

본 도면은 독일 LURGI사의  
기술을 참조하여 작성된 것으로  
본사로부터의 인가 없이는  
사용할 수 없습니다.

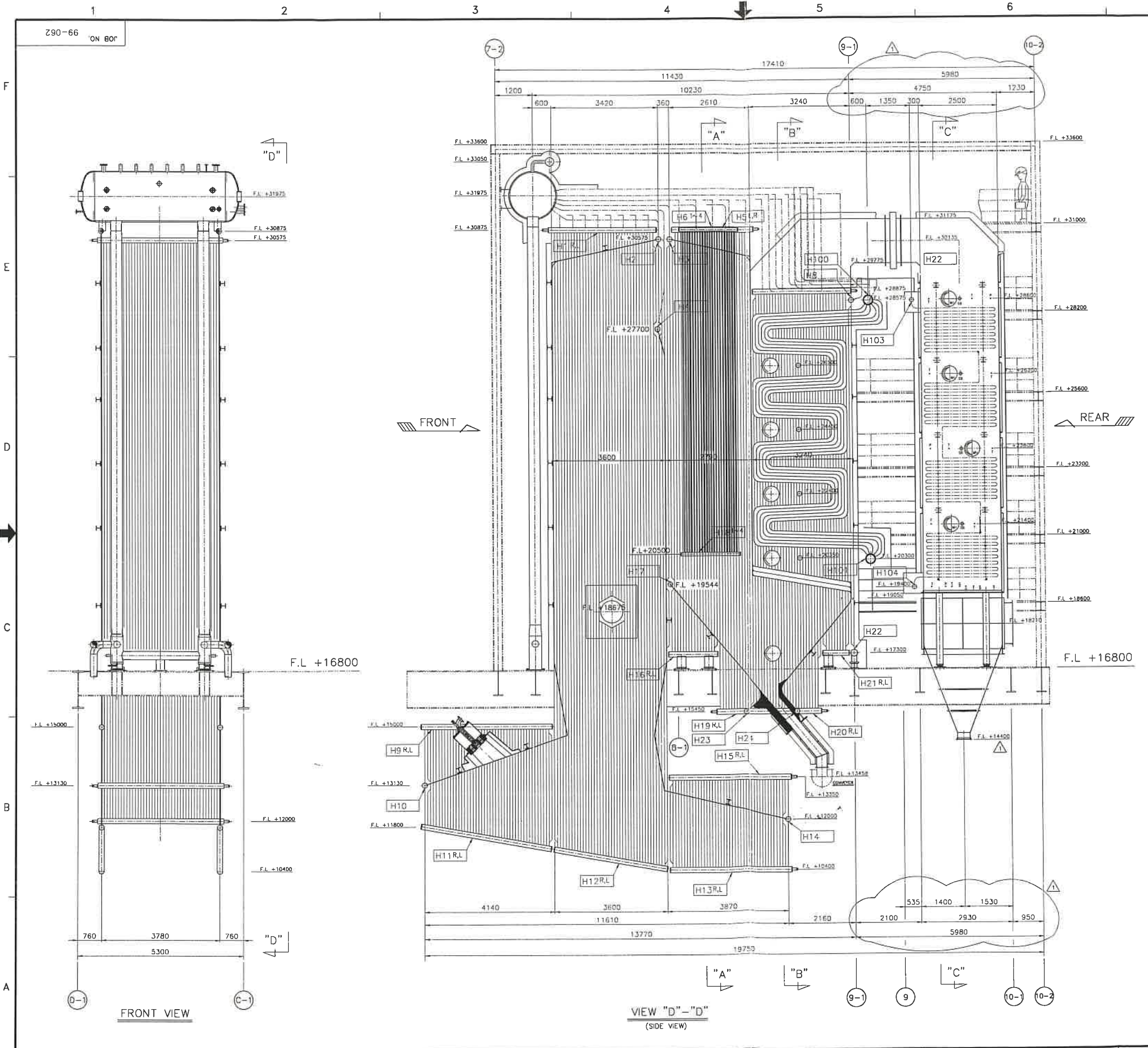
DESIGN DATA

|                         |                   |                          |
|-------------------------|-------------------|--------------------------|
| DESIGN CODE             | KS B 6233         |                          |
| TYPE OF BOILER          | WASTE HEAT BOILER |                          |
| BOILER EVAPORATION      | 30,600            | KG/HR                    |
| BOILER PRESSURE         | DESIGN            | 25 KG/CM <sup>2</sup> G. |
|                         | OPERATING         | 16 KG/CM <sup>2</sup> G. |
| MAIN STEAM TEMPERATURE  | DESIGN            | 225 °C                   |
|                         | OPERATING         | 208.8 °C                 |
| BOILER FEED WATER TEMP. | OPERATING         | 130 °C                   |
| BOILER HEATING SURFACE  | 1500              | M <sup>2</sup>           |
| HYDRO TEST PRESSURE     | 37.5              | KG/CM <sup>2</sup> G.    |
|                         | 100 (USSER UP)    | %                        |
| RADIO GRAPH TEST        | DRUM              | 20 %                     |
|                         | TUBE              | 20 %                     |
| CORROSION ALLOWANCE     | 1                 | MM                       |
| INSULATION (OUT SIDE)   | 150               | MM                       |

