


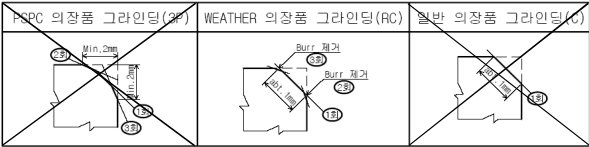
PLAN HISTORY					
DATE	REV. NO.	DESCRIPTION	DRAWN	CHECKED	APPROVED
2022. 03. 17	0	8139,8148/8149 호선 LADDER & PLATFORM (PASSAGE) 제작 도면으로 작성함.	박준영	권승현	황규성
					

NOTE					
	ITEM	IN SIDE & OUT SIDE			
	ALL	FINAL	SHOP PRIMER	PRIMER	

NOTE

1. 본도는 LADDER & PLATFORM (PASSAGE) 제작 도면임.

2. 모서리 부분은 하기와 같이 GRINDING 할 것.



3. 용접은 특기와 하기 표 참조하고 연속 용접 할 것.

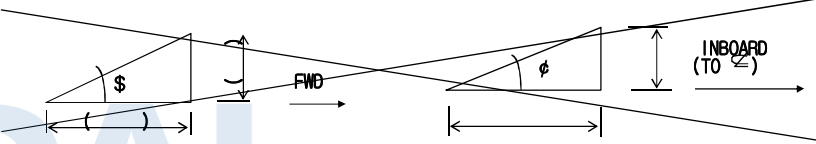
* THE LEG LENGTH OF FILLET WELD TO BE AS FOLLOWS.

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 :



5. 한 도면에서 서로 상이부분이 있거나 제작상 문제점 발생시 필히 당부와 협의/확정 후 제작 완료할 것.

6. 본 도면상에 표기된 자재 중 SS400 ,단조품(SF자재) 및 용접되는 주강품(SC42)은 탄소(C) 함유량이 0.23% 이하가 되어야 함에 유의할 것 (자재 MILL SHEET 제출 요). 또한, 주강품은 용접 시 PRE-HEATING(200℃) 한 후 용접하여 용접균열을 방지할 것.

7. BOLT 길이는 NUT 체결후 ABT. 2~3 산이 남도록 할 것.

8. 이름/경고판 시공기준 : 모든 이름/경고판은 전면에 페인트나 신나에 녹지않는 비닐테이프를 부착한 상태로 뒤집어 조립하고, 그 후면에 도어 또는 밴트(VENT) 이름을 매직펜으로 기록하여 입력하고, 야드에서 정방향 설치시 나사산의 위치가 불일치 되지 않도록 구멍의 간격을 잘 유지하여 입고 할 것.


(이름, 경고판 재질: SUS316 & SUS316 SCREW BOLT)

9. 그리스 니뿔 : JIS B 1571 A-PT 1/8" BALL TYPE 러버캡을 씌울것(MAT'L : BRASS)

10. P.O.R NO. : JP3

11. TOTAL WEIGHT : 1175.7 KG/SHIP

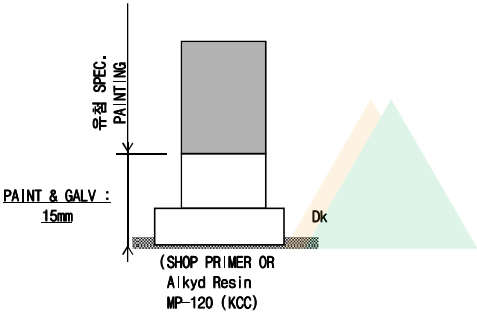
(표지 포함 13 매)

DEPT. B026	SHIP NO. 8139,8148/8149	SHIP TYPE 174,000 CBM CLASS LNGC (MARK III FLEX, MEMB., ME-GA)
TEL. 2909	부서명 선 장 설 계 부	도 면 명
승 인 황 규 성	검 도 권 승 현	작 성 박 준 영
 HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD. SAMHO SHIPYARD, KOREA		도 면 번 호 D35C0-C26-56CB - 0
		날 짜 2022. 03. 17



製作仕様書(외주구매용)

- 1. GALV. 두께 : HOT DIP GALV. 55~80 μ (단, BOLT/NUT류는 45~65 μ 시공)
- 2. GREASE NIPPLE은 FULL GREASING하고 규정된 고무 CAP을 씌울것.
- 3. SS400이 아닌 재질의 BOLT/NUT는 재질을 PUNCHING할것.
- 4. 도장 : 유침 SPEC.에 준하되 특히 DECK에 취부되는 부위는
DECK OR WALL에서 15mm까지는 SHOP PRIMER 시공할 것.
- 5. HOT GALV. : DECK/WALL에서 취부되는 부위는 DECK/WALL에서 15mm까지는
Alkyd Resin MP-120(KCC) Coating 하여 도금이 되지 않도록 할것.



- 6. GALV.용 HOLE 시공할 경우는 GALV.후 메공하고 GALV. 손상부위 수정 후
입고할 것.
- 7. 납품 시 P.O.R SHEET와 유침도를 첨부할 것.
- 8. MAKER CERTIFICATE (특수재료는 MILL SHEET) 를 첨부할 것.
- 9. 무도장으로 입고되는 품목으로서 그 품목의 일부분이 도금이 되어있는 경우는
SHOT BLASTING으로부터 도금부분이 훼손되지 않도록 보호 MASKING을 하여 입고할 것.
(단, 도금표면에 다시 PAINTING하는 경우는 제외됨)
- 10. 의장품 자재 PALLET 고박용 번선 및 고박 ITEM에 대한 묶음 WIRE(철사)는 필히
부식 방지용 COATING WIRE를 사용하여 입고시킬 것.
- 11. 의장품 자재 입고시 상.하.좌.우로 움직일수 있는 항목들은 상기 10)번항에 의거하여
반드시 고박하여 입고할 것.(안전사고 사전방지)
- 12. 납품 시 하기와 같은 TAG를 식별하기 쉬운 위치에 적의 부착하여 입고할 것.


- 1) 용접선 있는 자재는 용접선 부근 50mm 이내 PAINT MARKER 마킹 적용
(설치 후 은폐 도장작업 쉽게 하기 위함)
 - 2) 용접선 없는 자재는 자재 인식표(TAG) 또는 안티 울트라테이프에 마킹 후 부착
(자재 TAG 및 안티 울트라테이프 제거는 의장 1,2부에서 실시함)
 - 3) 적용대상 : 강제로 제작되는 모든 철의장품
 - 4) MARKING 방법 : SHIP NO., BLOCK NO., POR NO., MARKING(PC'S) NO.

