

MANUAL

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**목 차**  
**( CONTENTS )**

		PAGE
<b>1.</b>	<b>GENERAL STRUCTURE</b>	<b>4</b>
1.1		5
1.2		5
1.3		6
<b>2.</b>	<b>INSTALLATION</b>	<b>7</b>
2.1		7
2.2		8
2.3		8
2.5		9
2.6		11
2.7		11
2.8		12
<b>3.</b>	<b>MAINTENANCE</b>	<b>12</b>
3.1		12
3.2		12
3.3 가		13
3.4 가	SPARE PART	13
3.5		14
3.6		15
<b>4.</b>	<b>STORAGE &amp; PACKING</b>	<b>17</b>
<b>5.</b>	<b>NAME PLATE</b>	<b>18</b>

1. GENERAL STRUCTURE

( ) GASKET PLATE가 FRAME , TIE BOLT & NUT . - FIG. 1.

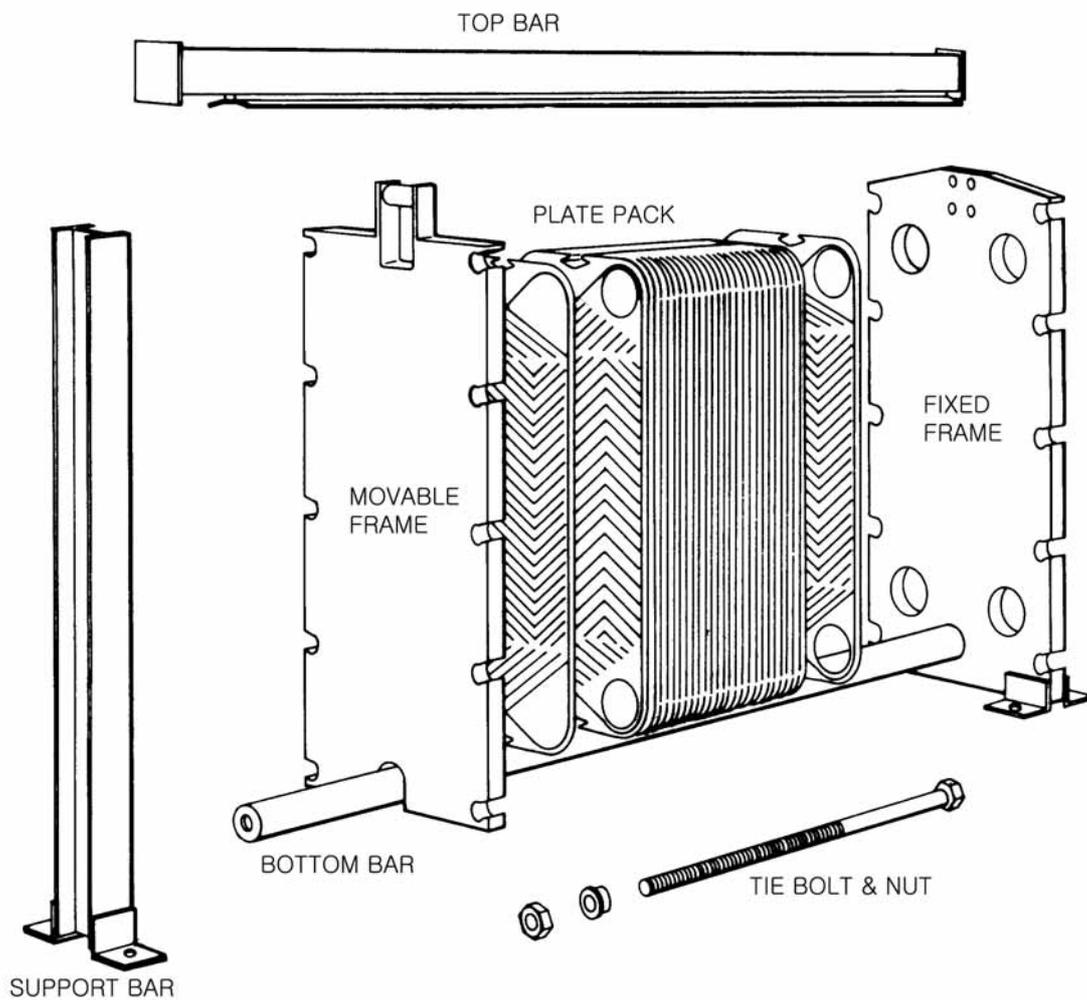


FIG. 1 GENERAL STRUCTURE ( )

1.1 FRAME

1.1.1 (FIXED FRAME)

가

1.1.2 (MOVABLE FRAME)

(TOP BAR)

, 2 PASS

NOZZLE

1.1.3 (SUPPORT BAR)

( 40

BASE

.)