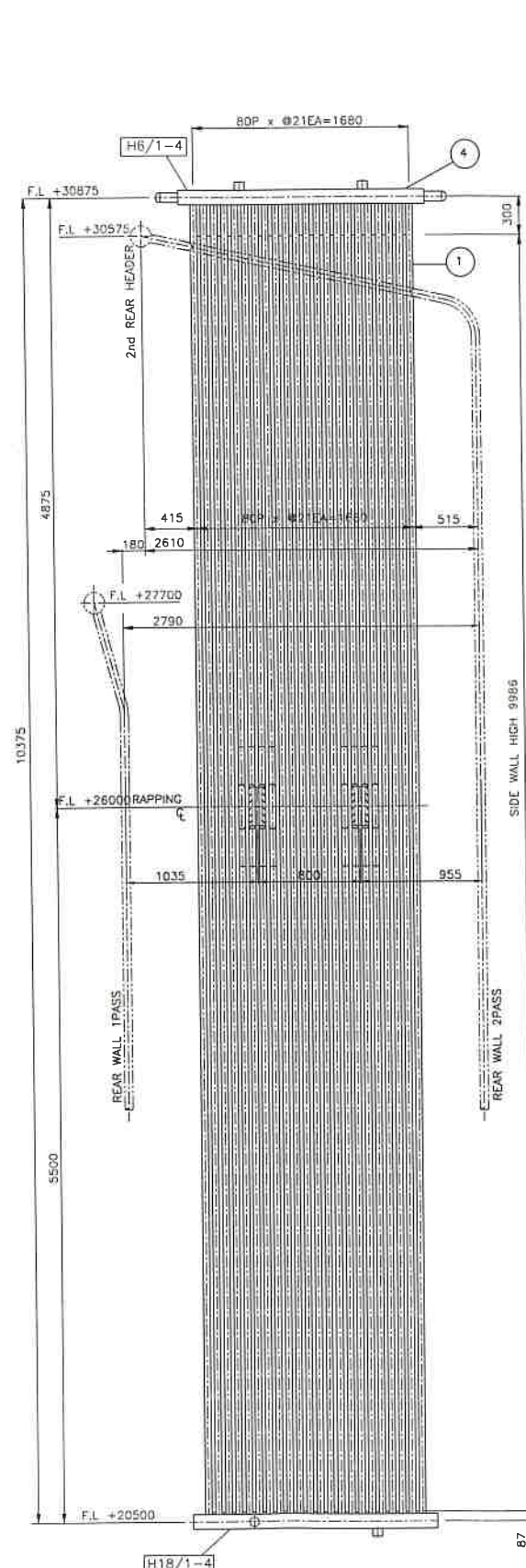
REFERENCE DWG

| ITEM    | SIZE | DWG. NO          |
|---------|------|------------------|
| H1 R    | 150A | KW3-PA01-1, 12-1 |
| H1 L    | 150A | KW3-PA01-1, 12-4 |
| H2      | 150A | KW3-PA07, 12     |
| H3      | 150A | KW3-PA10, 10-2   |
| H4      | 150A | KW3-PA08         |
| H5 R    | 150A | KW3-PA13, 13-1   |
| H5 L    | 150A | KW3-PA13-2, 13-3 |
| H6 1~4  | 100A | KW3-PA11, 10-2   |
| H7 R    | 150A | KW3-PA13, 13-1   |
| H7 L    | 150A | KW3-PA13-2, 13-3 |
| H8      | 150A | KW3-PA11-2       |
| H9 R    | 150A | KW3-PA12, 12-1   |
| H9 L    | 150A | KW3-PA12-4       |
| H10     | 150A | KW3-PA07         |
| H11 R   | 150A | KW3-PA11-2, 12-1 |
| H11 L   | 150A | KW3-PA12-4       |
| H12 R   | 150A | KW3-PA12, 12-1   |
| H12 L   | 150A | KW3-PA12-2, 12-4 |
| H13 R   | 150A | KW3-PA12, 12-1   |
| H13 L   | 150A | KW3-PA12-2, 12-4 |
| H14     | 150A | KW3-PA08         |
| H15 R   | 150A | KW3-PA12, 12-1   |
| H15 L   | 150A | KW3-PA12-2, 12-4 |
| H16 R   | 150A | KW3-PA13, 13-1   |
| H16 L   | 150A | KW3-PA13-2, 13-3 |
| H17     | 150A | KW3-PA09         |
| H18 1~4 | 100A | KW3-PA11, 10-2   |
| H19 R   | 150A | KW3-PA13, 13-1   |
| H19 L   | 150A | KW3-PA13-2, 13-3 |
| H20 R   | 150A | KW3-PA13, 13-1   |
| H20 L   | 150A | KW3-PA13-2, 13-3 |
| H21 R   | 150A | KW3-PA13, 13-1   |
| H21 L   | 150A | KW3-PA13-2, 13-3 |
| H22     | 200A | KW3-PA11-2       |
| H23     | 150A | KW3-PA09         |
| H24     | 150A | KW3-PA10         |
| H100    | 300A | KW3-PE01         |
| H101    | 300A | KW3-PE01         |
| H103    | 125A | KW3-PE10         |
| H104    | 125A | KW3-PE10         |

