



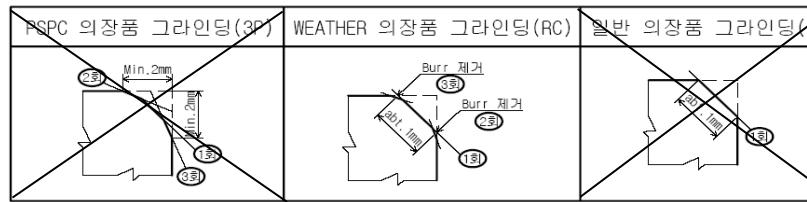
PLAN HISTORY

DATE	REV. NO.	DESCRIPTION	DRAWN	CHECKED	APPROVED
2022. 01. 24	0	8105/8106/8107, EXT. LADDER & PLATFORM (MU22) (UPPER DECK) 제작도면으로 작성함.	강동원	김유만	김동휘

NOTE

1. 본도는 EXT. LADDER & PLATFORM (MU22)■ (UPPER DECK) 제작 도면임.

2. 모서리 부분은 하기와 같이 GRINDING 할 것.



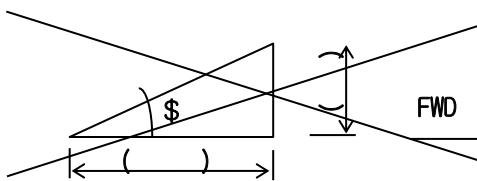
3. 용접은 특기와 하기 표 참조하고 연속 용접 할 것.

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

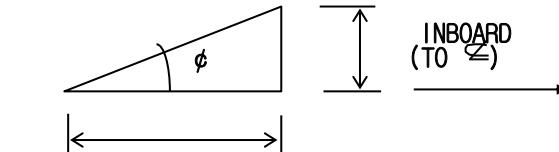
MAL'T THICKNESS	4.5	6	7~8	9~10	11~12	13	14~15	16~18	19~20
LEG LENGTH	3	4	4.5	5	5.5	6	7	7.5	9

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

SHEER :



CAMBER : 도면 참조



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 나사판의 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 : SUS304)

10. P.O.R NO. : **JUQ**

11. TOTAL WEIGHT : 2542.9 KG/SHIP

(표지 포함 33 매)

DEP'T.	SHIP NO.	SHIP TYPE
B126	8105/8106/8107	174,000 CBM CLASS LNG CARRIER
TEL.	부서명	도면명
2897	선장설계부	

승 인 _____ 검 도 _____ 작 성 _____ _____	김동휘 _____ 김유만 _____ 강동원 _____	MFG. OF EXT. LADDER & PLATFORM (MU22) (UPPER DECK)
---	--	--

ITEM	IN SIDE & OUT SIDE			IN SIDE	OUT SIDE		도면 번호 D16C0-M34-56CB - 0
ALL	FINAL	SHOP PRIMER	PRIMER				날짜 2022. 01. 24



製作仕様書(외주구매용)

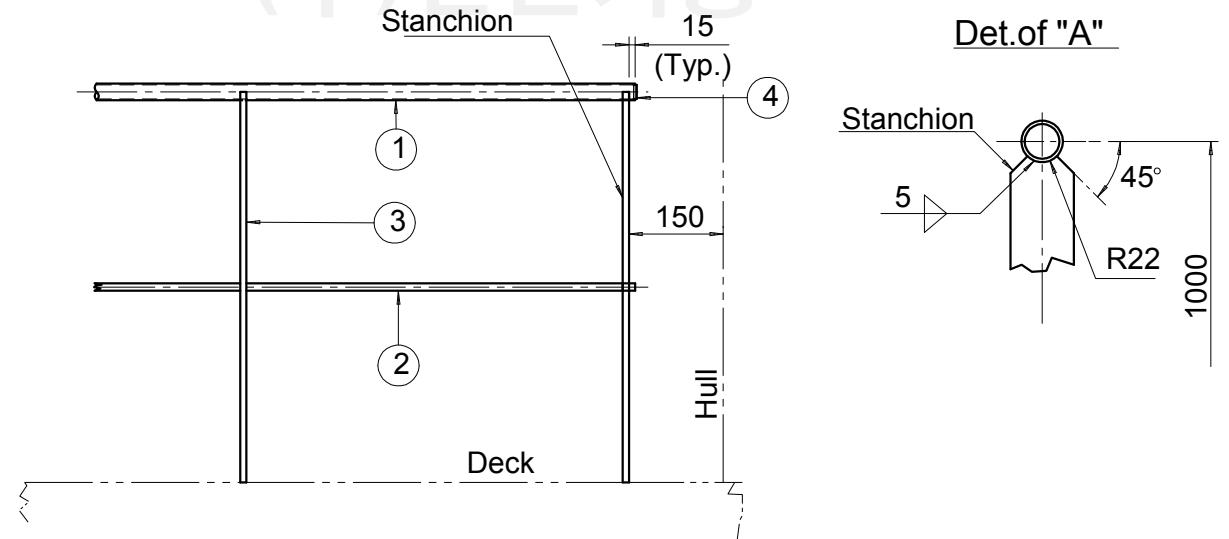
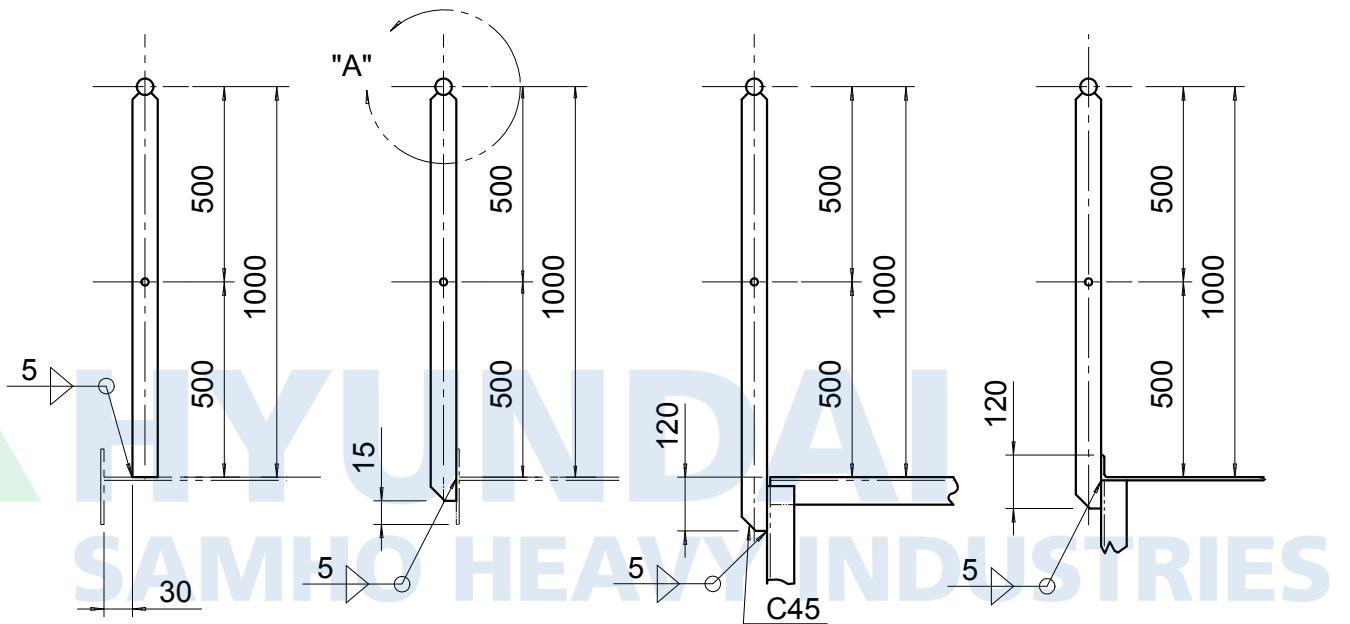


HANDRAIL (TYPE - A2)

KEEP CHAIN (TYPE - C)

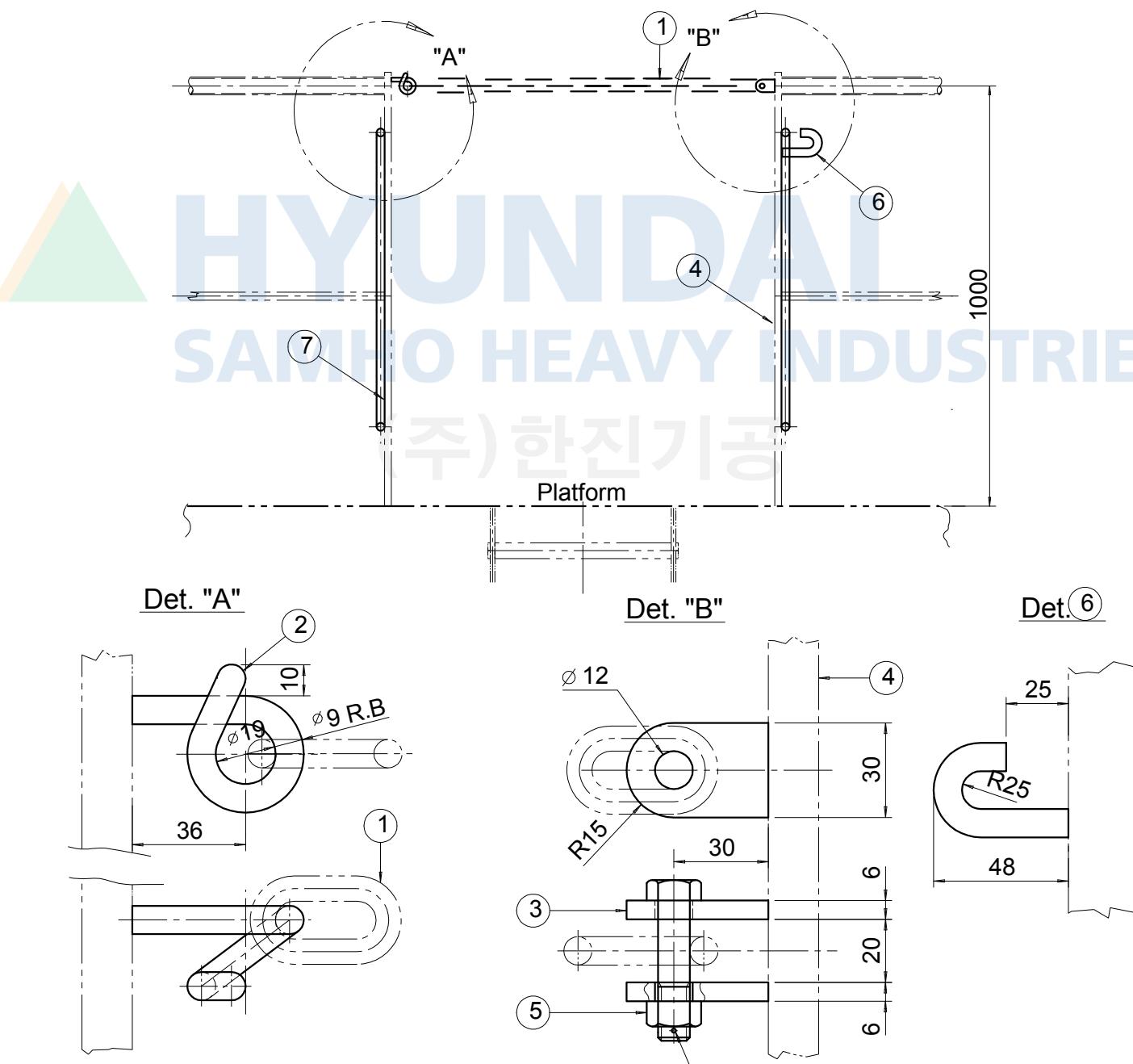
SHIP NO. 8105/8106/8107 002
DWG NO. D16C0-M34-56CB

No.	Description	Size	Mat'l	Q'ty /Set	Wt(kg)	Remark	No.	Description	Size	Mat'l	Q'ty	Remark
1	Top rail	32A(O.D Ø42.7)	SPP	1		Hot-dip Galv.	1	Long chain	Ø 8 Long link chain	SS400	1	Galv.
2	Mid rail	Ø16 R.B	SS400 or SS275	1		Hot-dip Galv.	2	Pig tail	Ø 9 R.B	SS400	1	Galv.
3	Stanchion	65X16t F.B	SS400 or SS275	1		Hot-dip Galv.	3	Hanger	6t	SS400	2	Galv.
4	End plate	6t PLATE	SS400 or SS275	1		Hot-dip Galv.	4	End stanchion	65x16t F.B	SS400	2	Galv.



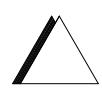
Note

1. Stanchion space : Abt.1500mm
2. Application : Platform/Walkway/Rampway on exposed deck
(If necessary)
Engine casing top
Trunk deck
Cargo gear locker top & Cargo compressor room top
(If necessary)
Around on platform for hose handling crane



Note

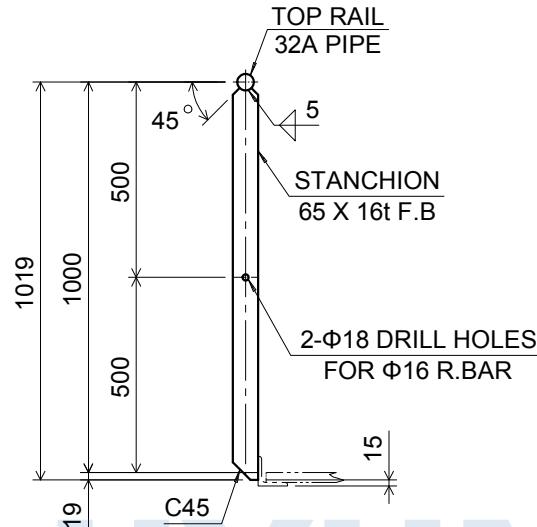
1. Application : In way of vertical ladder for access to platforms on weather deck



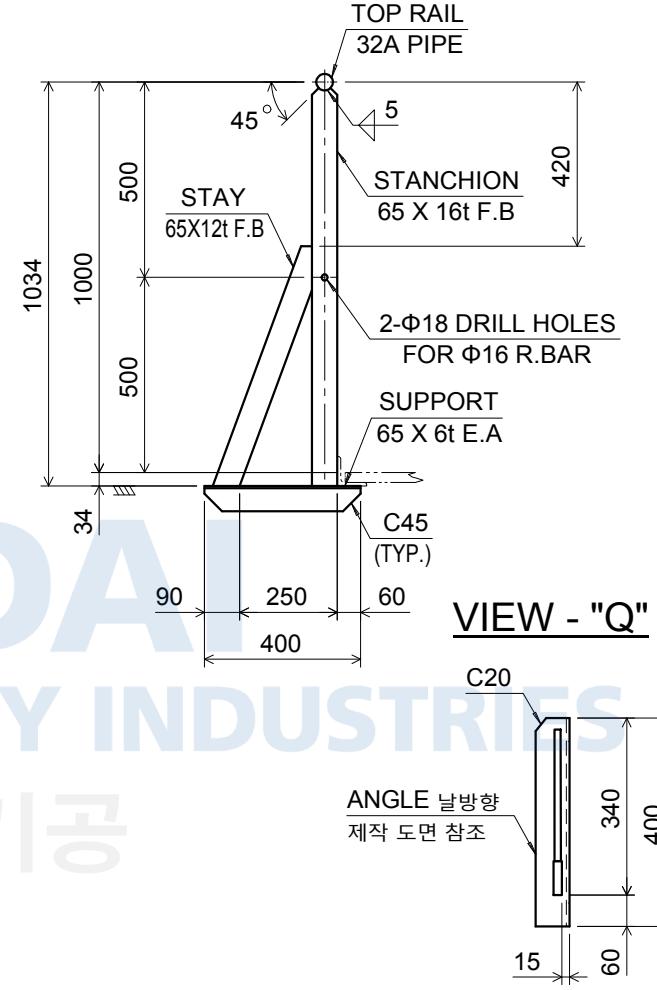
DETAIL OF HANDRAIL STANCHION FOR PLATFORM

SHIP NO. 8105/8106/8107 003
DWG NO. D16C0-M34-56CB

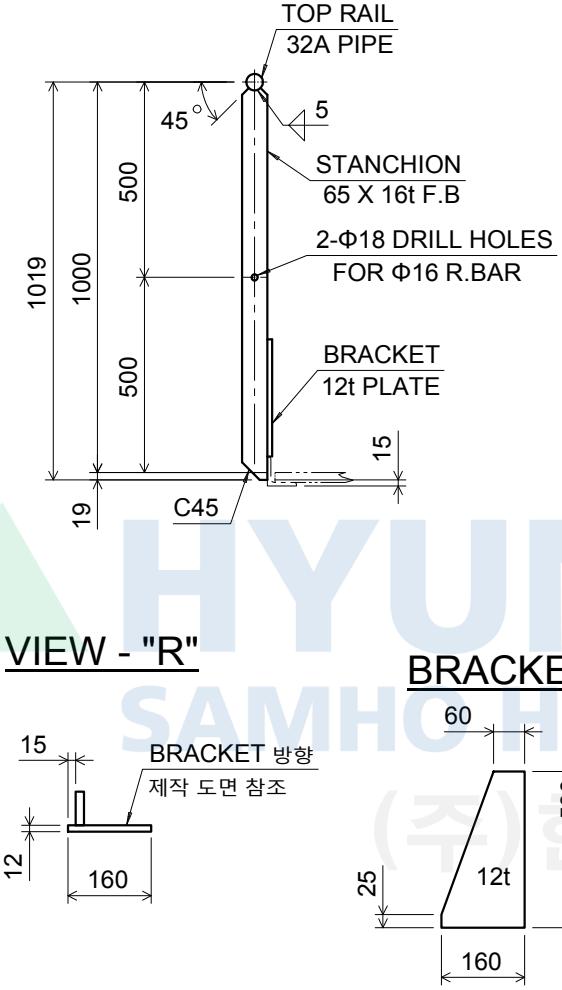
TYPE - M



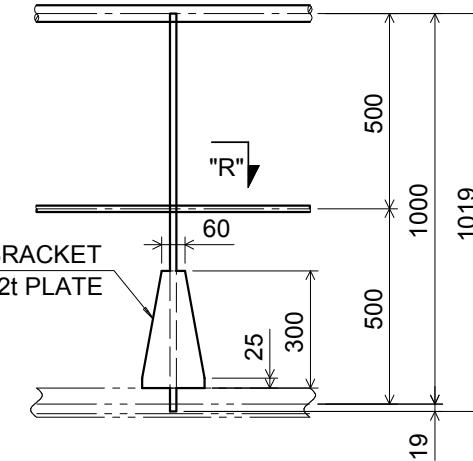
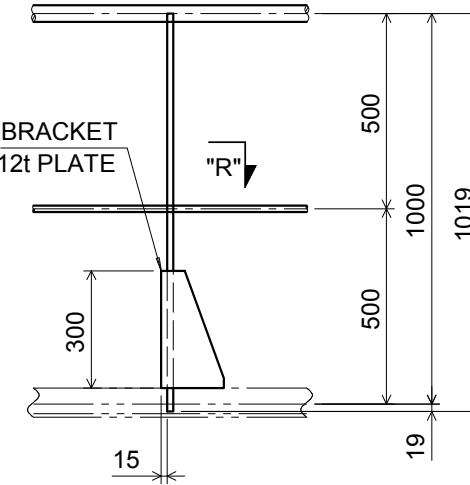
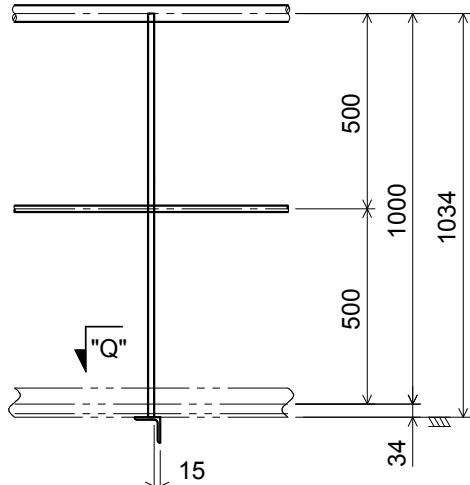
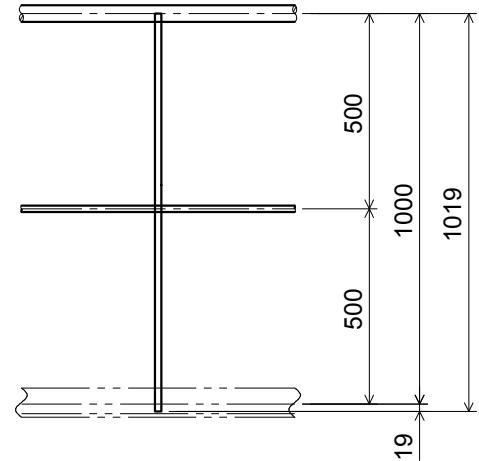
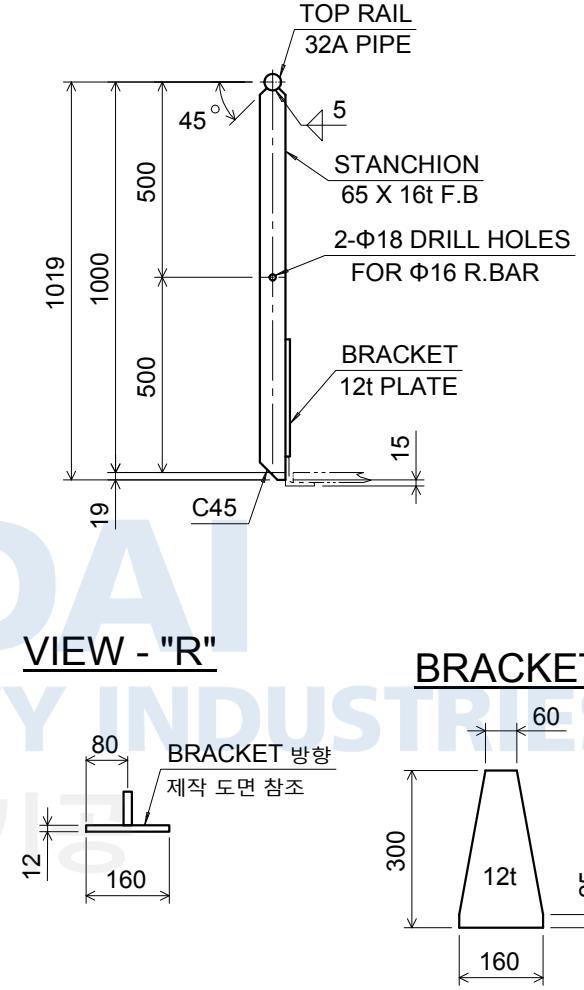
TYPE - MS

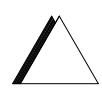


TYPE - MB



TYPE - MB1

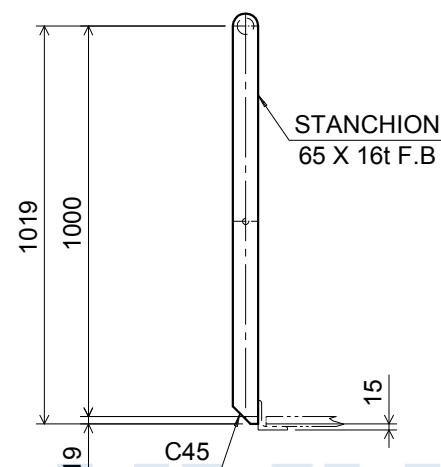




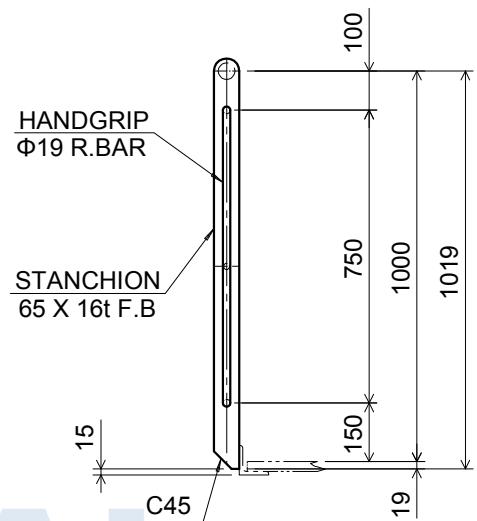
DETAIL OF HANDRAIL STANCHION FOR PLATFORM

SHIP NO. 8105/8106/8107 004
DWG NO. D16C0-M34-56CB

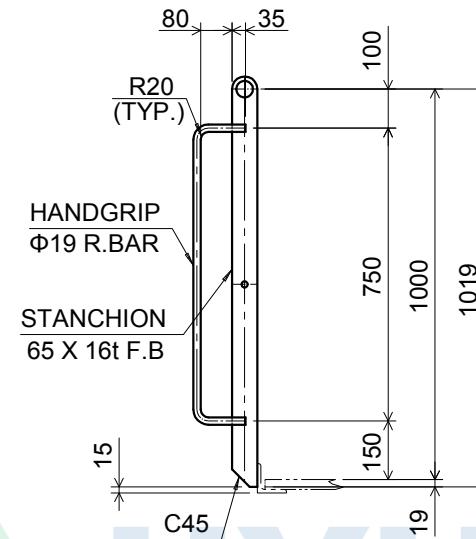
TYPE - E



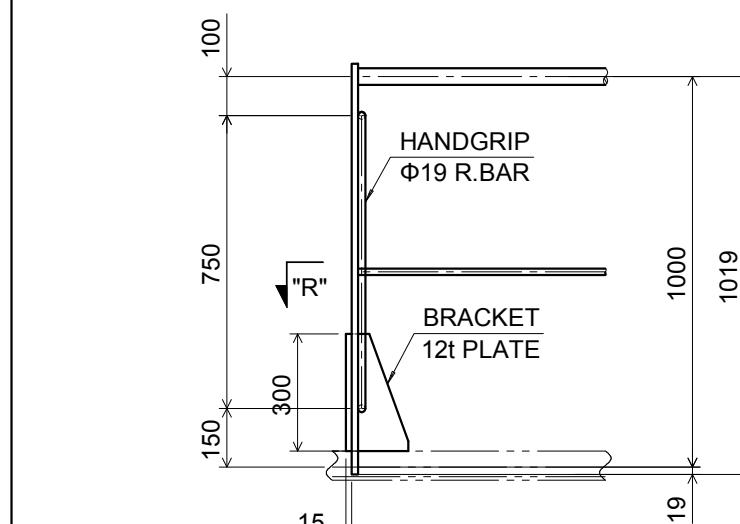
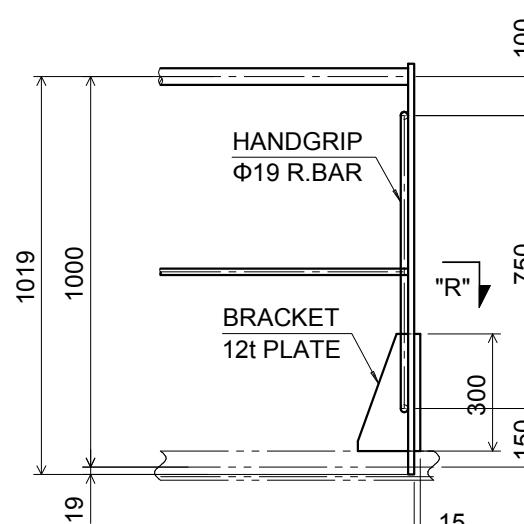
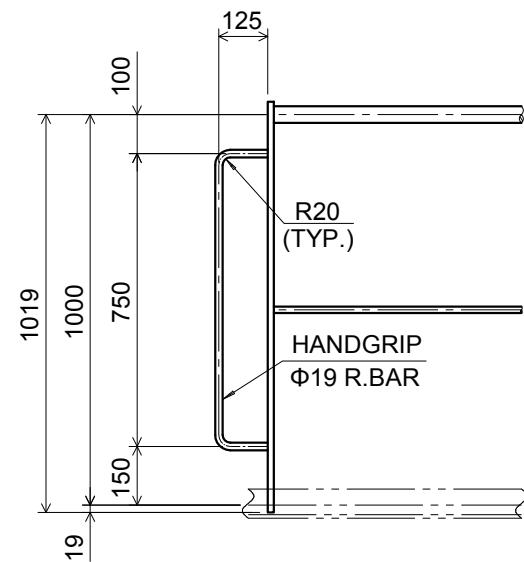
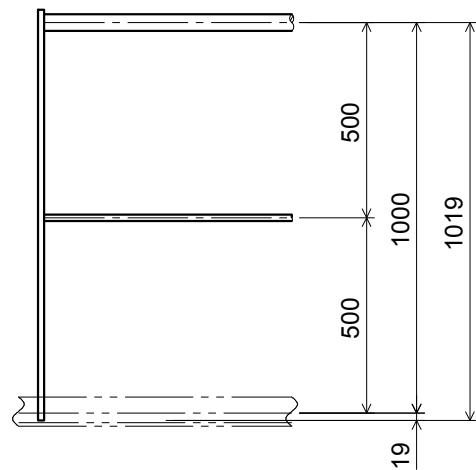
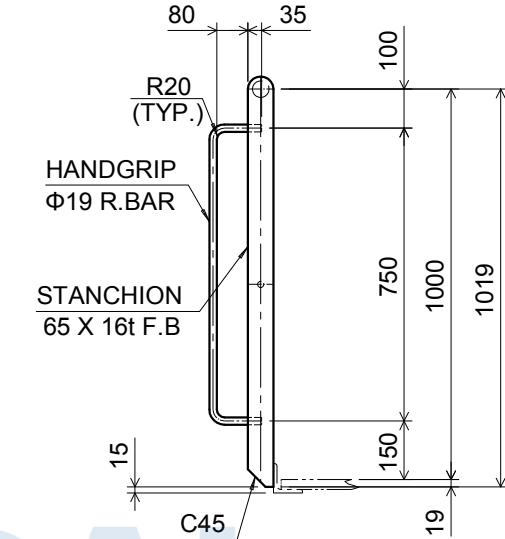
TYPE - EH



TYPE - EHL



TYPE - EHR



TOP RAIL : 32A PIPE

MID RAIL : Φ16 R.BAR

STANCHION : 65 X 16t F.B

BRACKET : 12t PLATE

TOP RAIL : 32A PIPE

MID RAIL : Φ16 R.BAR

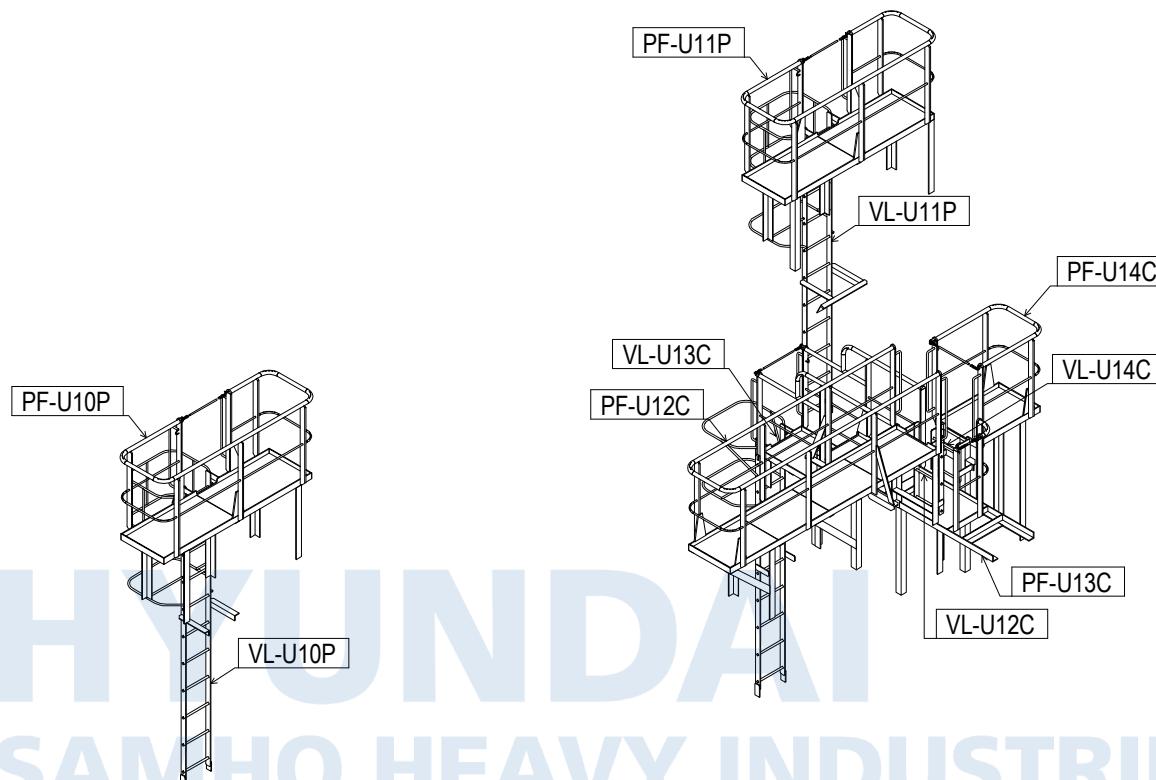
STANCHION : 65 X 16t F.B

BRACKET : 12t PLATE
HANDGRIP : Φ19 R.BAR



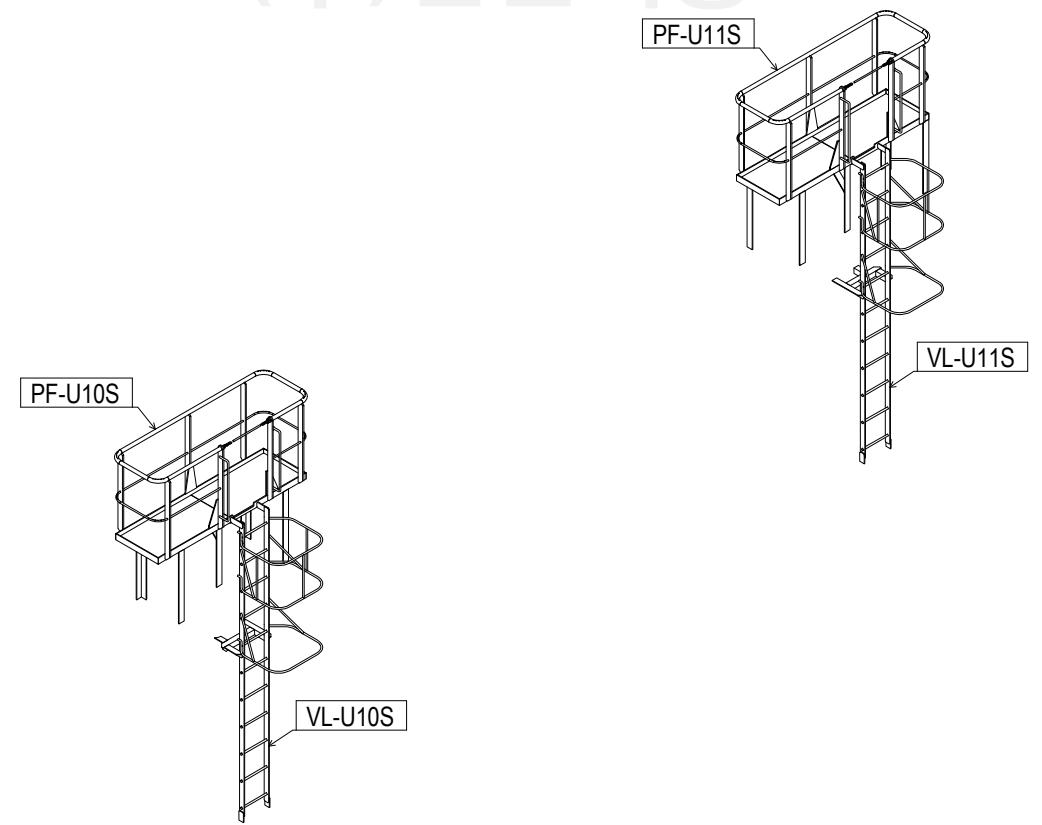
ARR'T OF (D35P0/S0, D36P0/S0, D15C0, D16C0 - MU22) PLATFORM & LADDER

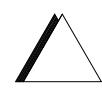
SHIP NO.	8105/8106/8107	005
DWG NO.	D16C0-M34-56CB	



HYUNDAI
SAMHO HEAVY INDUSTRIES
(주)한진기공

HYUNDAI
SAMHO HEAVY INDUSTRIES
(주)한진기공





DETAIL OF PLATFORM (D35P0-MU22U 물량, MARK NO. : PF-U10P)

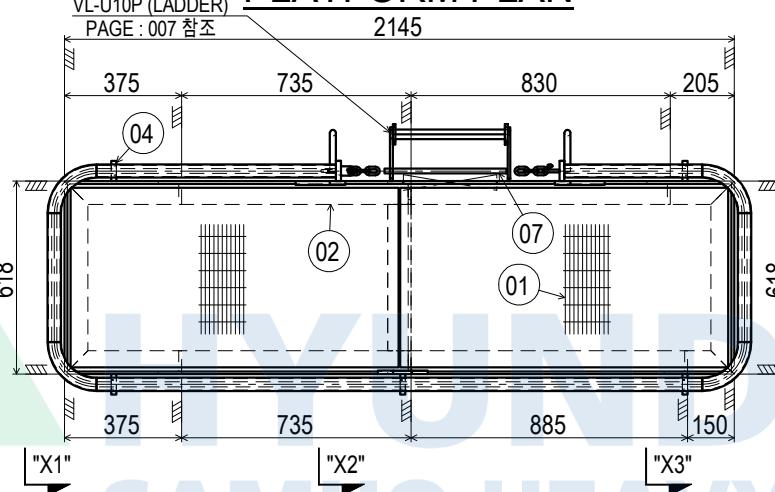
SHIP NO. 8105/8106/8107 006
DWG NO. D16C0-M34-56CB

NOTE

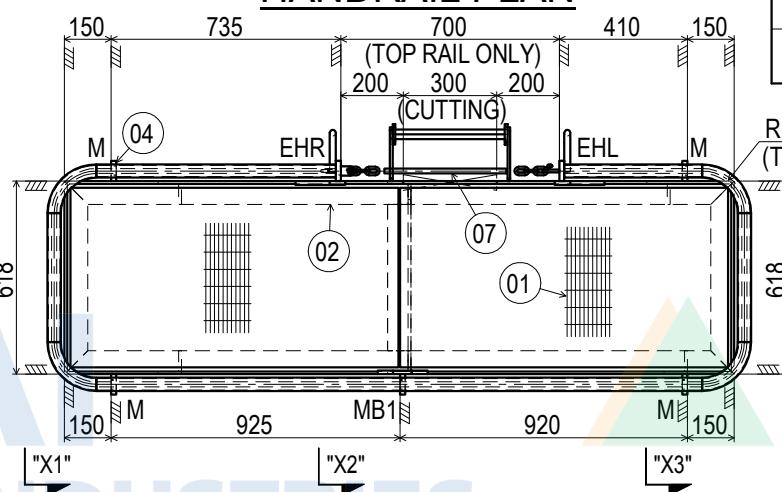
1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상)
단단히 묶어서 입고 할 것. (U10P-01)

배관 ITEM 설치하여 입고.