1.1.4 (TOP BAR)

가

1.1.5 (BOTTOM BAR)

가

1.1.6 &

GASKET

1.2 NOZZLE

1.2.1 NOZZLE

S.S, C.S

- FIG.2

1.2.2 STUD TYPE

RUBBER

S.S

LINNING

가

STUD BOLT

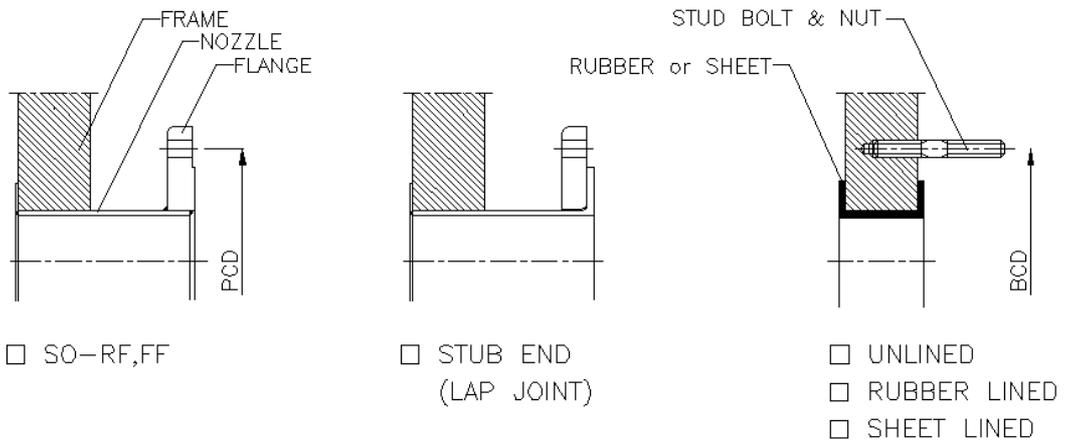


FIG. 2 NOZZLE CONNECTION TYPE ( )

1.3 PLATE

1.3.1 FLOW PLATE (LFP RFP)

SEAL PLATE, BLIND PLATE 1  
 PLATE GASKET

PLATE LFP(LEFT HAND FLOW PLATE)  
 RFP(RIGHT HAND FLOW PLATE)

LFP 180 RFP가

! LFP RFP

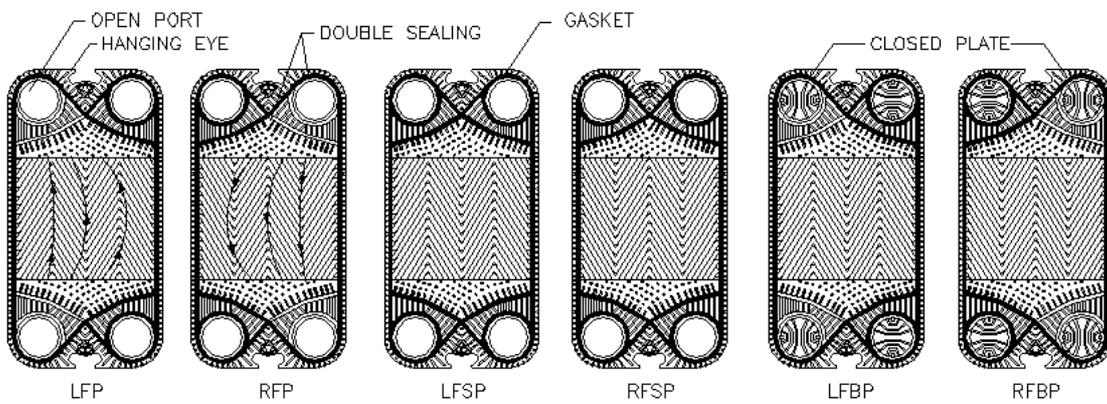


FIG. 3 TYPES OF PLATE WITH GASKET ( 가 )