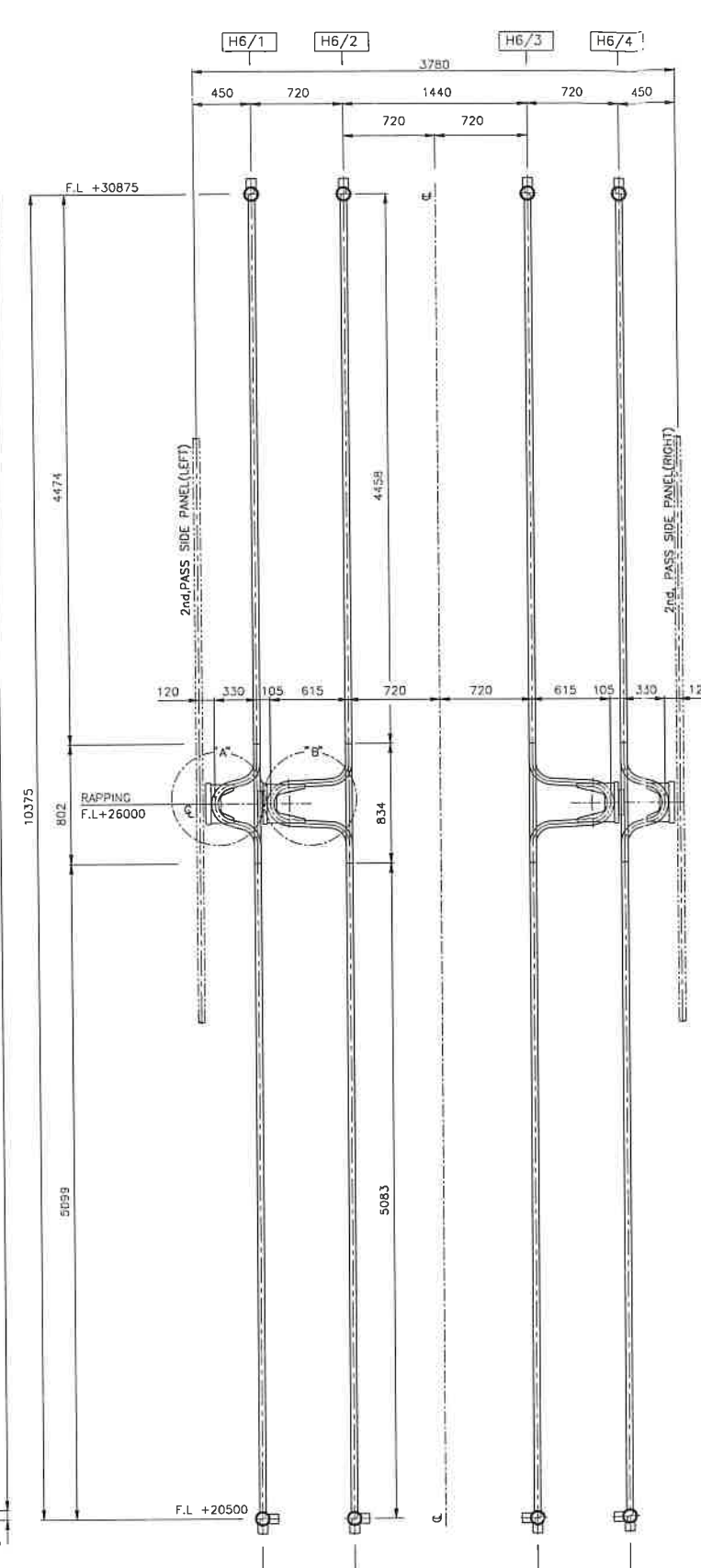
| NO.                                                                         | DESCRIPTION | MAT'L        | Q'TY        | SIZE     | REMARKS  |
|-----------------------------------------------------------------------------|-------------|--------------|-------------|----------|----------|
| Customer<br>△ HYUNDAI ENGINEERING AND CONSTRUCTION CO., LTD.                |             |              |             |          |          |
| Project<br>군포 쓰레기 소각시설 건설공사<br>MSWIP 군포                                     |             |              |             |          |          |
| Projection                                                                  | Scale       | Unit         | Date        | Drawn    | Checked  |
| 1st                                                                         | 1/60        | mm           | 99.3.10     | Y.H. CHO | Y.H. LEE |
| Title<br>WASTE HEAT BOILER ASSEMBLY<br>(30.6ton/hr × 25KG/cm <sup>2</sup> ) |             |              |             |          |          |
| DWG REV.                                                                    | 99.5        | CHO LEE SHIN | Drawing No. |          |          |
| DWG REV.                                                                    | 99.8        | CHO LEE SHIN | KW3-PA-01   |          |          |
| Mark                                                                        | Revision    | Date         | Drawn       | Chk'd    | App'd    |
| KANGWON BOILER MFG. CO., LTD.<br>SEOUL, KOREA                               |             |              |             |          |          |



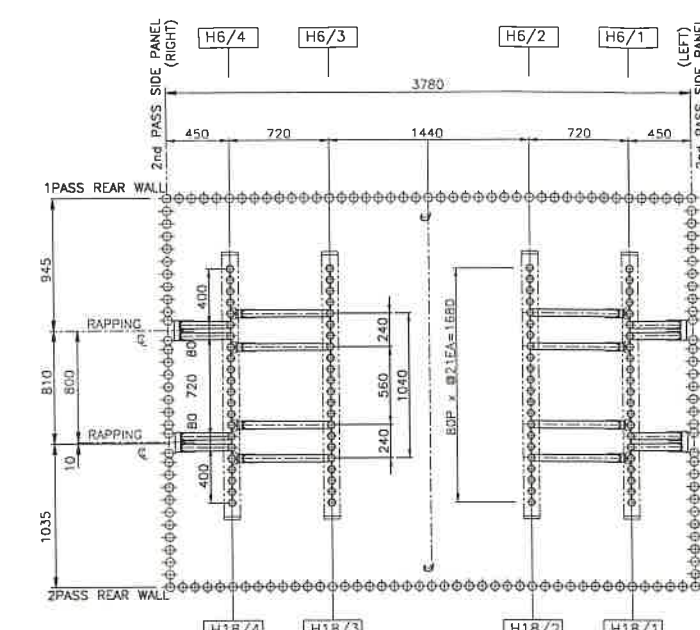
Z90-B6 'ON 80'



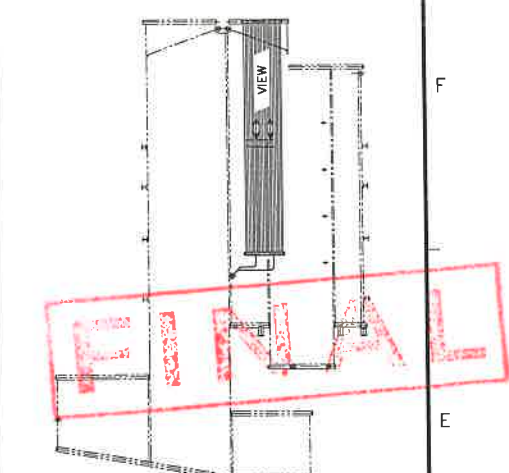
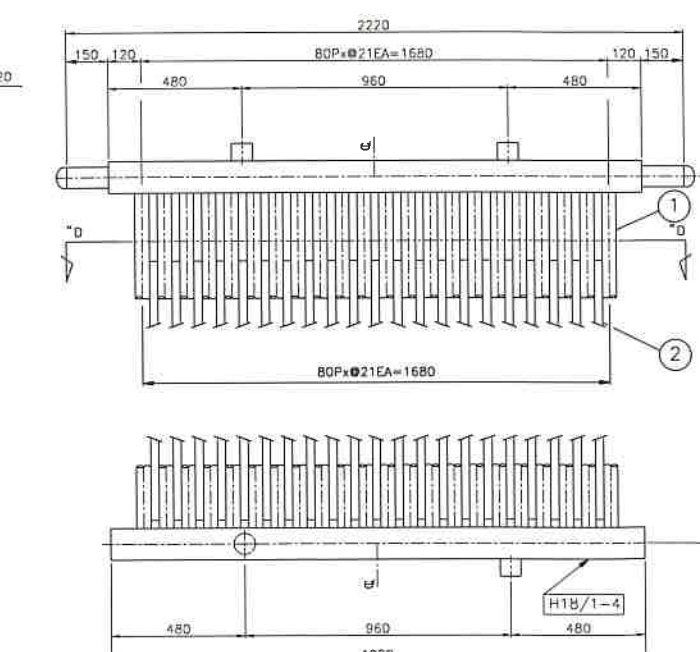
SIDE VIEW  
(RIGHT)