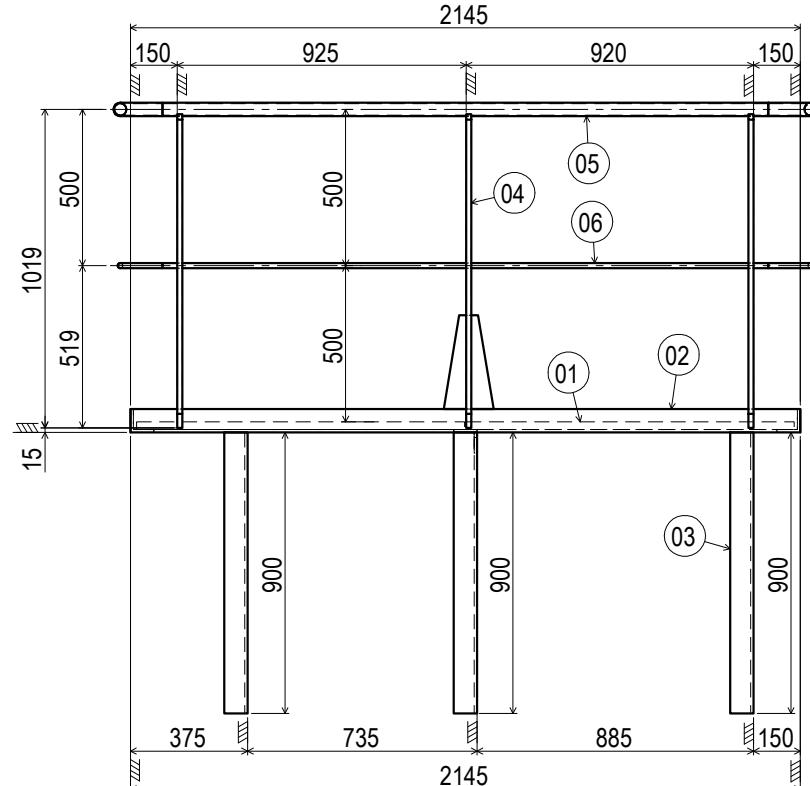
PLATFORM PLAN



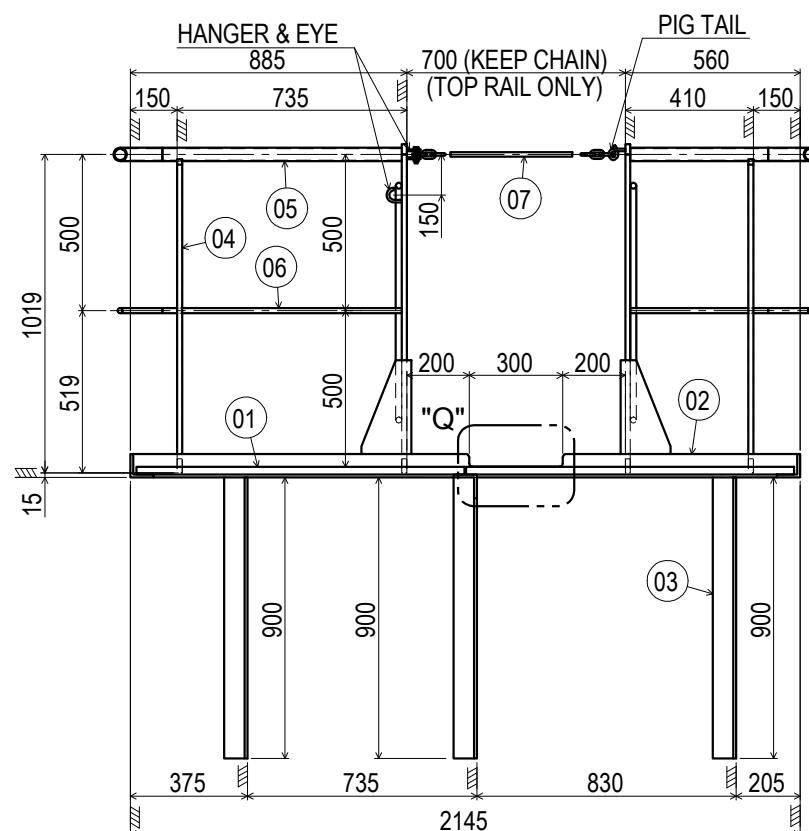
HANDRAIL PLAN



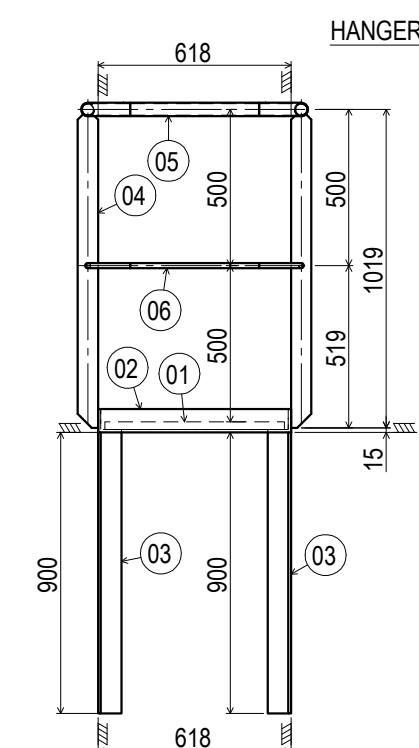
VIEW - "Y1"



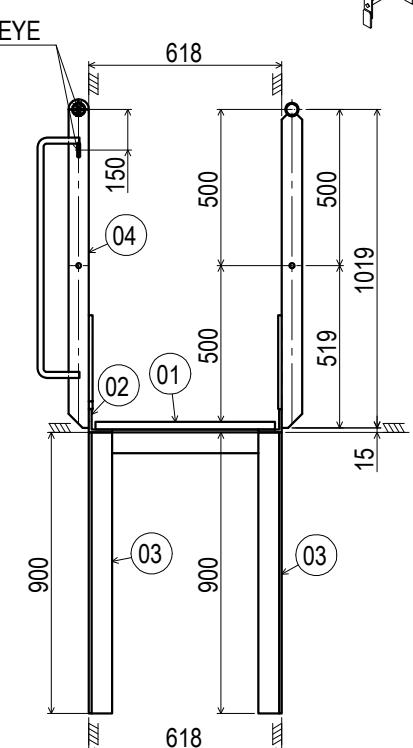
VIEW - "Y2"



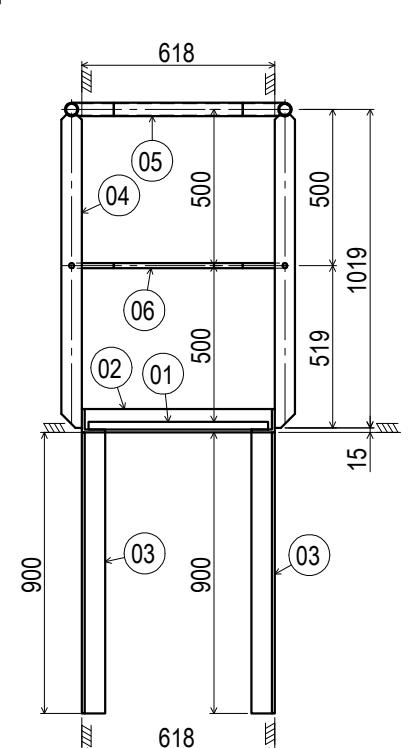
VIEW - "X1"



VIEW - "X2"



VIEW - "X3"



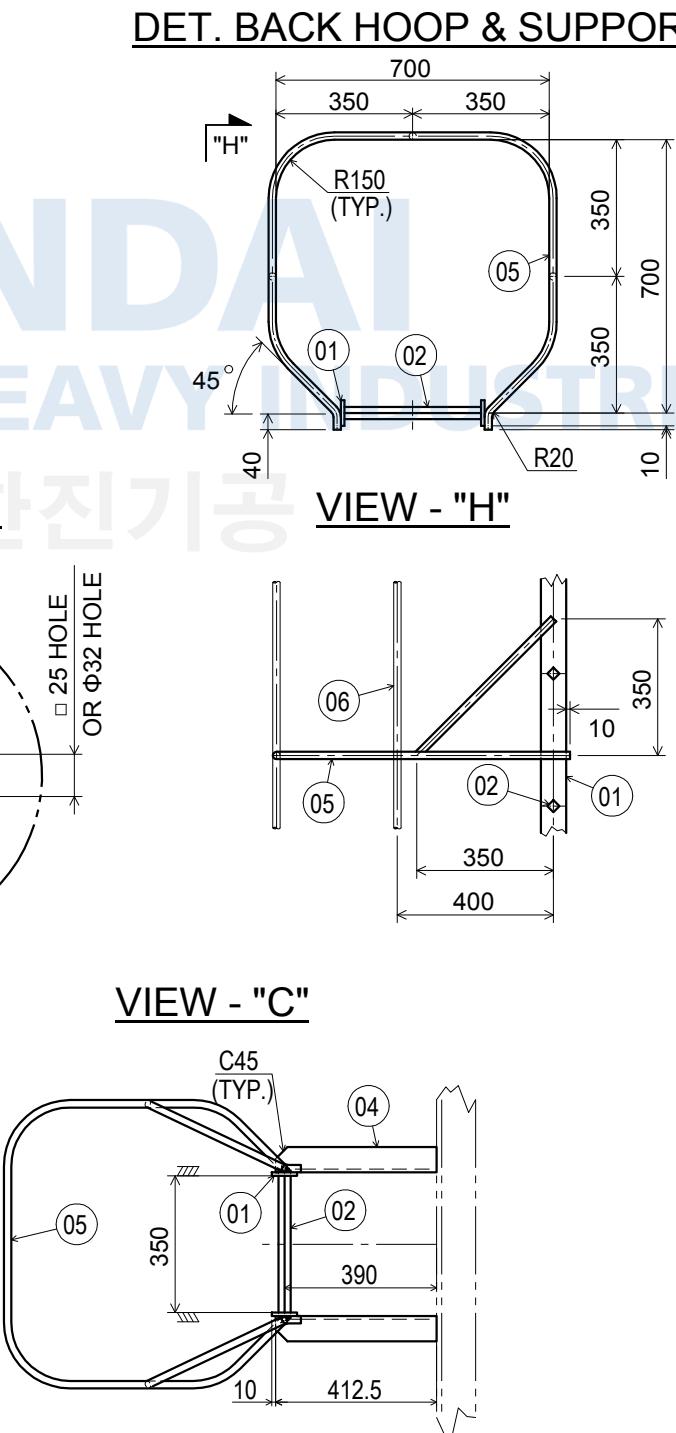
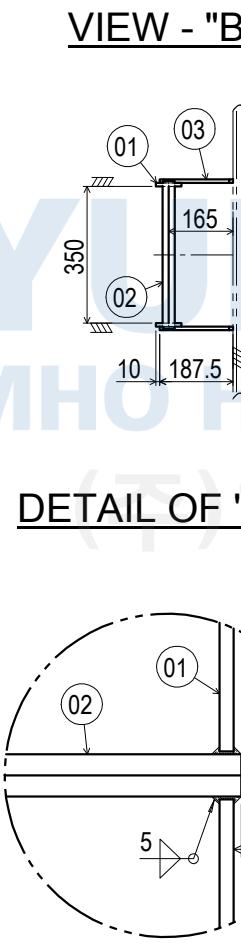
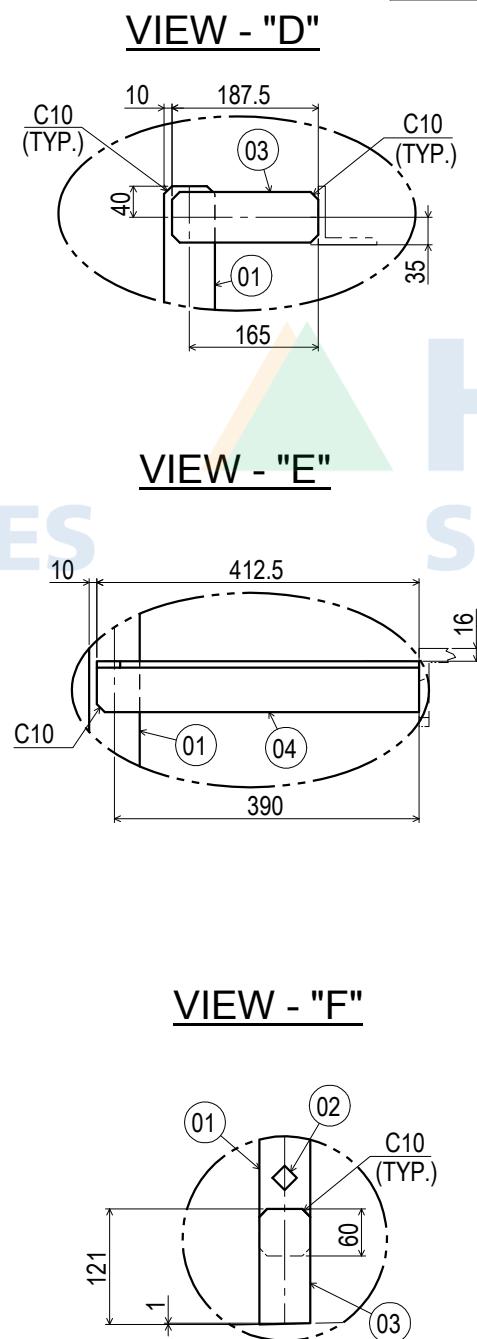
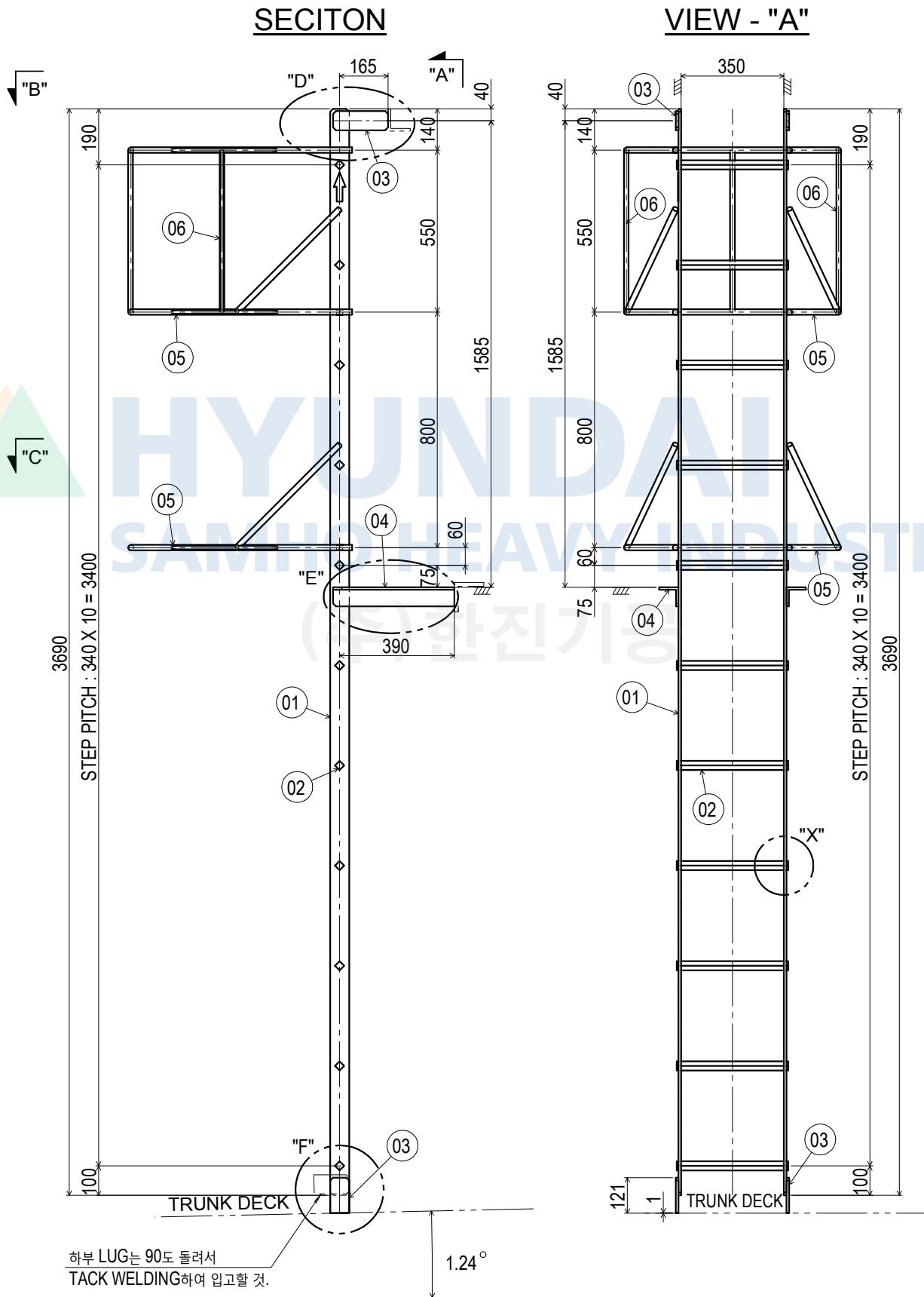


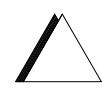
DETAIL OF VERTICAL LADDER (D35P0 - MU22U 물량, MARK NO. : VL-U10P)

SHIP NO.	8105/8106/8107	007
DWG NO.	D16C0-M34-56CB	/

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
01	SIDE FRAME	65 X 9t F.B	SS400	2		PAINT ONLY
02	STEP	22 SQ.BAR	SS400	11		PAINT ONLY
03	LUG	65 X 9t F.B	SS400	4		PAINT ONLY
04	LUG	65 X 65X 8t E.A	SS400	2		PAINT ONLY
05	BACK HOOP & SUPPORT	Φ19 R.BAR	SS400	3		PAINT ONLY
06	VERTICAL BAR	Φ19 R.BAR	SS400	3		PAINT ONLY

BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK
D35P0 (MU22U)	VL-U10P	1	80.0	본도 제작





DETAIL OF PLATFORM (D35S0-MU22U 물량, MARK NO. : PF-U10S)

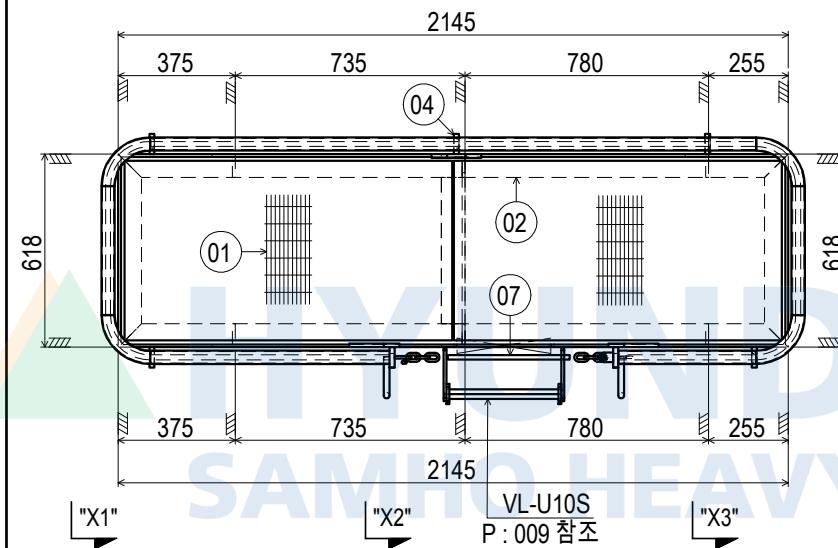
SHIP NO. 8105/8106/8107 008
DWG NO. D16C0-M34-56CB

NOTE

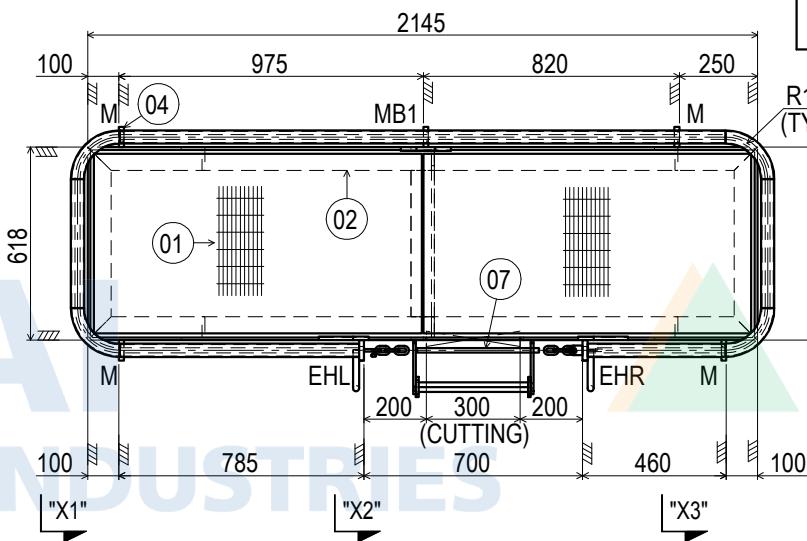
1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상)
단단히 묶어서 입고 할 것. (U10S-01)

배관 ITEM 설치하여 입고.

PLATFORM PLAN

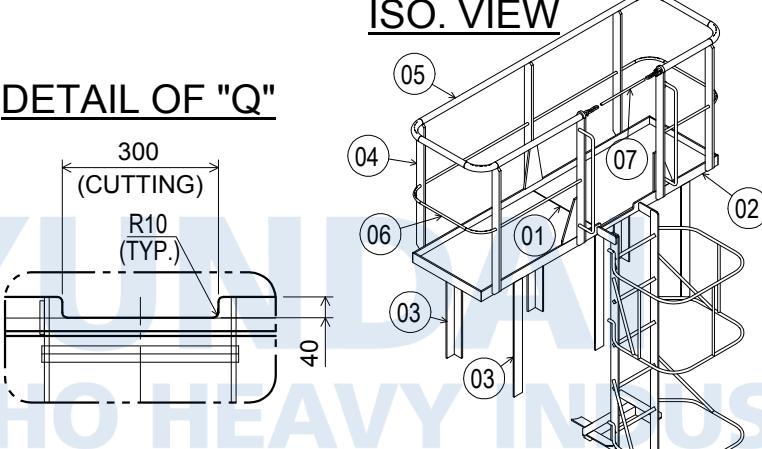


HANDRAIL PLAN



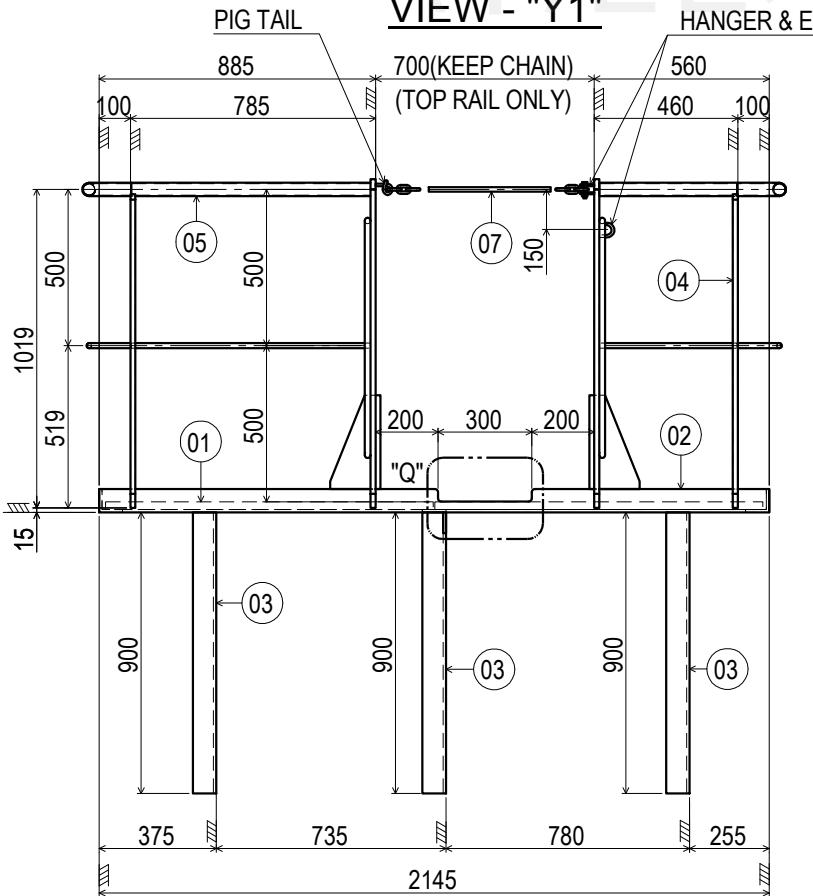
ISO. VIEW

DETAIL OF "Q"

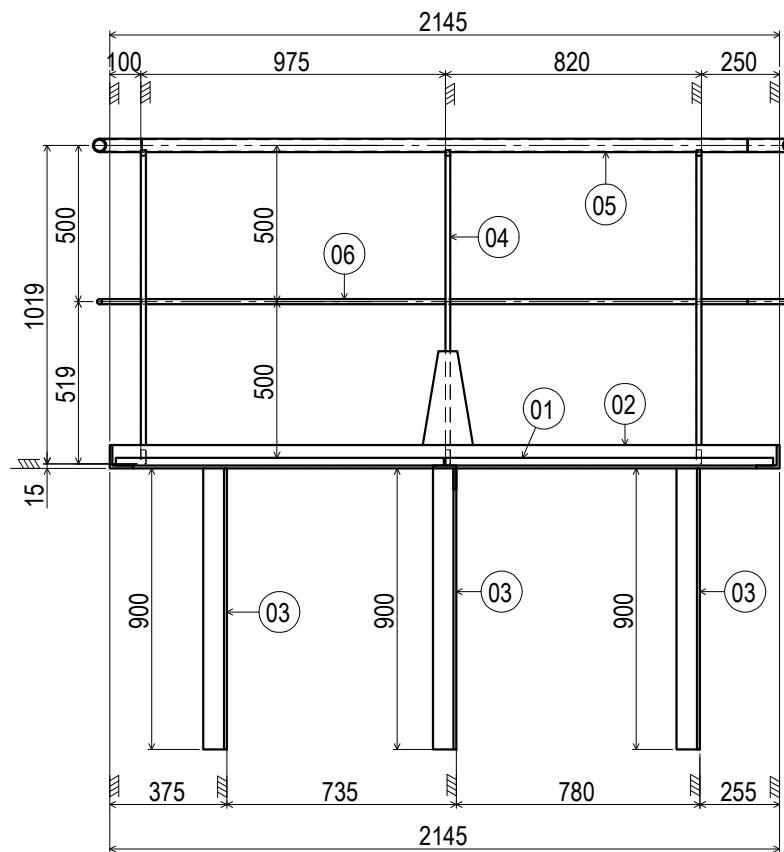


VL-U10S (LADDER)
PAGE : 009 참조

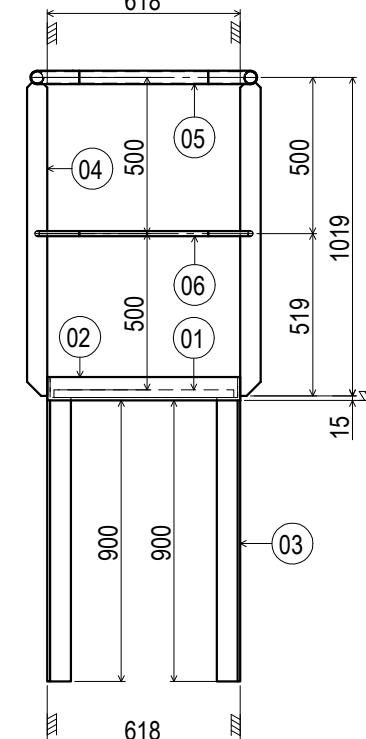
VIEW - "Y1"



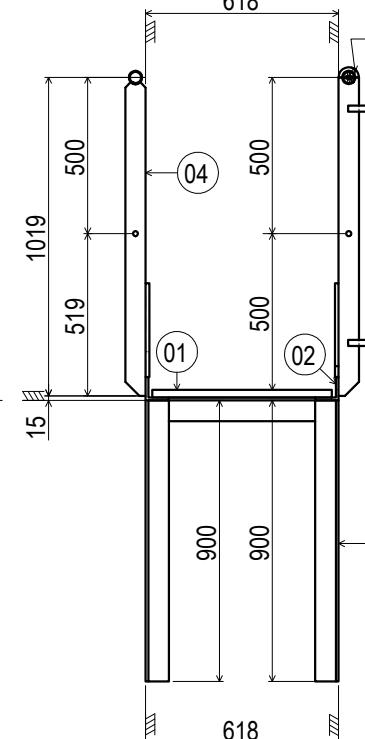
VIEW - "Y2"



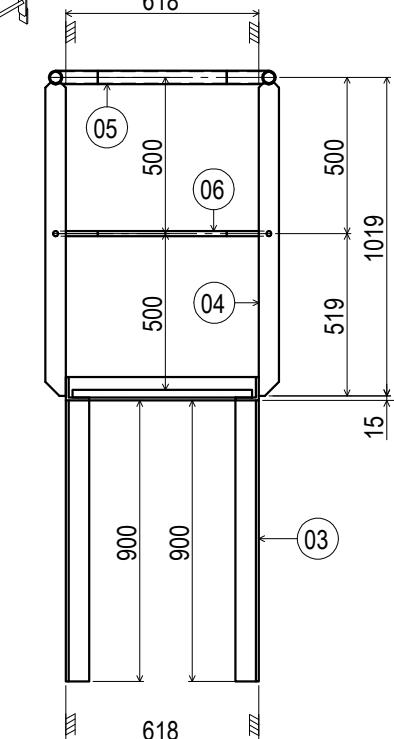
VIEW - "X1"

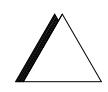


VIEW - "X2"



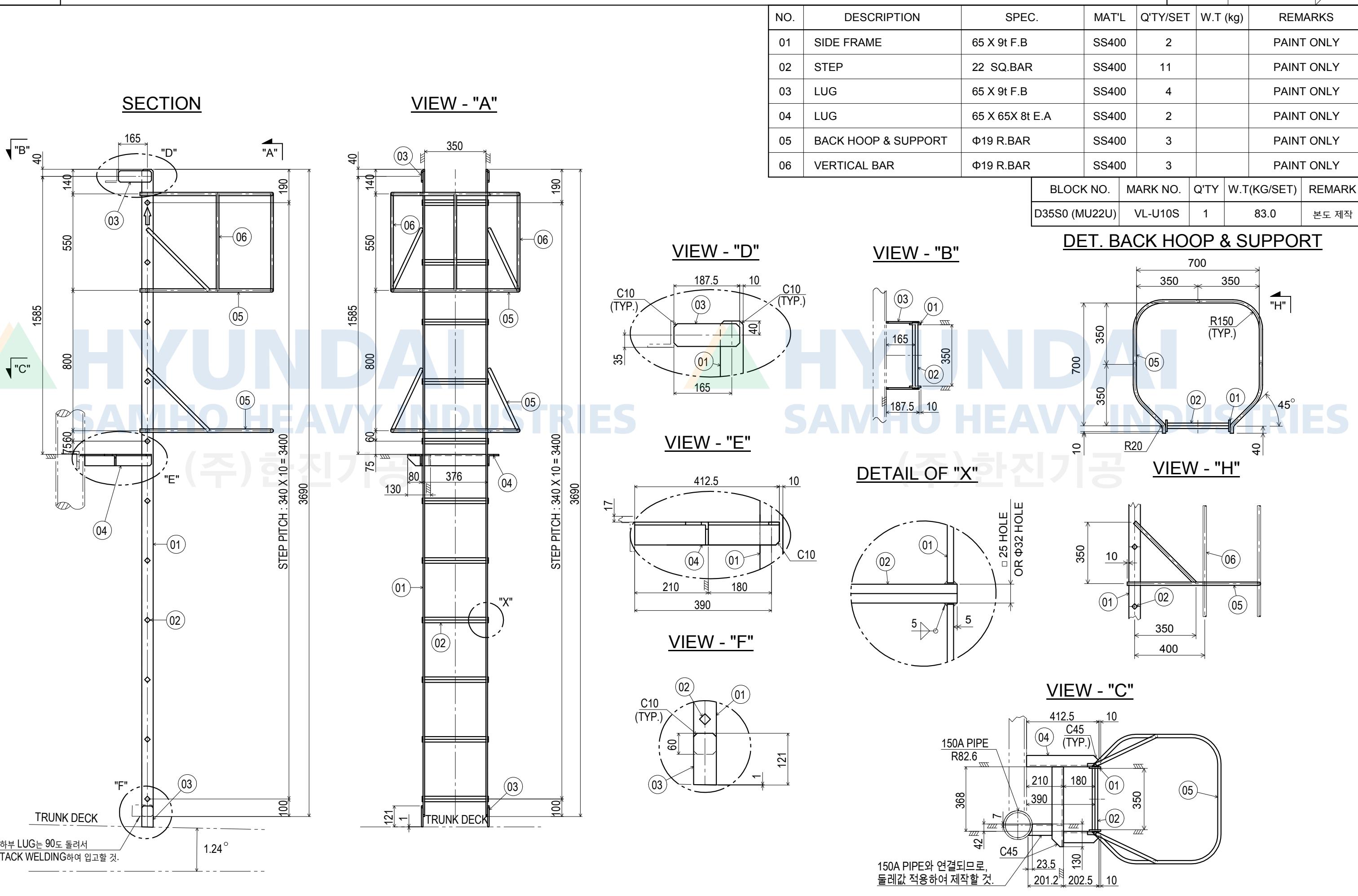
VIEW - "X3"

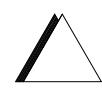




DETAIL OF VERTICAL LADDER (D35S0 - MU22U 물량, MARK NO. : VL-U10S)

SHIP NO. 8105/8106/8107 009
DWG NO. D16C0-M34-56CB





DETAIL OF PLATFORM (D36P0-MU22U 물량, MARK NO. : PF-U11P)

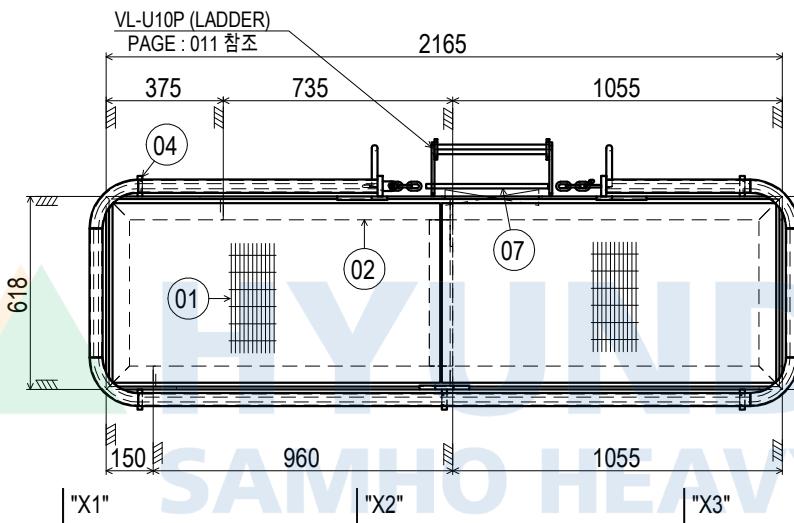
SHIP NO. 8105/8106/8107 010
DWG NO. D16C0-M34-56CB

NOTE

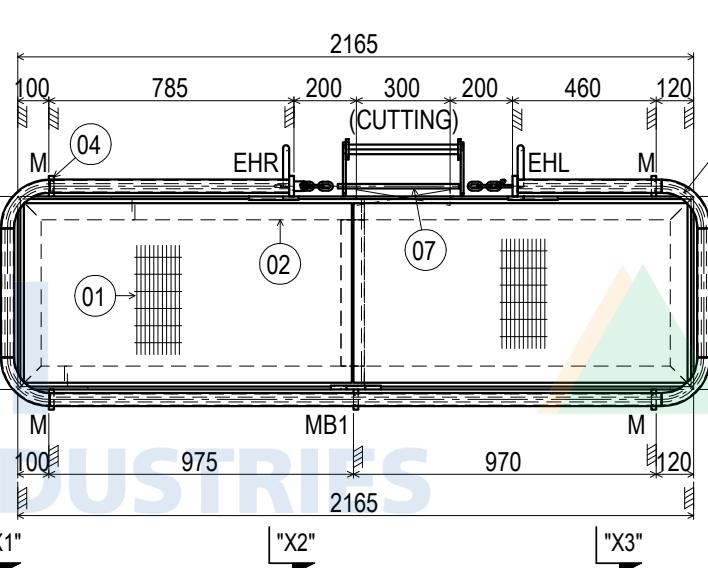
1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상)
단단히 묶어서 입고 할 것. (U11P-01~02)

배관 ITEM 설치하여 입고.