1.3.2 SEAL PLATE (LFSP RFSP)

PLATE SEALING PLATE FLOW PLATE GASKET FLOW  
 PLATE 2 PLATE 4 PORT SEALING  
 FRAME 2 FLOW PLATE 1 (CHANNEL)

1.3.3 BLIND PLATE (LFBP RFBP)

4 PORT가 1 PASS FRAME  
 , GASKET FLOW PLATE

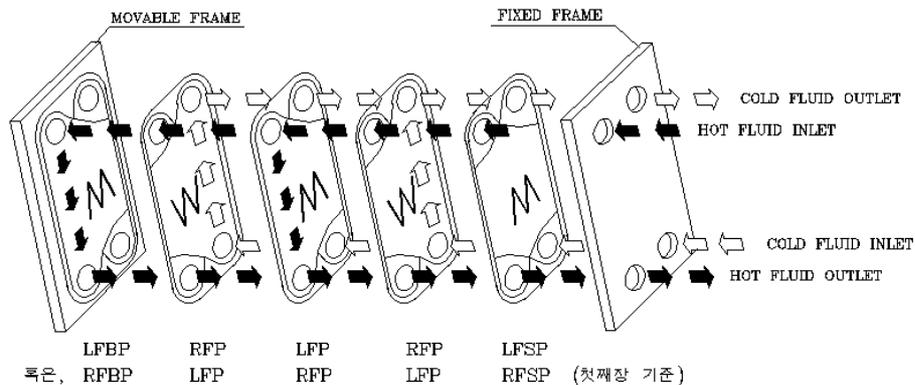


FIG. 4 (1 PASS STANDARD)

## 2. INSTALLATION & OPERATING

### 2.1 LIFTING

LIFTING EYE

( - FIG. 5)