FRONT VIEW



PLAN VIEW



key plan (RIGHT)

| TYPE OF DETAIL |           |         |
|----------------|-----------|---------|
| DESCRIPTION    | DWG NO    | TYPE NO |
| FIN DETAIL     | KW3-PA-14 | DT-F1   |

| REFERENCE DWG |      |                |          |          |
|---------------|------|----------------|----------|----------|
| TITLE         | SIZE | DWG. NO        |          |          |
| H6 1~4        | 100A | KW3-PA11, 10-2 | KW3-PRO3 | KW3-PH08 |
| H18 1~4       | 100A | KW3-PA11, 10-2 | KW3-PRO7 | KW3-PH08 |

| H6 1~4      | 2   | FIN         | SS400    | 84   | W29x6t   |         |
|-------------|-----|-------------|----------|------|----------|---------|
| H18 1~4     | 1   | TUBE        | STBH340E | 88   | ø50.8x5t |         |
| NOZZLE MARK | NO. | DESCRIPTION | MAT'L    | Q'TY | SIZE     | REMARKS |

Customer  
△ HYUNDAI ENGINEERING AND CONSTRUCTION CO., LTD.

Project  
군포 쓰레기 소각시설 건설공사  
MSWIP Kunpo

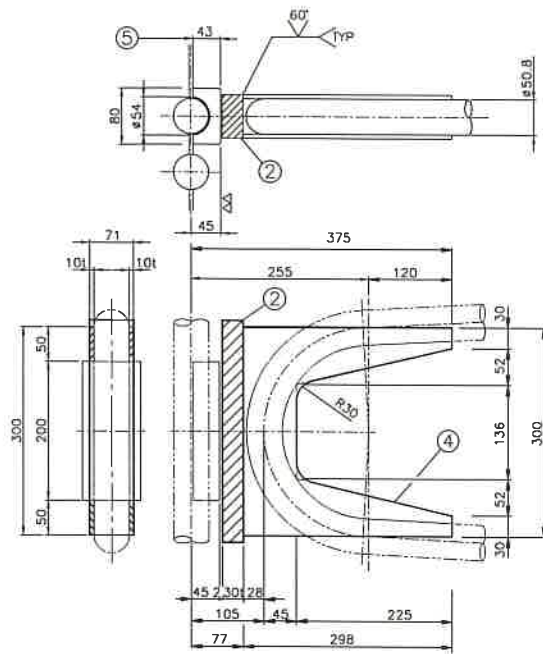
| Projection | Scale | Unit | Date    | Drawn   | Checked | Approved |
|------------|-------|------|---------|---------|---------|----------|
| 1/25       | 1/25  | mm   | 99.3.10 | y.h CHO | y.h LEE | M.H SHIN |

Title  
PLATEN EVAPORATOR

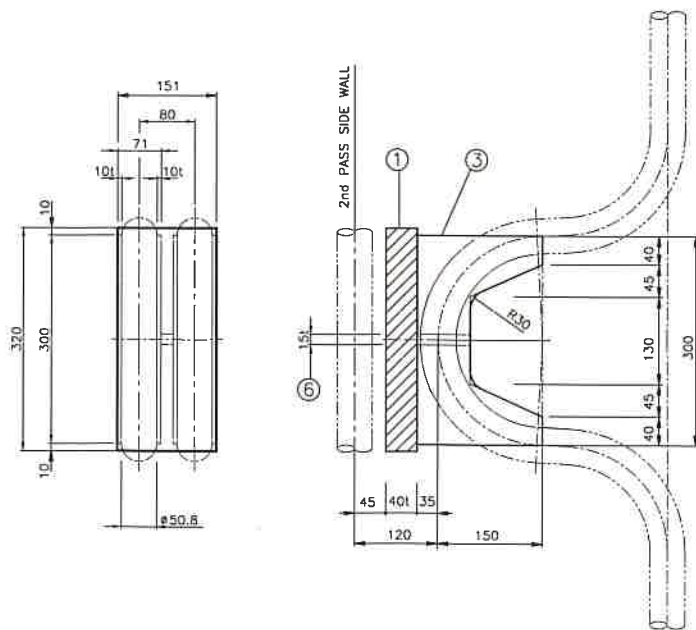
Drawing No.  
KW3-PA-11

Revision  
Date Drawn Chk'd App'd Maker No.

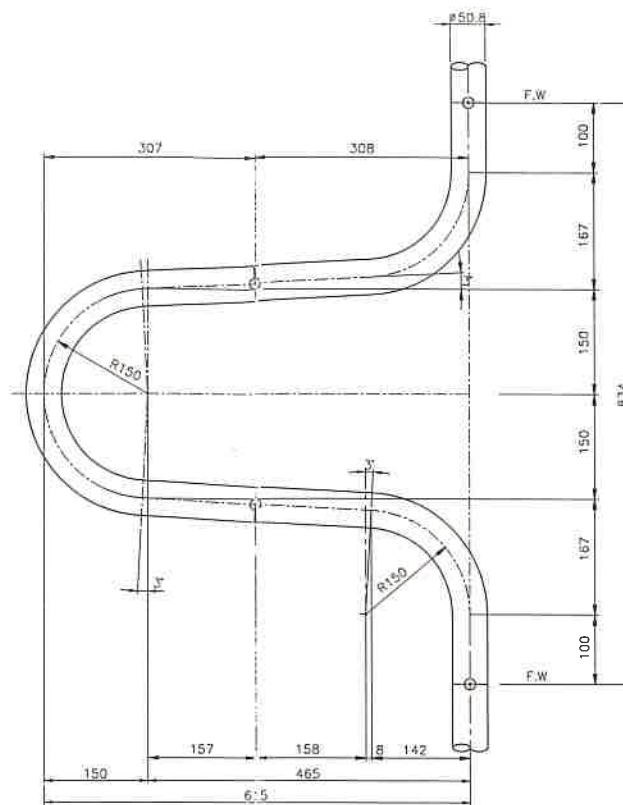
KANGWON BOILER MFG. CO., LTD.  
SEOUL, KOREA



