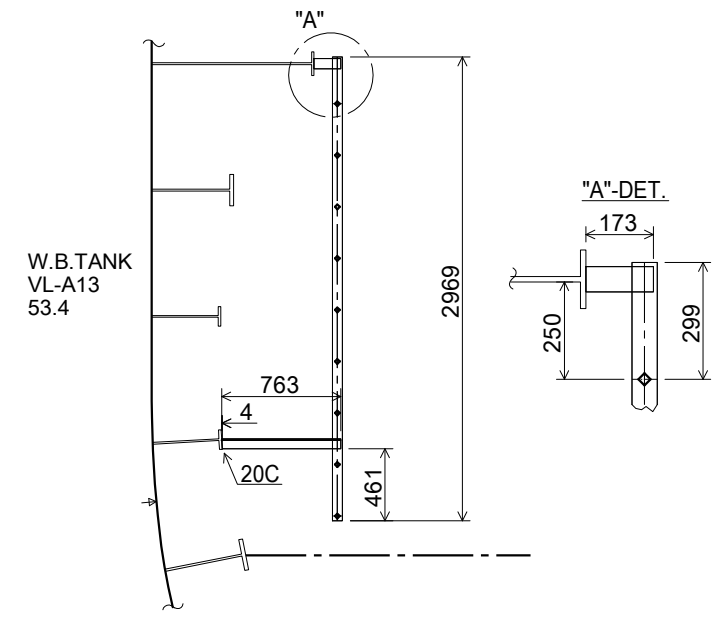
FR.55+1600 SEC.

VLHS13P05  
VLHS13S05  
(P&S)



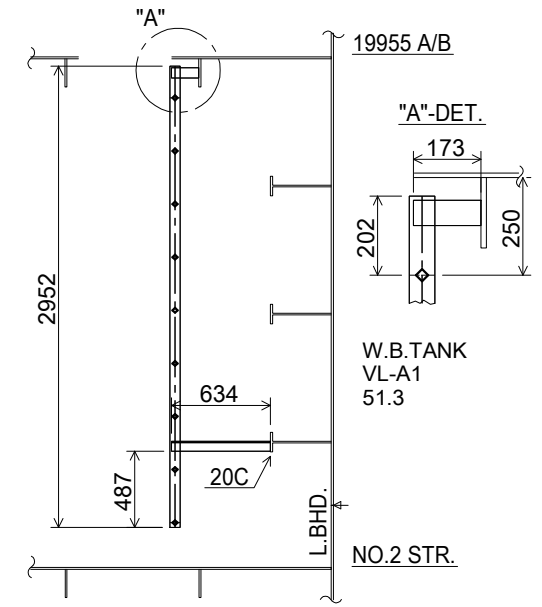
FR.56-1200 SEC.

VLHS13P02  
VLHS13S02  
(P&S)



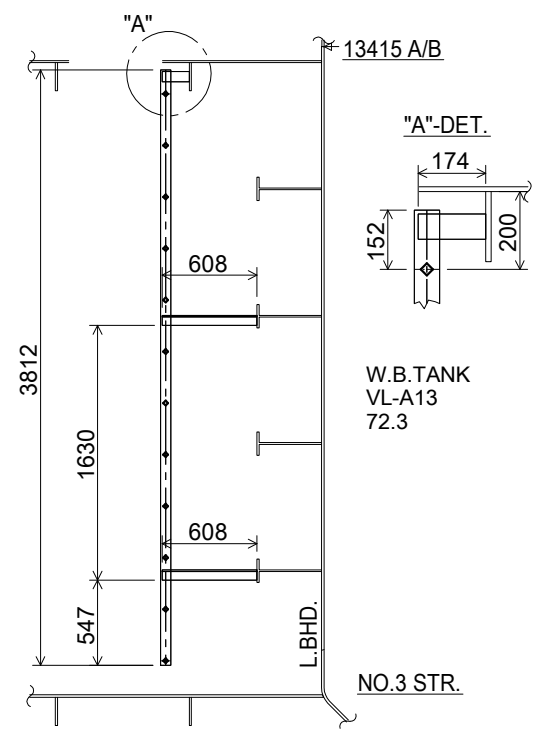
FR.56-1200 SEC.