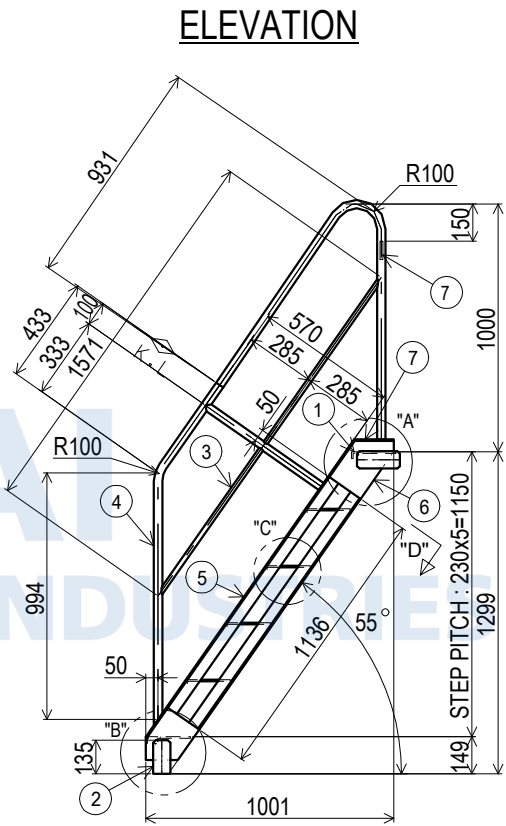
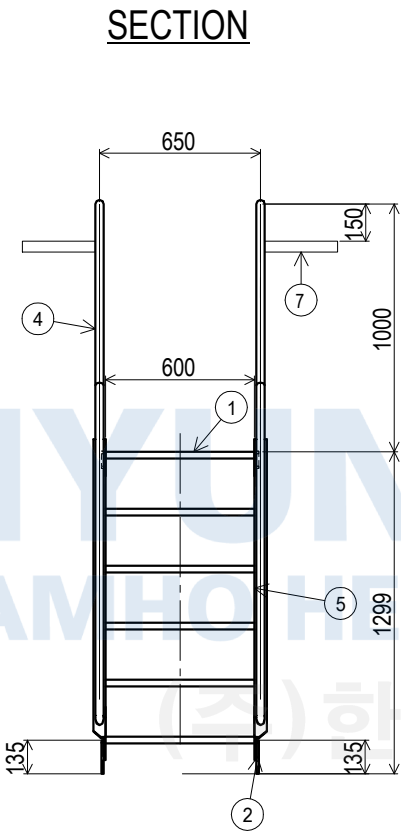
제품품별 납기 LIST

SHIP NO.	8139,8148/8149	01
DWG NO.	D35C0-C26-56CB	

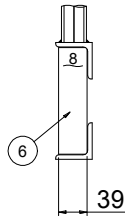
P.O.R NO	SEQ NO	BLOCK	STAGE	MARK NO	DESCRIPTION	PAINT CODE	Q'TY /SHIP	WEIGHT (KG/SET)	설치부서
JP3	01	D31P0	CS	IL-P01P	INCLINED LADDER	P2	1	96.1	
	02	D31S0	CS	IL-P01S	INCLINED LADDER	P2	1	96.1	
	03	D37P0	CS	IL-P02P	INCLINED LADDER	P2	1	172.6	
	04	D37S0	CS	IL-P02S	INCLINED LADDER	P2	1	172.6	
	05	D34P0	CS	VL-P01P	VERTICAL LADDER	P2	1	146.6	
	06	D35S0	CS	VL-P01S	VERTICAL LADDER	P2	1	166.1	
	07	D35S0	CS	VL-P02S	VERTICAL LADDER	P2	1	63.0	
	08	D37P0	CS	PF-P01P	PLATFORM	P2	1	94.7	
	09	D37S0	CS	PF-P01S	PLATFORM	P2	1	87.9	
	10	D31P0	C1	PF-P02P	PLATFORM	P2	1	15.6	
	11	D31S0	C1	PF-P02S	PLATFORM	P2	1	15.6	
	12	D40P0	C1	PF-P03P	PLATFORM	P2	1	24.4	
	13	D40S0	C1	PF-P03S	PLATFORM	P2	1	24.4	

HYUNDAI
SAMHO HEAVY INDUSTRIES
(주)한진기공

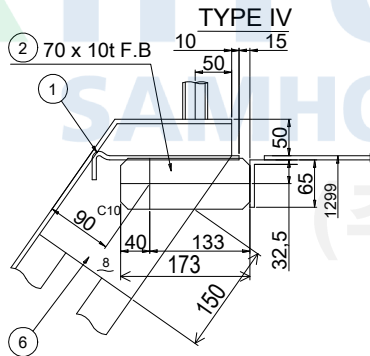
	DET. OF INCLINED LADDER			SHIP NO.	8139,8148/8149		03
				DWG. NO.	D35C0-C26-56CB		
BLOCK NO.		MARK NO.	Q'TY/SHIP	WEIGHT(kg)	PAINT SYMBOL	POR NO.	REMARK
D31P0		IL-P01P	1	96.1	P2	JP3	
D31S0		IL-P01S	1	96.1	P2	JP3	



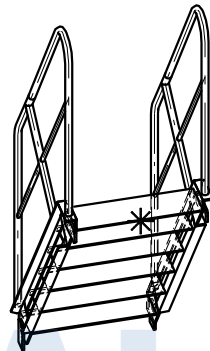
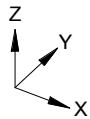
DET. OF "D"



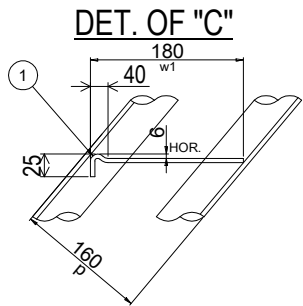
DET. OF "A"



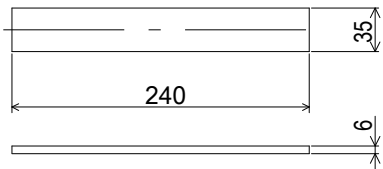
ISO VIEW



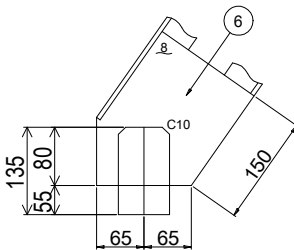
<GENERAL NOTE>



ANTI-VIBRATION
고박하여 입고할 것. ⑦



DET. OF "B"



07	6t Plate	SS400	4ea	1.5	
06	8t Plate	SS400	4ea	8.4	
05	50x50x6T E.A	SS400	5204mm	23.0	
04	25A pipe	SPP	7863mm	19.1	
03	19 R.B.	SS400	3142mm	6.8	
02	70x10T F.B	SS400	616mm	3.3	
01	6t CH. PL (Step)	SS400	6ea	34.0	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK