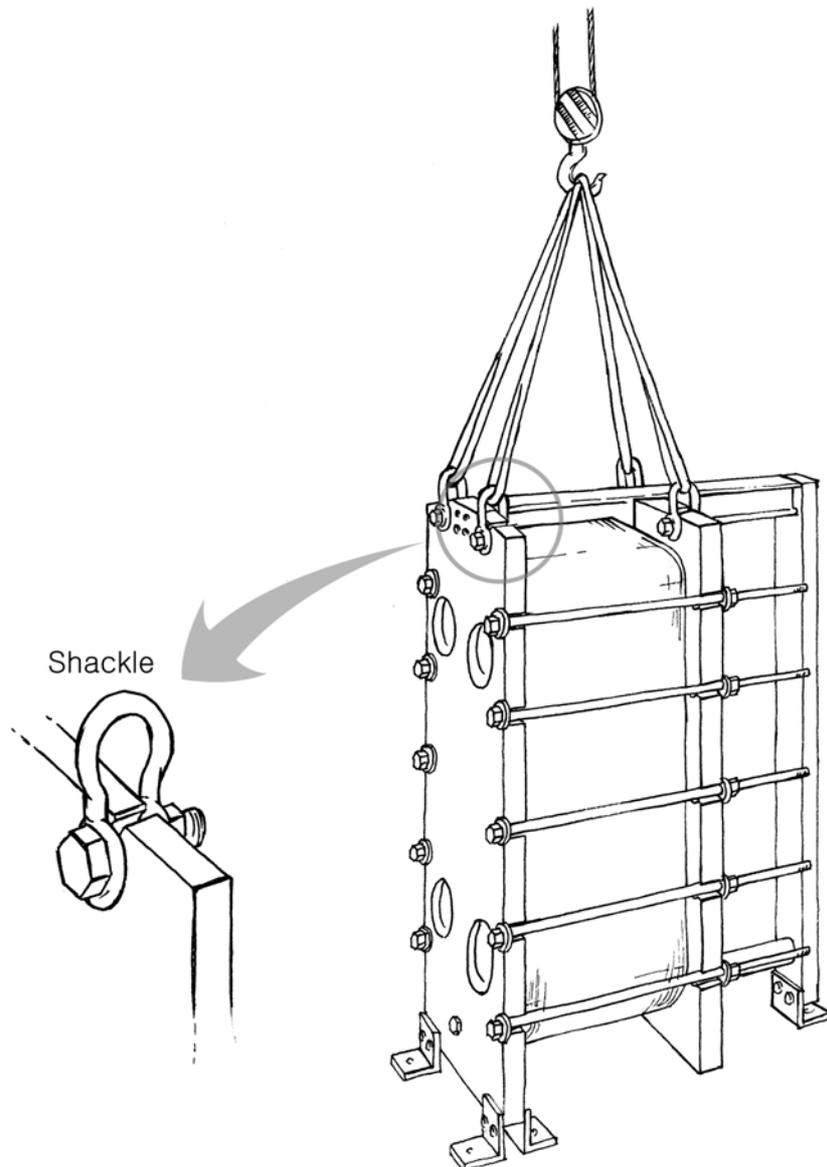


FIG 5. LIFTING ( , )

2.2

2.2.1

2.2.2

2.2.3 FOUNDATION

ANCHOR BOLT NUT

2.2.4

- FIG. 6.

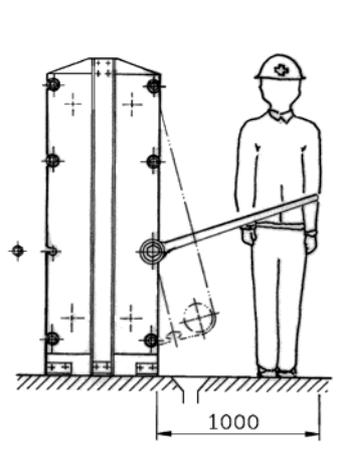


FIG. 6 EXTRA SPACE FOR ASSEMBLING  
( )

2.3

- FIG. 11

2.3.1

TOP BAR

- FIG. 7.

2.3.2 가

2.3.3 가

TOP BAR

2.3.4

2.3.5

- FIG. 8.

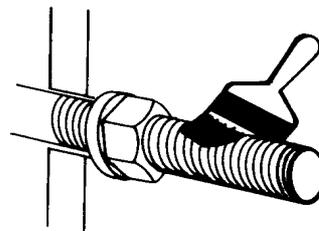


FIG. 7 LUBRICATE THE CONTACT SURFACE OF TOP BAR  
(TOP BAR )

FIG. 8 LUBRICATE THE SCREW THREAD  
( )

2.4

2.4.1 SPANNER

- FIG. 9.

2.4.2 NAME PLATE PLAT PACK LENGTH

( : PLATE PACK LENGTH - 0.1 x N( ) )

2.4.3 가

2.4.4 PLATE PACK SIDE VIEW - FIG 10.

!

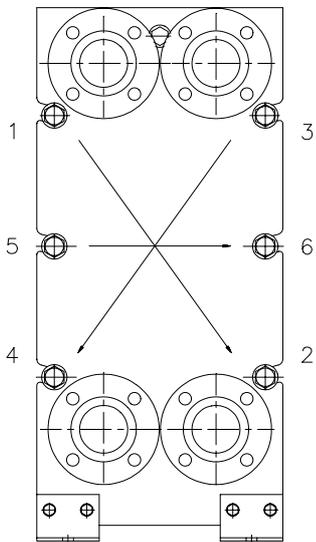


FIG. 9 ORDER OF TIGHTENING  
( )