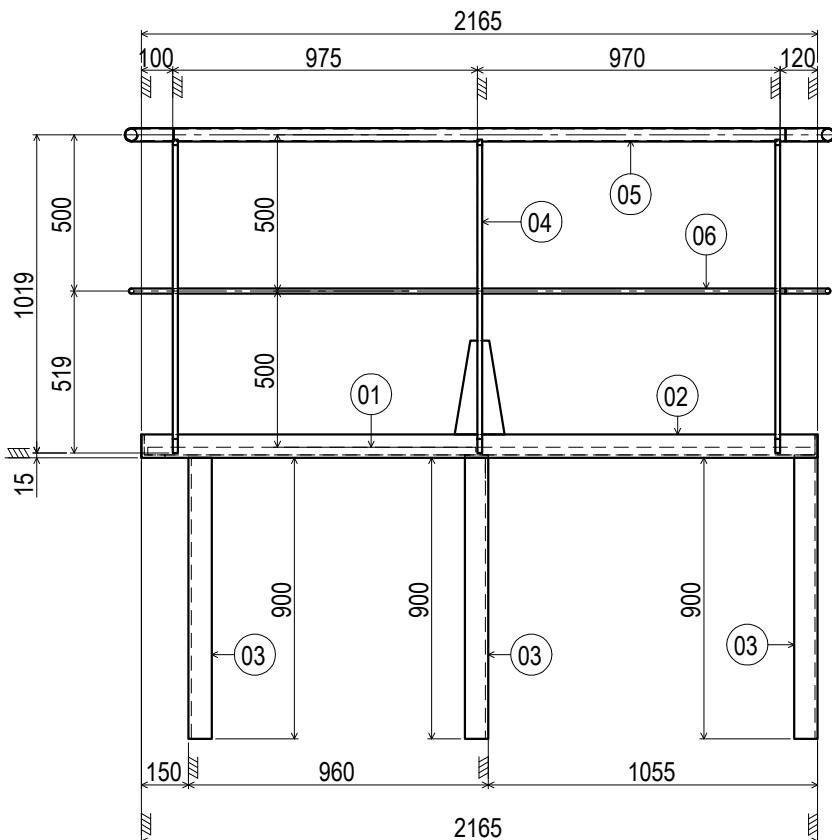
PLATFORM PLAN



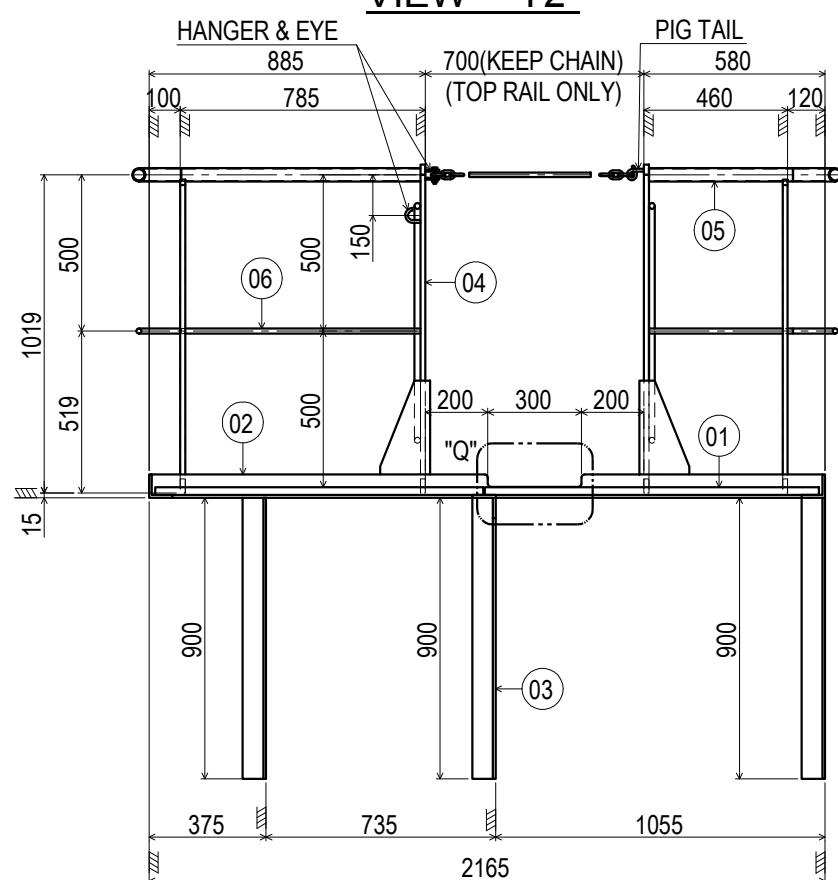
HANDRAIL PLAN



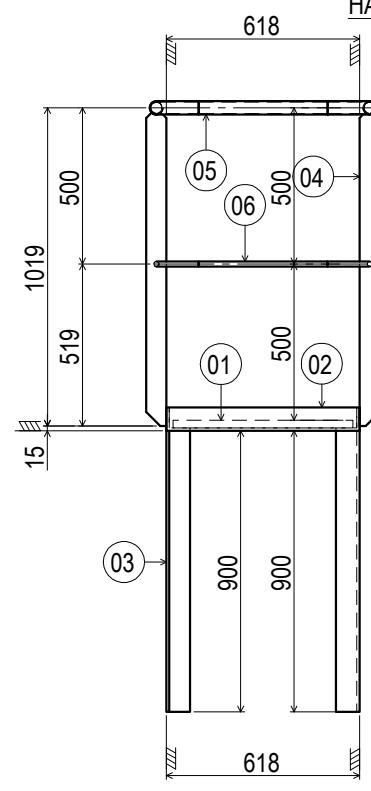
VIEW - "Y1"



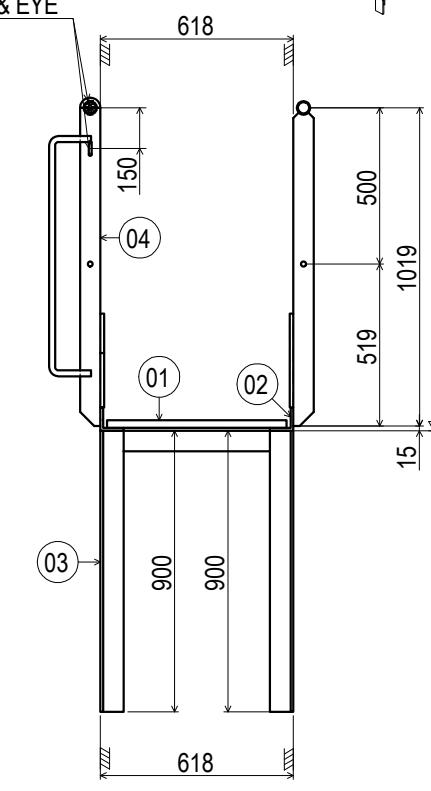
VIEW - "Y2"



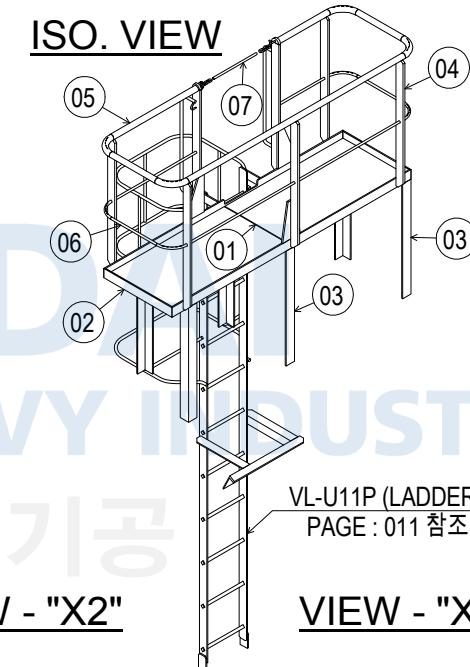
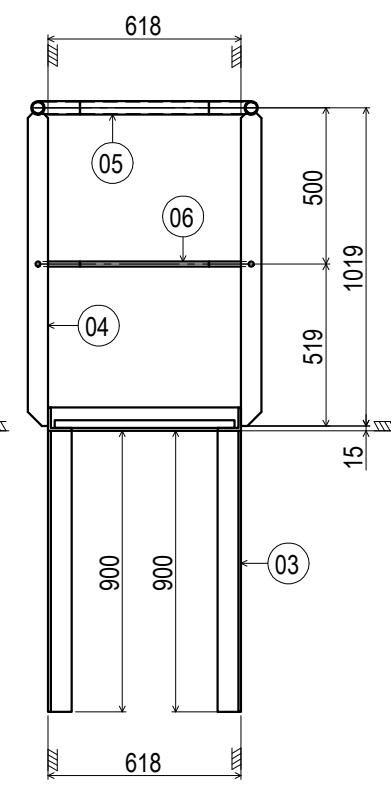
VIEW - "X1"

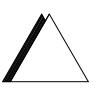


VIEW - "X2"



VIEW - "X3"



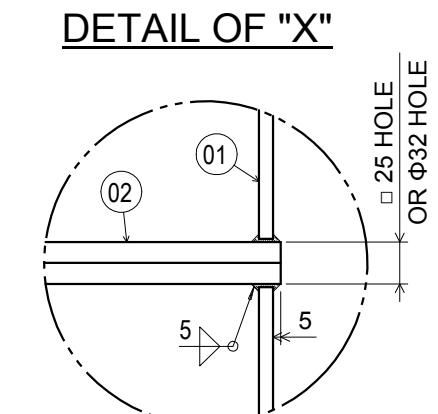
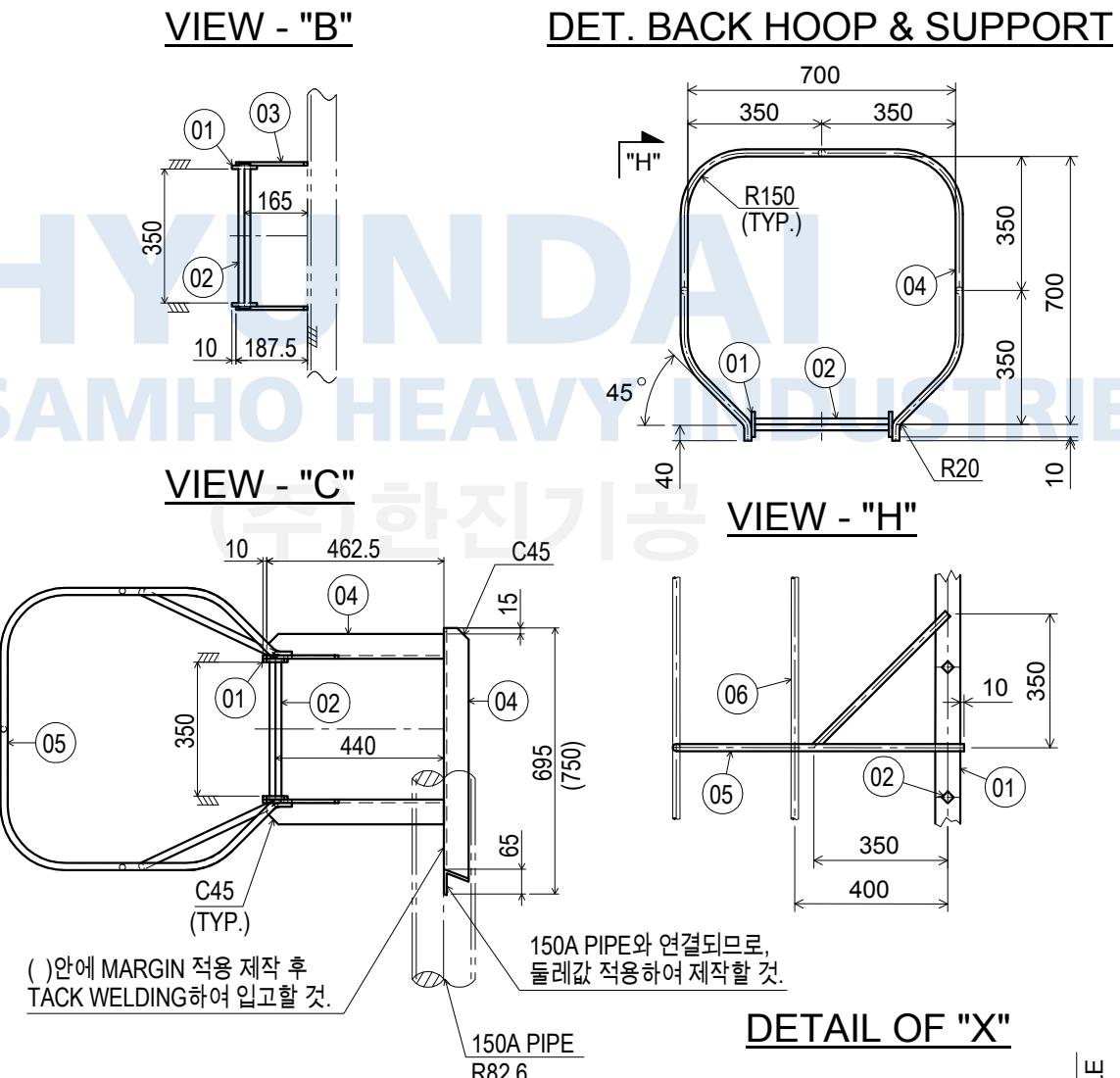
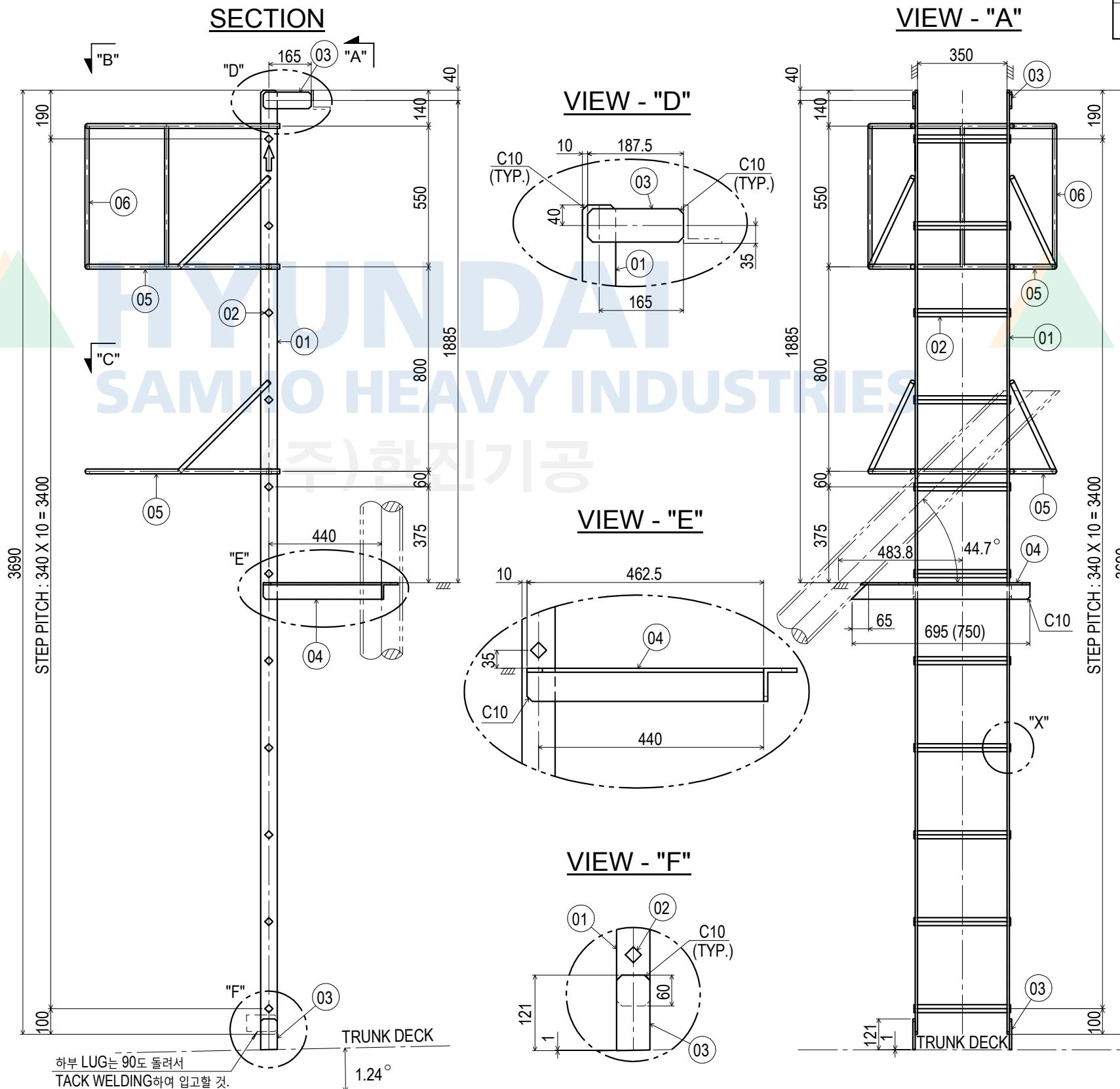


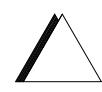
DETAIL OF VERTICAL LADDER (D36P0 - MU22U 물량, MARK NO. : VL-U11P)

SHIP NO.	8105/8106/8107	011
DWG NO.	D16C0-M34-56CB	

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
01	SIDE FRAME	65 X 9t F.B	SS400	2		PAINT ONLY
02	STEP	22 SQ.BAR	SS400	11		PAINT ONLY
03	LUG	65 X 9t F.B	SS400	4		PAINT ONLY
04	LUG	65 X 65X 8t E.A	SS400	2		PAINT ONLY
05	BACK HOOP & SUPPORT	Φ19 R.BAR	SS400	3		PAINT ONLY
06	VERTICAL BAR	Φ19 R.BAR	SS400	3		PAINT ONLY

	BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK
	D36P0 (MU22U)	VL-U11P	1	86.0	본도 제작





DETAIL OF PLATFORM (D36S0-MU22U 물량, MARK NO. : PF-U11S)

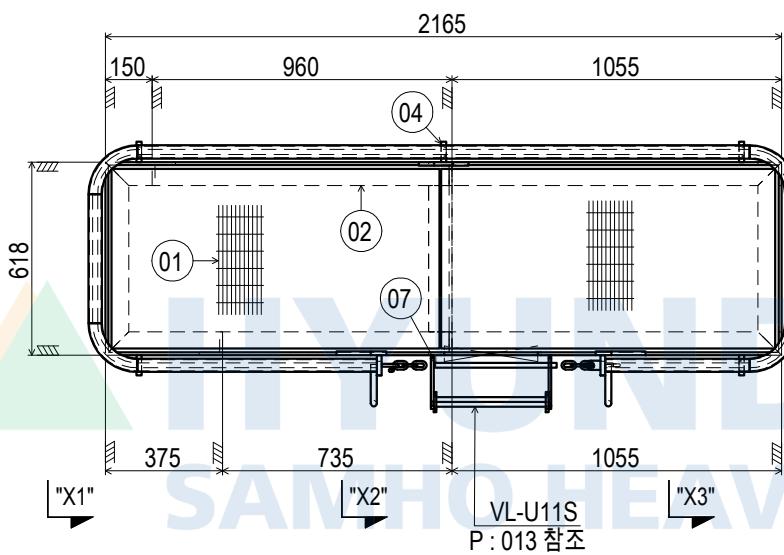
SHIP NO. 8105/8106/8107 012
DWG NO. D16C0-M34-56CB

NOTE

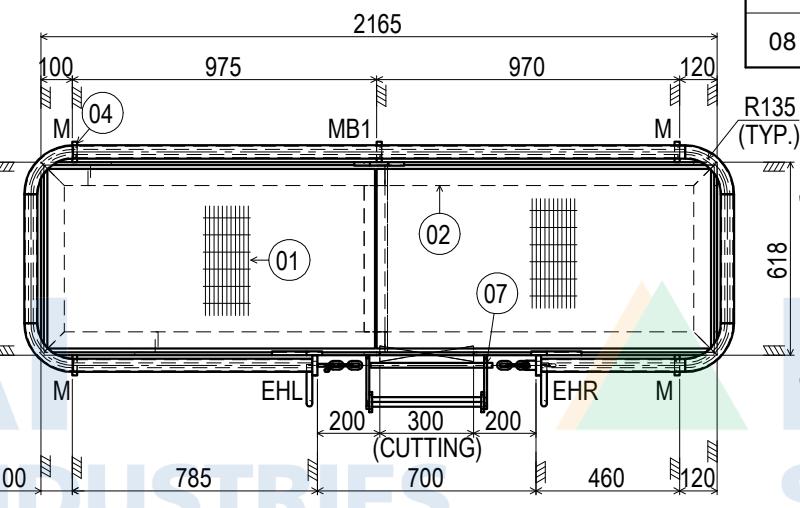
1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상)
단단히 묶어서 입고 할 것. (U11S-01~02)

배관 ITEM 설치하여 입고.

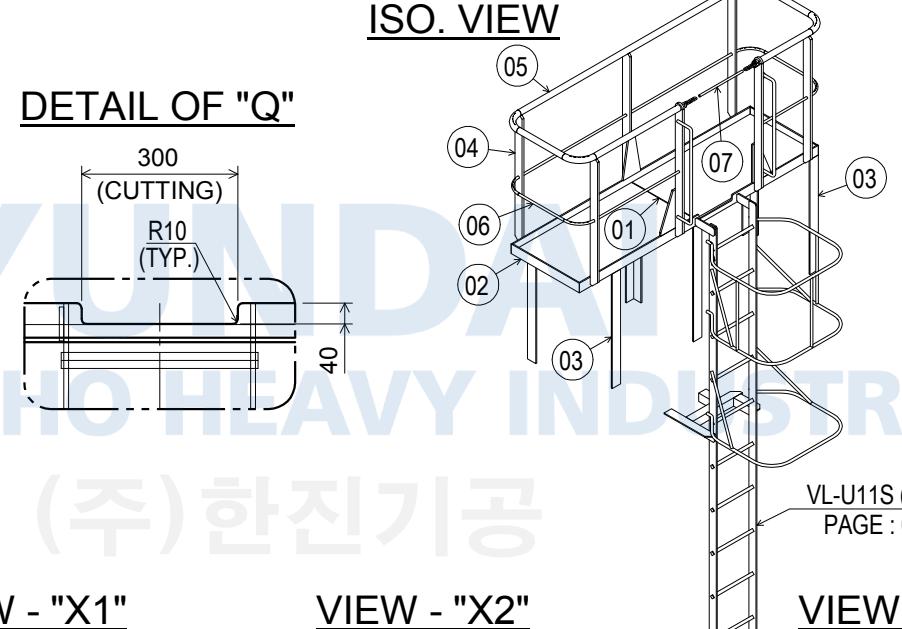
PLATFORM PLAN



HANDRAIL PLAN

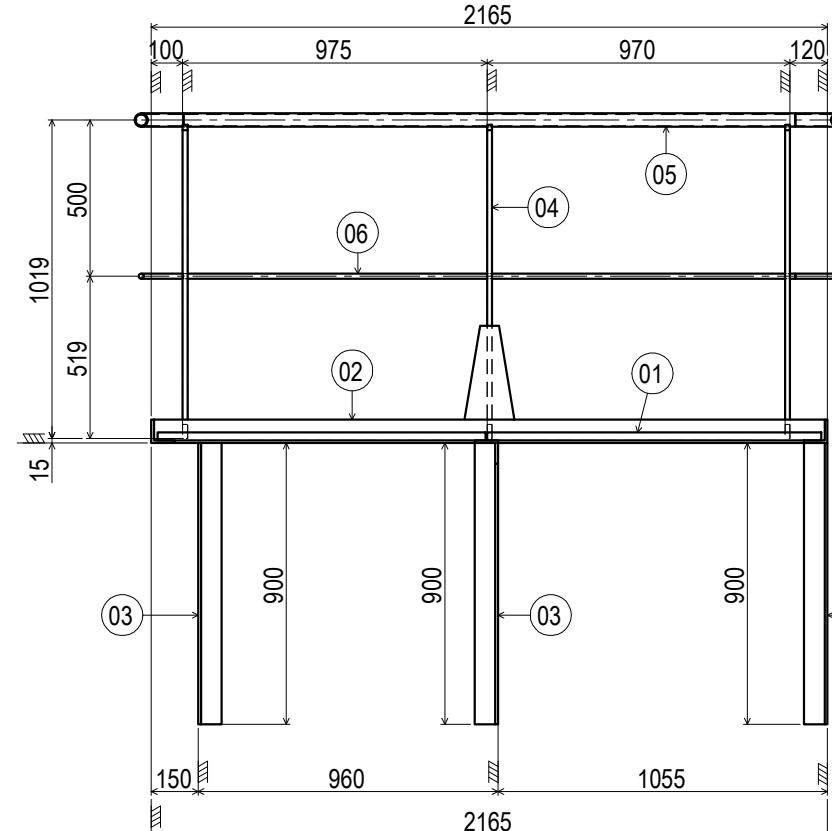


ISO. VIEW

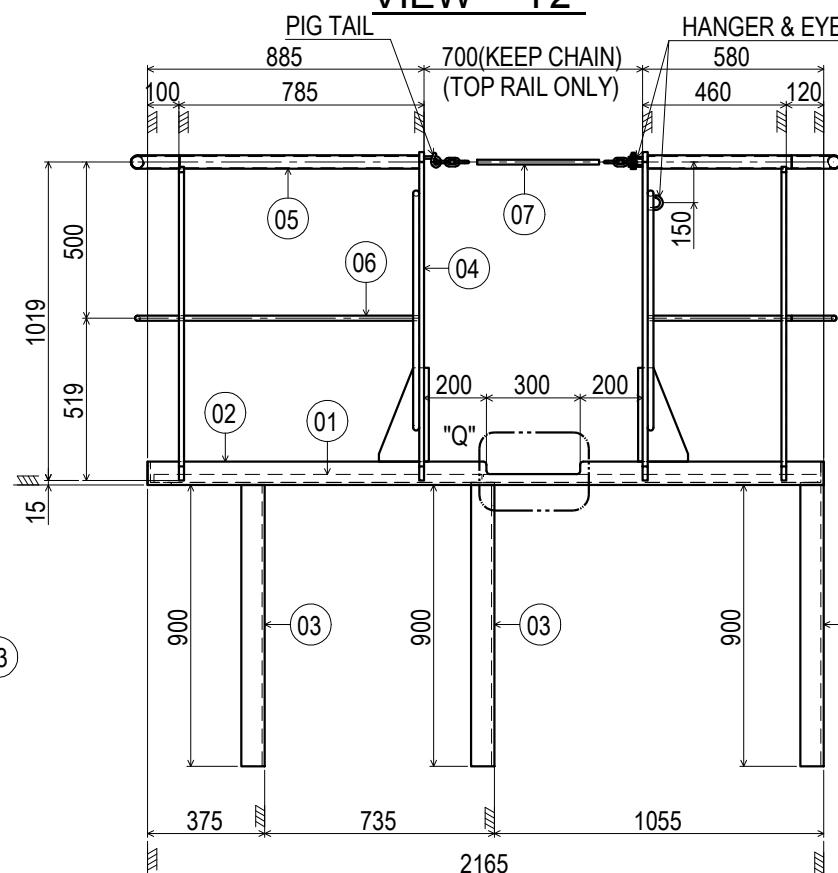


DETAIL OF "Q"

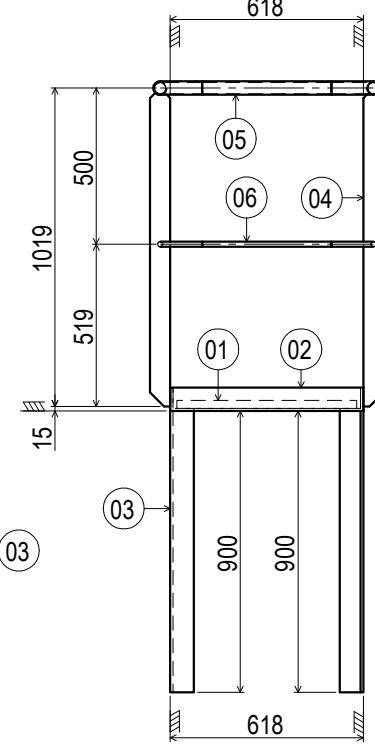
VIEW - "Y1"



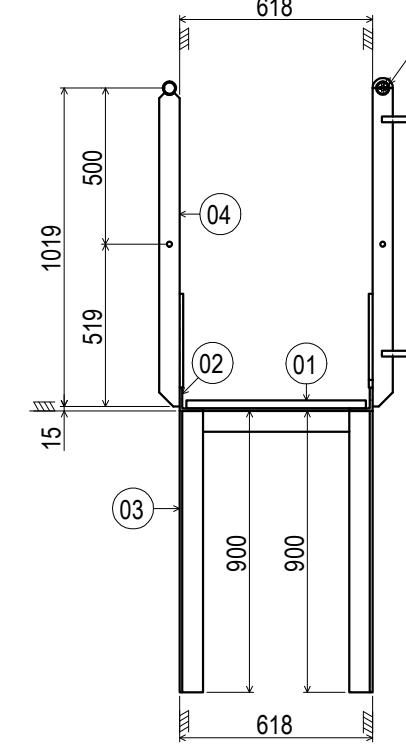
VIEW - "Y2"



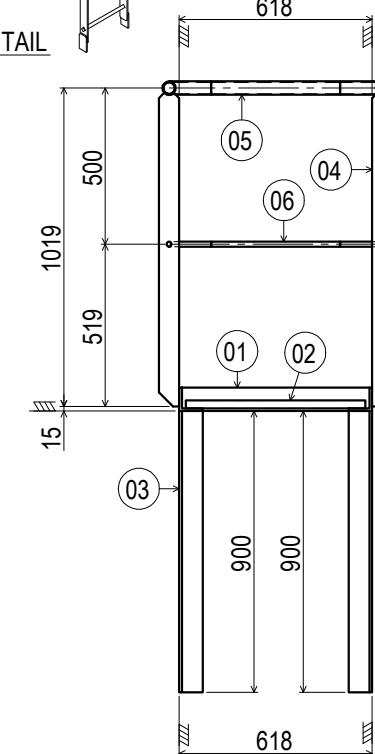
VIEW - "X1"



VIEW - "X2"