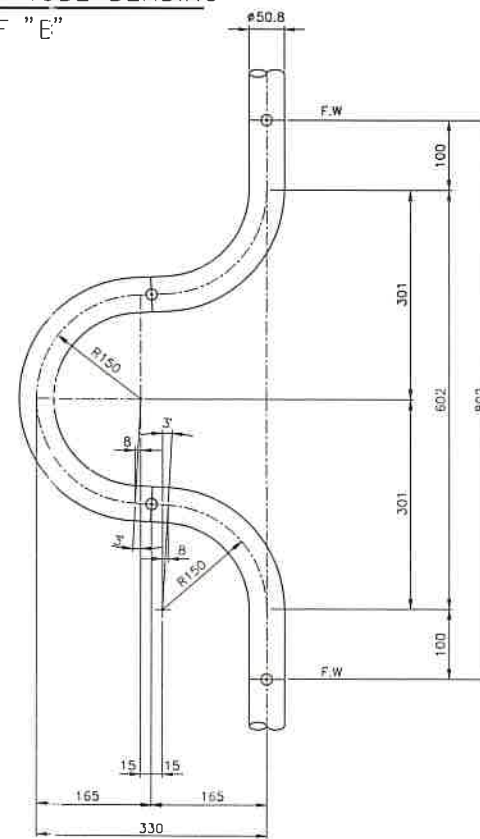
HAMMERING SUPPORT DETAIL  
DETAIL OF "B"



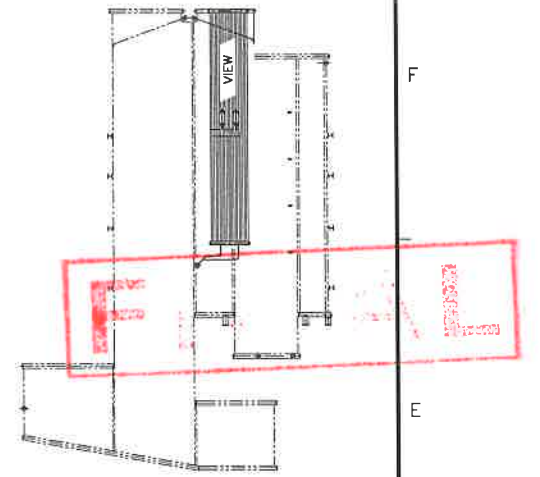
HAMMERING SUPPORT DETAIL  
DETAIL OF "A"



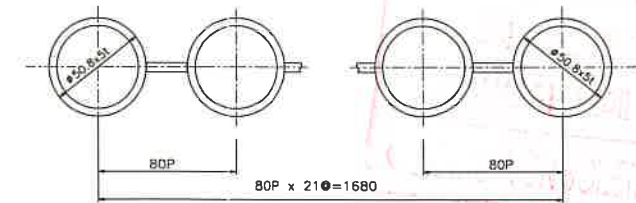
DETAIL OF TUBE BENDING  
DETAIL OF "E"



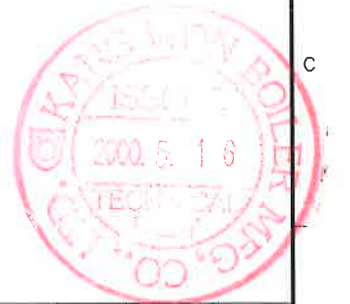
DETAIL OF TUBE BENDING  
DETAIL OF "A"



—key plan(RIGHT)—



DETAIL OF WALL SIDE "D-D" VIEW



|     |                 |       |      |        |         |
|-----|-----------------|-------|------|--------|---------|
| 6   | FIXED PLATE     | SS400 | 4    | 15t    |         |
| 5   | WALL SUPPORT    | SS400 | 8    | W80x43 |         |
| 4   | SUPPORT PLATE   | SS400 | 8    | 10t    |         |
| 3   | SUPPORT PLATE   | SS400 | 16   | 10t    |         |
| 2   | HAMMERING PLATE | SS400 | 8    | 30t    |         |
| 1   | HAMMERING PLATE | SS400 | 4    | 40t    |         |
| NO. | DESCRIPTION     | MAT'L | Q'TY | SIZE   | REMARKS |

Customer △ HYUNDAI ENGINEERING AND CONSTRUCTION CO.,LTD.

Project 군포 쓰레기 소각시설 전설공사  
MSWIP Kunpo

|            |          |      |                                              |            |             |           |
|------------|----------|------|----------------------------------------------|------------|-------------|-----------|
| Projection | Scale    | Unit | Date                                         | Drawn      | Checked     | Approved  |
|            | 1/5      | mm   | 99.3.10                                      | y.h. CHO   | Y.H. LEE    | M.H. SHIN |
|            |          |      | Title<br>PLATEN EVAPORATOR<br>RAPPING DETAIL | Drawing No | KW3-PA-11-1 |           |
|            |          |      |                                              |            |             |           |
|            |          |      |                                              |            |             |           |
|            |          |      |                                              |            |             |           |
| Mark       | Revision | Date | Drawn                                        | Chkd       | App'd       | Maker No. |


**KANGWON BOILER MFG. CO., LTD.**

본 도면은 독일 LURG사와의  
기술제휴 협약에 의거 현대  
군포 PROJECT에 의해 제작되는  
역부로의 유출은 절대 불가하며  
무단 사용시 법에 저촉을 받음  
KANG WON BOILER MFG. CO., LTD.

FINAL

KANG WON BOILER MFG. CO., LTD.  
ISSUED  
2000. 5. 16

| REFERENCE DWG |      |                |          |           |
|---------------|------|----------------|----------|-----------|
| TITLE         | SIZE | DWG. NO        |          |           |
| H6~4          | 100A | KW3-PA11, 10-2 | KW3-PR03 | KW3-PH08A |
| H18~4         | 100A | KW3-PA11, 10-2 | KW3-PR07 | KW3-PH08K |

|       |             |                 |          |      |       |            |
|-------|-------------|-----------------|----------|------|-------|------------|
| H18~4 | 4           | END PLATE       | SB410    | 4    |       | #114.3x19t |
|       | 3           | TUBE            | STBH340E | 44   | #50.8 | 5.0t       |
|       | 2           | RISER TUBE      | SPPS370E | 4    | 80A   | Sch.40     |
| H18~2 | 1           | HEADER          | A106-B   | 2    | 100A  | Sch.120    |
|       | 4           | END PLATE       | SB410    | 4    |       | #114.3x19t |
|       | 3           | TUBE            | STBH340E | 44   | #50.8 | 5.0t       |
| H6~4  | 2           | RISER TUBE      | SPPS370E | 4    | 80A   | Sch.40     |
|       | 1           | HEADER          | A106-B   | 2    | 100A  | Sch.120    |
|       | 6           | CAP             | SB410    | 8    | 65A   |            |
| H6~4  | 5           | END PLATE       | SB410    | 8    |       | #114.3x19t |
|       | 4           | INSPECTION HOLE | SPPS370E | 8    | 65A   | Sch.40     |
|       | 3           | TUBE            | STBH340E | 88   | #50.8 | 5.0t       |
| H6~4  | 2           | RISER TUBE      | SPPS370E | 8    | 80A   | Sch.40     |
|       | 1           | HEADER          | A106-B   | 4    | 100A  | Sch.120    |
| NO.   | DESCRIPTION |                 | MAT'L    | Q'TY | SIZE  | REMARKS    |

Customer  
△ HYUNDAI ENGINEERING AND CONSTRUCTION CO., LTD.