Ship No: 8139,8148/8149

HDS NO: 3450-5/10

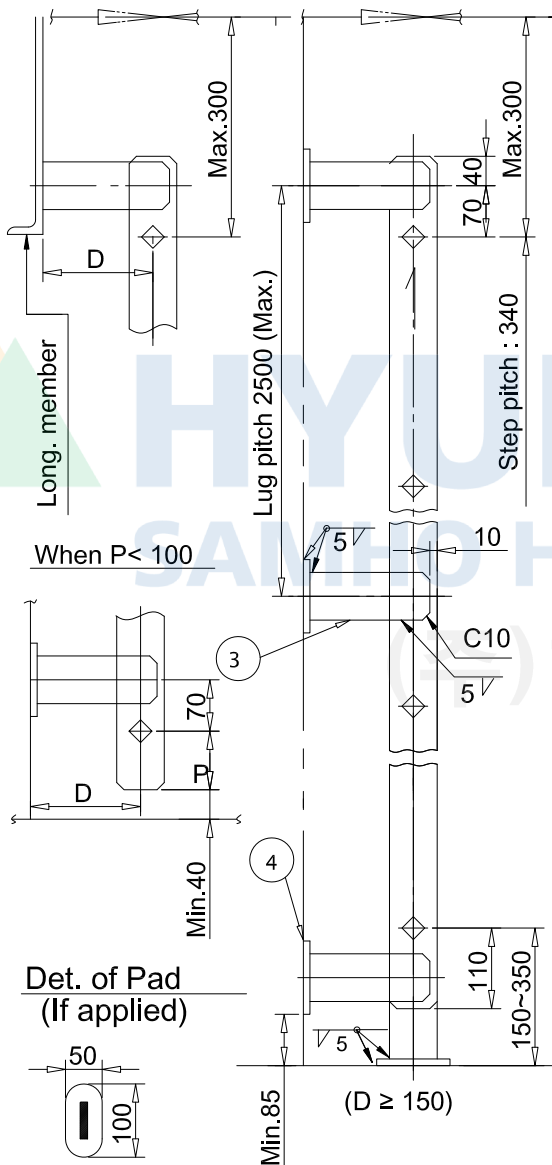


Vertical Ladder (VL-A)

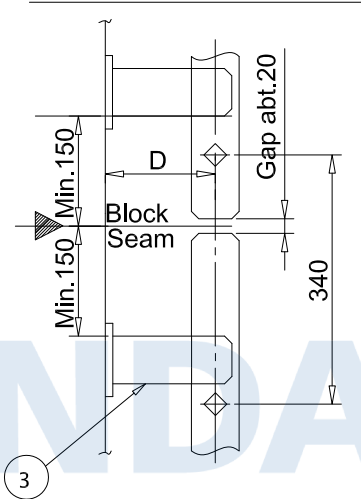
DATE	91	98	98	10	20
10/14	10/12	12/08	3/4	7/3	

NO	Description	Spec	Mat'l	Weight	Remark
1	Side frame	65 X 9t F.B	SS400 or SS275	4.59/m	painted
2	Step	22 Sq.B	SS400 or SS275	3.80/m	painted
3	Lug	65 X 9t F.B	SS400 or SS275	0.76/ea	painted
4	Pad	9t Plate	SS400 or SS275	0.35/ea	If applied

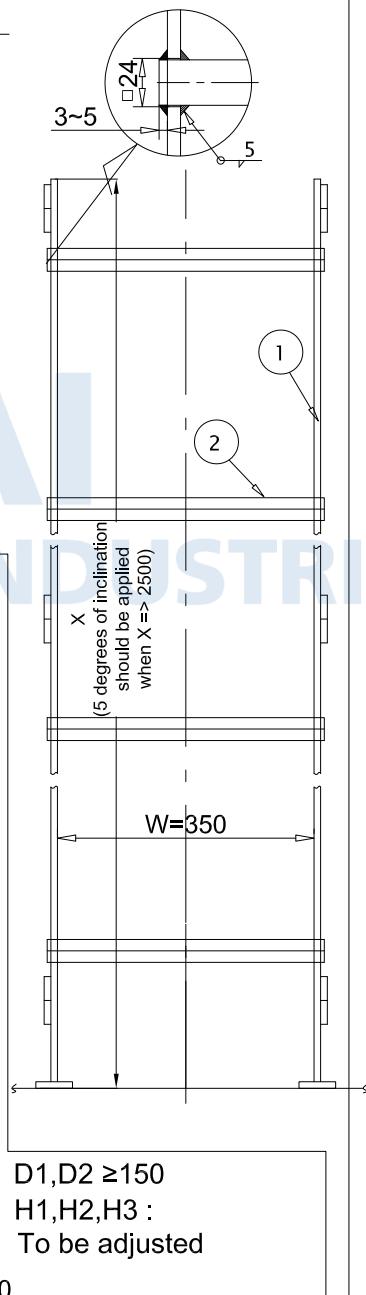
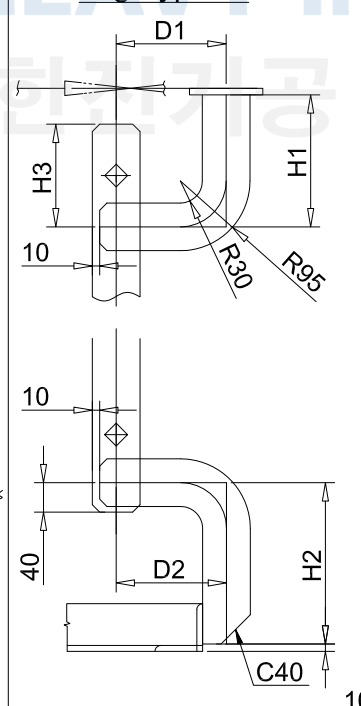
Lug Type 'I'



Det. of Connection



Lug Type 'II'

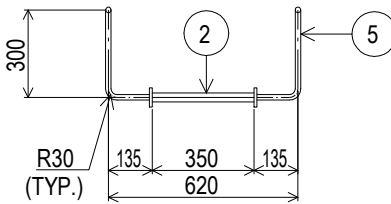


"참조용"