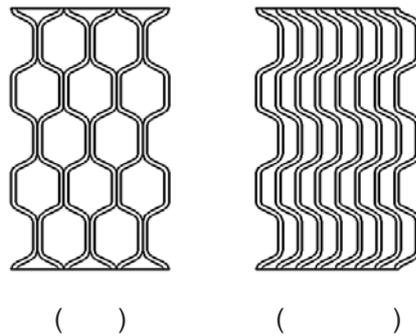
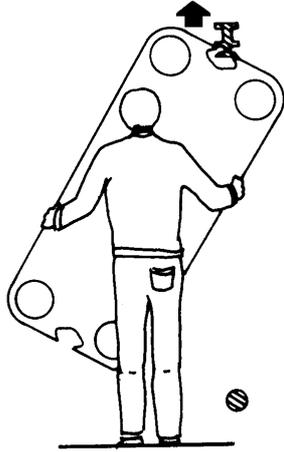
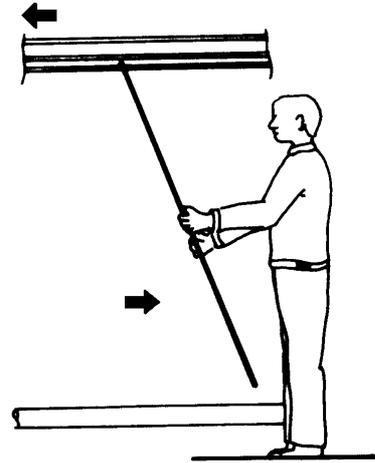


FIG. 10. SIDE VIEW OF PLATE PACK  
( )

1. TOP BAR

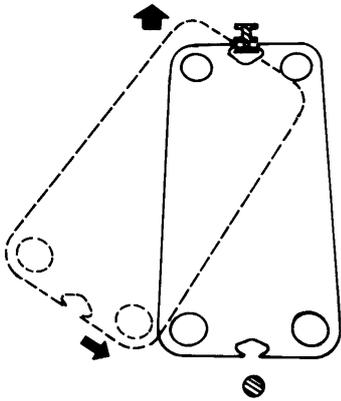


2.

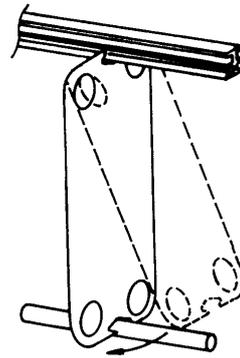


가

3.



4. BOTTOM BAR



5. TOP & BOTTOM BAR

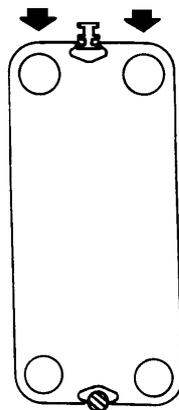


FIG. 11

!

**2.5.**

2.5.1

2.5.2

(CRACK)

2.5.3

INLET, OUTLET

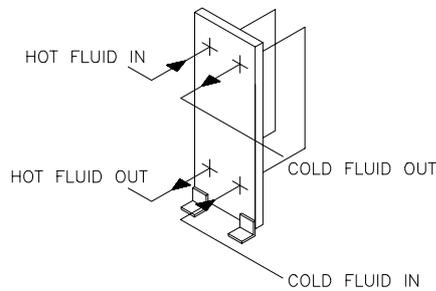
( )가 - FIG. 12

! STEAM

90

2.5.3

, 30



**FIG. 12** CONNECTING POINTS WITH PIPES ( 1PASS STANDARD )

**2.6**

2.6.1

( )

(INSPECTION & TEST PROCEDURE)

2.6.2

1)

1

4

가

2) TEST FLANGE VALVE

(

)

3) TEST

AIR VENT

4) 가

VALVE

TEST

2.6.3

1)

2) 가

GASKET

3)

GASKET

4)

(

-

)

¼

TEST

(

:

PLATE PACK LENGTH,

:

-

x0.1)

5)

가

6)

**2.7**

2.7.1 , , DATA SHEET .

2.7.2 .

2.7.3 .

2.7.4

- 1) PLATE PACK .
- 2) VALVE SYSTEM .
- 3) VENT .
- 4) AIR 가 가 VENT .
- 5) .

2.7.5

- 1) PUMP CONTROL VALVE .
- 2) VALVE가 PUMP .
- 3) .

! 가 VALVE .  
- 1000 m<sup>3</sup>/hr .

**3. MAINTENANCE**

**3.1**

SHUT DOWN .

3.1.1 .

3.1.2 가 , GASKET

2~3 .

3.1.3 가 , , .

3.1.4 .

3.1.5 .

**3.2**

3.2.1 DRAIN .

3.2.2 2.2 .

