## **NOTE**

- 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.

공

5. 자재 입고시 용접선 부근 50mm 이내에 Paint Marker로 Marking(Ship No, POR No, Block No, 및 Mark No.) 할 것.

통

사

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. A1S5, A13S5 Type의 PAD는 LT강으로 강재 사급임.
- 2. 모든 모서리 부분을 3 Pass Grinding(최소 3R)할 것.→ PP 도장 코드만 적용

PLAN HISTORY

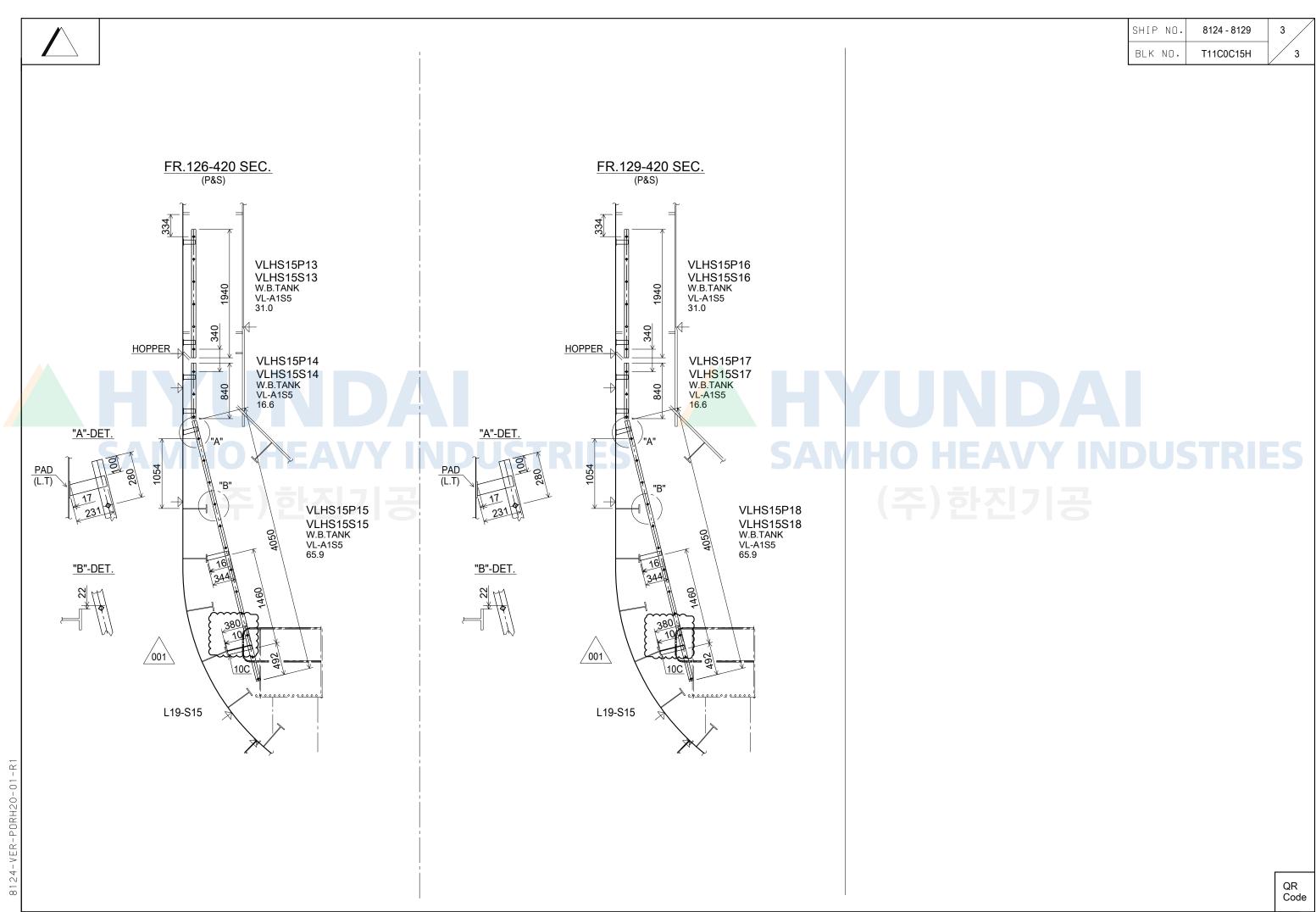
		T EAR MISTORY			
REV NO	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22. 04. 04	Vertical Ladder 제작용으로 작성	김성경	이천하	결재完
001	22. 04. 05	치수누락으로 추가	김성경	이천하	결재完