VLHS13P04  
VLHS13S04  
(P&S)



FR.56-1200 SEC.

VLHS13P06  
VLHS13S06  
(P&S)



8147-VER-PORH21-03



	A	B	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																	Vertical Ladder Option 사항												Vertical Ladder Option 사항							
3	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	
4								LEN	D	SU	U	SB	B	S1	S2	(2)	(3)	(4)	(5)	(6)	(7)	(8)						PT	KG	KG	KG	PT	PT	EA	EA	
5	01	416412100	1	A1			O	2860	632	160	110	450	30			9		4			4			61.10	B18P	VLHB18P01	18		61.10							
6	02	416412100	1	A1			O	2860	632	160	110	450	30			9		4			4			61.10	B18S	VLHB18S01	18		61.10							
7	03	416412100	1	A1			O	1160	150	160	110	80	30			4	4			4				20.80	B20P	VLHB20P01	8		20.80							
8	04	416412100	1	A1			O	1160	150	160	110	80	30			4	4			4				20.80	B20S	VLHB20S01	8		20.80							
9	05	416412100	1	A1		O		2950	502	300	200	100	30			9		4			4			57.90	B20P	VLHB20P02	18	57.90								
10	06	416412100	1	A1			O	4900	238	160	110	80	30	1100	2300	15	8			8				78.50	B60P	VLHB60P01	30		78.50							
11	07	416412100	1	A1			O	4900	238	160	110	80	30	1100	2300	15	8			8				78.50	B60S	VLHB60S01	30		78.50							
12	08	416412100	1	A1			O	2981	변	참	조					9	3	1						46.00	B60P	VLHB60P02	18		46.00							
13	09	416412100	1	A1			O	2981	변	참	조					9	3	1						46.00	B60S	VLHB60S02	18		46.00							
14	10	416412100	1	A1			O	1500	168	160	110	80	30			5	4			4				25.70	S20P	VLHS20P01	10		25.70							
15	11	416412100	1	A1			O	1500	168	160	110	80	30			5	4			4				25.70	S20S	VLHS20S01	10		25.70							
16	12	416412100	1	A1			O	4023	변	참	조					12	2	4						79.90	S20P	VLHS20P02	24		79.90							
17	13	416412100	1	A1			O	4023	변	참	조					12	2	4						79.90	S20S	VLHS20S02	24		79.90							
18	14	416412100	1	A1			O	1990	변	참	조					6		2	2		2			37.30	S20P	VLHS20P03	12		37.30							
19	15	416412100	1	A1			O	1990	변	참	조					6		2	2		2			37.30	S20S	VLHS20S03	12		37.30							
20	16	416412100	1	A1			O	2286	변	참	조					7	4							38.50	S13P	VLHS13P01	14		38.50							
21	17	416412100	1	A1			O	2286	변	참	조					7	4							38.50	S13S	VLHS13S01	14		38.50							
22	18	416412100	1	A13			O	2969	변	참	조					9	2	2						53.40	S13P	VLHS13P02	18		53.40							
23	19	416412100	1	A13			O	2969	변	참	조					9	2	2						53.40	S13S	VLHS13S02	18		53.40							
24	20	416412100	1	A13			O	3862	변	참	조					12	2	4						74.80	S13P	VLHS13P03	24		74.80							
25	21	416412100	1	A13			O	3862	변	참	조					12	2	4						74.80	S13S	VLHS13S03	24		74.80							
26	22	416412100	1	A1			O	2952	변	참	조					9	2	2						51.30	S13P	VLHS13P04	18		51.30							
27	23	416412100	1	A1			O	2952	변	참	조					9	2	2						51.30	S13S	VLHS13S04	18		51.30							
28	24	416412100	1	A1			O	2953	변	참	조					9	2	2						51.70	S13P	VLHS13P05	18		51.70							
29	25	416412100	1	A1			O	2953	변	참	조					9	2	2						51.70	S13S	VLHS13S05	18		51.70							
30	26	416412100	1	A13			O	3812	변	참	조					12	2	4						72.30	S13P	VLHS13P06	24		72.30							
31	27	416412100	1	A13			O	3812	변	참	조					12	2	4						72.30	S13S	VLHS13S06	24		72.30							

(주)한신기공