3.2.3 가 가 .

3.2.4 가 .

3.2.5 , 가 , .

3.2.6 가 .

! 가 가

### 3.3 가

3.3.1 (BONDED TYPE) 가 - FIG. 13

- 1) 가
- 2) 가
- 3) 가 , , ( 0.1~0.3mm )
- 4) 가 , ,
- 5) 가
- 6) 가

3.3.2 (EASY HOOK TYPE) 가 - FIG. 14

- 1) 가 (HOOK) 가
- 2) 가 , ,
- 3) 가 , ,
- 4) 가 (HOOK) 가

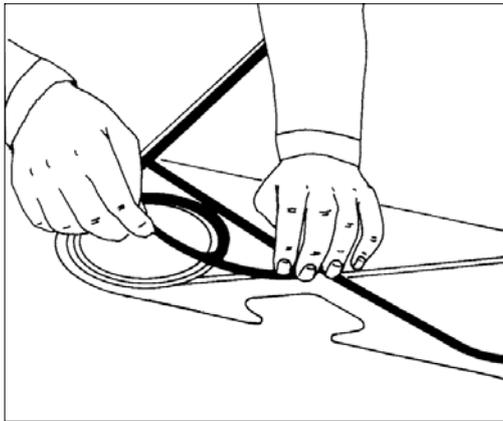


FIG. 13 가

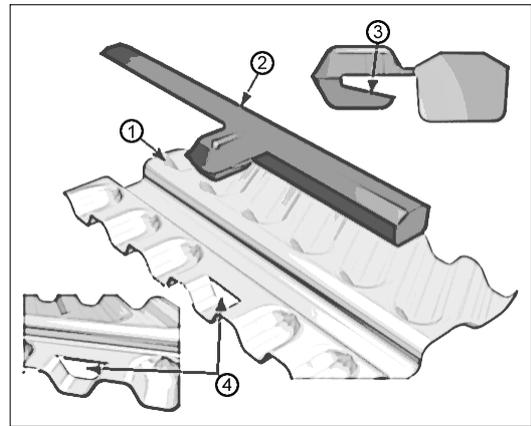


FIG. 14 EASY HOOK TYPE 가

### 3.4 가 SPARE PARTS

3.4.1 MODEL (NAME PLATE)

	TYPE				
	TX4AP	30 EA	STS316	PI01346	
가	TX4AP	30 EA	EPDM	PI01346	

3.5.

3.5.1

가 .

3.5.2

, 가 .

3.5.3

	1	
	3	DEMI-WATER. DISTRILLED WATER.
	1 ~ 2	SEA WATER, C/T WATER.

3.5.4

4~6mm

3.5.5

3.5.6

- 1) :  
1~2

. - FIG 15.

- 2) CIP :

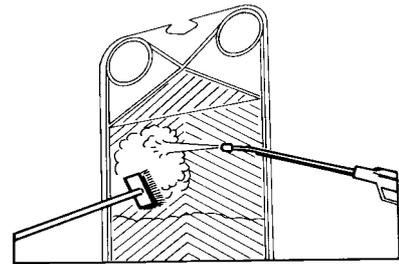


FIG. 15

3.5.7

- A. ----- 10% , 2% (50 )
- B. ----- 2% 가 (50 )
- C. -----
- D. ----- 100 PPM (25 )

! 가

3.6

1.		1.1 1.2 가	1.1 1.2 가
2. NOZZLE	NOZZLE	2.1	2.1 NOZZLE
3.	가	3.1 3.2 3.3 3.4 가 ( ) 3.5 가	3.1 PLATE PACK LENGTH 3.2 3.3 3.4 HOOK ( ) 3.5 가
4.		4.1 4.2 가 4.3	4.1 4.2 가 4.3
5.		5.1 5.2 SCALE	5.1 5.2
6.	CHECK HEAT BALANCE. NCE.	6.1 6.2 가 DATA SHEET 6.3 6.4 SCALE	6.1 DATA SHEET 6.2 6.3 LMTD 6.4

7.	가 NOZZLE , CHECK.	7.1 DATA SHEET 7.2 (BY PASS) 7.3 (CHANNEL)	7.1 DATA SHEET 7.2 7.3
8.		8.1	8.1 STRAINER
9.		9.1 가 9.2 9.3	9.1 가 9.2 9.3
10. (WATER HAMMERING)	가 HAMMER	10.1 SYSTEM 10.2	10.1 10.2 AIR VENT

4.