(표지 포함 4 매)

DEP'T NO.	SHIP NO.	SHIP TYPE	
B111000	8124-8129	86,000 CBM CLASS LPG CARRIER	
TEL. NO.	부서명	도면명	
2706	구 조 설 계 부		
승 연	책임 김성주	Vertical Ladder	
검 5	<u> 책임이천하</u>	제작도	
작 성	<u>대리 김성경</u>	71171	
		도면 번호 T11C0C15H POR N	Ο.
I	Hyundai Samho Heavy Industries Co., Ltd. Samho Shipyard, Korea	DATE 2022. 04. 04 H20	

-	<b>/</b>																	_	(	계산대구분	P	PROJECT	NO.	발행부서	작성자 사번	DATE	DW	/G.NO	PAGE
					VE	RTIC	<u> </u>	<u> </u>	AD[	DEF	? /	1FG		_ I_	ST	-				6016	8	3124		B111000	P009313	20220404	T11	C0C15H	1
																	,				8	3125-8129		구조설계부	이천하 🍴 : 2706			0001311	3
NO.	예산	자재번호	n, T	/   D _	PAINT CODE (도장 횟수)			D	IMENS	SION				SQ.B	(	LEG ]'TY		AD F	WEIGHT	POR	NO	BLK.		ARK NO.	(150	)≤D≤ <b>350</b> )	(	(D> <b>350</b> )	
	중구분	(MATERIAL)	G		P 2	L	D	SU	U	SB	В	S1	S2	2	3	4	5 6	7	(Kg/ST)	POR NO	SEQ.	DLN.	''	AIN NU.			T		
01	042	416412100	1	A1S5 C		3360	250	110	270	255	30	1400		10	6		6		54.4	H20	01	S15P	VLHS.	15P01	W.B.TANK		7		
00		440440400												40							00				1 +			"A"	
02	042	416412100	1	A1S5 C	)	3360	250	110	270	255	30	1400		10	6		6		54.4	H20	02	S15S	VLHS	15801	W.B.TANK		4	$\langle  1   1 \rangle$	
03	042	416412100	1	A1S5 C	)	3360	250	110	270	255	30	1400		10	6	_	6		54.4	H20	03	S15P	VLHS <sup>-</sup>	15P02	W.B. TANK				
04	042	416412100	1	A1S5 C		3360	250	110	270	255	30	1400		10	6		6		54.4	H20	04	S15S	VLHS.	15S02	W.B.TANK				
05	042	416412100	1	A1S5 C		1500	165	160	110	80	30			5	4		4		25.6	H20	05	S15P	VLHS:	15P03	W.B.TANK	PITCH .		-PLAN	
06	042	416412100	1	A1S5 (		1500	165	160	110	80	30			5	4		4		25.6	H20	06	S15S	VLHS	15803	W.B.TANK		(FLG.3)	0∘SNIP)	
-																										- 10			
07	042	416412100	1	A1S5 C	)	1340	165	150	290	80	30			4	4		4		22.7	H20	07	S15P	VLHS	15P04	W.B.TANK				
08	042	416412100	1	A1S5 C		1340	165	150	290	80	30			4	4		4		22.7	H20	08	S15S	VLHS	15S04	W.B.TANK	<u>C10</u>			
09	042	416412100	1	A1S5 C		1680	165	190	290	150	30			5	4		4		27.3	H20	09	S15P	VLHS	15P05	W.B.TANK				/I ~
10	042	416412100	1	A1S5 C		1680	165	190	290	150	30			5	4		4		27.3	H20	10	S15S	VLHS:	15S05	W.B.TANK		<b></b>	<b>-</b>	,
11	042	416412100	1	A1S5 (		1500	165	160	110	80	30			5	4		4		25.6	H20	11	S15P	VLHS.	15P06	W.B <u>.TANK</u>		2		
			-																							10			
12	042	416412100	1	A1S5 C		1500	165	160	110	80	30	15	Н	5	4		4		25.6	H20	12	S15S	VLHS	15S06	W.B.TANK		S	<u>-</u> "	5