Project  
군포 쓰레기 소각시설 건설공사  
MSWIP Kunpo

|            |       |         |          |          |           |          |
|------------|-------|---------|----------|----------|-----------|----------|
| Projection | Scale | Unit    | Date     | Drawn    | Checked   | Approved |
| 1/10       | mm    | 99.5.18 | Y.H. CHO | Y.H. LEE | M.H. SHIN |          |

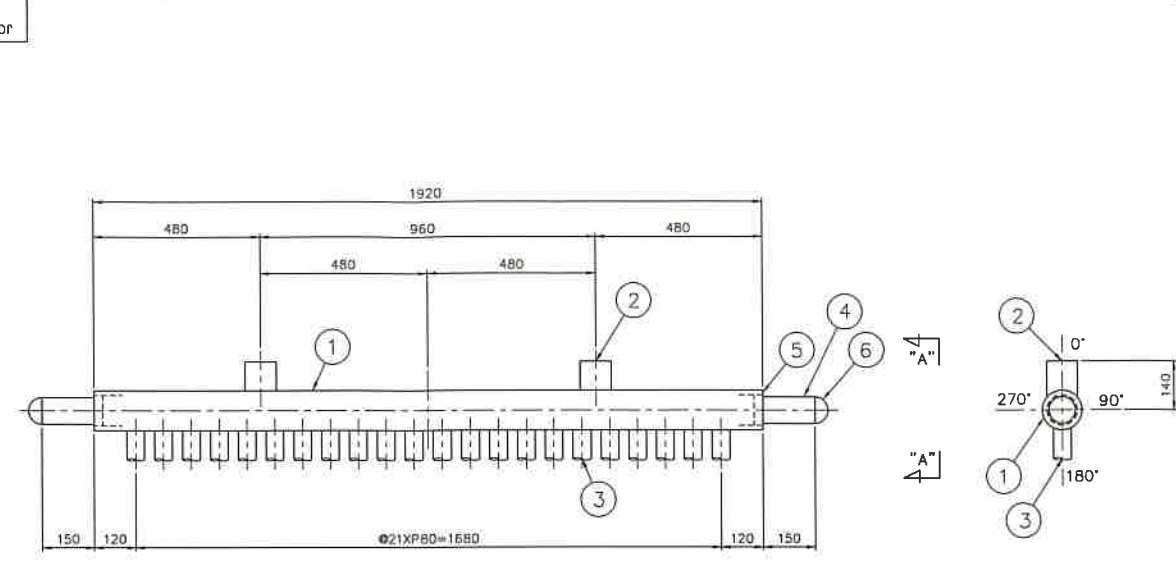
Title  
DETAIL of HEADER  
(H6~4, H18~4)  
(FL.+30875, FL.+20500)

Drawing No.  
KW3-PH08

Revisions

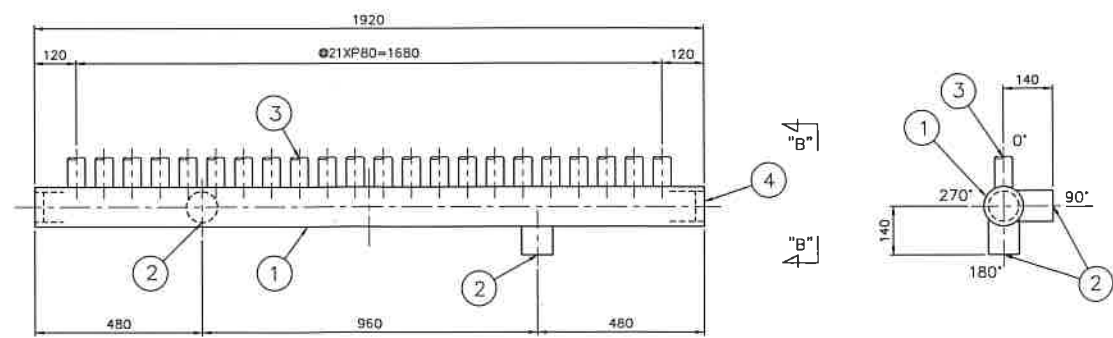
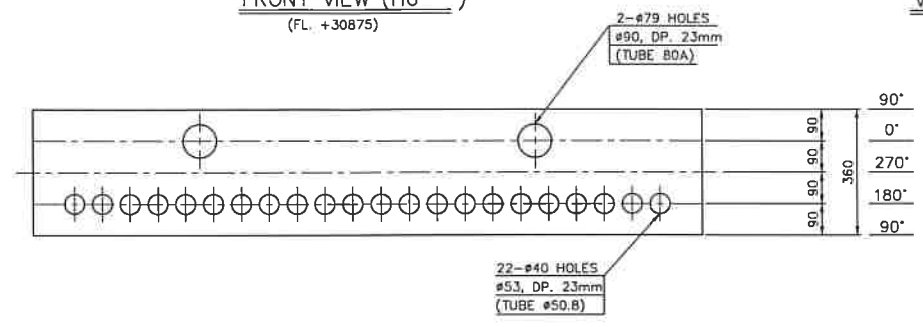
Mark