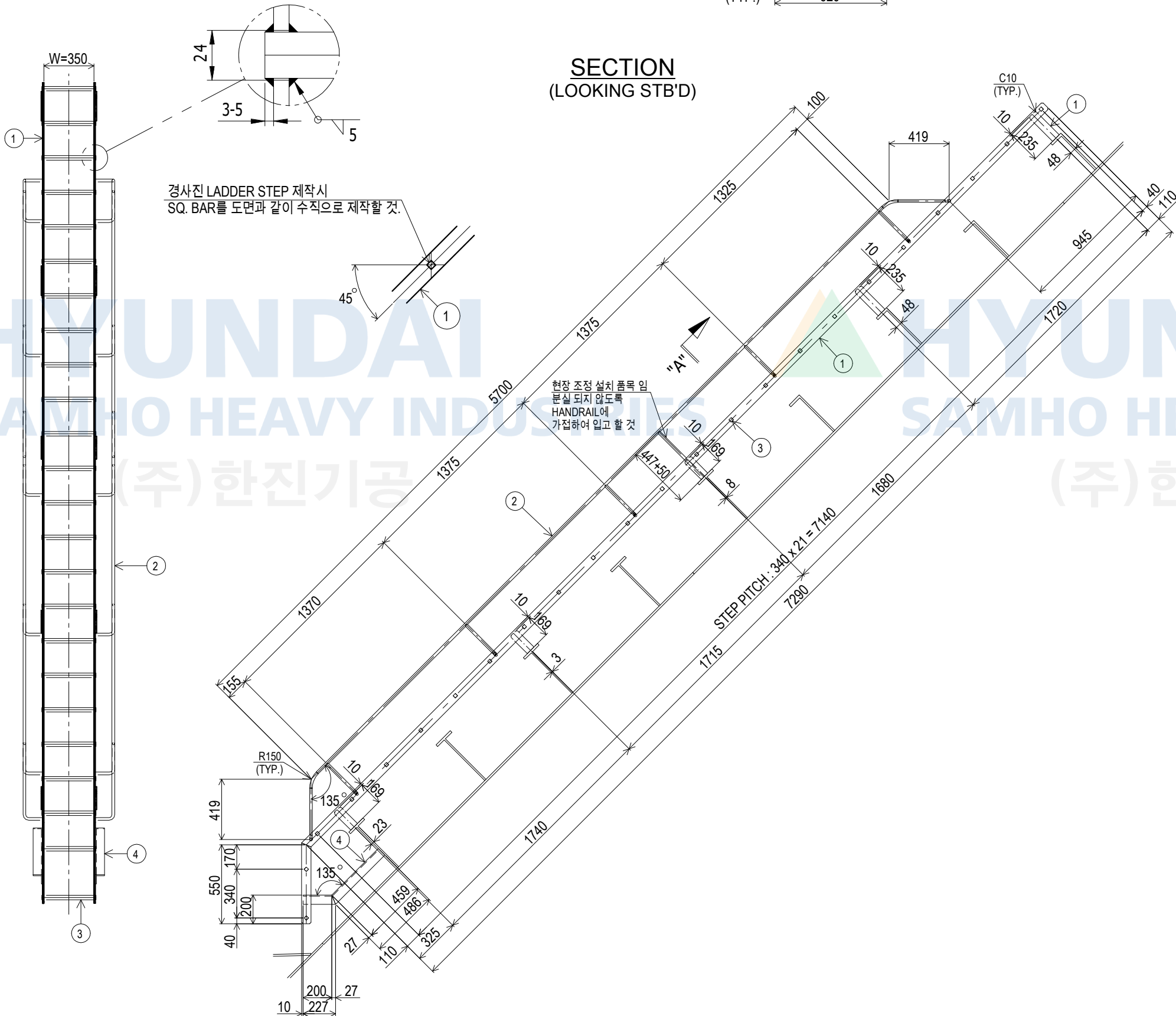
Note

- Application : All space except vent mast
- 5 degrees of Inclination for in way of weather deck, indoor part to be applied, if applicable(when X => 2.5m)
- Surface treatment shall be done in accordance with painting specification.
- Det. of connection : Shall be applied between ladders when ladders are installed in way of block welding seam or fabrication welding seam of mast/post body.

VIEW "A"

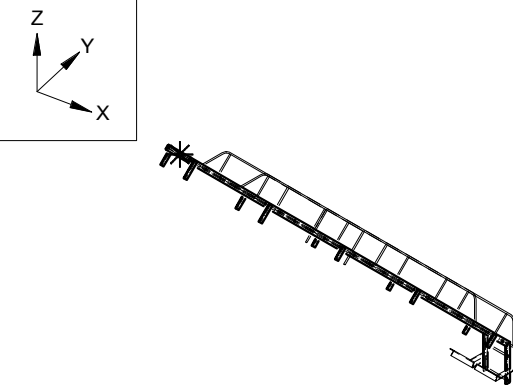


SECTION
(LOOKING STB'D)



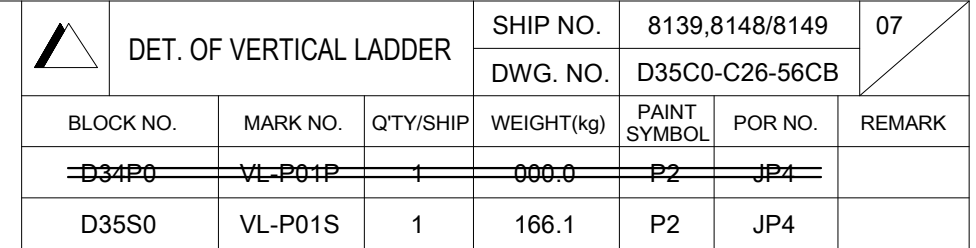
DET. OF VERTICAL LADDER			SHIP NO.	8139,8148/8149	06	
			DWG. NO.	D35C0-C26-56CB		
BLOCK NO.	MARK NO.	Q'TY/SHIP	WEIGHT(kg)	PAINT SYMBOL	POR NO.	REMARK
D34P0	VL-P01P	1	164.6	P2	JP4	
D35S0	VL-P01S	1	000.0	P2	JP4	

ISO VIEW X: FR62 - 1100 Y: FR17 - 30 Z: 32331

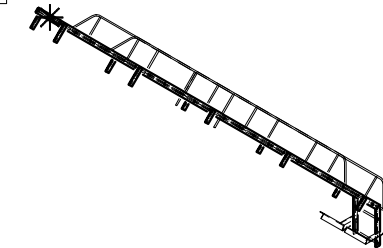
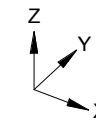


<GENERAL NOTE>

04	65x65x8T E.A	SS400	1318mm	10.3	
03	22X22 SQ.B	SS400	9072mm	34.5	
02	19 R.B.	SS400	17919mm	38.9	
01	65x9T F.B	SS400	17691mm	80.9	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK

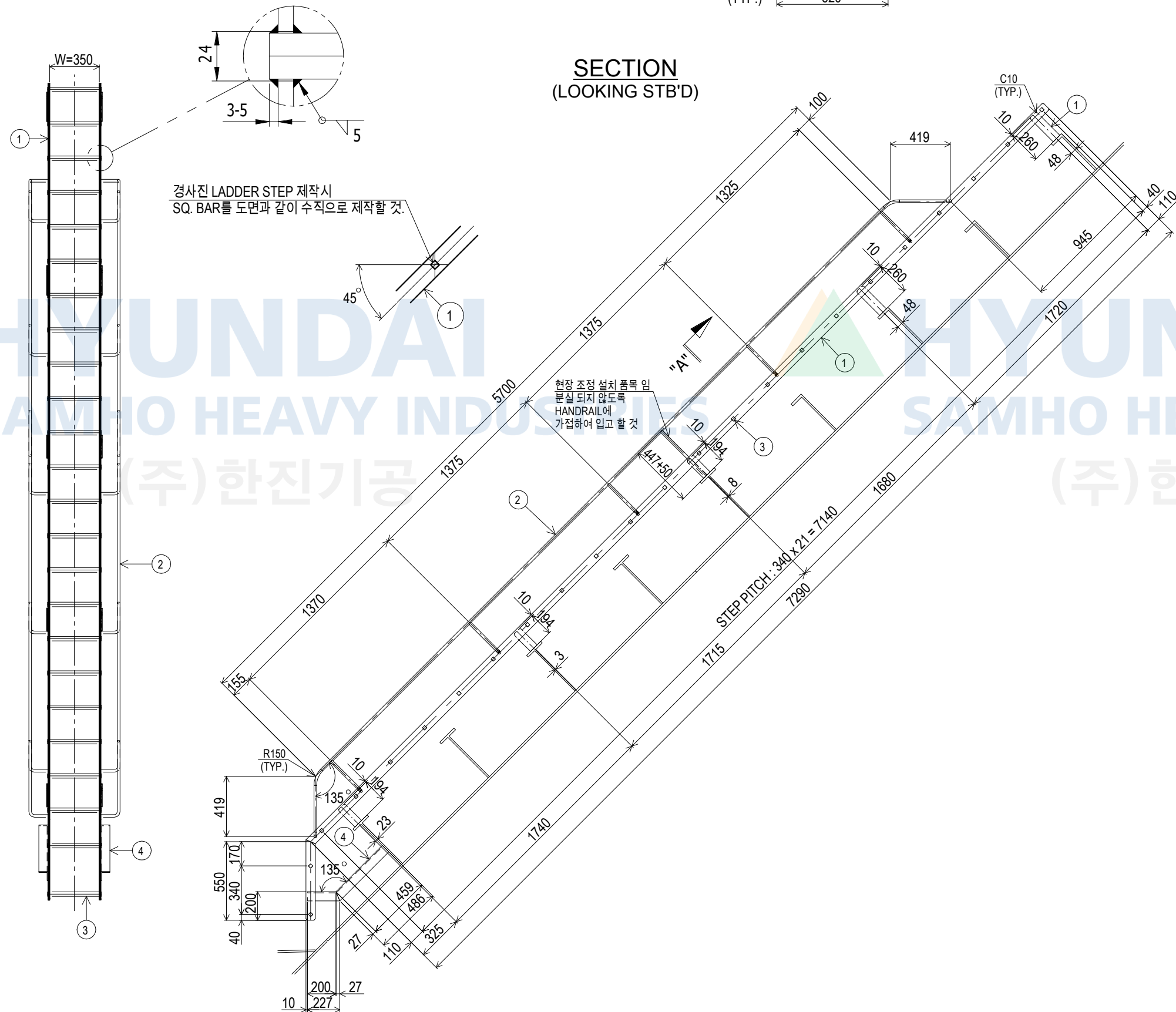


ISO VIEW	X: FR62 - 1100	Y: FR17 - 30	Z: 32331
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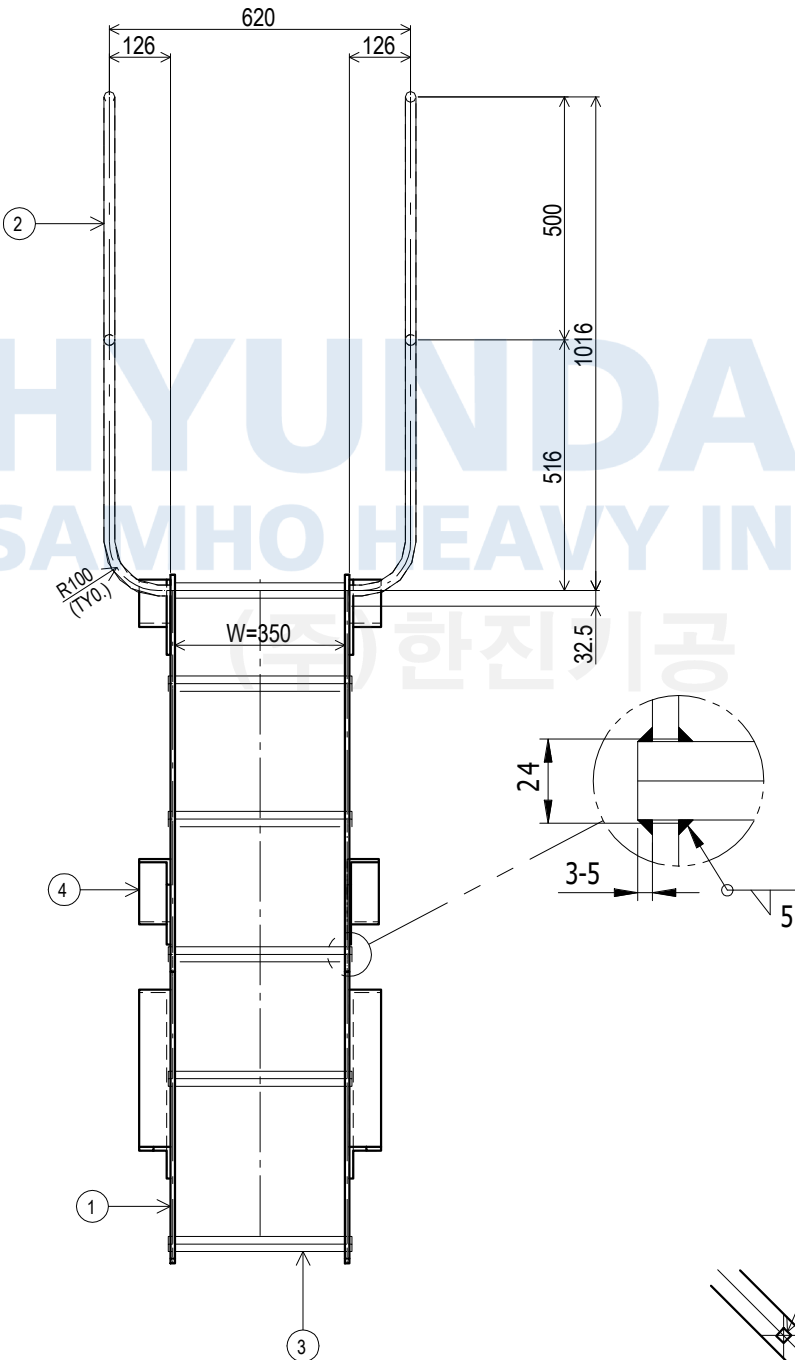
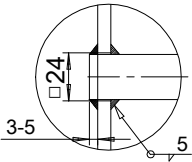


<GENERAL NOTE>

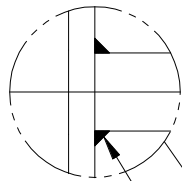
04	65x65x8T E.A	SS400	1318mm	10.3	
03	22X22 SQ.B	SS400	9072mm	34.5	
02	19 R.B.	SS400	17919mm	38.9	
01	65x9T F.B	SS400	17901mm	82.4	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK



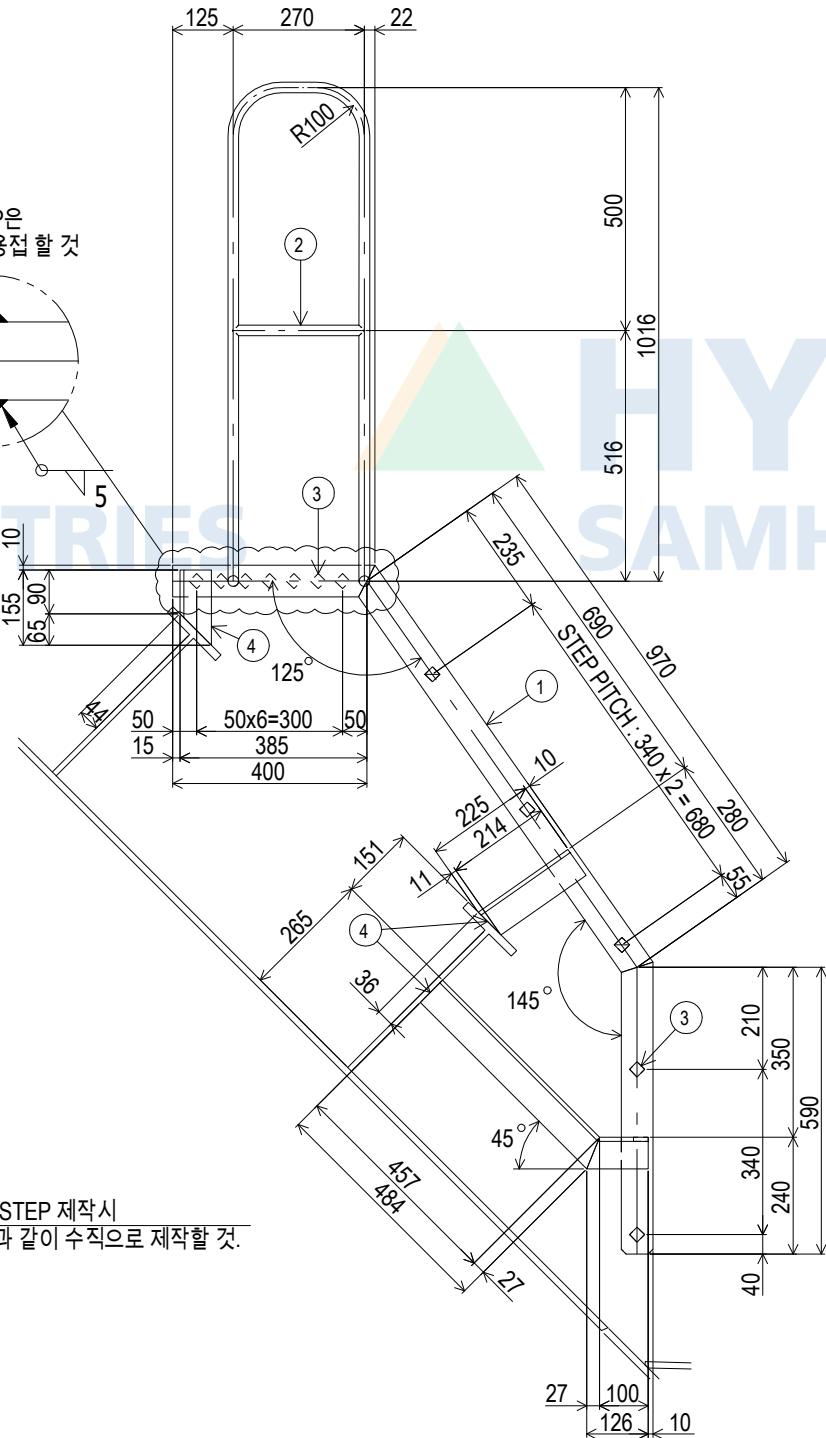
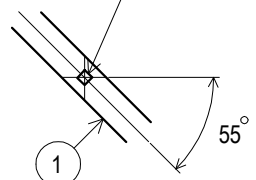
DET. OF "A"



상부 STEP은
F.B 면에 용접 할 것

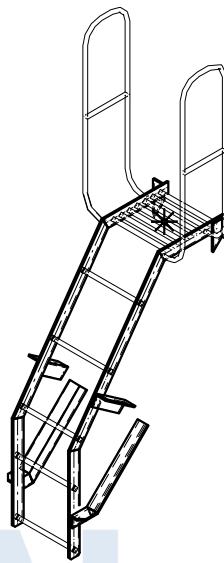
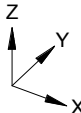


경사진 LADDER STEP 제작시
SQ. BAR를 도면과 같이 수직으로 제작할 것.



	DET. OF VERTICAL LADDER			SHIP NO.	8139,8148/8149		08
				DWG. NO.	D35C0-C26-56CB		
BLOCK NO.	MARK NO.	Q'TY/SHIP	WEIGHT(kg)	PAINT SYMBOL	POR NO.	REMARK	
D35S0	VL-P02S	1	63.0	P2	JP4		

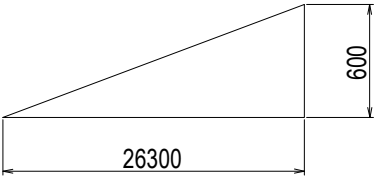
ISO VIEW X: FR63 + 1549 Y: FR-23 + 230 Z: 28051



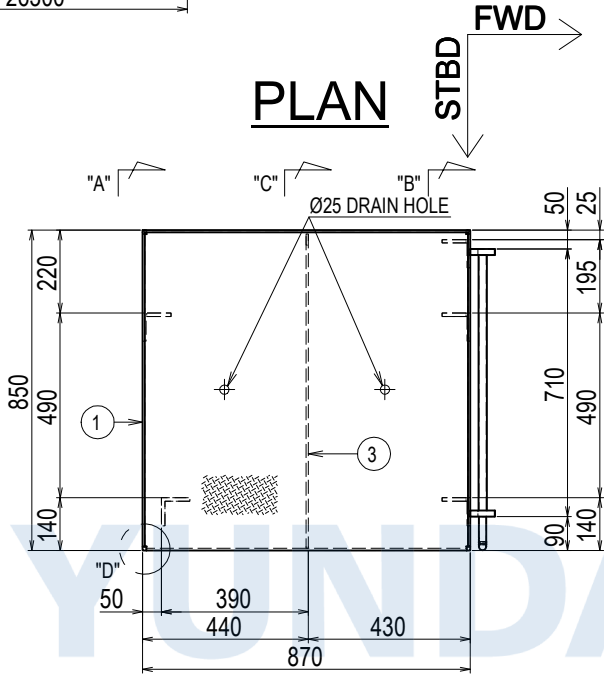
<GENERAL NOTE>

04	65x65x8T E.A	SS400	1981mm	13.8	
03	22X22 SQ.B	SS400	4340mm	16.5	
02	22 R.B.	SS400	5303mm	15.4	
01	65x9T F.B	SS400	3869mm	17.3	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK

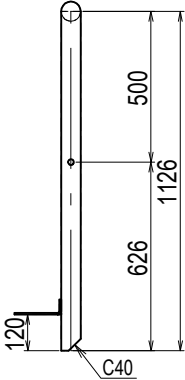
DECK CAMBER



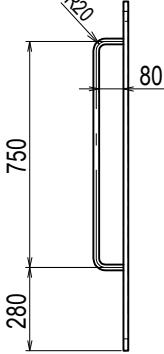
PLAN



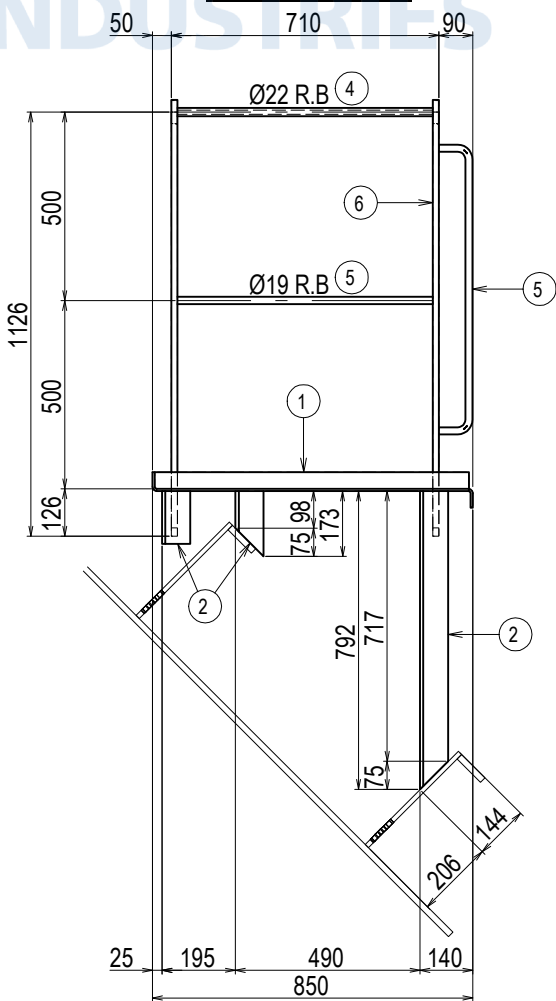
DET. OF ⑥ STANCHION



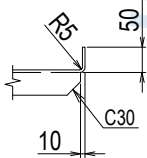
DET. OF ⑤ HAND GRIP



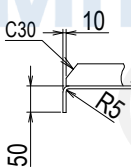
View-"B"



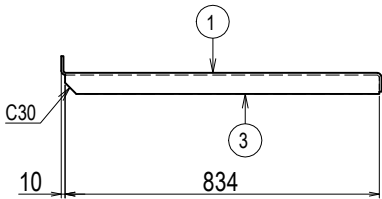
DET. OF "D"



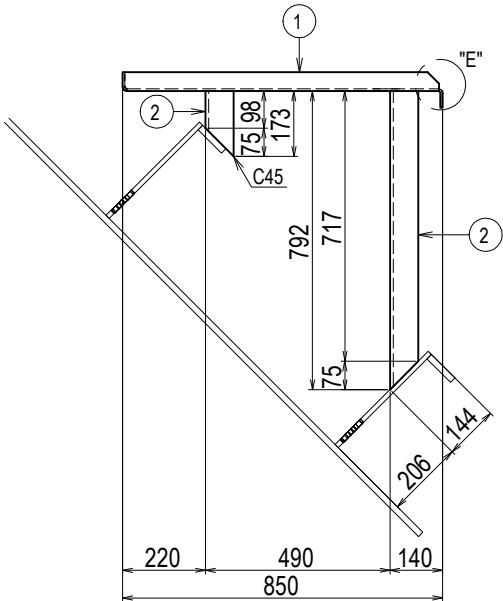
DET. OF "E"



View-"C"



View-"A"



DETAIL OF PLATFORM

SHIP NO.

DWG. NO.

MARK NO.

Q'TY/SHIP

WEIGHT(kg)

PAINT SYMBOL

POR NO.

REMARK

D37S0

PF-P01S

1

87.9

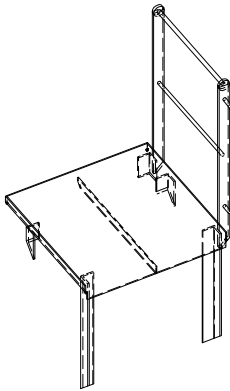
JP3

ISO VIEW

X: FR71-1865

Y: -12748

Z: 32062.7

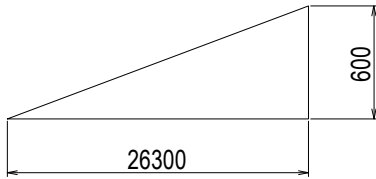


<GENERAL NOTE>

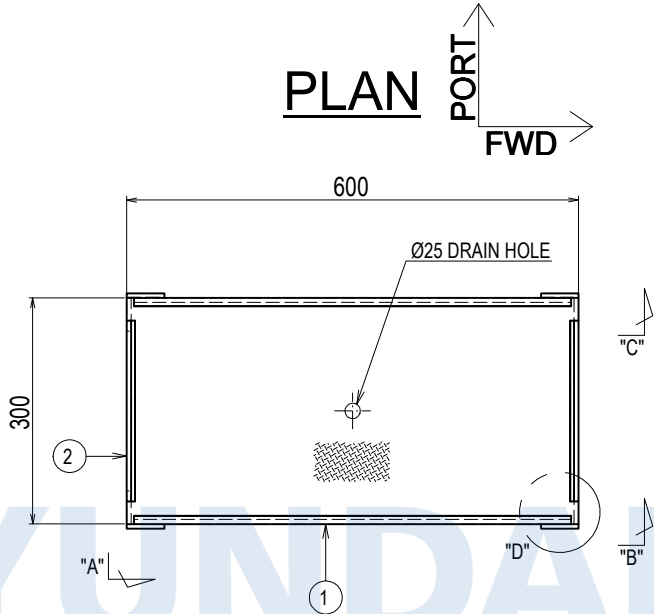
Total Weight : 87.9

06	FB65x16T EA	SS400	2	19.0	
05	19.0-Bar-Round1	SS400	2	3.4	
04	22.0-Bar-Round1	SS400	1	2.0	
03	FB50x6T EA	SS400	1	1.9	
02	EA_75x75x9T EA	SS400	5	19.1	
01	6T PLATE	SS400	1	42.5	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK

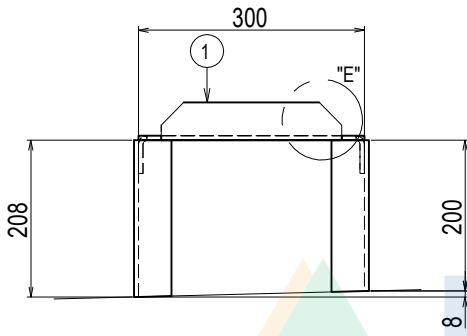
DECK CAMBER



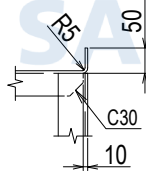
PLAN



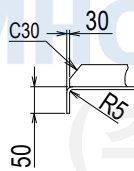
View-"A"



DET. OF "D"

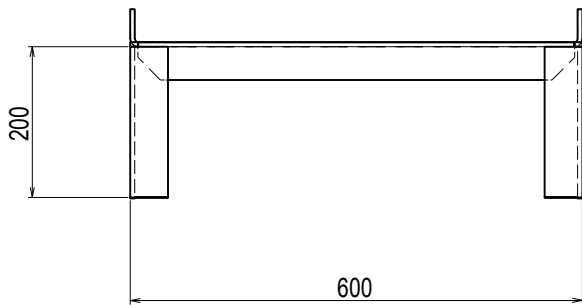


DET. OF "E"