13	042	416412100	1	A1S5 C	)	1340	165	150	290	80	30			4	4		4		22.7	H20	13	S15P	VLHS	15P07	W.B.TANK 🗒 -	5	,	/ <sub>5</sub>	5 \
14	042	416412100	1	A1S5 C		1340	165	150	290	80	30			4	4		4		22.7	H20	14	S15S	VLHS		W.B.TANK	D > 1000 )	/		024
15	042	416412100	1	A1S5 C		1680	165	190	290	150	30			5	4		4		27.3	H20	15	S15P	VLHS <sup>-</sup>	15P08	W.B.TANK	D >	/		<del>"</del> /
16	042	416412100	1	A1S5 (		1680	165	190	290	150	30			5	4		4		27.3	H20	16	S15S	VLHS	15\$08	W.B.TANK	2   300		W	/
																					-						<u>"</u>	<u>1. mark</u>	DET.
17	042	416412100	1	A13S5 C	)	5440	165	160	110	100	50	1800	1650	17	8		8		83.4	H20	17	S15P	VLHS	15209	W.B.TANK	4		(상부표 나 <mark>15</mark>	<u>ا</u> لکا)
18	042	416412100	1	A13S5 C	)	5440	165	160	110	100	50	1800	1650	17	8		8		83.4	H20	18	S15S	VLHS	15S09	W.B.TANK		2415)		
19	042	416412100	1	A13S5 C	)	1540	165	90	190	80	30			5	4		4		25.9	H20	19	S15P	VLHS	15P10	W.B.TANK	30° (FLG.30 S	'NIP)	, or	
20	042	416412100	1	A13S5 C		1540	165	90	190	80	30			5	4		4		25.9	H20	20	S15S	VLHS:	15S10	W.B.TANK DE	T. (7) DI	ГТ		
21	042	416412100	1	A13S5 (		5440	165	160	110	100	50	1800	1650	17	8		8		83.4	H20	21	S15P	VLHS.	15P11	W.B.TANK	<u> </u>	ET.	BEAD DE	
																										000	Ø 52	M 4	_
22	042	416412100	1	A13S5 C	)	5440	165	160	110	100	50	1800	1650	17	8		8		83.4	H20	22	S15S	VLHS <sup>-</sup>	15811	W.B.TANKOO	130			RK(NO.4)
23	042	416412100	1	A13S5 C	)	1540	165	90	190	80	30			5	4		4		25.9	H20	23	S15P	VLHS	15P12	W.B.TANK			0 <d≤1300 65*<="" td="" →=""><td>65*8 E.A</td></d≤1300>	65*8 E.A
24	042	416412100	1	A13S5 C		1540	165	90	190	80	30			5	4		4		25.9	H20	24	S15S	VLHS	15S12	W.B.TANK 7 PAD	9.0	LEG:	D>1300 → 75*	75*9 E.A Kg/EA
		3S5 TYPE의 PAD 지	배질은 LT경	강 임. → 강자	l 사급					MA	.RK N	<u> </u>	<u>IARK I</u>	NG								TYPE	Р	W	6 PAD	9.0	SS400		Kg/EA
[-] [		9.0 460LF-M32S	0.35 Kg	/FA									VL	Н								A1(S5)	340	350	5 LEG - 4 <u>**</u> LEG	85*9 65*65*8/75*75*9	SS400 SS400		Kg/M Kg/M
		9.0 460LF-M32S 9.0 460LF-M32S	0.53 Kg											NO					A	05 01 0		A13(S5)	330	350	3 LEG	65*9	SS400 SS400		Kg/M
24-	.		1									LKU.	JECT	NU.		В	LOCK N		AL NO.	nt RF0	<u>iuk</u>				2 STEP 1 SIDE FRA	22*22 ME 65*9	SS400 SS400	2	Kg/M Kg/M
<u></u>												LIVI	INDVI	CAMI	1U U				CO., LTD						NO DESCRIPTI	ON SIZE		0'TY/ST WE A3(420x29	EIGHT 7)