KANG WON BOILER MFG. CO., LTD.  
SEOUL, KOREA



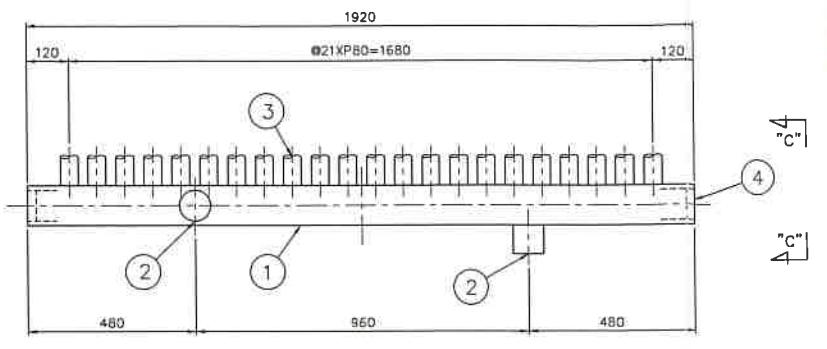
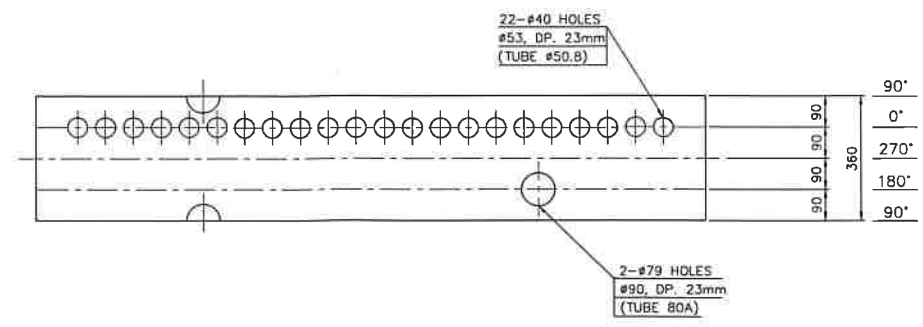
FRONT VIEW (H6~4)  
(FL. +30875)

VIEW "A"-"A"

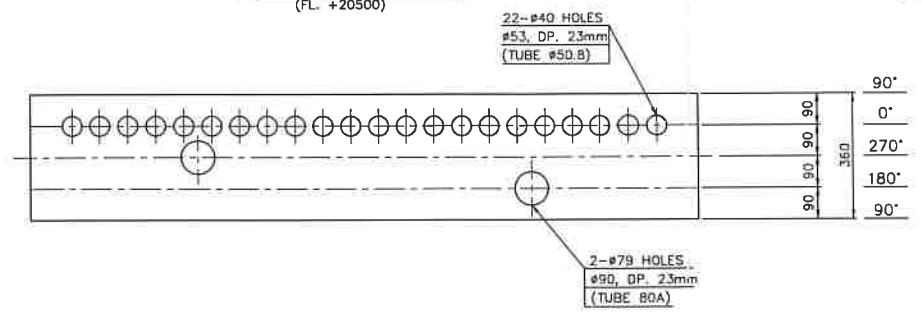


FRONT VIEW (H18~2)  
(FL. +20500)

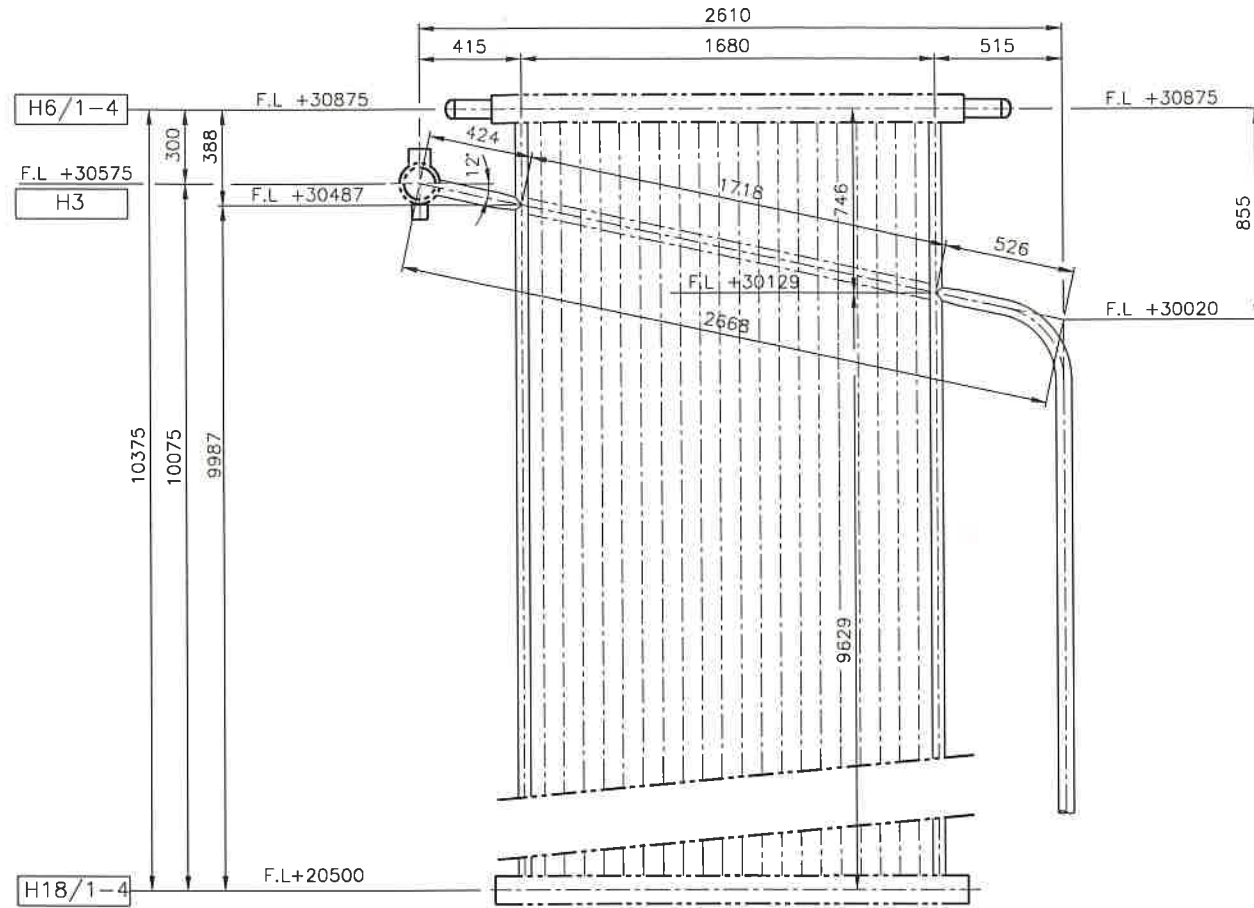
VIEW "B"-"B"