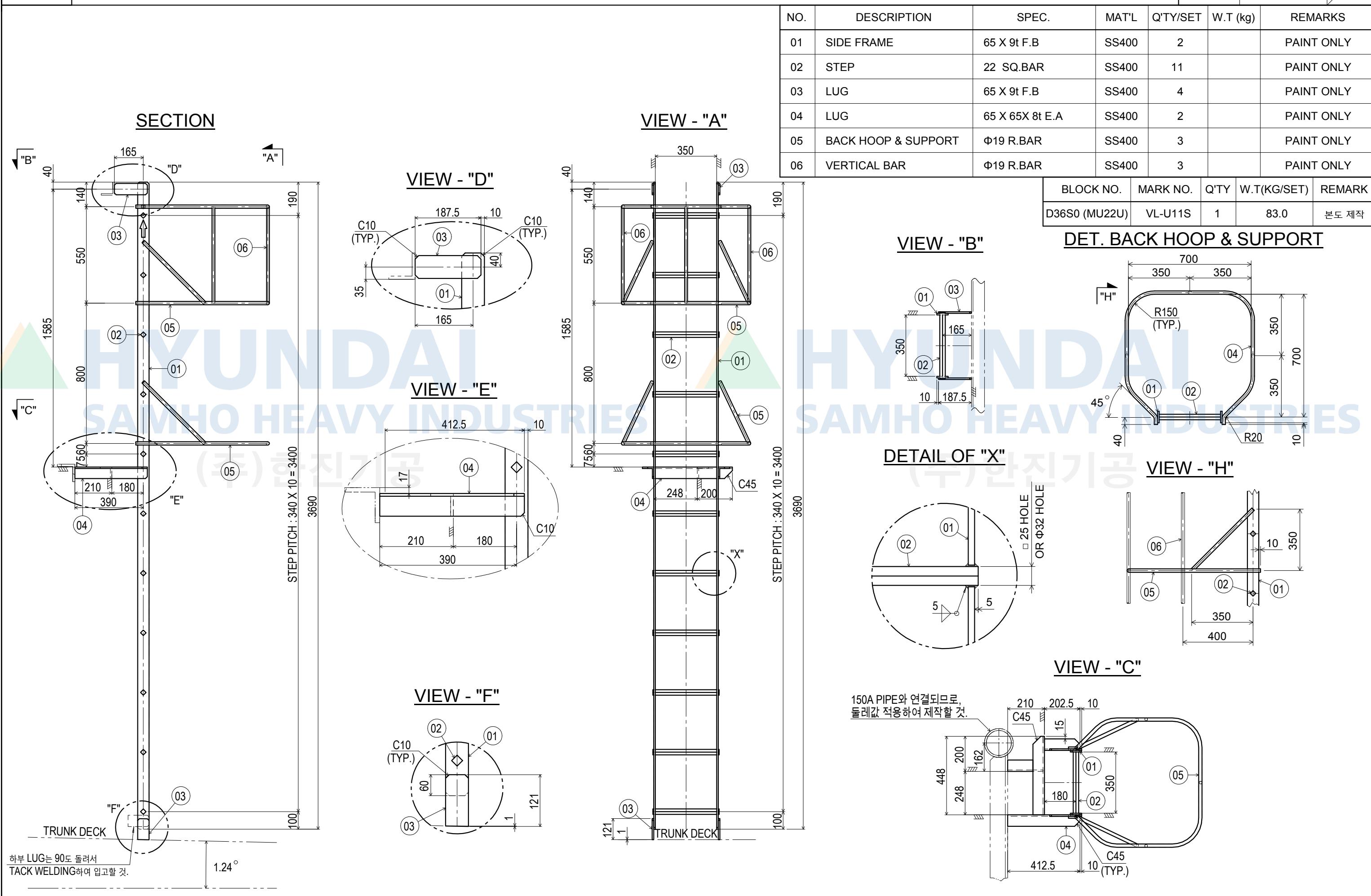
VIEW - "X3"





DETAIL OF VERTICAL LADDER (D36S0 - MU22U 물량, MARK NO. : VL-U11S)

SHIP NO. 8105/8106/8107 013
DWG NO. D16C0-M34-56CB





DETAIL OF PLATFORM (D15C0-MU22U 물량, MARK NO. : PF-U12C) (1/2)

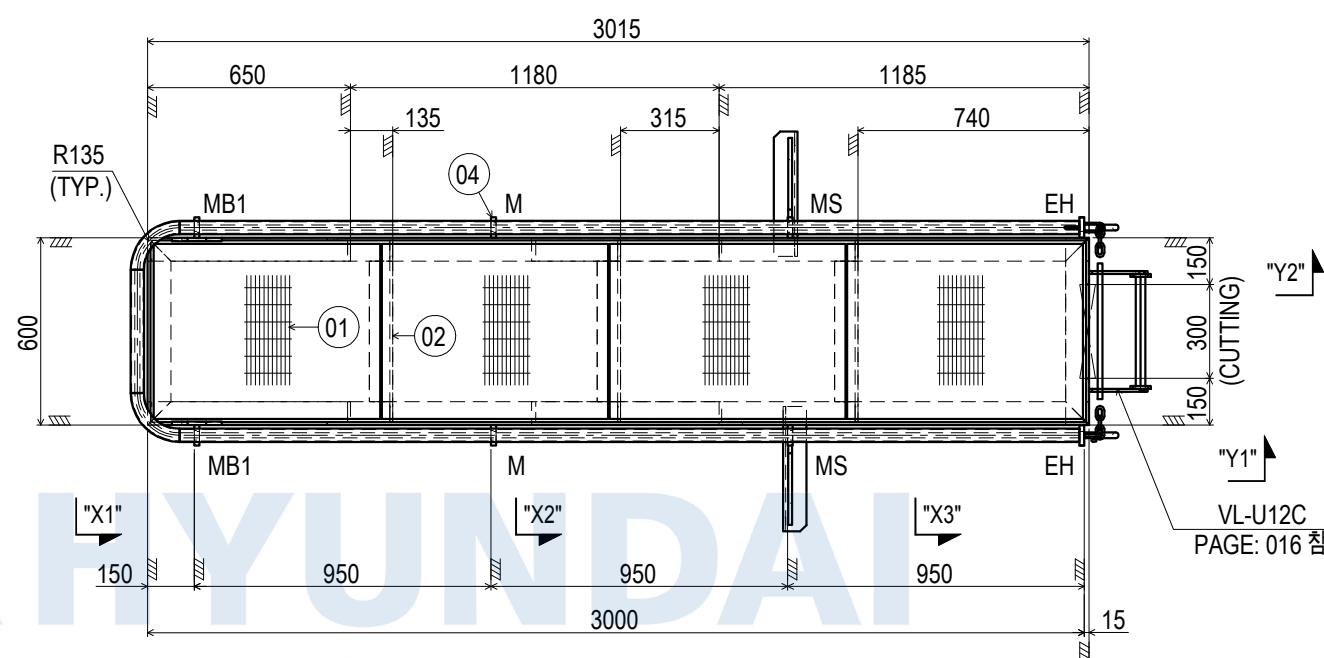
SHIP NO. 8105/8106/8107 014
DWG NO. D16C0-M34-56CB

NOTE

1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상)
단단히 묶어서 입고 할 것. (U12C-01~02)

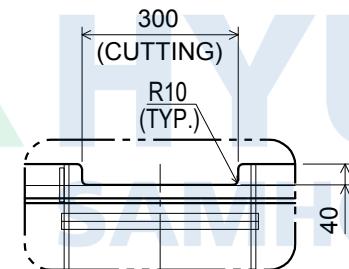
BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK	NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
D15C0 (MU22)	PF-U12C	1	371.0	분도 제작	01	OPEN GRATING	PAGE : 022 참조		4		별도 POR 발행 (사급) (U12C - 01 ~ 02)
					02	FRAME	75 X 75 X 9t E.A	SS400	1		
					03	SUPPORT	75 X 75 X 9t E.A	SS400	11		
					04	STANCHION	65 X 16t F.B	SS400	8		PAINT ONLY
					05	TOP RAIL	32A PIPE	S.P.P	1		PAINT ONLY
					06	MID RIAL	Φ16 R.BAR	SS400	1		PAINT ONLY
					07	VERTICAL LADDER	PAGE : 015 참조		1		PAINT ONLY
					08	KEEP CHAIN	PAGE : 002 참조		1		GALV.
					09	배관 ITEM	유첨 도면 참조			53.5	
					10	전장 ITEM	유첨 도면 참조			4.36	

PLAN

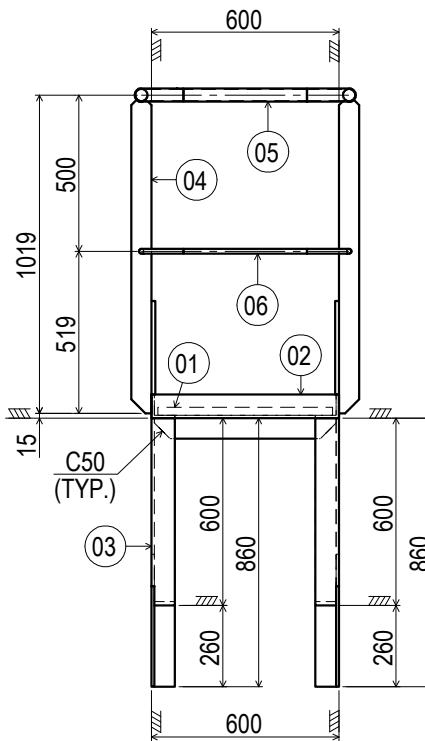


배관 & 전장 ITEM 설치하여 입고.

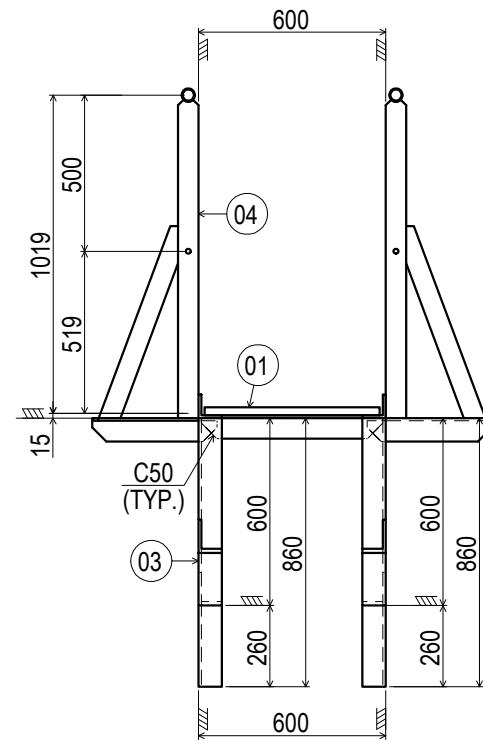
DETAIL OF "Q"



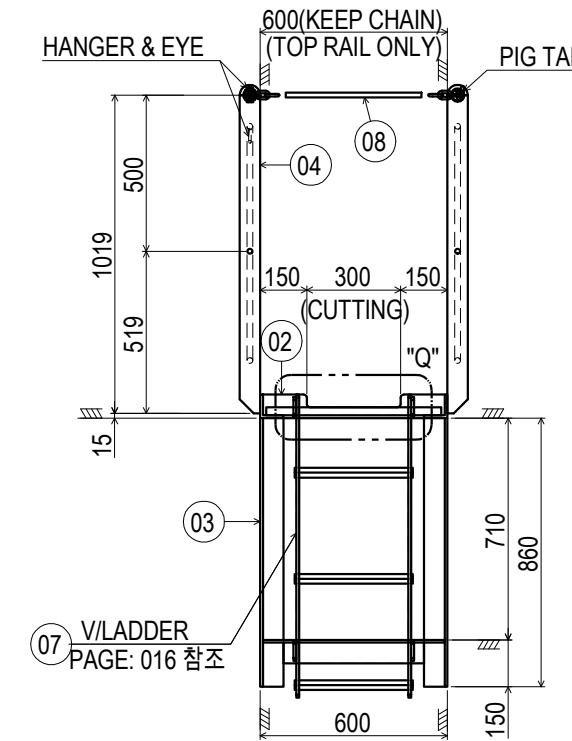
VIEW - "X1"



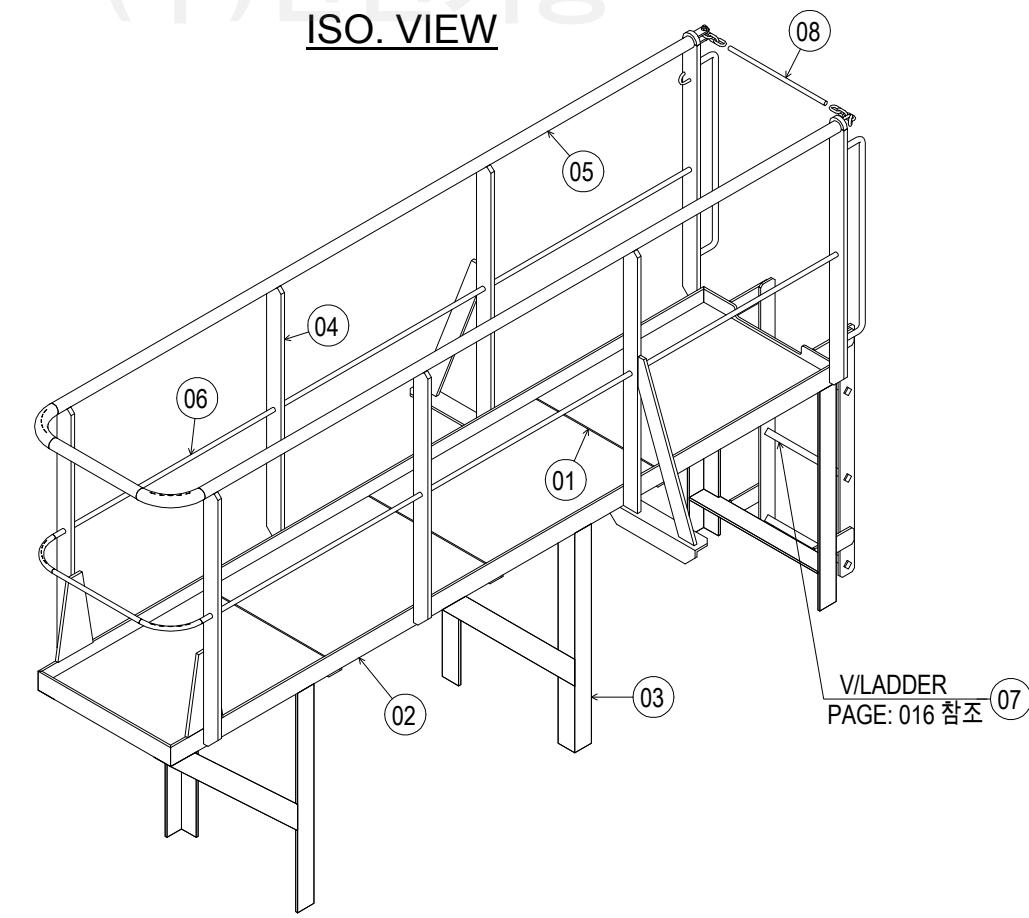
VIEW - "X2"

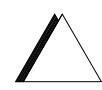


VIEW - "X3"



ISO. VIEW





DETAIL OF PLATFORM (D15C0-MU22U 물량, MARK NO. : PF-U12C) (2/2)

SHIP NO. 8105/8106/8107 015
DWG NO. D16C0-M34-56CB

배관 & 전장 ITEM 설치하여 입고.							BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK	NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
							D15C0 (MU22U)	PF-U12C	1	371.0	본도 제작	01	SIDE FRAME	65 X 9t F.B	SS400	2		PAINT ONLY
<u>VIEW - "Y1"</u>																		
							02	STEP	22 SQ.BAR	SS400	3						PAINT ONLY	
							03	LUG	65 X 9t F.B	SS400	4						PAINT ONLY	
<u>VIEW - "Y2"</u>																		
							04	HANGER & EYE	22 SQ.BAR	SS400	3						PAINT ONLY	
							05	PIG TAIL	65 X 9t F.B	SS400	2						PAINT ONLY	
NOTE																		
1. PLATFORM (PF-U12C) 물량에 포함																		
<u>PLAN</u>																		
							01	PIG TAIL	65 X 9t F.B	SS400	2							
							02	STEP	22 SQ.BAR	SS400	3						PAINT ONLY	
<u>DETAIL OF LUG</u>																		
							03	C10 (TYP.)	65	187.5								
<u>DETAIL OF "Y"</u>																		
							01	V/LADDER	65 X 9t F.B	SS400	2							
<u>VIEW - "A"</u>																		
							02	PIG TAIL	65 X 9t F.B	SS400	2							
<u>VIEW - "B"</u>																		
							03	C10 (TYP.)	65	187.5								
STEP PITCH : 340 X2 = 680																		
HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD.																		



DETAIL OF PLATFORM (D16C0-MU22U 물량, MARK NO. : PF-U13C) (1/3)

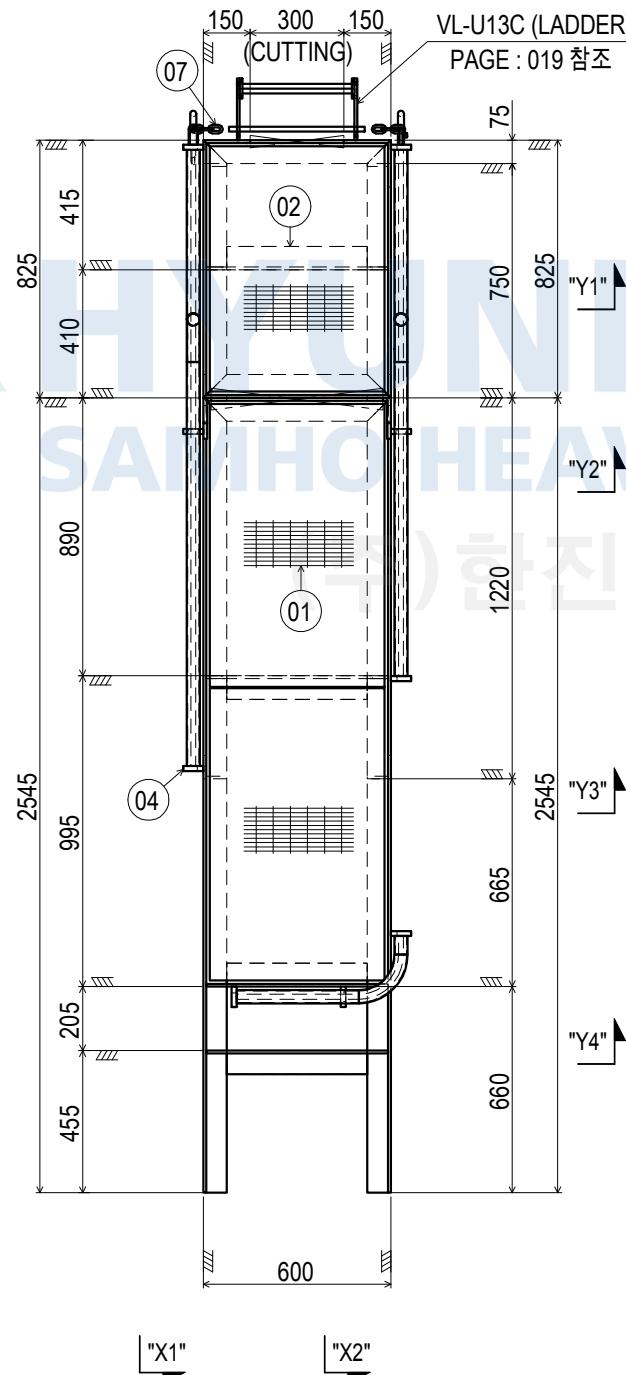
SHIP NO.	8105/8106/8107	016
DWG NO.	D16C0-M34-56CB	

NOTE

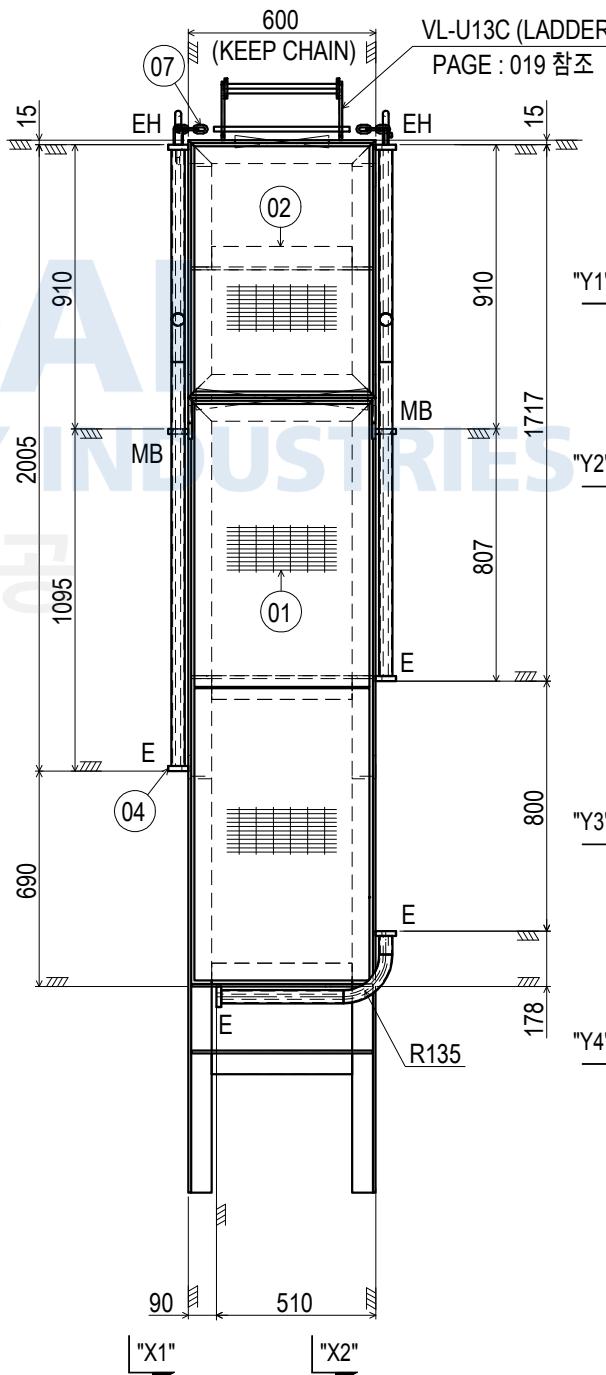
1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상) 단단히 묶어서 입고 할 것. (U13C-01~03)

배관 ITEM 설치하여 입고.

PLATFORM PLAN

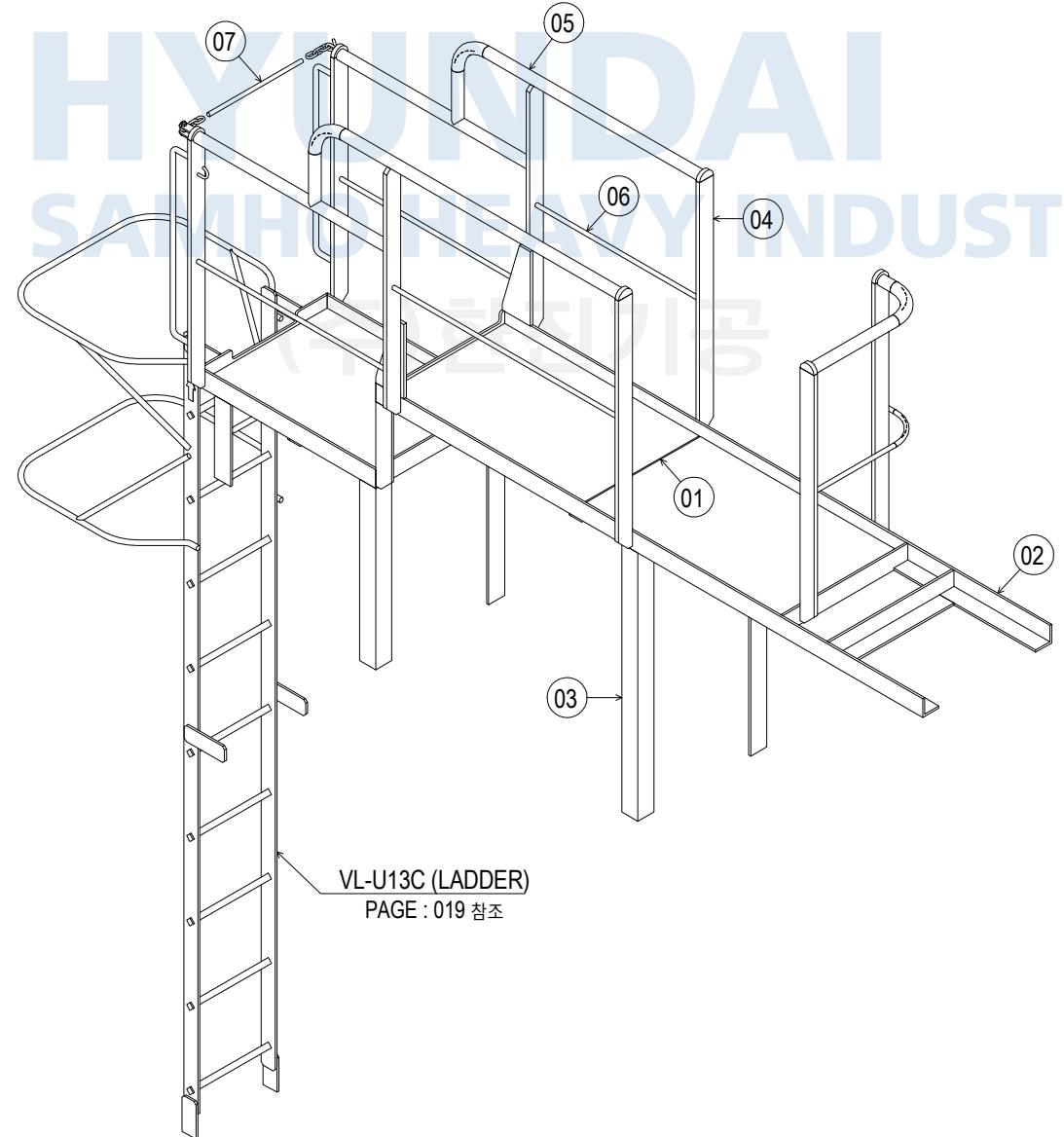


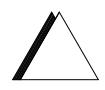
HANDRAIL PLAN



BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK	NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
D16C0 (MU22U)	PF-U13C	1	274.5	본도 제작	01	OPEN GRATING	PAGE : 022 참조		3		별도 POR 발행 (사급) (U13C - 01)
배관 ITEM 설치하여 입고.					02	FRAME	75 X 75 X 9t E.A	SS400	1		
					03	SUPPORT	75 X 75 X 9t E.A	SS400	8		
					04	STANCHION	65 X 16t F.B	SS400	8		PAINT ONLY
					05	TOP RAIL	32A PIPE	S.P.P	1		PAINT ONLY
					06	MID RIAL	Φ16 R.BAR	SS400	1		PAINT ONLY
					07	KEEP CHAIN	PAGE : 002 참조		1		GALV.
					08	ANTI-VIBRATION	Φ19 R.BAR (L=800)	SS400	1		PAINT ONLY
					09	배관 ITEM	유첨 도면 참조			23.4	

ISO. VIEW





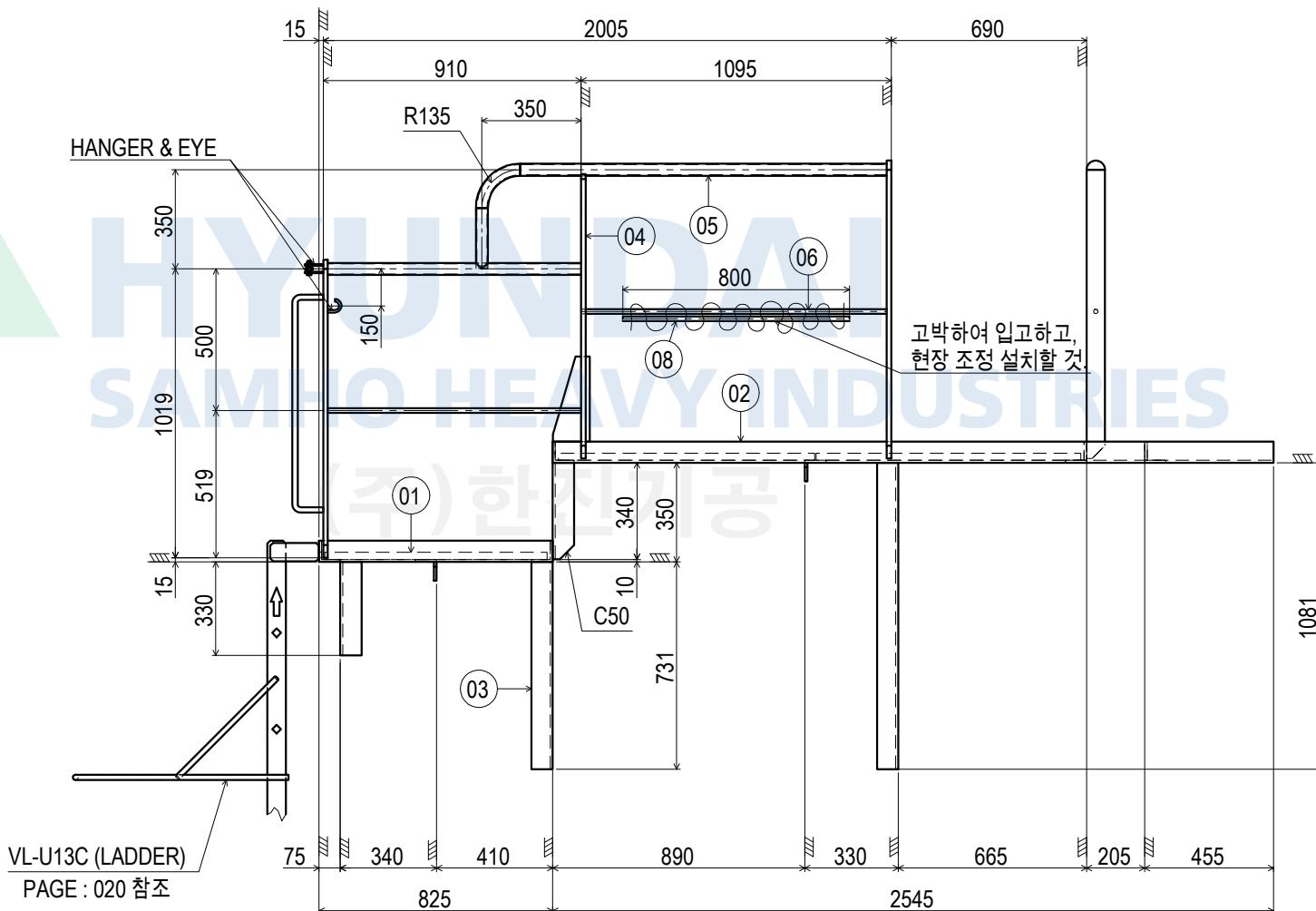
DETAIL OF PLATFORM (D16C0-MU22U 물량, MARK NO. : PF-U13C) (2/3)

SHIP NO.	8105/8106/8107	017
DWG NO.	D16C0-M34-56CB	

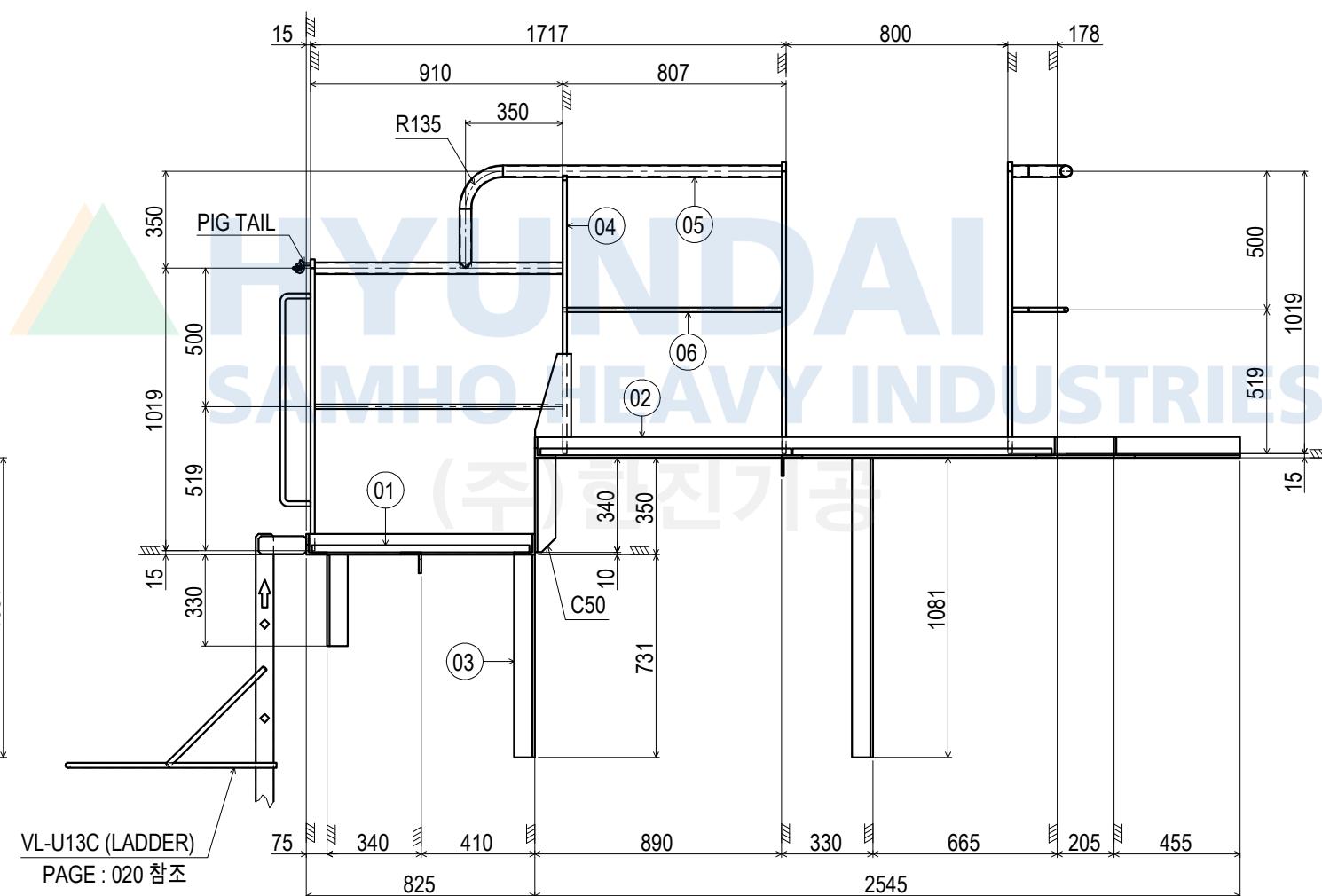
배관 ITEM 설치하여 입고.

BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK
D16C0 (MU22U)	PF-U13C	1	274.5	본도 제작

VIEW - "X1"



VIEW - "X2"





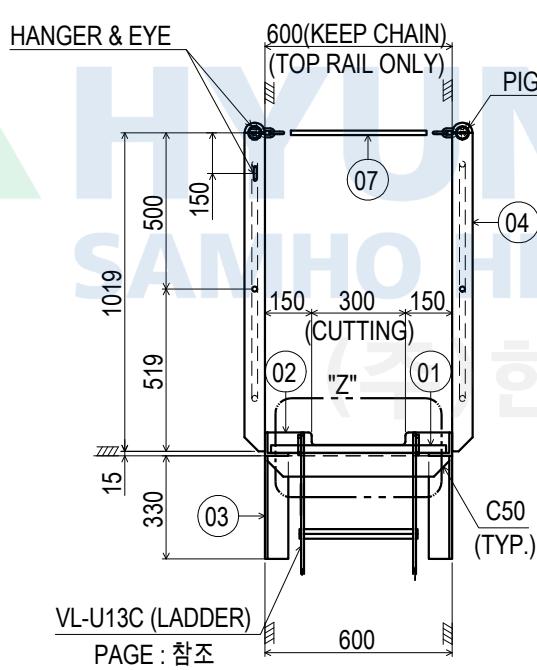
DETAIL OF PLATFORM (D16C0-MU22U 물량, MARK NO. : PF-U13C) (3/3)

SHIP NO.	8105/8106/8107	018
DWG NO.	D16C0-M34-56CB	

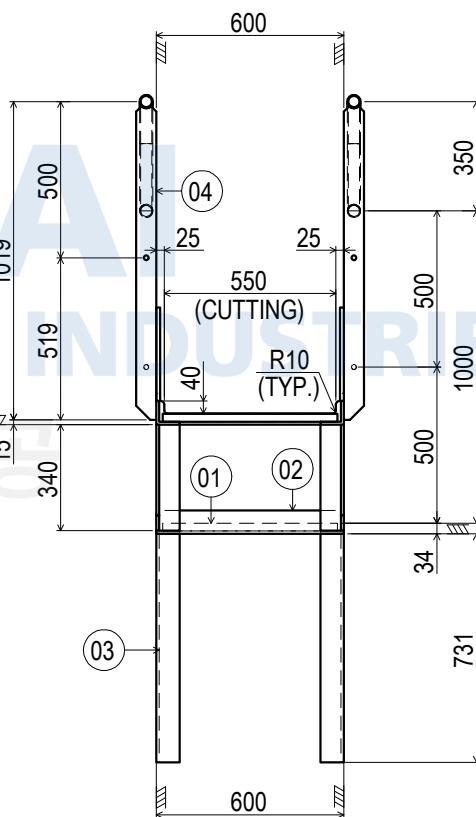
배관 ITEM 설치하여 입고.

BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK
D16C0 (MU22U)	PF-U13C	1	274.5	본도 제작

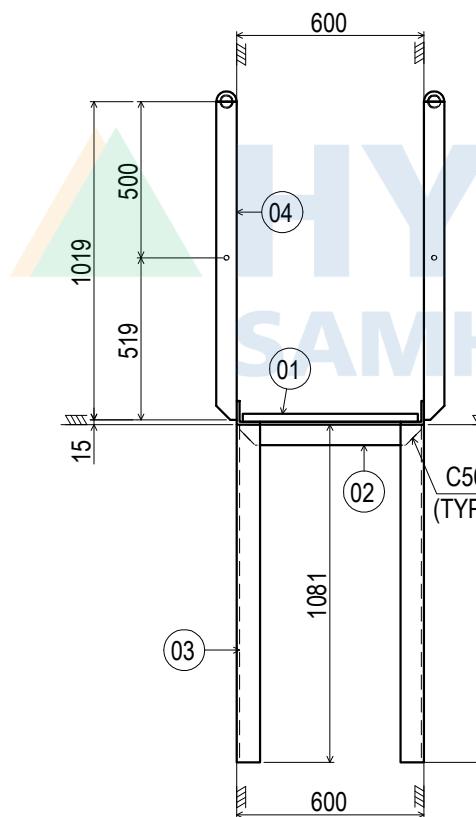
VIEW - "Y1"



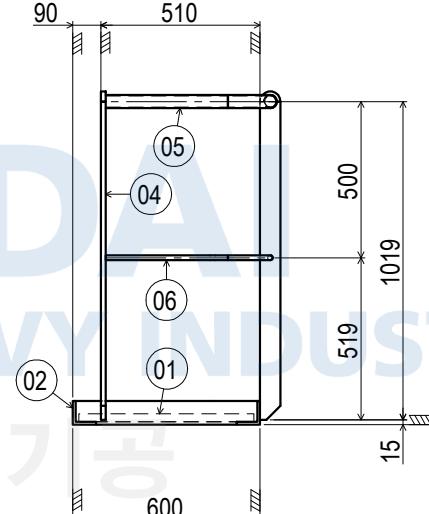
VIEW - "Y2"



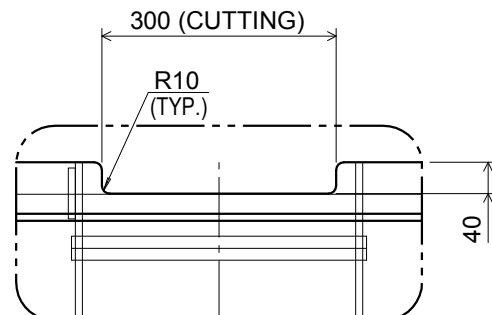
VIEW - "Y3"



VIEW - "Y4"



DETAIL OF "Z"





DETAIL OF VERTICAL LADDER (D16C0 - MU22U 물량, MARK NO. : VL-U13C)

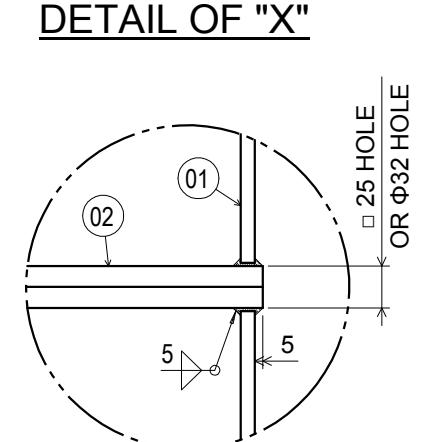
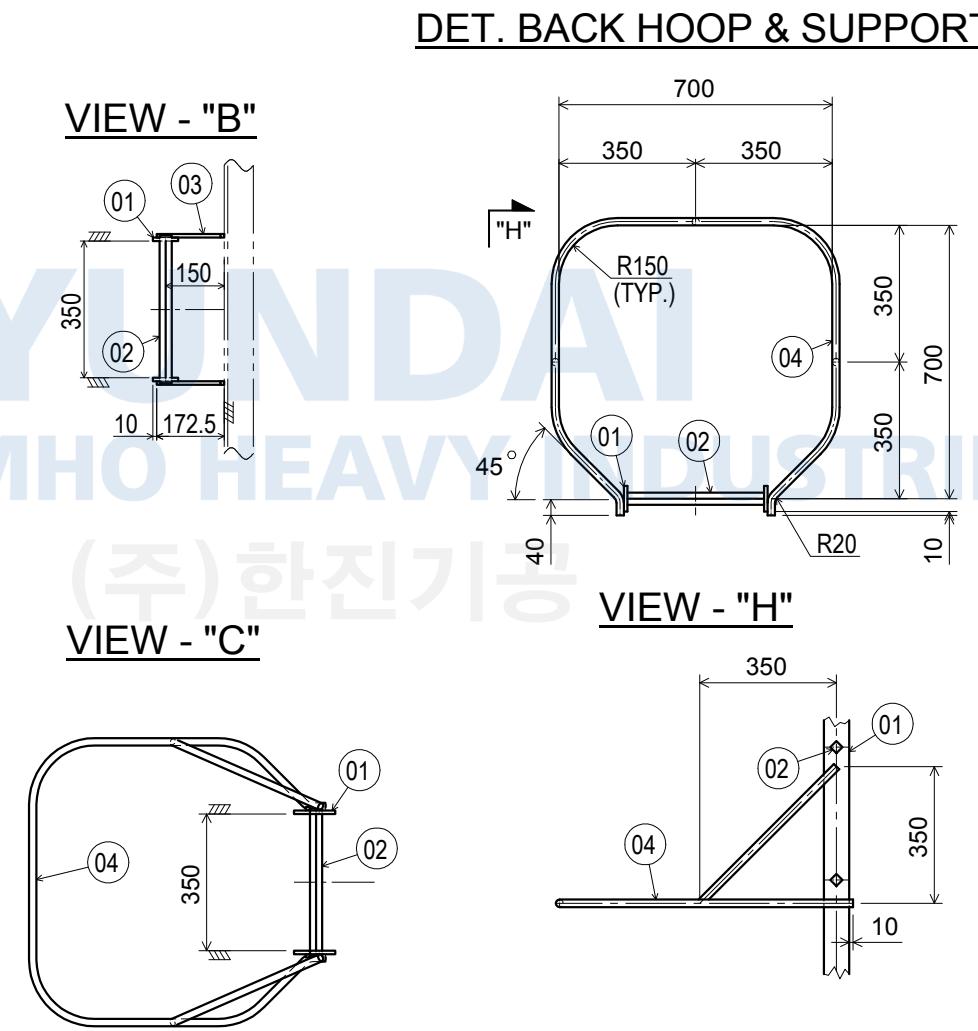
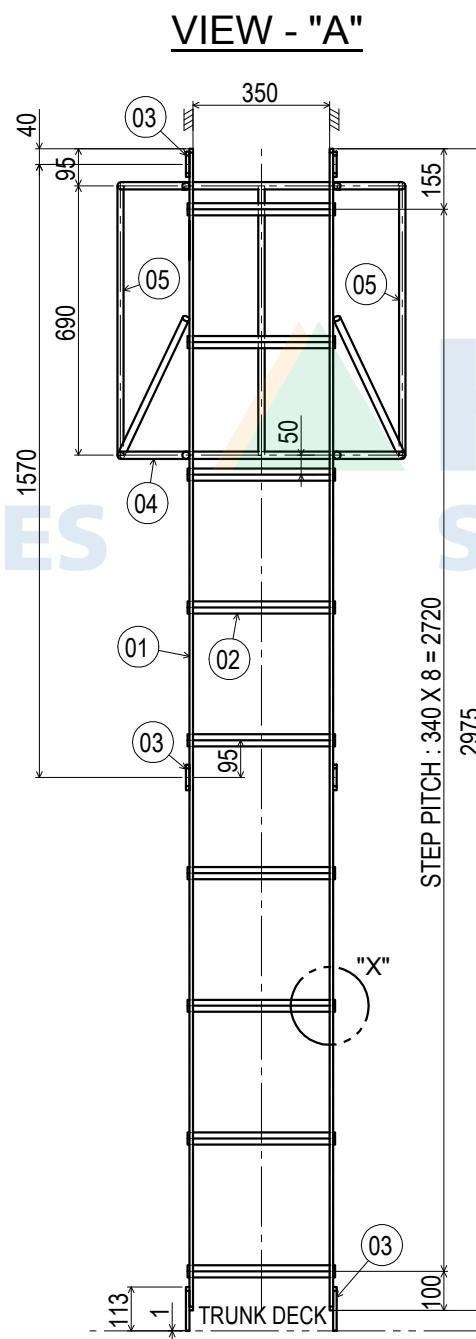
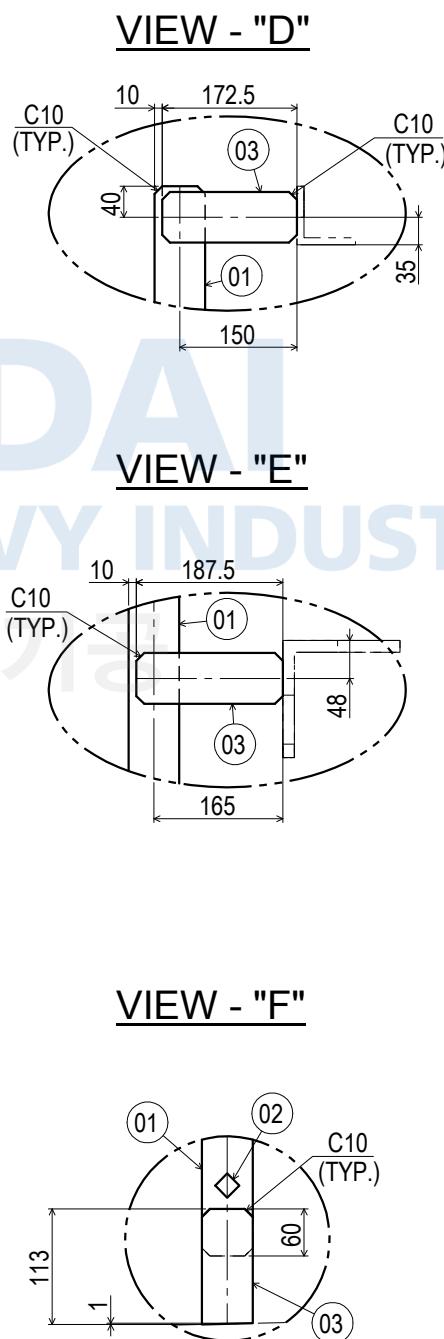
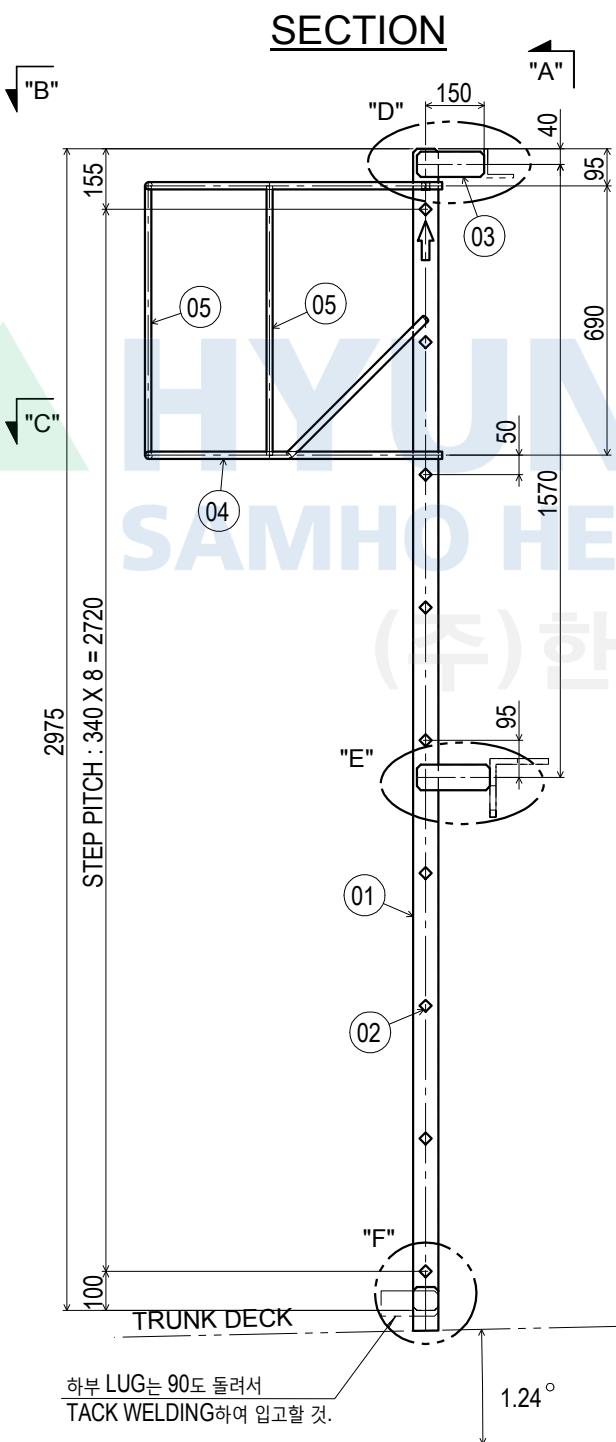
SHIP NO. 8105/8106/8107 019
DWG NO. D16C0-M34-56CB

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
01	SIDE FRAME	65 X 9t F.B	SS400	2		PAINT ONLY
02	STEP	22 SQ.BAR	SS400	9		PAINT ONLY
03	LUG	65 X 9t F.B	SS400	6		PAINT ONLY
04	BACK HOOP & SUPPORT	Φ19 R.BAR	SS400	2		PAINT ONLY
05	VERTICAL BAR	Φ19 R.BAR	SS400	3		PAINT ONLY

NOTE

1. 하부 LUG는 TRUNK DECK CAMBER 1.24° 적용 할 것.

BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK
D16C0 (MU22U)	VL-U13C	1	60.0	본도 제작





DETAIL OF PLATFORM (D16C0-MU22U 물량, MARK NO. : PF-U14C)

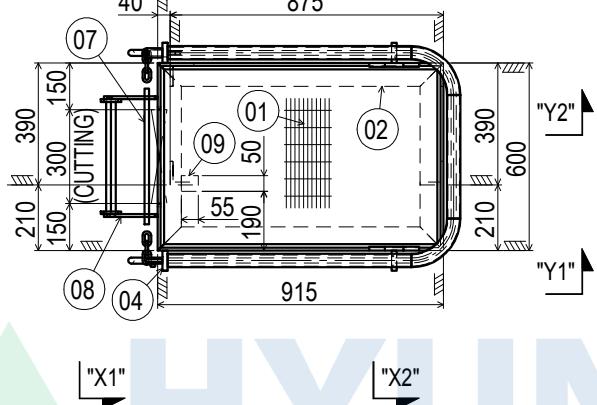
SHIP NO. 8105/8106/8107 020
DWG NO. D16C0-M34-56CB

NOTE

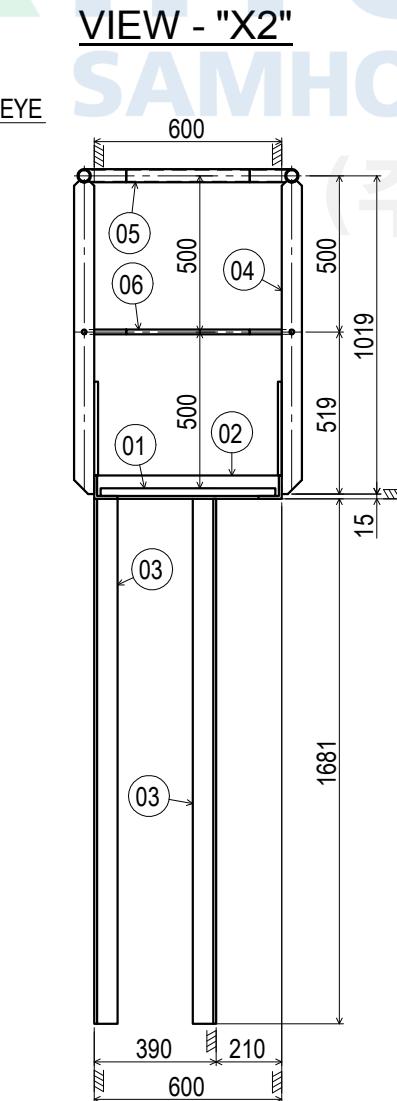
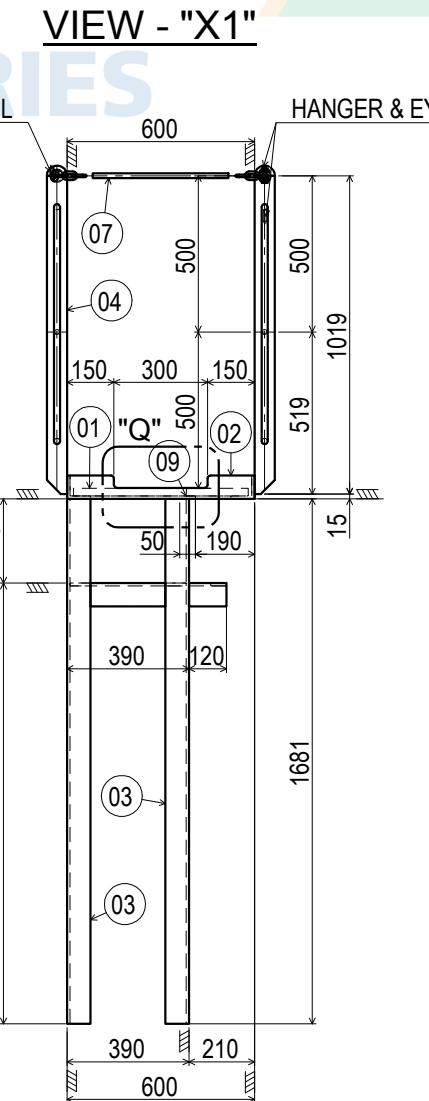
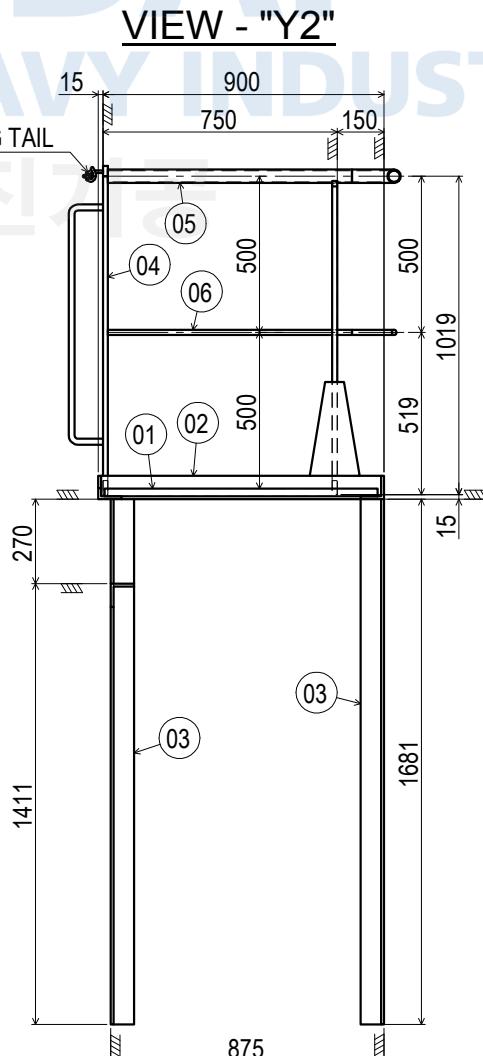
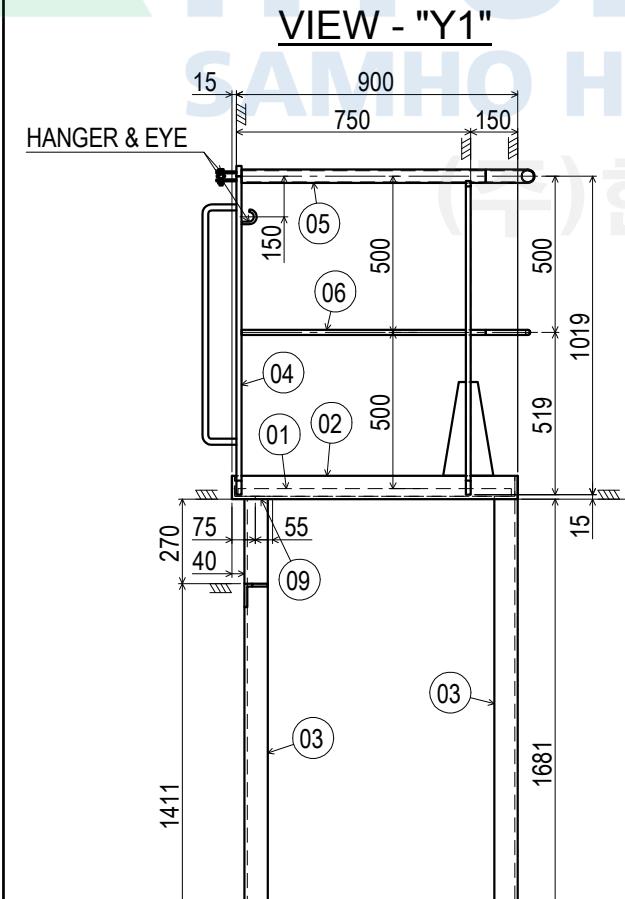
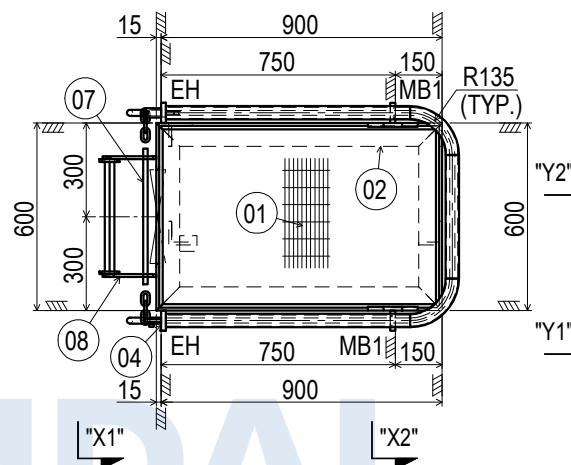
1. OPEN GRATING 사급 받아 설치후 케이블 타이로(폭 12.7mm이상)
단단히 묶어서 입고 할 것. (U14C-01)

배관 ITEM 설치하여 입고.

PLATFORM PLAN

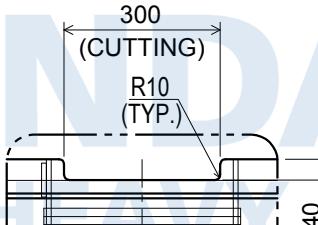


HANDRAIL PLAN

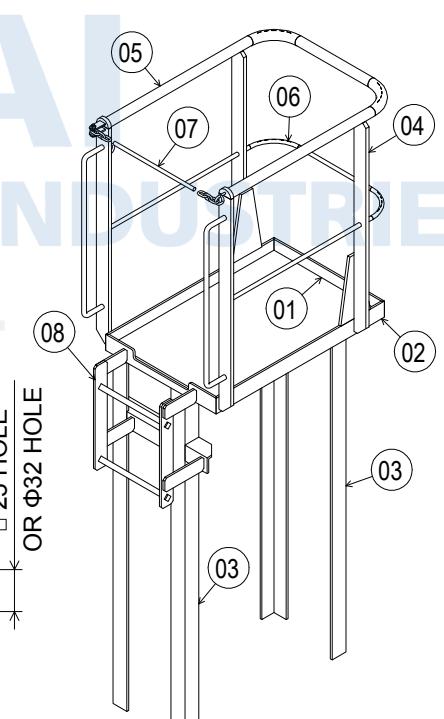


BLOCK NO.	MARK NO.	Q'TY	W.T(KG/SET)	REMARK	NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	W.T (kg)	REMARKS
D16C0 (MU22U)	PF-U14C	1	185.5	분도 제작	01	OPEN GRATING	PAGE : 022 참조		1		별도 POR 발행 (사급) (U14C - 01)
					02	FRAME	75 X 75 X 9t E.A	SS400	1		
					03	SUPPORT	75 X 75 X 9t E.A	SS400	6		
					04	STANCHION	65 X 16t F.B	SS400	4		PAINT ONLY
					05	TOP RAIL	32A PIPE	S.P.P	1		PAINT ONLY
					06	MID RAIL	Φ16 R.BAR	SS400	1		PAINT ONLY
					07	KEEP CHAIN	PAGE : 002 참조		1		GALV.
					08-1	VERTICAL LADDER	65 X 9t F.B		6		
					08-2		22 SQ.BAR		2		PAINT ONLY
					09	PLATE	9t PLATE	SS400	1		PAINT ONLY
					10	배관 ITEM	유침 도면 참조			20.0	

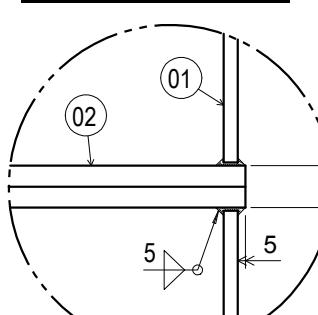
DETAIL OF "Q"



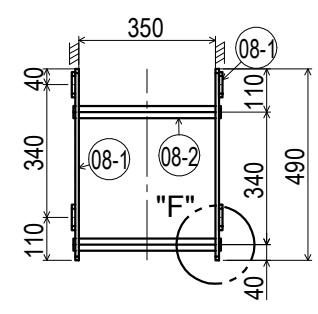
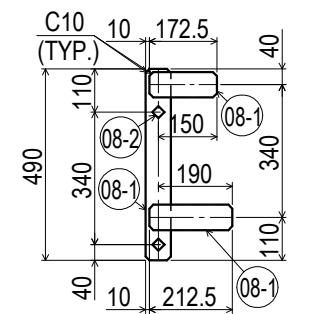
ISO. VIEW



DETAIL OF "F"



DETAIL OF VERTICAL LADDER

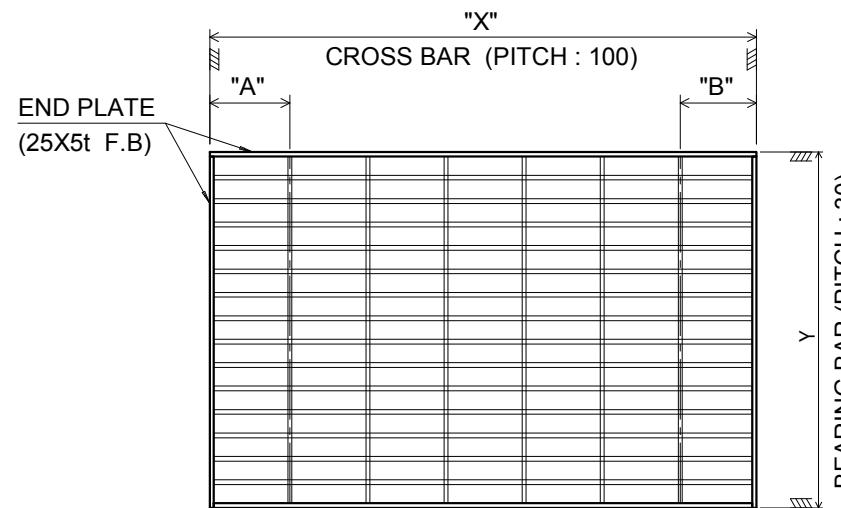




SERRATED TYPE OPEN GRATING

SHIP NO. 8105/8106/8107 021
DWG NO. D16C0-M34-56CB

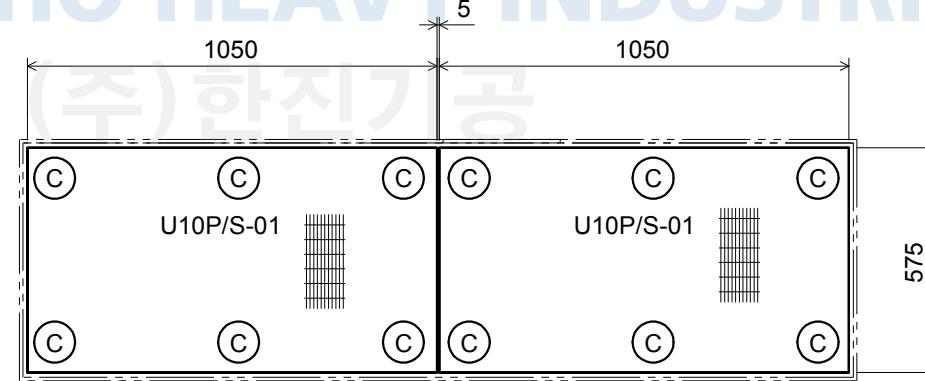
SERRATED TYPE OPEN GRATING



NOTE

1. MATERIAL : SS400
2. BEARING BAR와 END PLATE는 양면 용접할 것.
3. BEARING BAR : 25 X 5t F.B
4. CROSS BAR : 6 X 6 SQ.B (TWIST)
5. Serrated type Grating : 제작시 주의할 것.

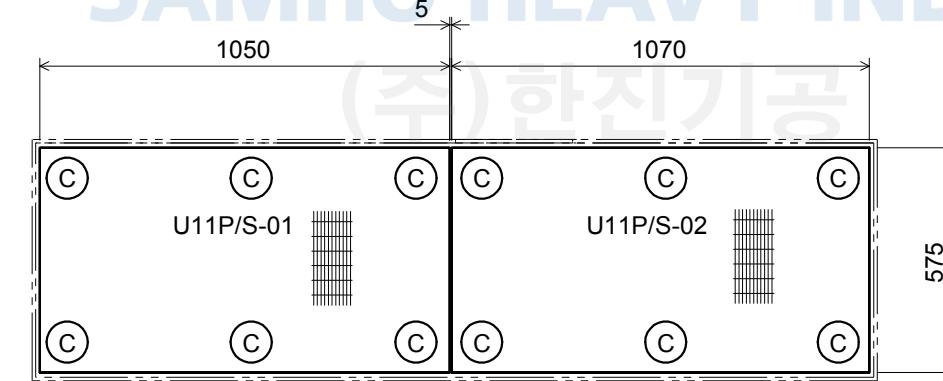
HYUNDAI
APPLICATION : PF-U10P/S
SAMHO HEAVY INDUSTRIES



대칭 제작 기준선

MARK NO.	"X"	"Y"	"A"	"B"	Q'TY	W.T / SET	REMARK
U10P-01	575	1050	90	85	2	23.0	본도 제작
U10S-01	575	1050	90	85	2	23.0	대칭 제작

HYUNDAI
APPLICATION : PF-U11P/S
SAMHO HEAVY INDUSTRIES



대칭 제작 기준선

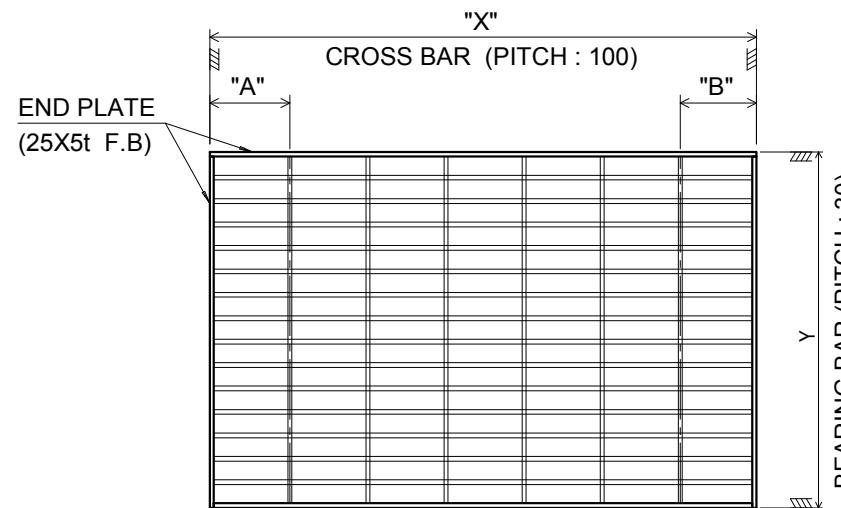
MARK NO.	"X"	"Y"	"A"	"B"	Q'TY	W.T / SET	REMARK
U11P-01	575	1050	90	85	1	23.1	본도 제작
U11P-02	575	1070	90	85	1	23.5	본도 제작
U11S-01	575	1050	90	85	1	23.1	대칭 제작
U11S-02	575	1070	90	85	1	23.5	대칭 제작



SERRATED TYPE OPEN GRATING

SHIP NO. 8105/8106/8107 022
DWG NO. D16C0-M34-56CB

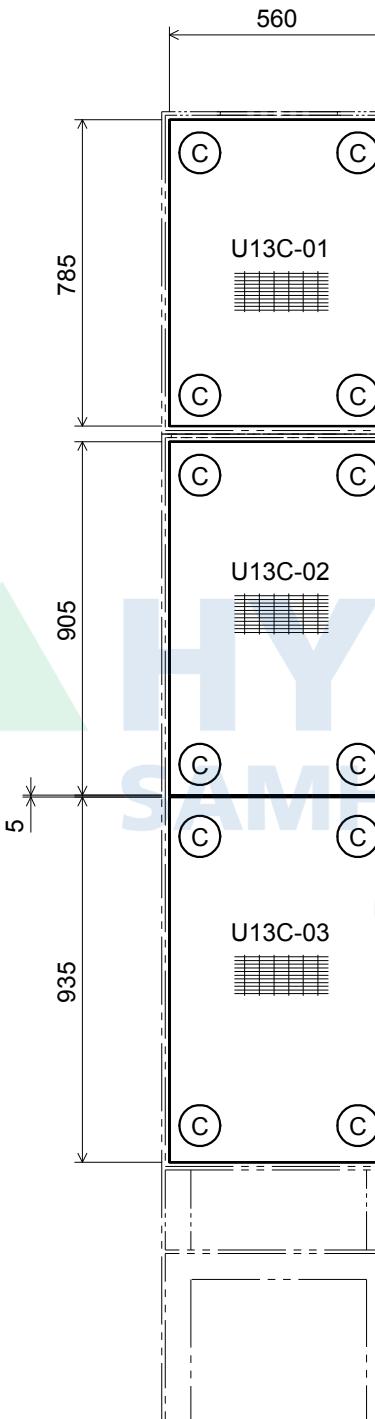
SERRATED TYPE OPEN GRATING



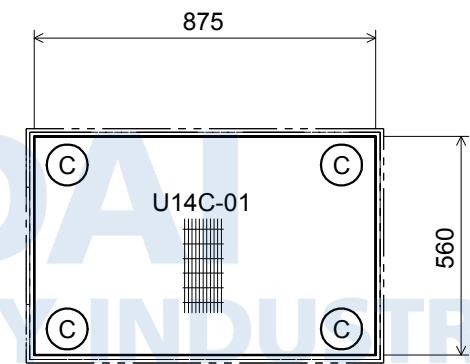
NOTE

1. MATERIAL : SS400
2. BEARING BAR와 END PLATE는 양면 용접할 것.
3. BEARING BAR : 25 X 5t F.B
4. CROSS BAR : 6 X 6 SQ.B (TWIST)
5. Serrated type Grating : 제작시 주의할 것.