-																			예산대구분	F	PROJECT I	NO. 발	행부서	작성	자 사번	DATE	D	WG.NO	PAGE
					$\overline{VE}$	RTIC	<u> AL</u>	L	<u>AD</u> [	DEF	<u> </u>	FG		<u>S1</u>	_				6016	8	3124	B1	11000	P0	09313	20220404		1C0C15H	2
	_					-														8	3125-8129	구:	조설계부	이천하	⊺: 2706		l ı	10001311	3
NO	예산	자재번호	מיןץ	TYPE PP	PAINT CODE (도장 횟수)		1	[	IMENS	NOIS			SQ.	В ү	LEG Q'TY		PAD # Q'TY	WEIGHT		NO	BLK.	MAR	< NO.		(150≤	D≤ <b>350</b> )		(□> 350 )	
	중구분	(MATERIAL)	<u> </u>	PP 2		L	D	SU	U	SB	В	S1	S2 (2)	3	4	5 6	7	(Kg/ST	POR NO	SEQ.	DEIX:	11/11/1	· 110:	] ;		T) 100	T		
25	042	416412100	1	A1S5 O		1940	165	160	110	200	130		6	4		4		31.0	H20	25	S15P	VLHS15P1	13	w.B.⊓	ANK	MAX X	S	7)	" A "
26	042	416412100	1	A1S5 O		1940	165	160	110	200	130		6	4		4		31.0	H20	26	S15S	VLHS15S1	13	w.b.T	ANK			<b>—</b>	^
27	042	416412100	1	A1S5 O		840	165	180	130	80	30		3	4		4		16.6	H20	27	S15P	VLHS15P1	14	W.B.7	-ANK 1			4	
28	042	416412100	1	A1S5 O		840	165	180	130	80	30		3	4		4		16.6	H20	28	S15S	VLHS15S1	14	W.B.1	ANK	•			
29	042	416412100	1	A1S5 O		4050		제	작 도	면	참 조		12	2 4	2	2		65.9	H20	29	S15P	VLHS15P1	15	W.B.T	ANK	Р 11СН	<u>"A</u> .	<u>"-PLAN</u> 30∘SNIP)	
30	042	416412100	1	A1S5 O		4050		제	작 도	면	참 조		12	2 4	2	2		65.9	H20	30	S15S	VLHS15S1	15	₩. <sup>™</sup> .7	ANK	Id	₩\   	=====================================	
31	042	416412100	1	A1S5 O		1940	165	160	110	200	130		6	4		4		31.0	H20	31	S15P	VLHS15P1	16	W.B <u>#</u>	ANK 5	10			
32	042	416412100	1	A1S5 O		1940	165	160	110	200	130		6	4		4		31.0	H20	32	S15S	VLHS15S1	16	W.B.T	/	C10 5		 	
33	042	416412100	1	A1S5 O		840	165	180	130	80	30		3	4		4		16.6	H20	33	S15P	VLHS15P1	17	W.B.1		5			/
34	042	416412100	1	A1S5 O		840	165	180	130	80	30		3	4		4		16.6	H20	34	S15S	VLHS15S1	17	6 W.B.1	ANK		<del></del>		
35	042	416412100	1	A1S5 O		4050		제	작 도	. 면	참 조		12	2 4	2	2		65.9	H20	35	S15P	VLHS15P1	18	W.B <u>.</u> 7	ANK			2	PITCH)
36	042	416412100	1	A1S5 O		4050		제	작 도	면	참 조		12	2 4	2	2		65.9	H20	36	S15S	VLHS15S1	18	W.B.1	h	10		W	
		5/	AIV			TEF	AV												DA	IVI	HC	H		1		5			N I
				(=		<b>51.</b> 7		7 [	- 1												(2	E)	5 <b>1</b> -7	17		7	ı	5	5 \
									0																( D	) > 1000 ) D		\ \	721 }
																										2 300		h	$\mathbb{A}^{-1}$
																									<b></b>	4)		. <mark> </mark> " MARI (상투	<u>K DET.</u> 쿠표시)
																									<u> </u>			15	
																								-		√\30° (FLG.30	SNIP)		50
																								_					30
																						_			6 DET	7	DET.	BEAD	DET.
																								-			00 C	M 4	
																									100	130	0	<u>4</u> <b>×</b> №	MARK(NO.4)
																											LEG : 3: LEG :	50 <d≤1300 td="" →<=""><td></td></d≤1300>	
																						_		7	PAD	9.0	SS400	□~13UU →	Kg/EA
4	A1S5,A13 A1S5,A13	S5 TYPE의 PAD 제 S5 TYPE	대질은 LT강 	· 임. → 강재 . 	사급					MA	RK N	0. M	1ARKING			<del></del>		ı			TYPE A1(S5)	P 340	W 350	5	P A D L E G	9.0 85*9	SS400 SS400		Kg/EA Kg/M
RT - 1	06 PAD 9	9.0 460LF-M32S	0.35 Kg/l	EA									$V \mid L \mid H$				<u> </u>				711(00)			4 3	<u>₩ LEG</u> LEG	65*65*8/75*75*9 65*9	SS400 SS400		Kg/M Kg/M
4 – VE	07 PAD 9	9.0 460LF-M32S	0.53 Kg/	EA								PRO	JECT NO.	<u> </u>				ERIAL NO.	OF BLC	<u>ock</u>				2	STEP	22*22	SS400		Kg/M
812															В	LOCK	<u>NO.</u>								SIDE FRAME ESCRIPTION		SS400 MAT'L	2 Q'TY/ST	Kg/M WEIGHT
	_		_					_			_	НУІ	MAZ TAGNI	1HN H	IF A V Y	INDIIS	STRIF	ES CO., LT	n.									A3 (420x	297)