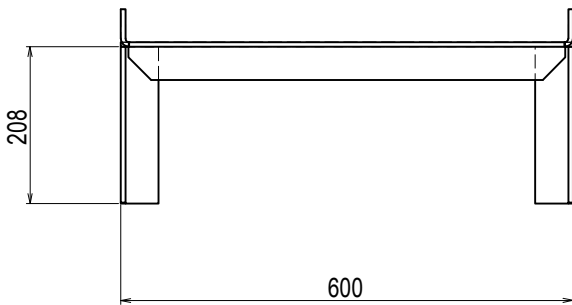


<GENERAL NOTE>

View-"B"

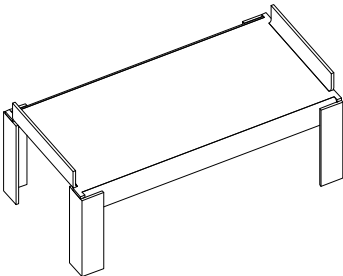
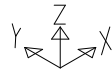


View-"C"



	DETAIL OF PLATFORM			SHIP NO.		
				DWG. NO.		
	MARK NO.	Q'TY/SHIP	WEIGHT(kg)	PAINT SYMBOL	POR NO.	REMARK
D31P0	PF-P02P	1	15.6		JP3	본도제작
D31S0	PF-P02S	1	15.6	P2	JP3	대칭제작



ISO VIEW X: FR47-1525 Y: 19110 Z: 26418.8



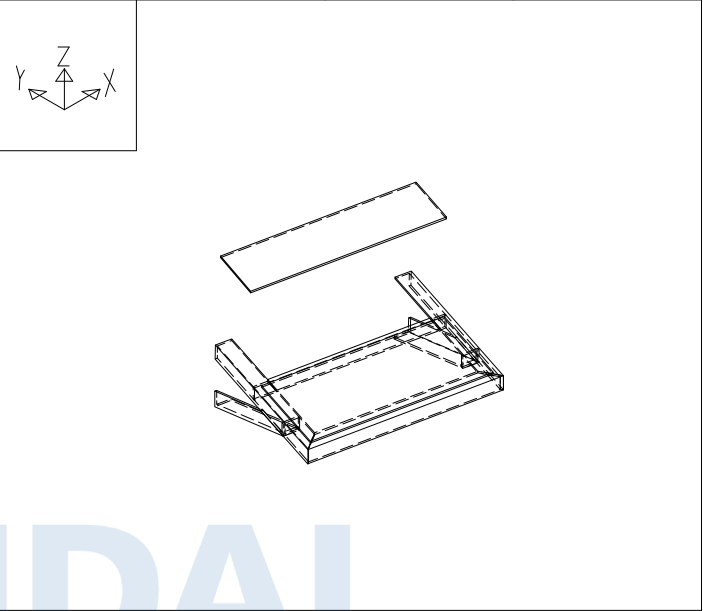
Total Weight : 15.6

06					
05					
04					
03					
02	50x50x6T EA	SS400	4	3.6	
01	560x260x6T(PLATE)	SS400	1	12.0	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK

Note.
1. ① CHK, PLATE는 분실 되지 않도록
PLATFORM에 단단히 묶어 입고 할 것

	DETAIL OF PLATFORM			SHIP NO.			
				DWG. NO.			
		MARK NO.	Q'TY/SHIP	WEIGHT(kg)	PAINT SYMBOL	POR NO.	REMARK
D40P0		PF-P03P	1	24.4		JP3	
D40S0		PF-P03S	1	24.4	P2	JP3	

ISO VIEW X: FR88+235 Y: 18024.9 Z: 27097.8

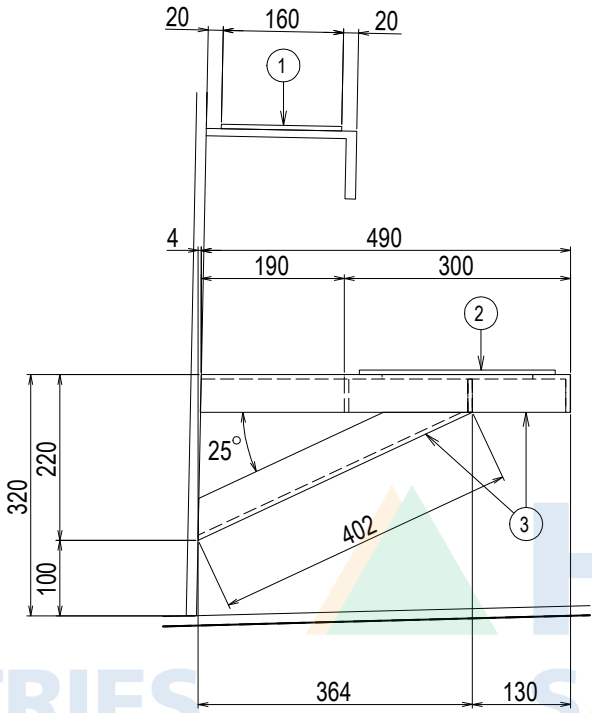
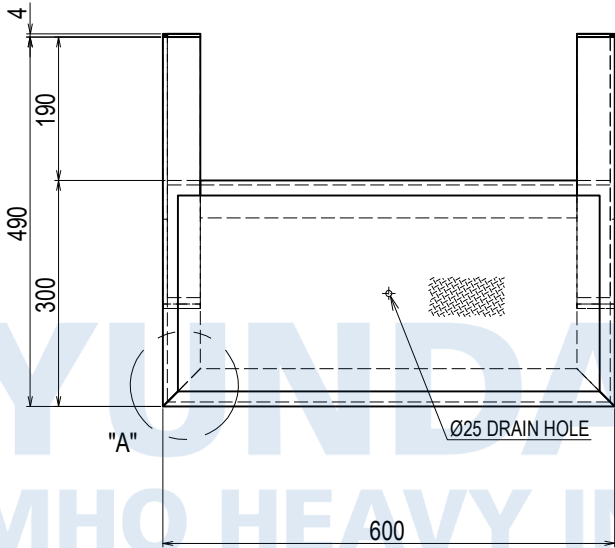


<GENERAL NOTE>

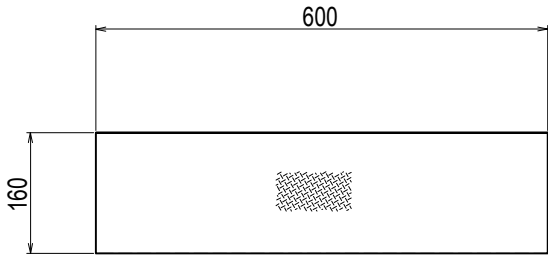
Total Weight : 24.4

06					
05					
04					
03	50x50x6T EA	SS400	7	12.6	
02	560x260x6T(CHK, PLATE)	SS400	1	7.1	
01	600x160x6T(CHK, PLATE)	SS400	1	4.7	
NO	DESCRIPTION	MAT'L	Q'TY /mm	W.T(kg)	REMARK

PLAN



DET. OF CHK. PLATE①



DET. OF "a"