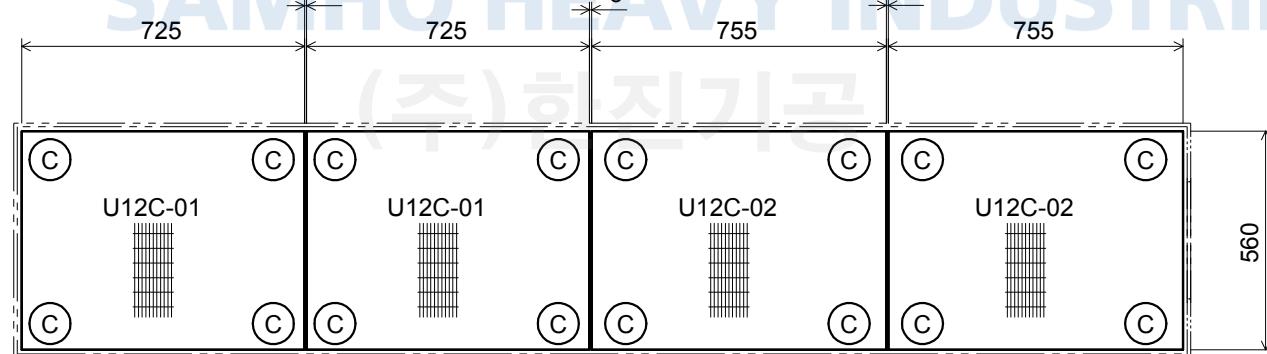
APPLICATION : PF-U13C



APPLICATION : PF-U14C



APPLICATION : PF-U12C



MARK NO.	"X"	"Y"	"A"	"B"	Q'TY	W.T / SET	REMARK
U12C-01	560	725	80	80	2	15.5	본도 제작
U12C-02	560	755	80	80	2	16.3	본도 제작

MARK NO.	"X"	"Y"	"A"	"B"	Q'TY	W.T / SET	REMARK
U13C-01	560	785	80	80	1	16.9	본도 제작
U13C-02	560	905	80	80	1	19.5	본도 제작
U13C-03	560	935	80	80	1	20.0	본도 제작
U14C-01	560	875	80	80	1	18.7	본도 제작

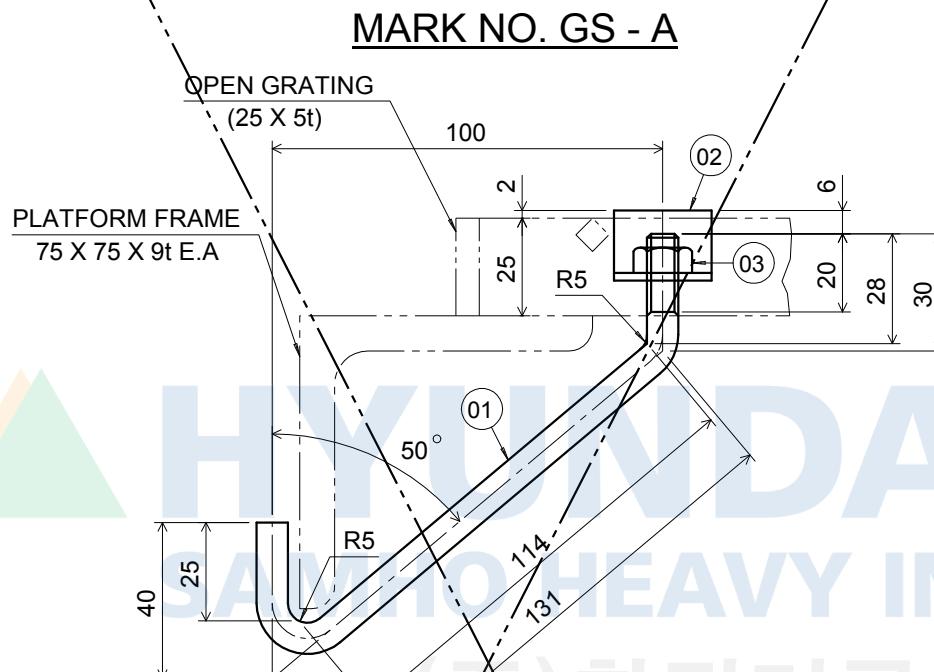


DETAIL OF OPEN GRATING STOPPER

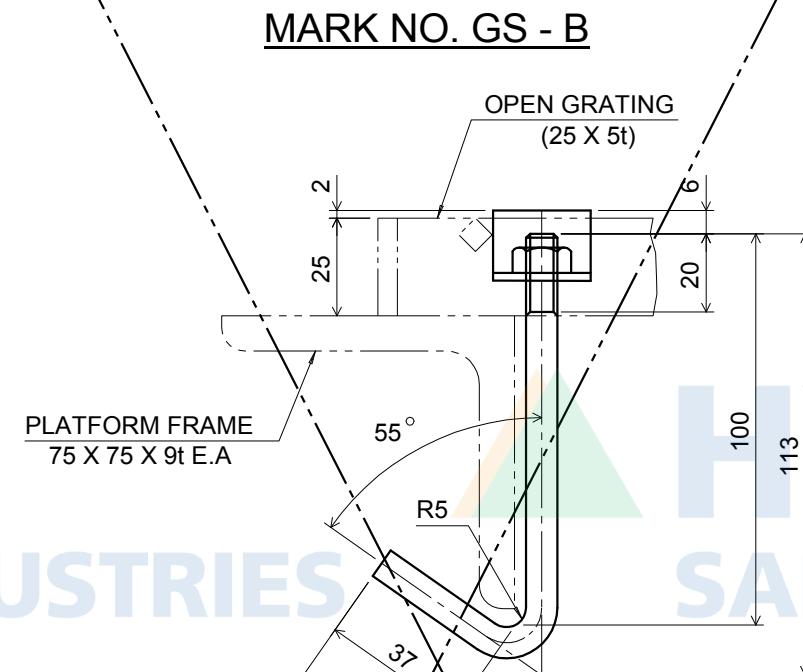
SHIP NO.	8105/8106/8107	023
DWG NO.	D16C0-M34-56CB	

NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	REMARKS	NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	REMARKS	NO.	DESCRIPTION	SPEC.	MAT'L	Q'TY/SET	REMARKS
01	STOPPER HOOK	Φ8 R.BAR	SUS316	1	NO PAINT	01	STOPPER HOOK	Φ8 R.BAR	SUS316	1	NO PAINT	01	STOPPER HOOK	Φ8 R.BAR	SUS316	1	NO PAINT
02	STOPPER	2t PL.	SUS316	1	NO PAINT	02	STOPPER	2t PL.	SUS316	1	NO PAINT	02	STOPPER	2t PL.	SUS316	1	NO PAINT
03	HEX.NUT	M8	SUS316	1	NO PAINT	03	HEX.NUT	M8	SUS316	1	NO PAINT	03	HEX.NUT	M8	SUS316	1	NO PAINT

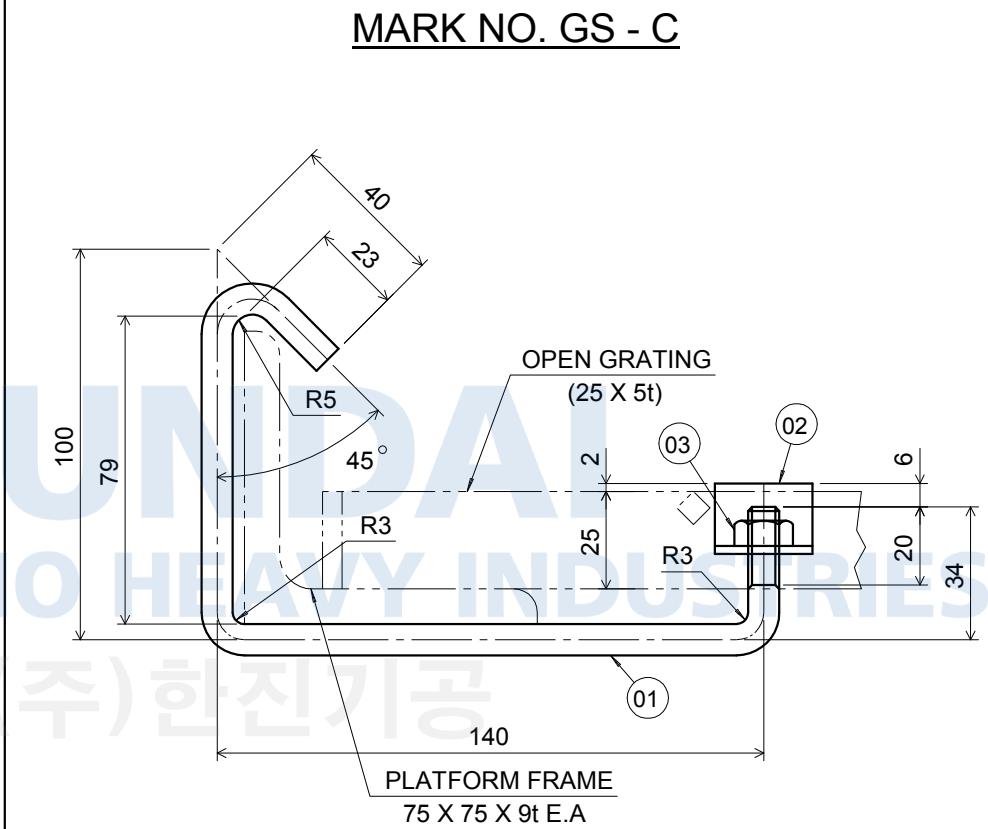
WEIGHT : 0.3 KG/SET



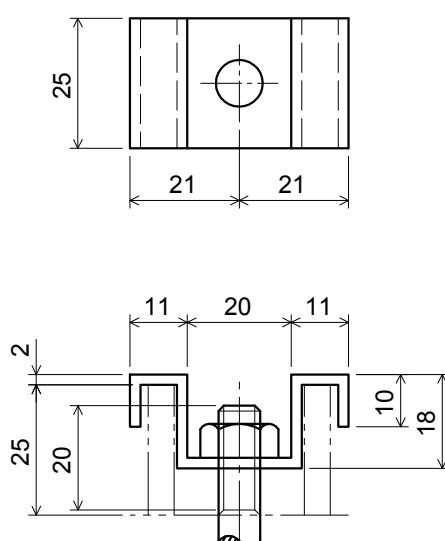
WEIGHT : 0.3 KG/SET

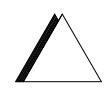


WEIGHT : 0.3 KG/SET



BLOCK NO.	Q'TY	SHIP	W.T (KG)
D35P0	12		3.6
D35S0	12		3.6
D36P0	12		3.6
D36S0	12		3.6
D15C0	16		4.8
D16C0	16		4.8



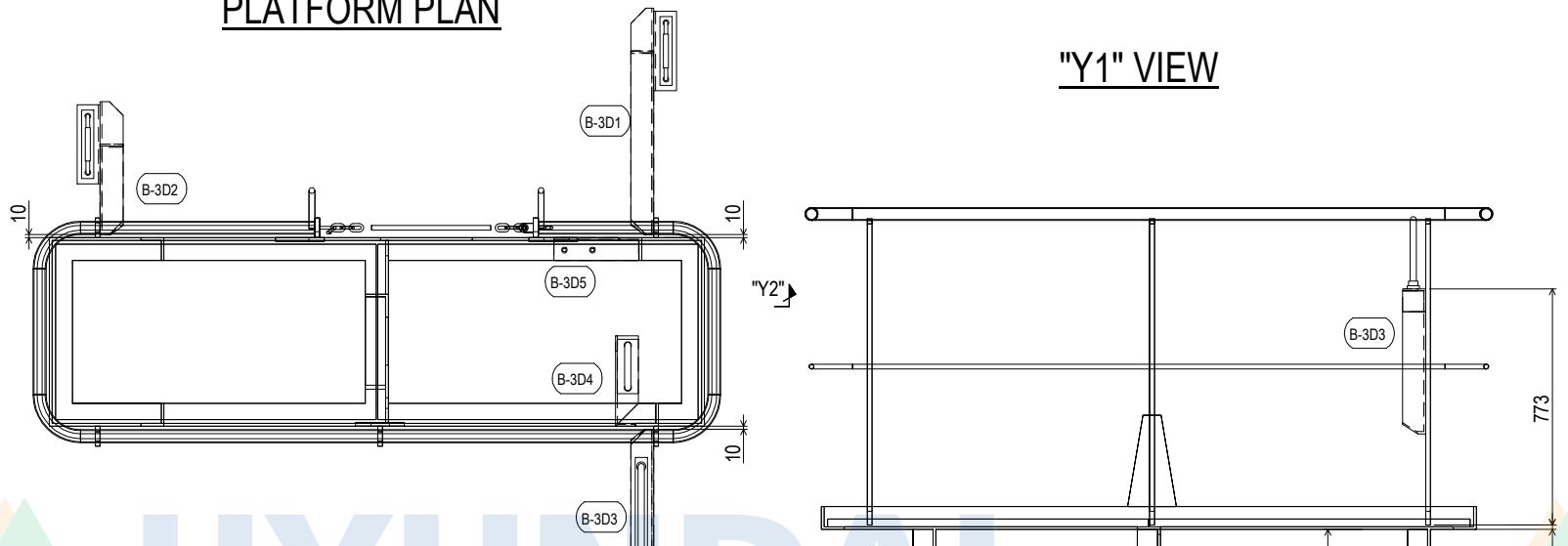


DETAIL OF PLATFORM (D35P0 - MU22 물량, MARK NO. : PF-U10P) (배관의뢰도)

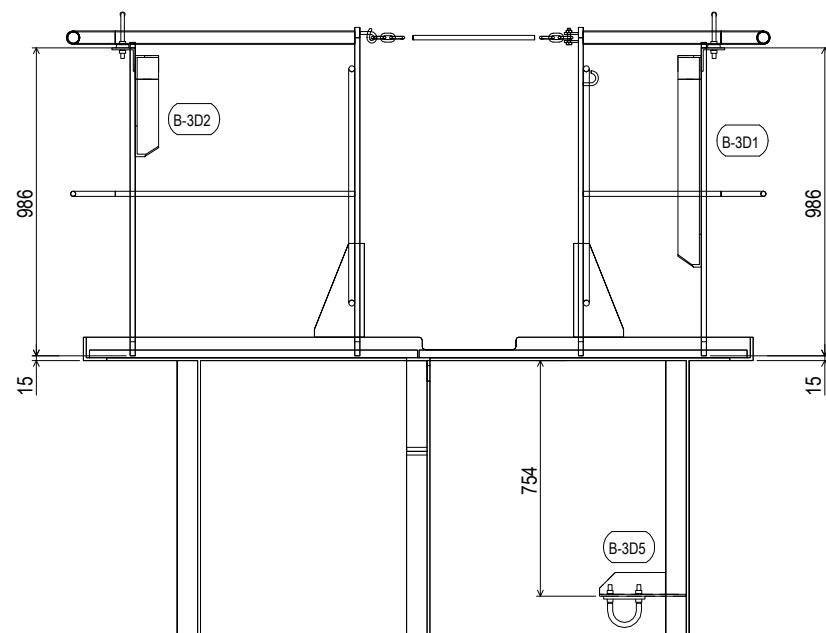
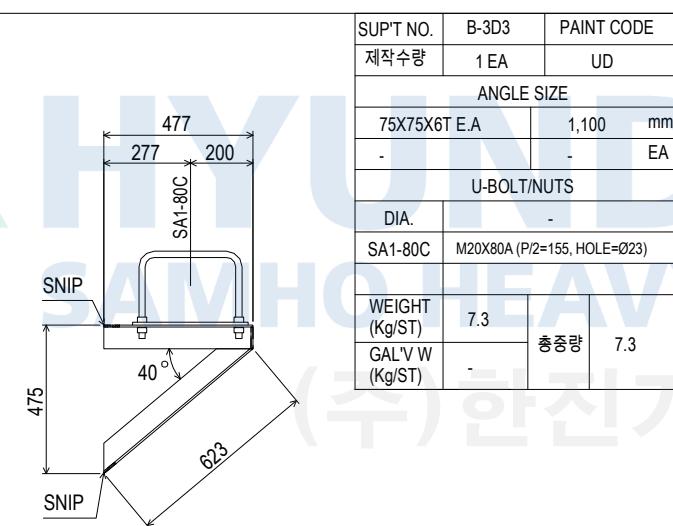
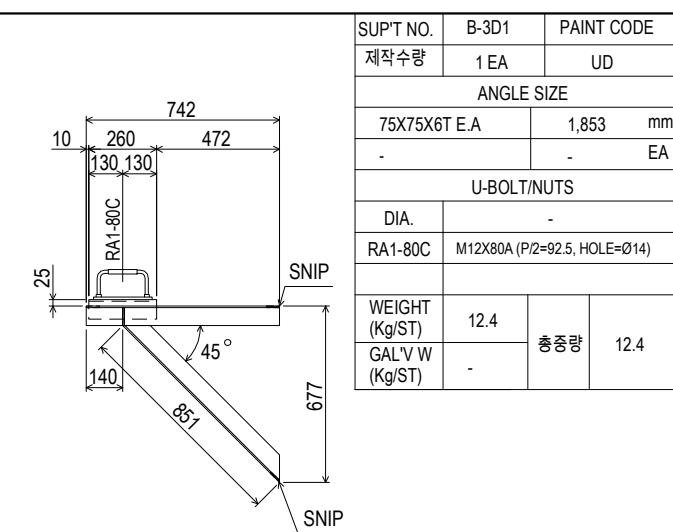
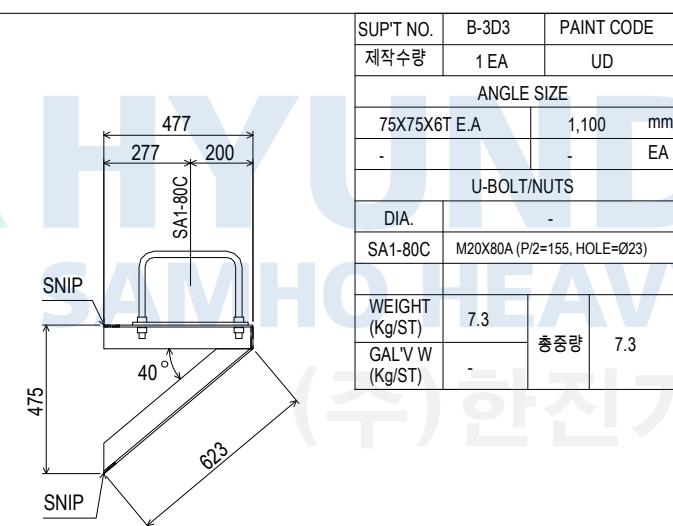
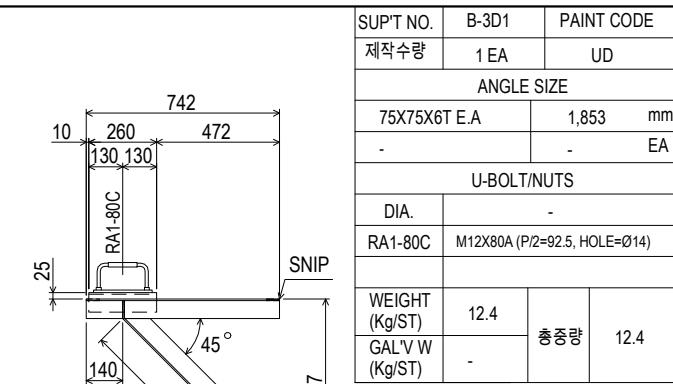
SHIP NO. 8105/8106/8107 024
DWG NO. D16C0-M34-56CB

배관의뢰 총중량 : 30.8 KG

PLATFORM PLAN



"Y1" VIEW

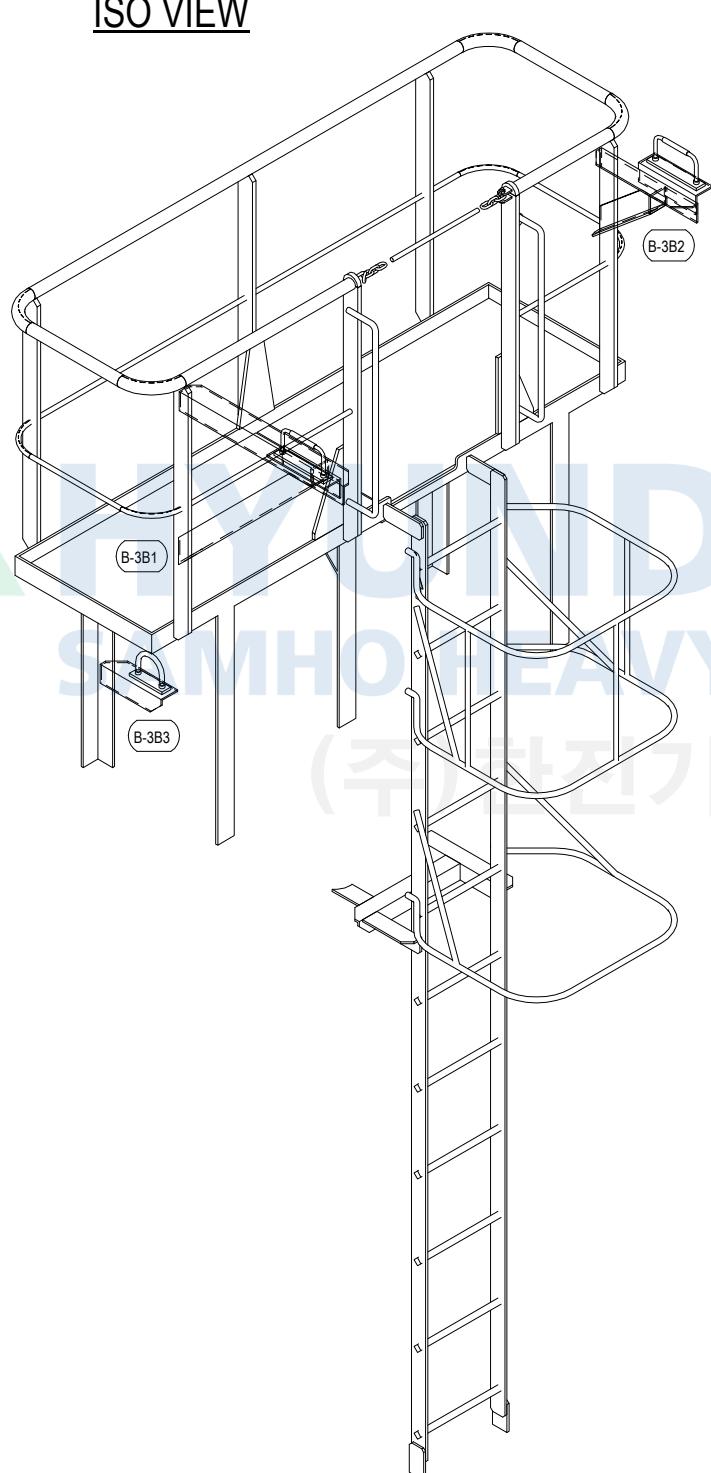




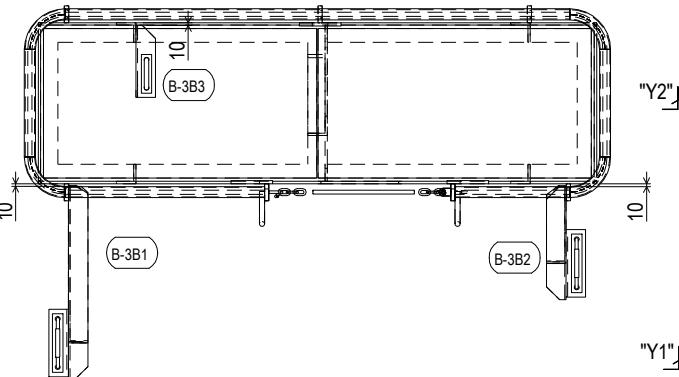
DETAIL OF PLATFORM (D35S0 - MU22 물량, MARK NO. : PF-U10S) (배관의뢰도)

SHIP NO. 8105/8106/8107 025
DWG NO. D16C0-M34-56CB

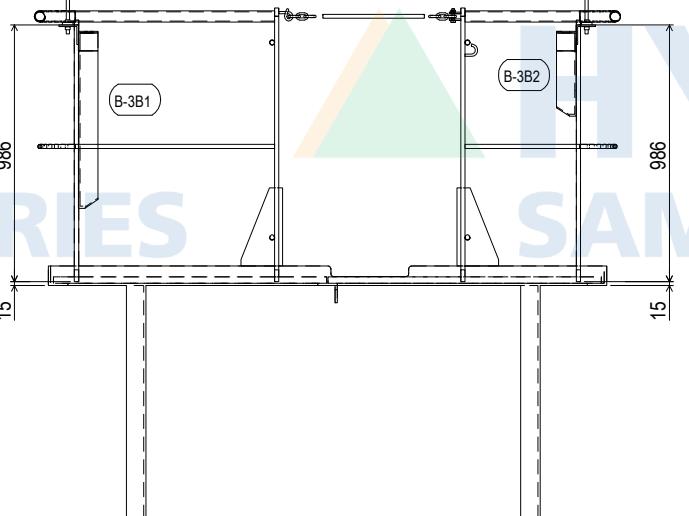
배관의뢰 총중량 : 21.4 KG



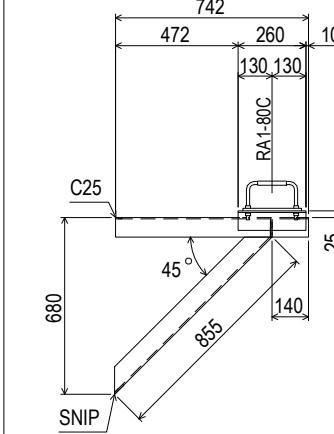
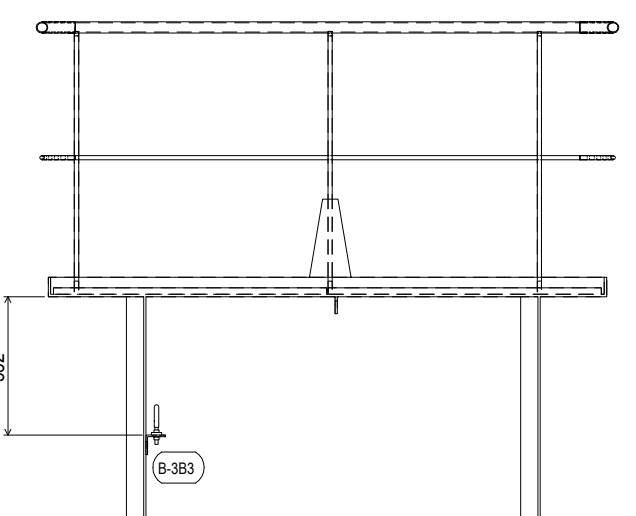
PLATFORM PLAN



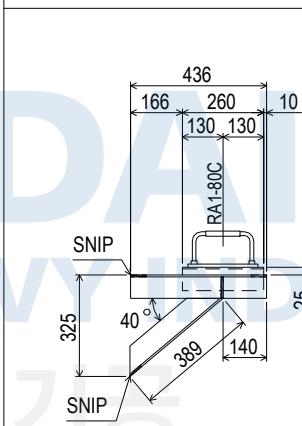
"Y1" VIEW



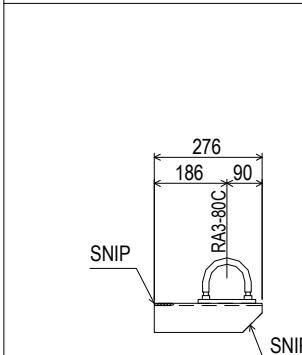
"Y2" VIEW



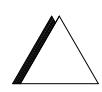
SUPT NO.	B-3B1	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	1,857	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-80C	M12X80A (P/2=92.5, HOLE=Ø14)	
WEIGHT (Kg/ST)	12.4	
GALV W (Kg/ST)	-	총중량 12.4



SUPT NO.	B-3B2	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	1,085	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-80C	M12X80A (P/2=92.5, HOLE=Ø14)	
WEIGHT (Kg/ST)	7.2	
GALV W (Kg/ST)	-	총중량 7.2



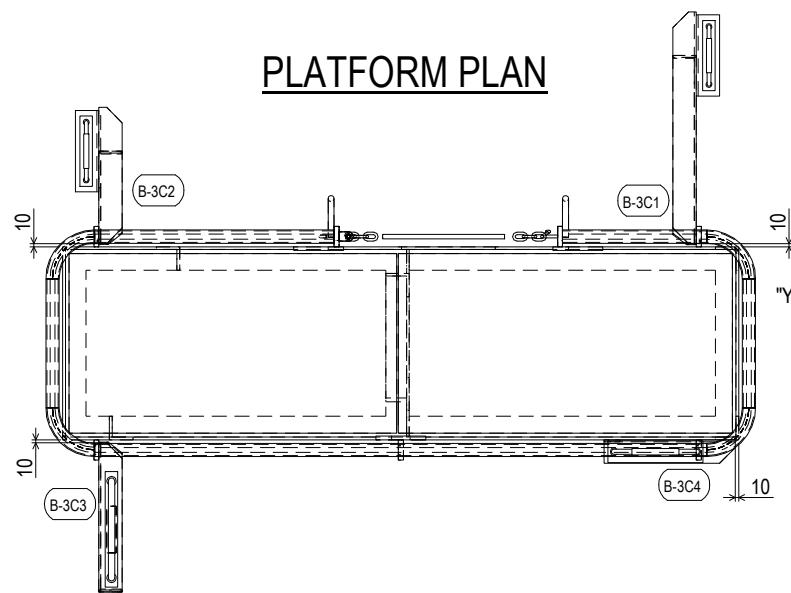
SUPT NO.	B-3B3	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	276	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA3-80C	M12X80A (P/2=54, HOLE=Ø14)	
WEIGHT (Kg/ST)	1.8	
GALV W (Kg/ST)	-	총중량 1.8



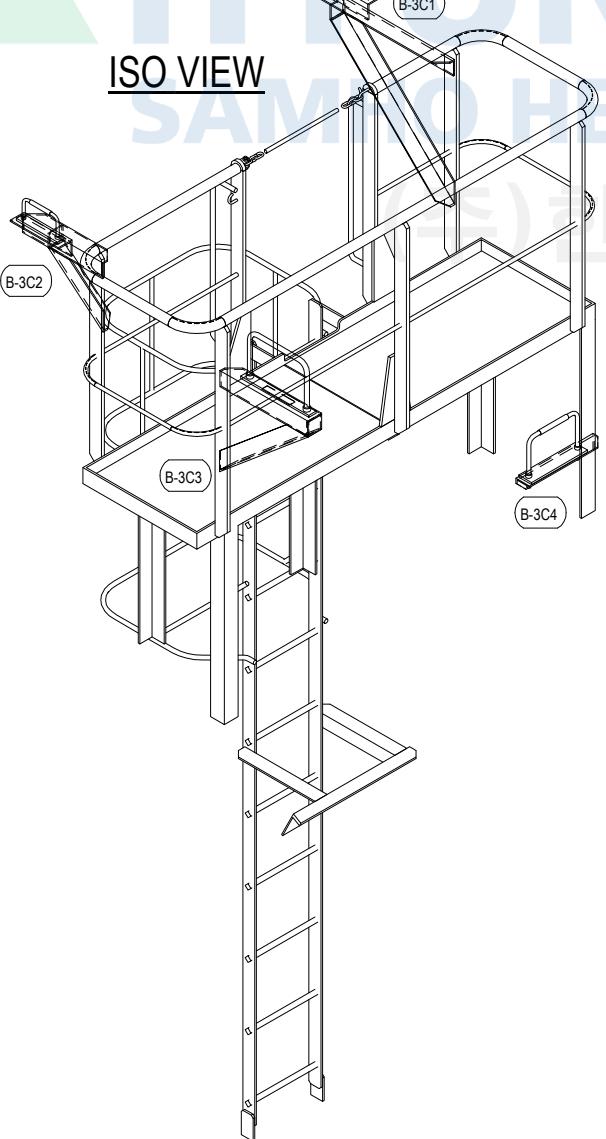
DETAIL OF PLATFORM (D36P0 - MU22 물량, MARK NO. : PF-U11P) (배관의뢰도)