Α	В	С	D	E F	G	H I	J	K L	M	N O I	P Q	R	S T	U	V	W	Χ	Υ	Z	AA	AB	AC	AD	AE	AF	AG	AH
1																				_							
2 SEG	Q 자재번호	Qty	TYPE	PAIN	T SPE	C.		DIMEN	ISION		SQ.	.B L	EG Qty	P	AD Qt	У	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 S	32 (2)	) (3)	(4) (5)	(6)	(7)	(8)				PT	KG	KG	KG	PT	PT	EA	EA
4 01	416412100	1	A1S5	0		3360	250	110 270	255	30 1400	1	10 6		6			54.40	S15P	VLHS15P01	20		54.40					
5 02	416412100	1	A1S5	0		3360	250	110 270	255	30 1400	1	10 6		6			54.40	S15S	VLHS15S01	20		54.40					
6 03	416412100	1	A1S5	0		3360	250	110 270	255	30 1400	1	10 6		6			54.40	S15P	VLHS15P02	20		54.40					
7 04	416412100	1	A1S5	0		3360	250	110 270	255	30 1400	1	10 6		6			54.40	S15S	VLHS15S02	20		54.40					
8 05	416412100	1	A1S5	0		1500	165	160 110	80	30		5 4		4			25.60	S15P	VLHS15P03	10		25.60					
9 06	416412100	1	A1S5	0		1500		160 110		30		5 4		4			25.60	S15S	VLHS15S03	10		25.60					
10 07	416412100	1	A1S5	0		1340	165	150 290	80	30		4 4		4			22.70	S15P	VLHS15P04	8		22.70					
11 08	416412100	1	A1S5	0		1340	165	150 290	80	30		4 4		4			22.70	S15S	VLHS15S04	8		22.70					
12 09	416412100	1	A1S5	0		1680	165	190 290	150	30		5 4		4			27.30	S15P	VLHS15P05	10		27.30					
13 10	416412100	1	A1S5	0		1680	165	190 290	150	30		5 4		4			27.30	S15S	VLHS15S05	10		27.30					
14 11	416412100	1	A1S5	0		1500	165	160 110	80	30		5 4		4			25.60	S15P	VLHS15P06	10		25.60					
15 12	416412100	1	A1S5	0		1500	165	160 110	80	30		5 4		4			25.60	S15S	VLHS15S06	10		25.60					
16 13	416412100	1	A1S5	0		1340	165	150 290	80	30		4 4		4			22.70	S15P	VLHS15P07	8		22.70					
17 14	416412100	1	A1S5	0		1340	165	150 290	80	30		4 4		4			22.70	S15S	VLHS15S07	8		22.70					1
18 15	416412100	1	A1S5	0		1680	165	190 290	150	30		5 4		4			27.30	S15P	VLHS15P08	10		27.30					1
19 16	416412100	1	A1S5	0		1680	165	190 290	150	30		5 4		4			27.30	S15S	VLHS15S08	10		27.30					1