4.1 SANITARY STAINLESS STEEL PLATE PACK

4.2 가 DRAIN , PROCESS

4.3 가 1 WOODEN PACKING  
COVERING WOODEN PACKING

- FIG. 16.

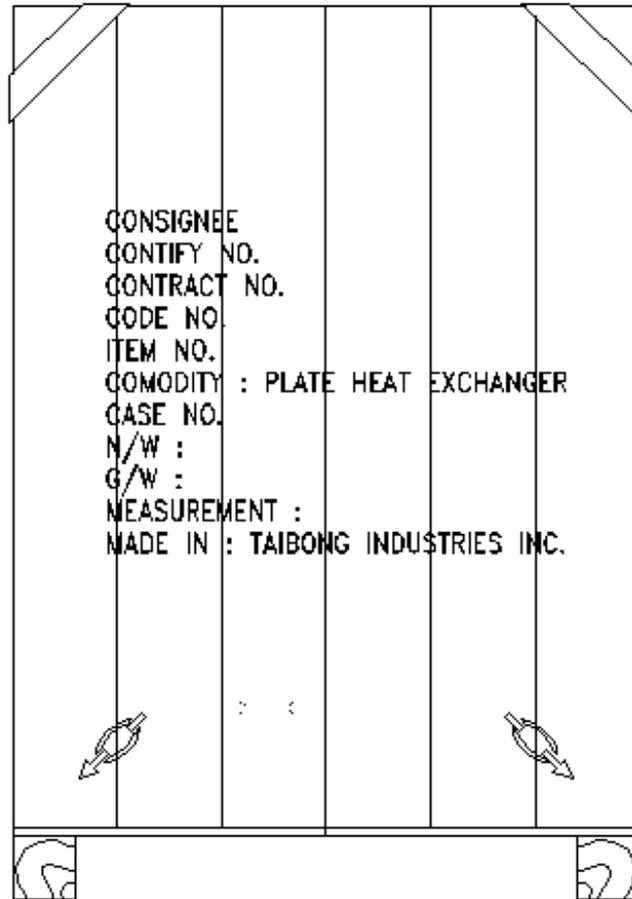


FIG. 16 WOODEN PACKING SKETCH ( )

5. NAME PLATE DESCRIPTION ( )  
NAME PLATE( ) DESIGN CONDITION, ,

[ 표준명판 ]

**TAIBONG**  
TYPE [ ] 제조사에서 지정한 모델이름  
ITEM NO. [ ] 장비번호  
DESIGN PRESSURE [ ] kg/cm<sup>2</sup> 설계압력  
DESIGN TEMPERATURE [ ] °C 설계온도  
DATE BUILT 200 . . 제조일자  
PLATE PACK LENGTH [ ] mm PLATE PACK의 조임치수  
SERIAL NO. [ ] 제조번호  
MATERIAL  
PLATE [ ] GASKET [ ] 전열판과 가스켓의 재질  
**太峰産業技術(株)** 제조사 정보  
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E-mail : saledept@taibong.com www.taibong.com

[ 지역난방용 명판 ]

**TAIBONG**  
TYPE [ ] 제조사에서 지정한 모델이름  
ITEM NO. [ ] 장비번호  
HEAT TRANSFER AREA [ ] m<sup>2</sup> 전열면적  
CAPACITY [ ] kcal/hr 열교환기 용량  
DESIGN PRESSURE [ ] kg/cm<sup>2</sup> 설계압력  
DESIGN TEMPERATURE [ ] °C 설계온도  
DATE BUILT 200 . . 제조일자  
PALTE PACK LENGTH [ ] mm PLATE PACK의 조임치수  
SERIAL NO. [ ] 제조번호  
MATERIAL  
PLATE STS316 GASKET EPDM 전열판과 가스켓의 재질  
난방용  급탕용  급탕에열  급탕재열  열교환기 용도  
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