SHIP NO. 8105/8106/8107 026
DWG NO. D16C0-M34-56CB

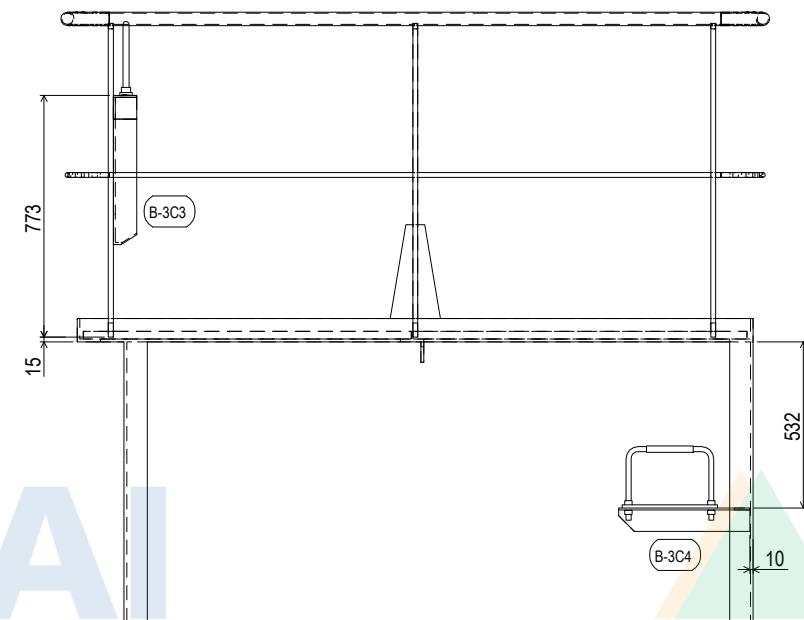
배관의뢰 총중량 : 29.7 KG



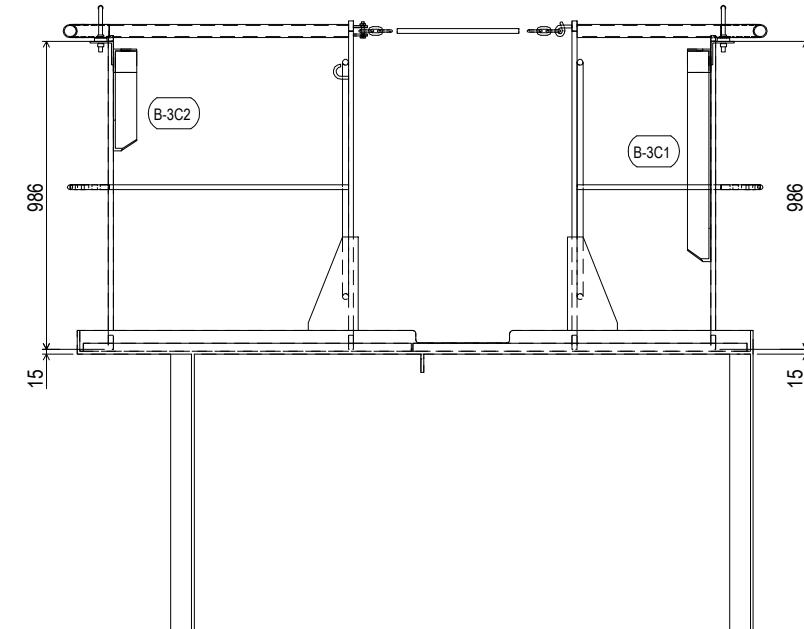
ISO VIEW



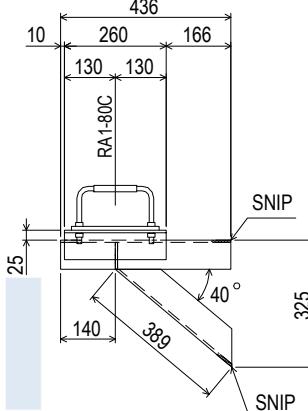
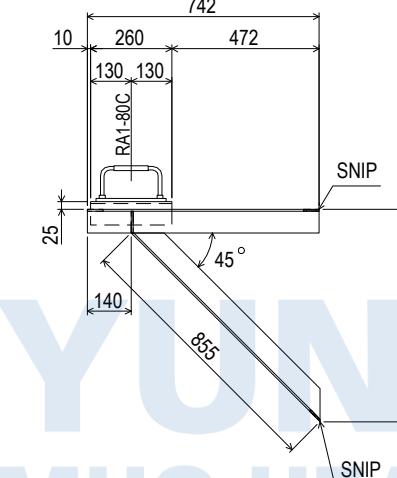
"Y1" VIEW



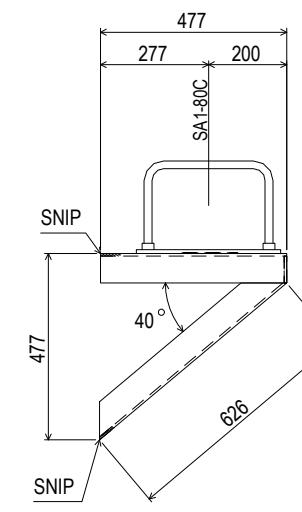
"Y2" VIEW



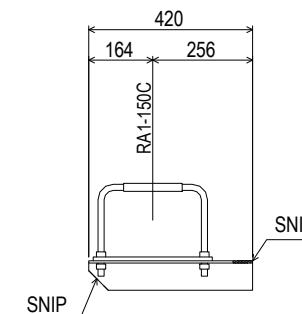
SUP'T NO.	B-3C1	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	1,857	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-80C	M12X80A (P/2=92.5, HOLE=Ø14)	
WEIGHT (Kg/ST)	12.4	
GALV W (Kg/ST)	-	총중량 12.4



SUP'T NO.	B-3C3	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	1,103	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
SA1-80C	M20X80A (P/2=155, HOLE=Ø23)	
WEIGHT (Kg/ST)	7.4	
GALV W (Kg/ST)	-	총중량 7.4



SUP'T NO.	B-3C4	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	420	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-150C	M16X150A (P/2=132.5, HOLE=Ø19)	
WEIGHT (Kg/ST)	2.7	
GALV W (Kg/ST)	-	총중량 2.7



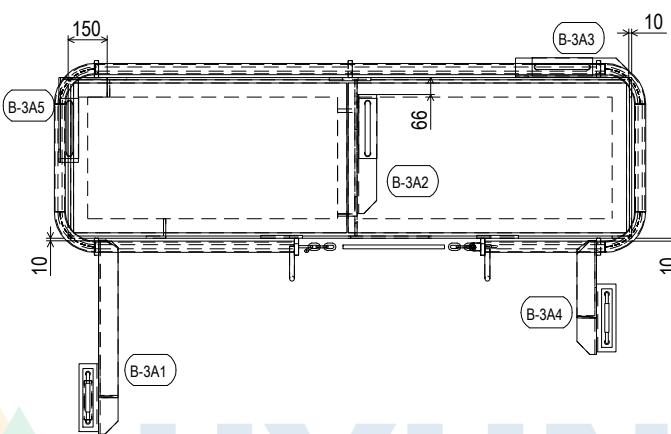


DETAIL OF PLATFORM (D36S0 - MU22 물량, MARK NO. : PF-U11S) (배관의뢰도)

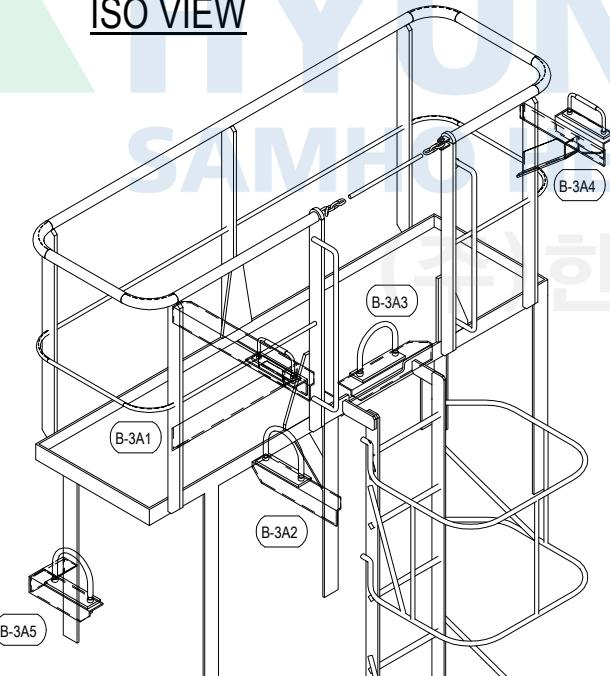
SHIP NO. 8105/8106/8107 027
DWG NO. D16C0-M34-56CB

배관의뢰 총중량 : 28.7 KG

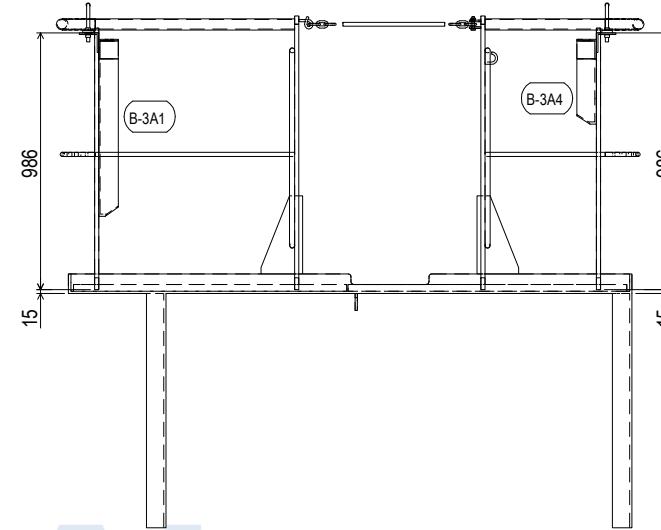
PLATFORM PLAN



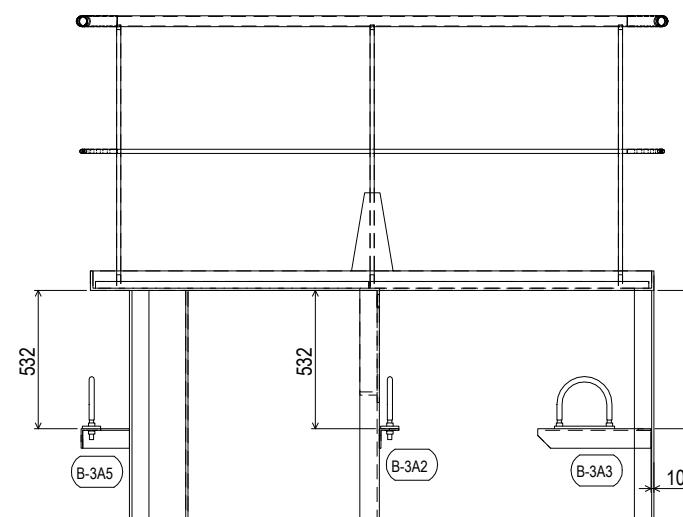
ISO VIEW



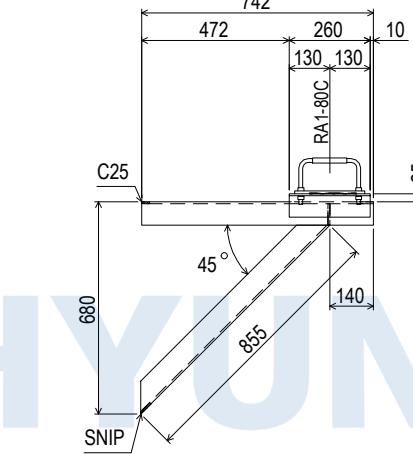
"Y1" VIEW



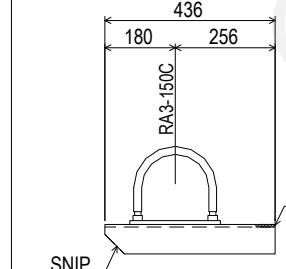
"Y2" VIEW



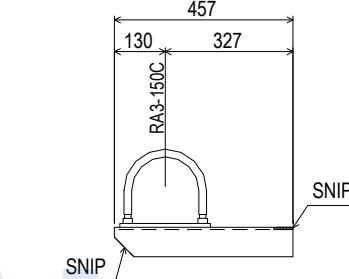
SUP'T NO.	B-3A1	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	1,857	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-80C	M12X80A (P/2=92.5, HOLE=Ø14)	
WEIGHT (Kg/ST)	12.5	
GALV W (Kg/ST)	-	총중량 12.5



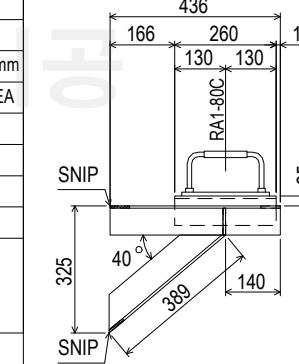
SUP'T NO.	B-3A3	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	436	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA3-150C	M16X150A (P/2=96, HOLE=Ø19)	
WEIGHT (Kg/ST)	2.8	
GALV W (Kg/ST)	-	총중량 2.8



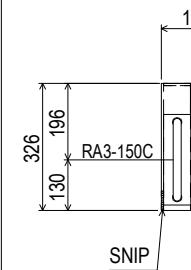
SUP'T NO.	B-3A2	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	457	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA3-150C	M16X150A (P/2=96, HOLE=Ø19)	
WEIGHT (Kg/ST)	3.0	
GALV W (Kg/ST)	-	총중량 3.0

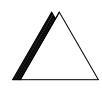


SUP'T NO.	B-3A4	PAINT CODE
제작수량	1 EA	UD
ANGLE SIZE		
75X75X6T E.A	1,085	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-80C	M12X80A (P/2=92.5, HOLE=Ø14)	
WEIGHT (Kg/ST)	7.2	
GALV W (Kg/ST)	-	총중량 7.2



SUP'T NO.	B-3A5	PAINT CODE
ANGLE SIZE		
75X75X6T E.A	420	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA3-150C	M16X150A (P/2=96, HOLE=Ø19)	
WEIGHT (Kg/ST)	3.2	
GALV W (Kg/ST)	-	총중량 3.2



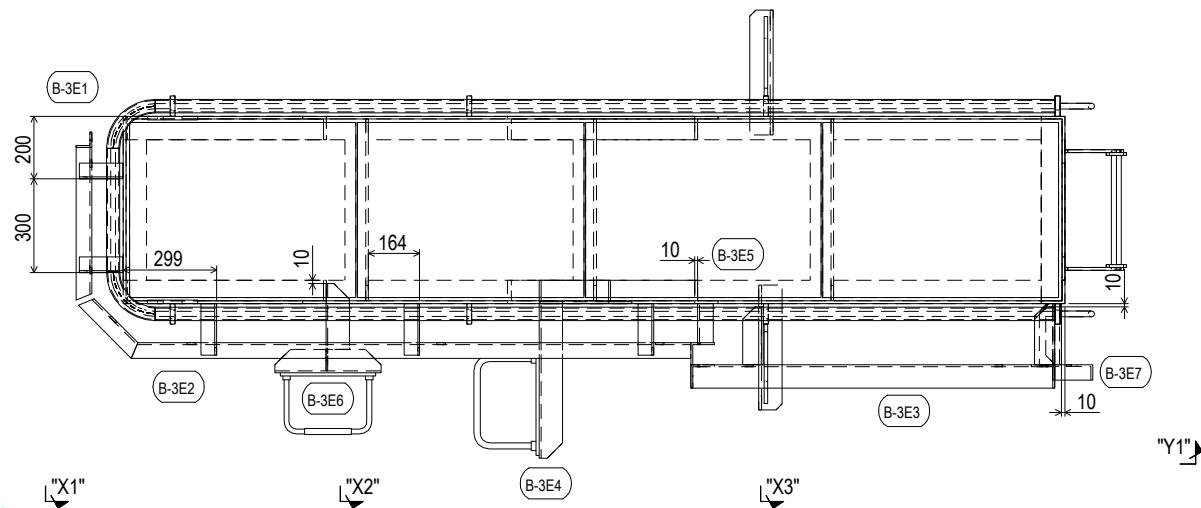


DETAIL OF PLATFORM (D15C0 - MU22 물량, MARK NO. : PF-U12C) (배관의뢰도) (1/2)

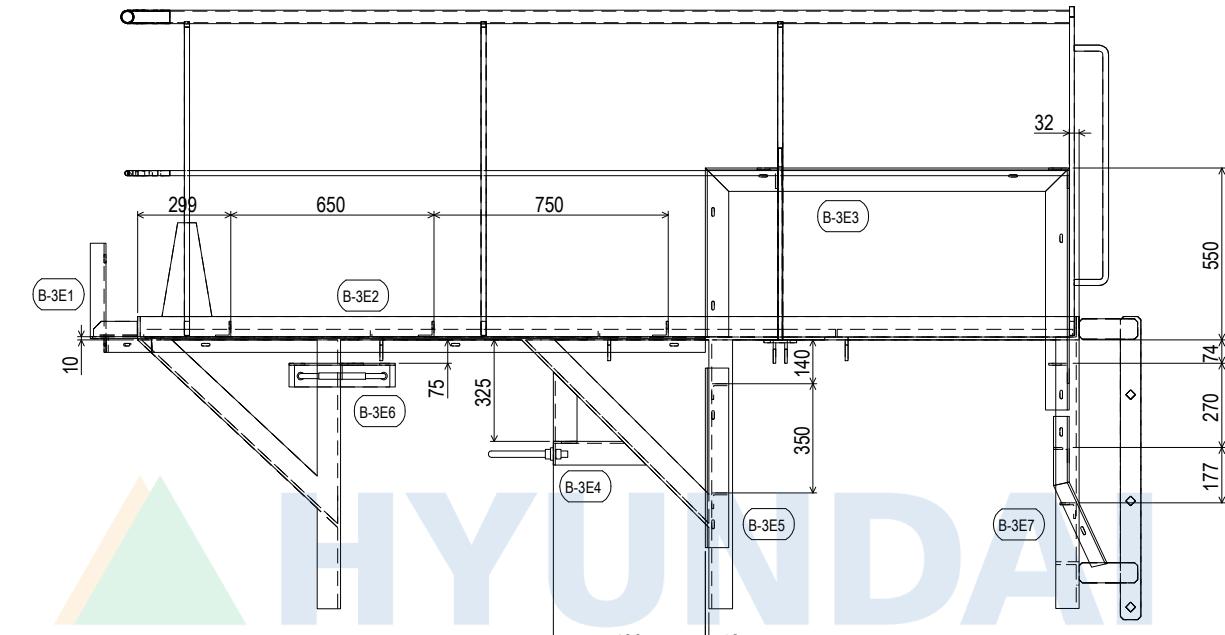
SHIP NO. 8105/8106/8107 028
DWG NO. D16C0-M34-56CB

배관의뢰 총중량 : 53.5 KG

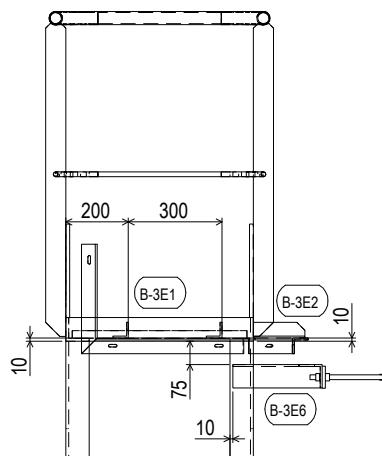
PLATFORM PLAN



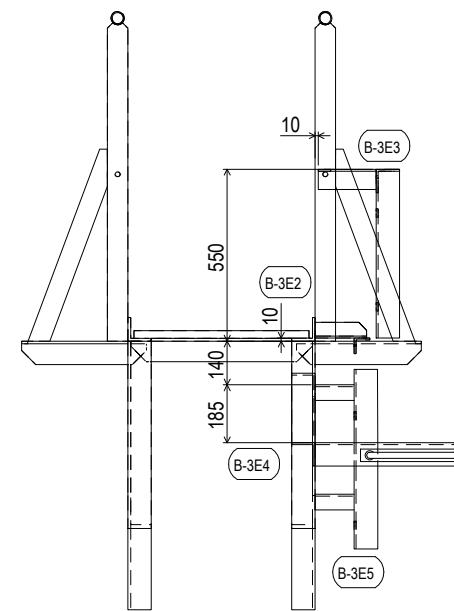
"Y1" VIEW



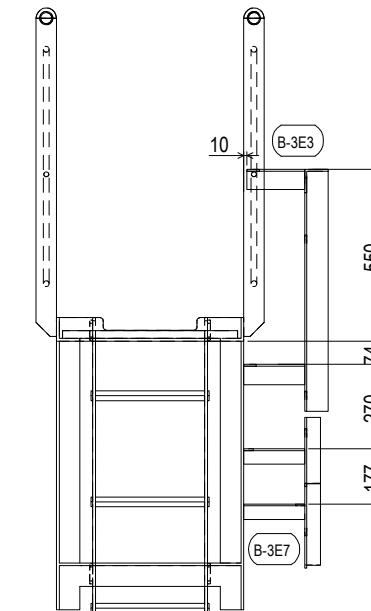
"X1" VIEW



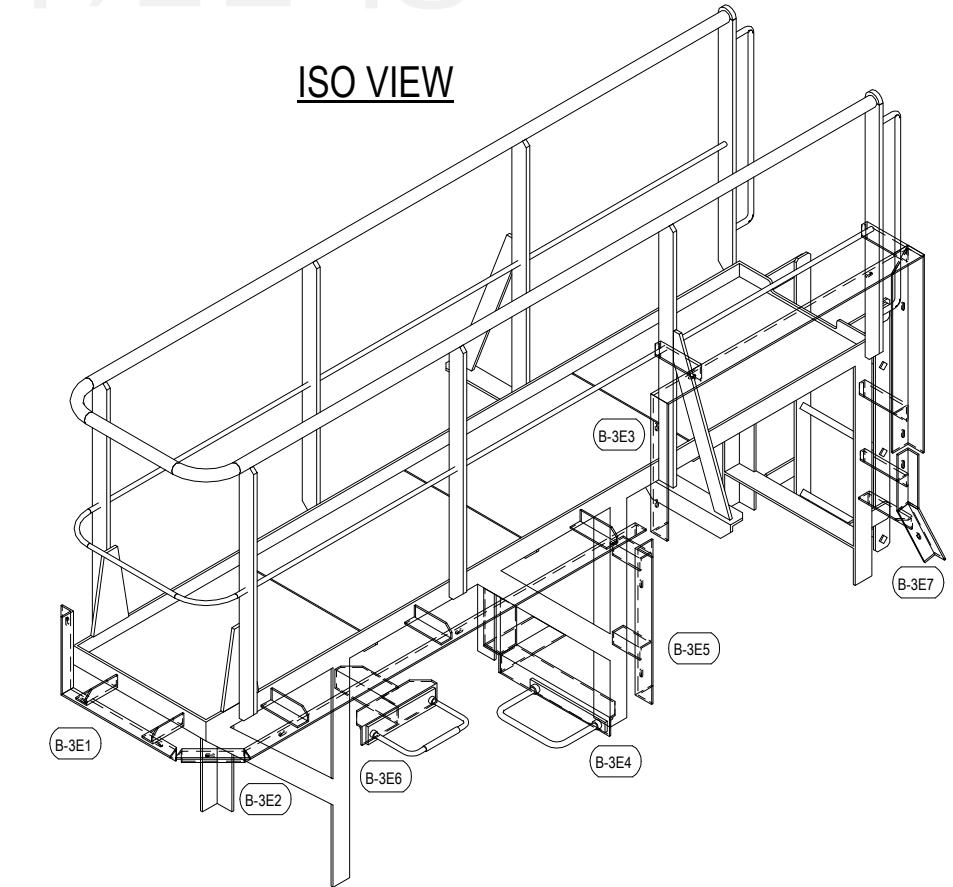
"X2" VIEW

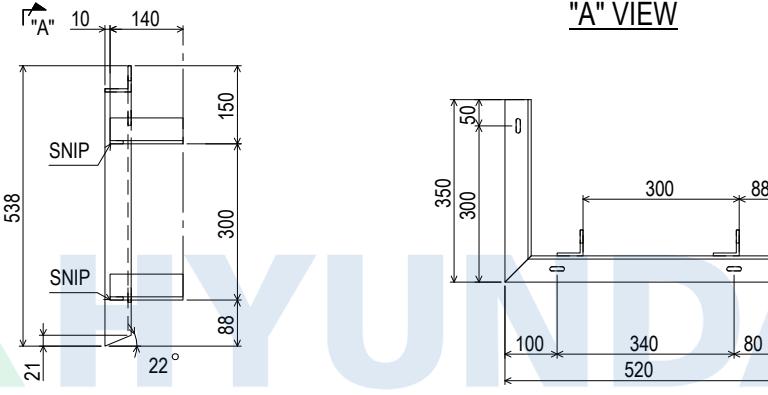


"X3" VIEW



ISO VIEW



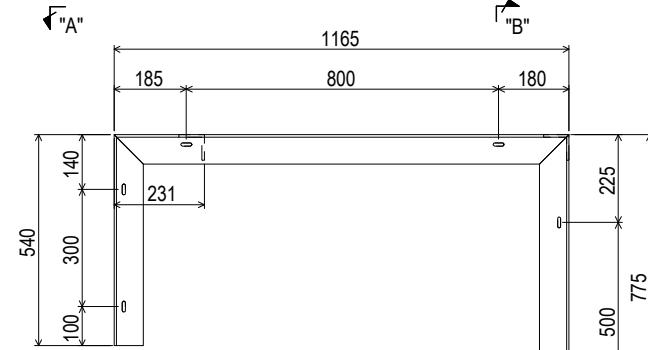


"A" VIEW

SLOT HOLE DET.(TYP)

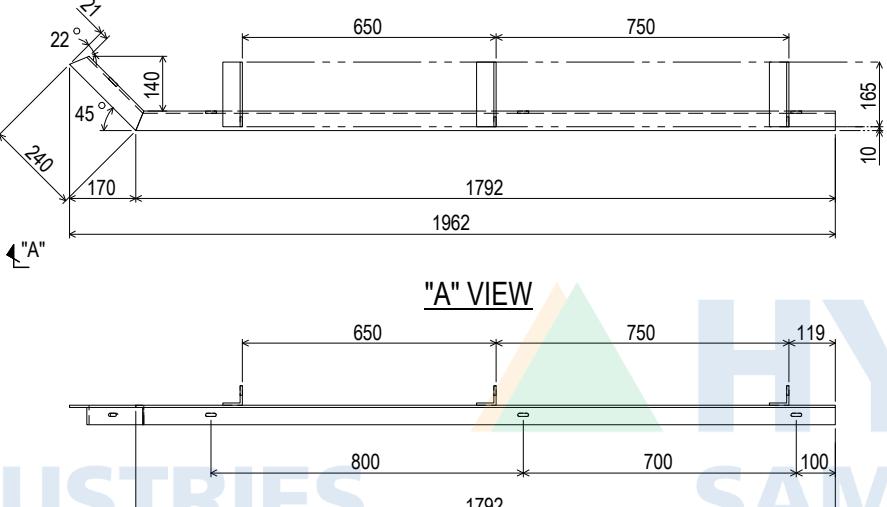
20X8XR4 SLOT HOLE
TYP.

SUP'T NO.	B-3E2	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T	E.A	2527 mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
-	-	
WEIGHT (Kg/ST)	10.9	
GALV W (Kg/ST)	-	총중량 10.9



"B" VIEW

P.T NO.	B-3D1	PAINT CODE
작수량	1 EA.	UD
ANGLE SIZE		
65X65X6T E.A	2480	m
50X50X6T E.A	565	m
U-BOLT/NUTS		
DIA.	-	
WEIGHT (kg(ST))	19.5	
GALV' W (kg(ST))	-	총중량 19.5

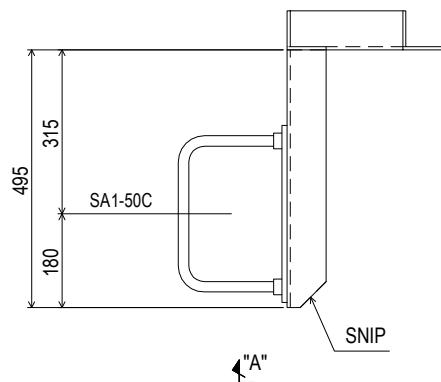


"A" VIEW

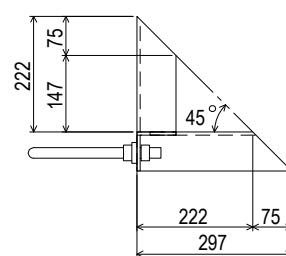
"A" VIEW

1792

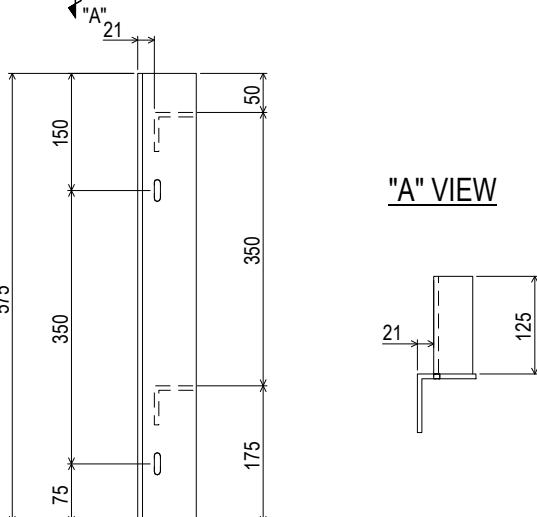
SUP'T NO.	B-3E4	PAINT C
제작수량	1 EA.	UD
ANGLE SIZE		
75X75X6T E.A		1014
-		-
U-BOLT/NUTS		
DIA.	-	
SA1-50C	M20X50A (P/2=140, HOLE=6)	
WEIGHT (Kg/ST)	6.5	총중량
GAL'V W (Kg/ST)	-	6



"A" VIEW

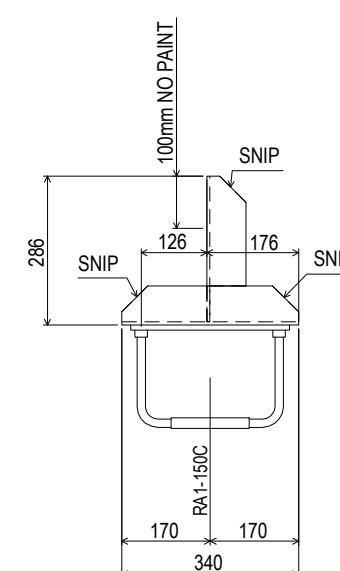


SUP'T NO.	B-3E5	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
75X75X6T E.A		575
50X50X6T E.A		250
U-BOLT/NUTS		
DIA.	-	-
-	-	-
WEIGHT (Kg/ST)	5.0	총중량
GAL'V W (Kg/ST)	-	5.0

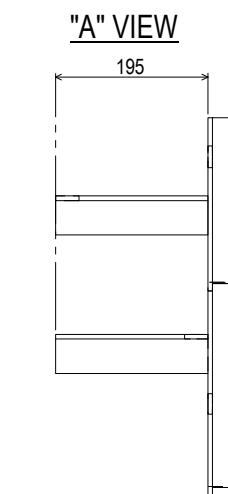


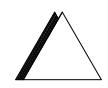
"A" VIEW

SUP'T NO.	B-3E6	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
75X75X6T E.A	626	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	-
RA1-150C	M16X80A (P/2=132.5, HOLE=Ø19)	
WEIGHT (Kg/ST)	3.8	총중량
GALV' W (Kg/ST)	-	3.8



UP'T NO.	B-3E7	PAINT CODE	
제작수량	1 EA.	UD	
ANGLE SIZE			
50X50X6T E.A	911	m	
-	-	E	
U-BOLT/NUTS			
DIA.	-		
	-		
WEIGHT Kg(ST)	4.0		
GALV' W Kg(ST)	-	총중량	4.0



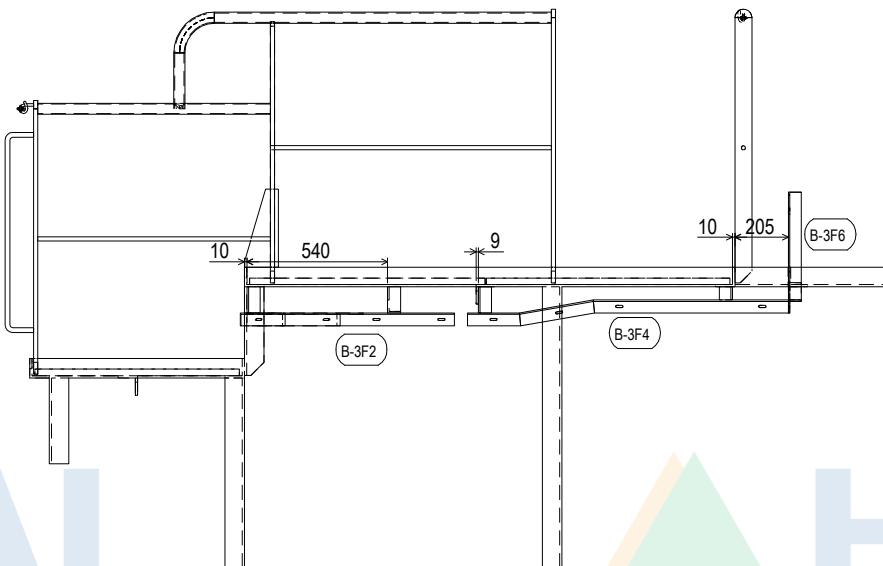


DETAIL OF PLATFORM (D16C0 - MU22 물량, MARK NO. : PF-U13C) (배관의뢰도) (1/2)

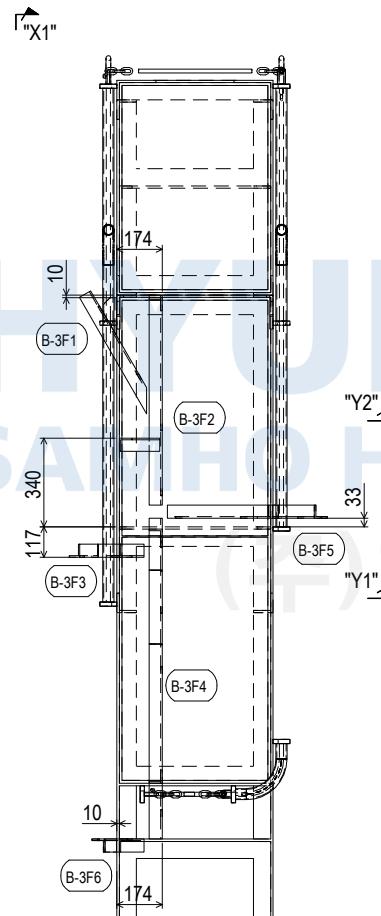
SHIP NO. 8105/8106/8107 030
DWG NO. D16C0-M34-56CB

배관의뢰 총중량 : 23.4 KG

"X1" VIEW



PLATFORM PLAN

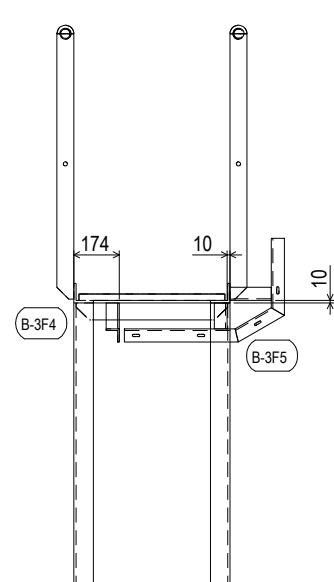


ISO VIEW

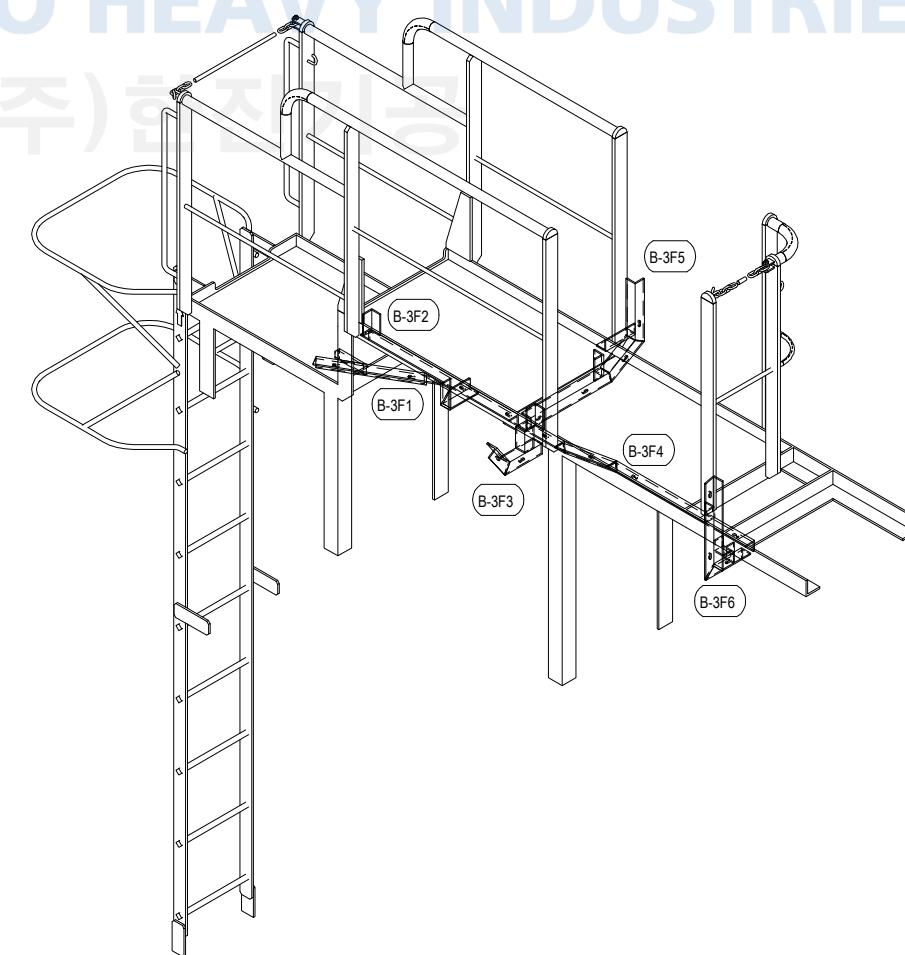
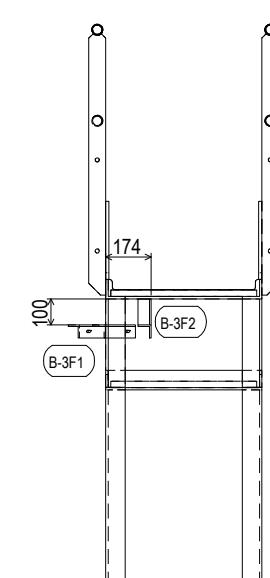
HYUNDAI
SAMHO HEAVY INDUSTRIES