20 17	416412100	1	A13S5	0		5440	165	160 110	100	50 1800 16	50 1	17 8		8			83.40	S15P	VLHS15P09	34		83.40					1
21 18	416412100	1	A13S5	0		5440	165	160 110	100	50 1800 16	50 1	17 8		8			83.40	S15S	VLHS15S09	34		83.40				 	1
22 19	416412100	1	A13S5	0		1540	165	90 190	80	30		5 4		4			25.90	S15P	VLHS15P10	10		25.90					
23 20	416412100	1	A13S5	0		1540	165	90 190	80	30		5 4		4			25.90	S15S	VLHS15S10	10		25.90					
24 21	416412100	1	A13S5	0		5440	165	160 110	100	50 1800 16	50 1	17 8		8			83.40	S15P	VLHS15P11	34		83.40					
25 22	416412100	1	A13S5	0		5440	165	160 110	100	50 1800 16	50 1	17 8		8			83.40	S15S	VLHS15S11	34		83.40					
26 23		1	A13S5	0		1540	165	90 190	80	30		5 4		4			25.90	S15P	VLHS15P12	10		25.90					1
27 24	416412100	1	A13S5	0		1540	165	90 190	80	30		5 4		4			25.90	S15S	VLHS15S12	10		25.90				 	1
28 25	416412100	1	A1S5	0		1940	165	160 110	200	130		6 4		4			31.00	S15P	VLHS15P13	12		31.00					
29 26		1	A1S5	0		1940	165	160 110	200	130		6 4		4			31.00	S15S	VLHS15S13	12		31.00					
30 27		1	A1S5	0		840	165	180 130	80	30		3 4		4			16.60	S15P	VLHS15P14	6		16.60				 	
31 28		1	A1S5	0		840	165	180 130	80	30		3 4	1	4			16.60	S15S	VLHS15S14	6		16.60					
32 29		1	A1S5	0		4050	면 참	· 조			1	12 4	2	2			65.90	S15P	VLHS15P15	24		65.90					
33 30	416412100	1	A1S5	0		4050	면 참	· 조			1	12 4	2	2			65.90	S15S	VLHS15S15	24		65.90	-				
34 31		1	A1S5	0		1940	165	160 110	200	130		6 4		4			31.00	S15P	VLHS15P16	12		31.00					
35 32		1	A1S5	0		1940	165	160 110	200	130		6 4		4			31.00	S15S	VLHS15S16	12		31.00					
36 33		1	A1S5	0		840	165	180 130	80	30		3 4		4			16.60	S15P	VLHS15P17	6		16.60					
37 34	416412100	1	A1S5	0		840	165	180 130	80	30		3 4		4			16.60	S15S	VLHS15S17	6		16.60					
38 35		1	A1S5	0		4050	면 참	· 조			1	12 4	2	2			65.90	S15P	VLHS15P18	24		65.90					
39 36	416412100	1	A1S5	0		4050	면 참	· 조			1	12 4	2	2			65.90	S15S	VLHS15S18	24		65.90					