(주)한진기공

"Y1" VIEW



"Y2" VIEW

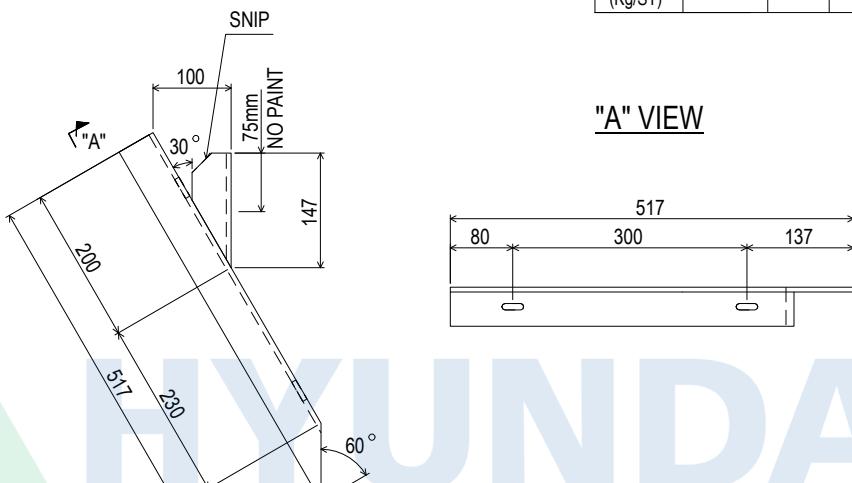




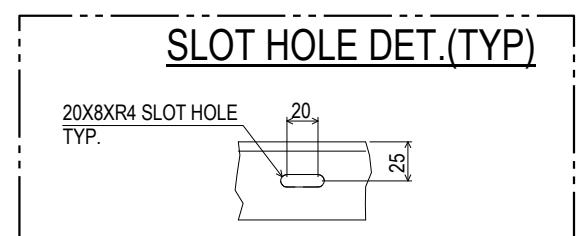
DETAIL OF PLATFORM (D16C0 - MU22 물량, MARK NO. : PF-U13C) (배관의뢰도) (2/2)

배관의뢰 총중량 : 23.4 KG

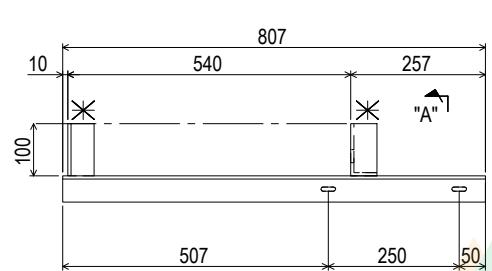
SUP'T NO.	B-3F1	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A		664
-		-
U-BOLT/NUTS		
DIA.		-
-	-	
WEIGHT (Kg/ST)	2.5	총중량
GALV' W (Kg/ST)	-	2.5



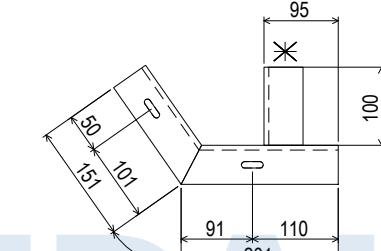
"A" VIEW



SUP'T NO.	B-3F2	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A	1162	m
-	-	E
U-BOLT/NUTS		
DIA.	-	
-	-	
WEIGHT (Kg/ST)	5.0	
GALV W (Kg/ST)	-	총중량 5.0



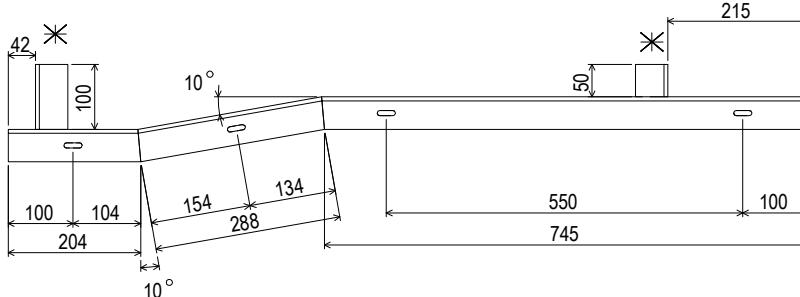
"A" VIEW



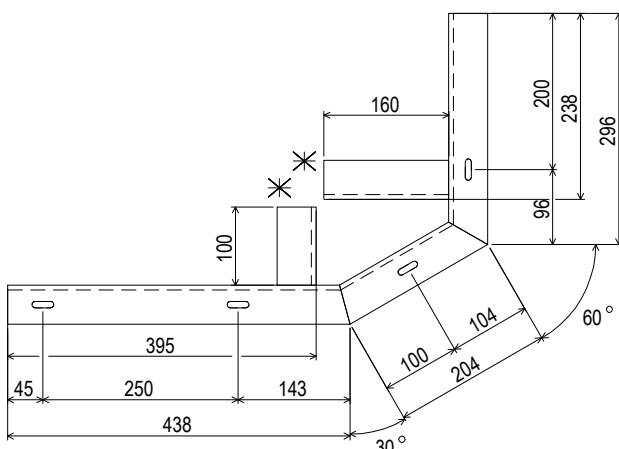
SUP'T NO.	B-3F3	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A	452	m
-	-	m
U-BOLT/NUTS		
DIA.	-	
-	-	
WEIGHT (Kg/ST)	1.8	
GALV W (Kg/ST)	-	총 중량 1.8

A technical drawing showing a trapezoidal structure. The top horizontal side is labeled 517. The bottom horizontal side is labeled 81. The left slanted side is labeled 230. An angle of 60° is indicated between the bottom horizontal side and the left slanted side.

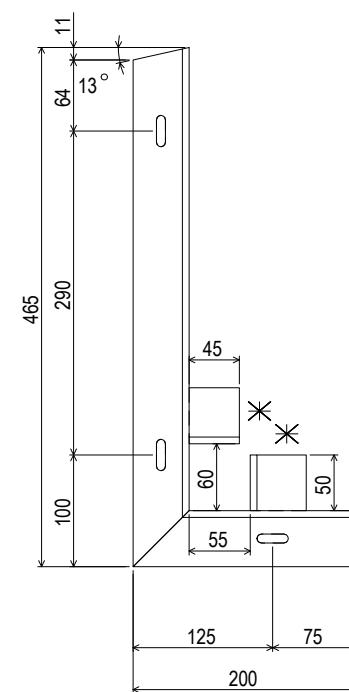
SUP'T NO.	B-3F4	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A		1327
-		-
U-BOLT/NUTS		
DIA.		-
-	-	
WEIGHT (Kg/ST)	6.1	총중량 6.1
GALV W (Kg/ST)	-	



SUP'T NO.	B-3F5	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A	1234	m
-	-	E
U-BOLT/NUTS		
DIA.	-	
-	-	
WEIGHT (Kg/ST)	5.0	
GALV W (Kg/ST)	-	총중량 5.0



SUP'T NO.	B-3F6	PAINT CODE	
제작수량	1 EA.	UD	
ANGLE SIZE			
50X50X6T E.A	790	m	
-	-	EA	
U-BOLT/NUTS			
DIA.	-		
-	-		
WEIGHT (Kg/ST)	3.0	총중량	3.0
GALV' W (Kg/ST)	-		



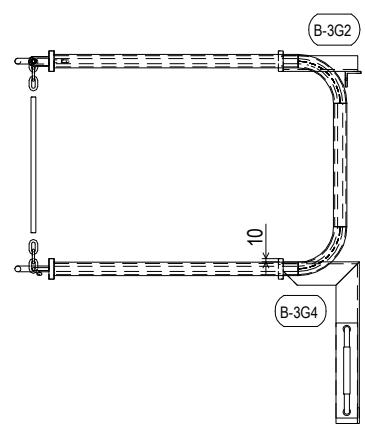


DETAIL OF PLATFORM (D16C0 - MU22 물량, MARK NO. : PF-U14C) (배관의뢰도)

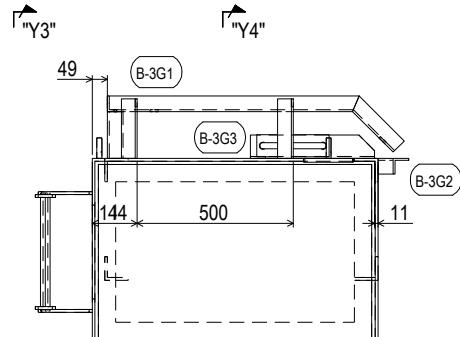
SHIP NO. 8105/8106/8107 032
DWG NO. D16C0-M34-56CB END

배관의뢰 총중량 : 20.0 KG

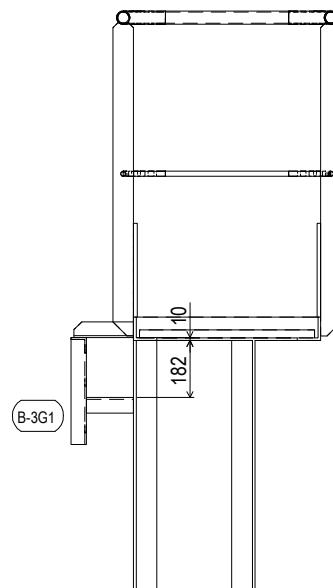
"Y1" VIEW



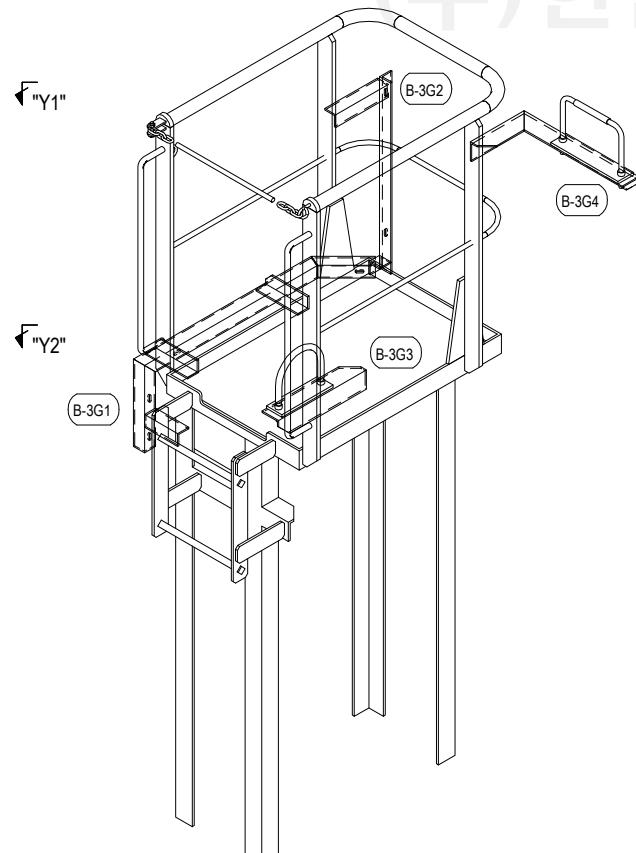
"Y2" VIEW



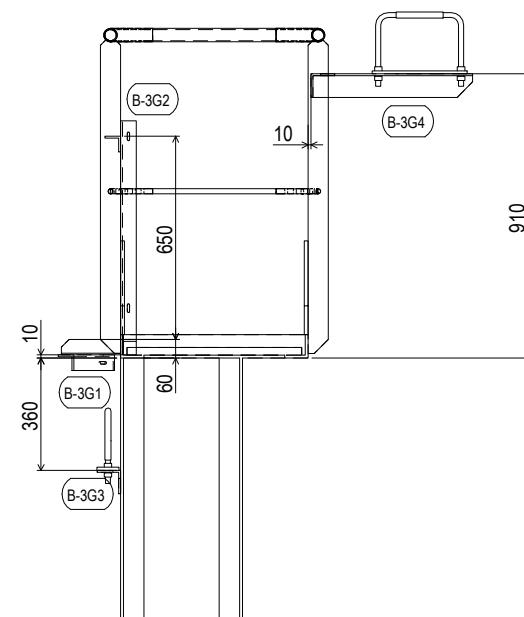
"Y3" VIEW



ISO VIEW

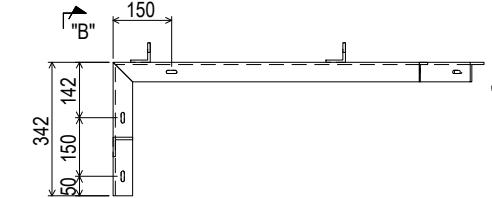


"Y4" VIEW

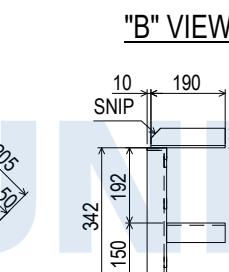


SUP'T NO.	B-3G1	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A	1,923	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
-	-	
WEIGHT (Kg/ST)	8.0	
GALV W (Kg/ST)	-	총중량 8.0

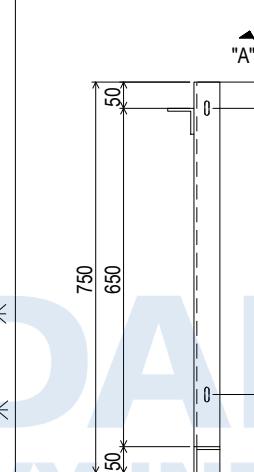
SUP'T NO.	B-3G2	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
50X50X6T E.A	1,039	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
-	-	
WEIGHT (Kg/ST)	4.6	
GALV W (Kg/ST)	-	총중량 4.6



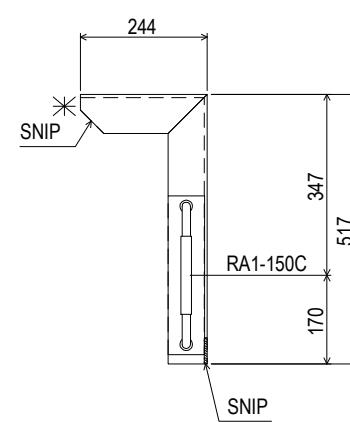
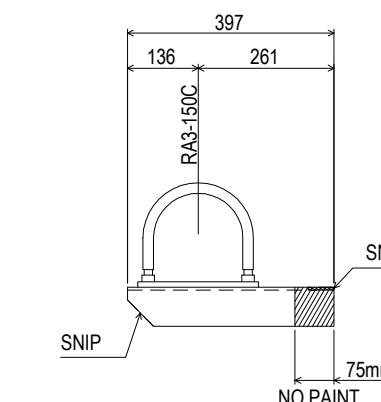
"A" VIEW



"B" VIEW



SUP'T NO.	B-3G4	PAINT CODE
제작수량	1 EA.	UD
ANGLE SIZE		
75X75X6T E.A	761	mm
-	-	EA
U-BOLT/NUTS		
DIA.	-	
RA1-150C	M16X150A (P/2=96, HOLE=Ø19)	
WEIGHT (Kg/ST)	2.6	
GALV W (Kg/ST)	-	총중량 2.6



◇ PLAN HISTORY ◇

도 막 보 호

DATE	REV.NO.	DESCRIPTION	DRAWN	CHKD	APPD
2022.01.24	0	8105/8106/8107 호선 의뢰용 도면으로 출도함	김준기	송영원	김태훈

(설치도면 포함)

※ NOTE

- 선장 설계 "MU22" PLATFROM에 UNIT하여 입고바랍니다.
- 선장설계 도면 NO. : D16C0-M34-56CB
- FINAL PAINTING 은 선장 UNIT 물량과 동일하게 적용바랍니다.
- 재질 : STEEL(SS400)

◇ SUMMARY TABLE ◇

POR NO.	REV.NO.	제작수량(EA)	중량(Kg)	PALLET NO.	설치부서명	비 고
	0	2	4.36			

◇ PAINTING SPEC. ◇

PAINT'G SYMBOL	PAINT ITEM OR AREA	MATERIAL	SHOP PRIMER	표면 처리	BRAND NAME OF PAINT AND ITS COLOR SHADE	D.F.T (μ)	REMARK
GAL'V	*SEAT *E.C.P BOX	STEEL STEEL	- -	1ST 1ST	EP 1760 GREY 1135 HOT DIP GALV'D	150 55 이상	선행
GAL'V	*MAIN/F.B TRAY *ANGLE & PIPE TRAY *ECP, G.T, MP BOX	STEEL	-	1ST	HOT DIP GALV'D	55 이상	
	*CABLE PROT. COVER *POST TYPE SEAT				KCC SHOP PRIMER IZ 182	15	
	*COAMING & SLEEVE						
후행 :	*SEAT	STEEL	NS	T3	1ST 2ND 3RD		후행
GAL'V	*E.C.P BOX	STEEL	-	-	1ST HOT DIP GALV'D	55 이상	
후행 : (GAL'V 후 FINAL 도장)	*MAIN/F.B TRAY *ANGLE & PIPE TRAY *ECP, G.T, MP BOX	STEEL	-	-	1ST HOT DIP GALV'D 2ND 3RD	55 이상	
	*CABLE PROT. COVER *POST TYPE SEAT						

◇ 모서리 부분 GRINDING 기준 ◇

1. 모든 제작품의 모서리 부분은 General spec. 6항을 참조하여 그라인딩 할것.

2. 적용기준 및 방법

기준	작업방법	적용구역	적용유무(O,X)	상세도 표기방법	비고
RC	1회 사상+BURR 제거	WEATHER PART		모서리 GRINDING : RC	
C	1회 사상	INDOOR PART		표기안함 (표준으로 적용)	EXCEPT "RC" ALL

3. 유첨 상세도에 표기된 "모서리 GRINDING : RC"는 1회사상 + BURR제거를 필히 시행할것.

◇ NOTE ◇

1. 표준사양서는 업무연락 D03600-480I-283을 참조할것.

2. 이종금속 및 특수용접 적용시 "STD FORM S-E-A4-EHSD-MFG-02-WSPEC"를 이용하여 해당항목에 ■ MARK하고 첨부할것.

: 유첨참조 (SEE PAGE /)

(05 SHEETS WITH COVER)

DEP'T NO.	SHIP NO.	SHIP TYPE
B128000	8105/8106/8107	174,000 CBM CLASS LNG CARRIER
TEL. NO.	SHIP DESIGN OFFICE ELECTRIC & ACCOMMODATION OUTFITTING DESING DEPT'	SHIP NAME
APPROVED BY	김 태 훈	TITLE
CHECKED BY	송 영 원	MFG DWG OF C/WAY & E/E SEAT IN PLATFORM UNIT (MU22)
DRAWN BY	김 준 기	BLOCK NO.: D15C(MU22 UNIT)
 HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD. SAMHO SHIPYARD, KOREA		SCALE NONE
DATE 2022.01.24		DWG NO. D16C0-M34-56CB
		CONSOLIDATED NO.

SHIP NO.	8105/8106/8107	01
DWG NO.	D16C0-M34-56CB	
SS NO.		
REV. DATE		

전계장 철의장품 표준사양서

GENERAL SPECIFICATION

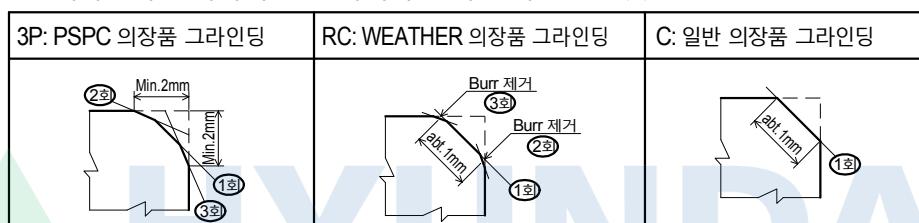
- 제작은 제작도 도면에 준하여 제작하고 도장 및 검사 완료후 입고 시킬것.
- 제작시 발생된 문제점, 불일치 내용, PENDING 사항은 당 설계부서와 협의후 제작할것.
- 제작시 치수 허용공차 : BOLTING HOLE : 0.1mm, OTHERS : 0.5mm
- 모든 제작품에 대하여 PAINTING 완료후 "SHIP NO.-POR NO.-BLOCK NO.(M/UNIT NO.OR LOT NO.)-PIECE NO."를 하기의 기준으로 표기하고 BLOCK 또는 LOT별로 묶어서 입고할것. (EX:S333-C01-E51P(M2A OR A,B,C)-CT001)

====하기=====

- A. 용접선 있는 자재 : 용접선 부근 50mm이내 PAINT MARKER 마킹 적용.
- B. 용접선 없는 자재 : 자재 인식표(TAG) 또는 안티 울트라테이프에 마킹후 부착.
- C. 적용대상 : 강재(STEEL, SUS, ALUMINUM, BRASS등)로 제작되는 모든 철의장품.
- D. 적용기준 : 자재지원부 업무연락 D0880-702-0230(2009.11.14자) 기준.

- SEAT는 제작도면에 표기된 TOP 방향 MARK(▲)와 선수, 선미, PORT/STBD 방향을 PAINT MARKER로 마킹할것.

- 모든 제작품의 모서리 부분은 하기와 같이 그라인딩 할것.



* 참고사항

PSPC : Performance Standard for Protective Coatings

3P : 3 Pass grinding

RC : 1회 사상 + burr 제거

C : 1회 사상

SHOP PRIMER or
ALKYD RESIN
MP-120 (KCC)

DECK or WALL

유첨 SPEC.
PAINTING

- HYUNDAI SAMHO STANDARD DRAWING을 확인하고 반드시 준수하여 제작할것.

- 모든 제작품의 YARD 용접부위 끝단(MARK: ▶) 15mm는 도금/도장이 되지 않도록 조치 할것.

- 도장 : DECK/WALL에서 15mm까지는 SHOP PRIMER 시공 할것.

- HOT DIP GALV.: DECK/WALL에서 15mm까지 ALKYD RESIN MP-120(KCC) COATING하여 도금 되지 않도록 할것.

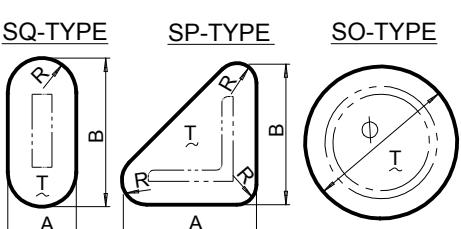
- SEAT LIST 및 제작도면에 표기된 EARTH BOLT/NUT는 해당되는 TYPE를 도면의 위치에 설치하고

입고시 BOLT가 풀리지 않도록 최대한 단단히 조여을것.

EARTH M'TL INFORMATION					APPRICATION (UNIT:MM)				
NO	DESCRIPTION	SIZE	M'TL	REMARK	APPLICATION	TYPE	L	A	REMARK
1	ROUND BAR	φ9 φ12 φ15 φ18	SUS304		SW-112-132	SW-112	9		
					SW-212-232	SW-212	12		WITHOUT INSULATION
					SW-312-332	SW-312	15		
					SW-412-432	SW-412	18		
2	HEX. BOLT	M6*20L M8*20L M10*20L M12*20L	SUS304		SW-112-132 (LTD SEAT)	SW-112	9		
					MIDDLE SIZE EQUIP SEAT COATING FOR STANDING EQUIP.	SW-212	12		
					SW-312-332 STR. M-JB. CONT.PANEL	SW-322	15		WITHOUT ~ 50MM INSULATION
					TR. LARGE PUMP DIG.RD/R'S-PANEL WINCH/WIND.LASS MOTOR	SW-422	18		
3	SPRING WASHER	M6 M8 M10 M12	SUS304		SW-112-132	SW-132	9		
					SW-212-232	SW-232	12		
					SW-312-332	SW-332	15		75MM INSULATION
					SW-412-432	SW-432	18		

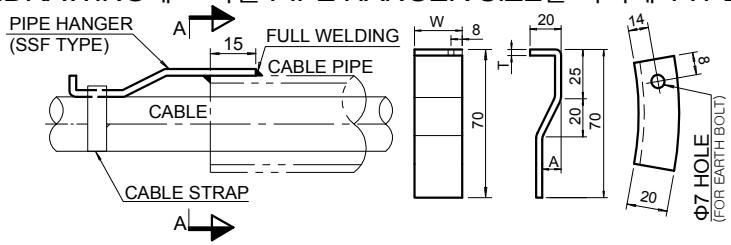
- 도면에 표기되지 않은 모든 제작품의 WELDING은 FULL WELDING이 원칙임.

- DRAWING에 표기된 PAD SIZE는 하기의 TYPE에 준하여 사용할것.



MARK NO.	AxB or Φ	T	R	PURPOSE	WEIGHT	MARK NO.	AxB or Φ	T	R	PURPOSE	WEIGHT
SQ-1	30x60	8	15	25x4.5t F.B.	0.06	SP-4	90x90	8	10	65x65 E.A.	0.32
				38x4.5t F.B.							
SQ-2	30x80	8	15	50x4.5t F.B.	0.10	SP-7	100x100	10	10	75x75 E.A.	0.48
				50x4.5t F.B.							
SP-1	50x50	8	10	25x25 E.A.	0.11	SO-1	Φ80	10	15	SPP-40A PIPE	0.40
				30x30 E.A.							
SP-2	60x60	8	10	40x40 E.A.	0.15	SO-3	Φ90	10	15	SPP-50A PIPE	0.50
SP-3	70x70	8	10	50x50 E.A.	0.20	SO-4	Φ105	10	15	SPP-65A PIPE	0.70
							Φ120	10	15	SPP-80A PIPE	0.90

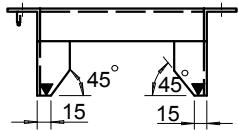
- DRAWING에 표기된 PIPE HANGER SIZE는 하기의 TYPE에 준하여 작업할것.



TYPE	W	A	T	R	REMARK
SSF1	25	10	4.5	20	FOR 25A, 32A PIPE
SSF2	38	12	4.5	30	FOR 40A, 50A PIPE
SSF3	50	15	4.5	45	FOR 65A, 80A PIPE

* 100A/125A PIPE: SSF3x2EA , 150A PIPE: SSF3x3EA

* 특기외는 E.C.P 제작도면에 명기된 HANGER TYPE 및 수량을 참조할것.



- SEAT 제작시 SNIP MARK가 표기된 SEAT SUPPORT에는 우측과 같이 SNIP처리를 할것.

(PIPE TYPE, FLAT BAR TYPE SUPPORT는 적용하지 않음)

- MAIN CABLE TRAY의 입고용 PALLET 높이는 1m를 넘지 않도록 할것.

* 이종 금속간 및 특수용접시 용접봉 적용기준

- a. 제작품 적용 : 제작도 COVER의 NOTE란에 명기된 PIECE를 적용여부에 MARK된 부분을 적용.
 b. 설치품 적용 : 설치도 COVER의 NOTE란에 명기된 PIECE를 적용여부에 MARK된 부분을 적용.

ITEM		용접기법	의장재 조합	AWS Spec.	용접봉 재료명	WPS No.	적용여부	비고
Aluma	FCAW	Carbon Steel	E309LT1-1	SW-309L	선체FC-064	<input type="checkbox"/>		
SUS	FCAW	SUS304L + SUS304L	E308LT1-1	SW-308L	선체FC-60/의장-9/11	<input type="checkbox"/>		
vs	GTAW	SUS304L/316L + SUS316L	E316LT1-1	SW-316L	선체FC-60~61/의장-15/17	<input type="checkbox"/>		
SUS	FCAW	SUS304L + SUS304L	ER308L	ST-308L	의장-6/7/11	<input type="checkbox"/>		
vs	GTAW	SUS304L/316L + SUS316L	ER316L	ST-316L	의장-12/13/17	<input type="checkbox"/>		
SUS	FCAW	Carbon Steel + SUS304L	E309LT1-1	SW-309L	의장-20/22	<input type="checkbox"/>		
vs	GTAW	Carbon Steel (Casting)+SUS316L	E309LMoT1-1	SW/SB-309MoL	선체FC-63/의장-25/27	<input type="checkbox"/>		
Steel	GTAW	Carbon Steel + SUS304L	ER309L	ST-309L	의장-18/21/22	<input type="checkbox"/>		
		Carbon Steel + SUS316L	ER309LMo	ST-309L.MoL	의장-23/26/27	<input type="checkbox"/>		
		Copper + Copper	ERCU, ERCuSi-A	GRICU T SICU/SIN/SIMA, A381, TC-T100	의장-28	<input type="checkbox"/>		
		Copper + Al-Brass/Al-Bronze/ Carbon steel	ERCuAl-A2, ERCuAl-A1	GRICU T ALBZ8/ALBZ9,	의장-29/30/36	<input type="checkbox"/>		
		Al-Bronze/Brass + Al-Brass Cuni + Al-Brass(Bronze)/ Carbon Steel	ERCuNi	TC-T600	의장-32/33	<input type="checkbox"/>		
		Al-Brass + Carbon Steel		GRICU T CuNi 90/10(70/30) TC-T800	의장-34/35	<input type="checkbox"/>		
		CuNi + CuNi	FB4-A	BCuP-3/5	의장-37	<input type="checkbox"/>		
		Cu, Cu Alloy			의장-31	<input type="checkbox"/>		
Torch	Brazing	Cu, Cu Alloy, Carbon Steel, Stainless Steel	FB4-A	BCuZn-1	의장-38/39	<input type="checkbox"/>		
		Al-Brass	FB4-A	BAg-5	의장-40	<input type="checkbox"/>		
				BAg-4	의장-41	<input type="checkbox"/>		
				BAg-5, BAg-7	의장-42	<input type="checkbox"/>		

* 이종 금속간 및 특수용접 적용 PIECE NO. :

SHIP NO.	8105/8106/8107	02
DWG NO.	D16C0-M34-56CB	
SS NO.		
REV. DATE		

전계장 철의장품 표준사양서

GENERAL SPECIFICATION FOR DISSIMILAR METALS



PROTECTIVE FLAT-BAR TYPE CABLE TRAY (PFB-TYPE)

TYPE-(1)

Dimensions: L Max.1000, W, D, H≤150(4.5t *38 F.B) H>150(40*40*5t E.A). TYP. 15° 50, 5. P1, P2.

TYPE-(2)

Dimensions: a (Max.1000), b (Max.1000), c (Max.1000), W, D, H≤150(4.5t *38 F.B) H>150(40*40*5t E.A). TYP. 15° 50, 5. P1, P2, P3, P4.

TYPE-(3)

Dimensions: L, W, D, H≤150(4.5t *50 F.B) H>150(40*40*5t E.A). TYP. 15° 55, 5. 2-315*10 SQ. HOLES, 460*10 SQ.HOLES(PFA-4C). P1, P2.

TYPE-(4)

Dimensions: a (Max.1000), b (Max.1000), c (Max.1000), W, D, H≤150(4.5t *50 F.B) H>150(40*40*5t E.A). TYP. 15° 55, 5. 4-315*10 SQ. HOLES. P1, P2, P3, P4.

*Note.:1) Support가 Flat Bar Type 인 경우 지그재그로, Angle인 경우 한 방향으로 설치 제작할 것.

SYMBOL	TYPE	L	W	D	MATERIAL	REMARK
PFB-1A/1C	(1)	800/500	25	70,120,170,210,260,310,360,410	4.5t X 25FB	Max.1100
PFB-1B/1D	(2)	1600/2600	25		4.5t X 25FB	Max.2600(Max.2100: Support 3EA)
PFB-2A/2C	(1)	800/500	38		4.5t X 38FB	Max.1100
PFB-2B/2D	(2)	1600/2600	38		4.5t X 38FB	Max.2600(Max.2100: Support 3EA)
PFB-3A/3C	(1)	800/500	50		4.5t X 50FB	Max.1100
PFB-3B/3D	(2)	1600/2600	50		4.5t X 50FB	Max.2600(Max.2100: Support 3EA)
PFB-4A/4C	(3)	800/500	100		4.5t X 100FB	Max.1100
PFB-4B/4D	(4)	1600/2600	100		4.5t X 100FB	Max.2600(Max.2100: Support 3EA)

* 설치도면 표기 기준

TRAY LENGTH
(A:800,B:1600,C:500)

TRAY WIDTH

SUPPORT LENGTH

(70:07, 120:12,...)

TRAY HEIGHT OF INSTALLATION

→ PLAN만 적용(상:H, 하:h)

DECK에 직접 설치되는 경우 생략

[NOTE]

Ex)PEB2A-07-H870

1) EB TRAY 길이(L)이 1000 이하인 경우 Type-(1)(3). 초과하는 경우 Type-(2),(4)로 제작할 것.

SHIP NO.	8105/8106/8107	04
DWG NO.	D16C0-M34-56CB	04
HS NO.		
REV. DATE		

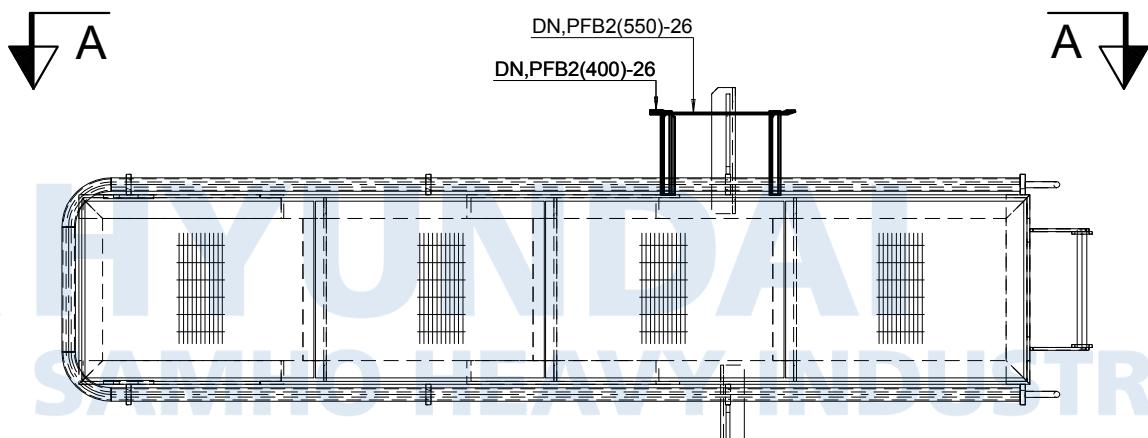


DETAIL OF PLATFORM (MU22, MARK NO. : PF-U12C)

※ NOTE

1. 전장 CABLE 용 전로 설치도면입니다.
2. 설치 PLATFORM MARK NO. : "PF-U12C"
3. FLAT BAR 사이의 간격은 MAX 200MM 이내로 설치바랍니다.
4. 전장 CABLE TRAY와 배관 MULT CORE용 TRAY는 이격설치 바랍니다.

PLAN VIEW



(주)한진기공

A - A VIEW