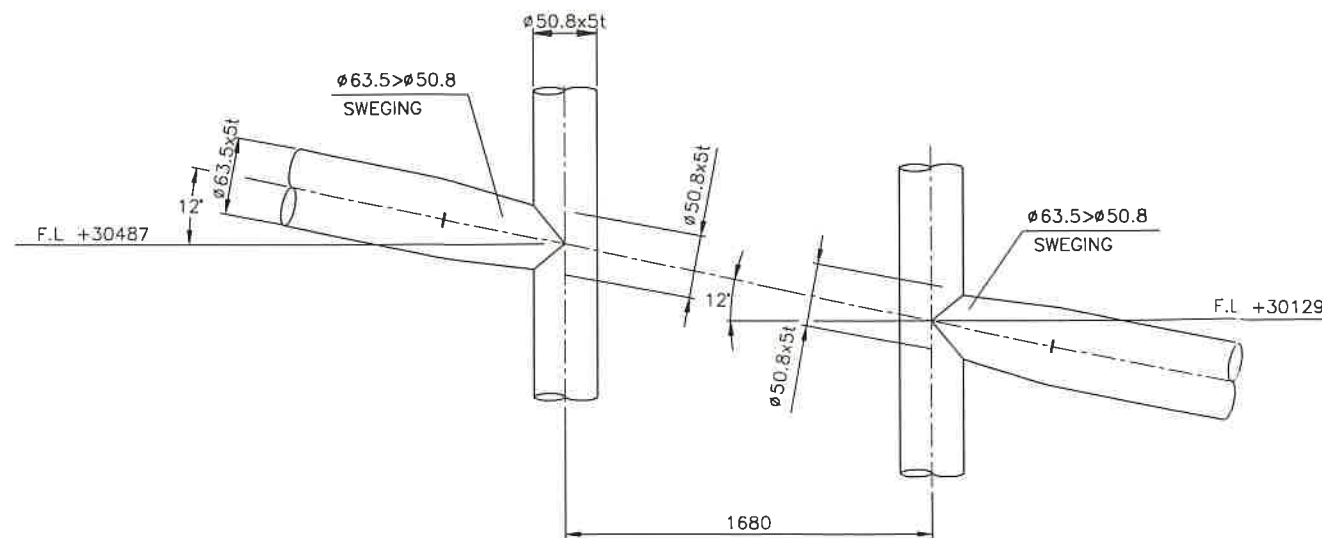
FRONT VIEW (H18~4)  
(FL. +20500)



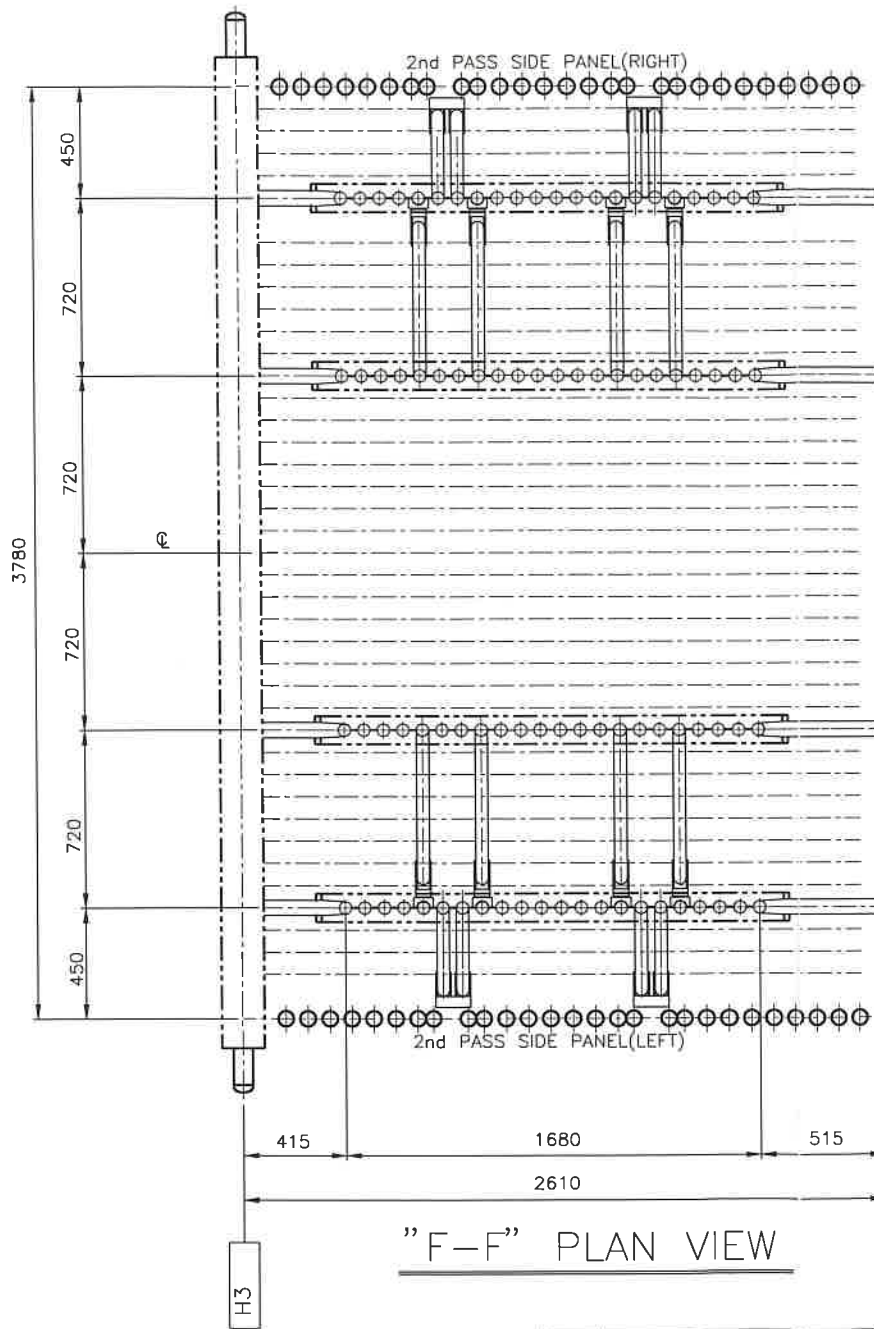
Z90-86 'ON 80'



FRONT VIEW



DETAIL OF CON'N TEE



"F-F" PLAN VIEW

본 공작은 설계 및 제작에 있어 현대  
기술을 채택하였으며, 품질을 보증하며  
정확한 시공을 받음.  
KANGWON BOILER MFG. CO., LTD.

FINAL



| NO.                                                         | DESCRIPTION | MAT'L | Q'TY    | SIZE      | REMARKS  |
|-------------------------------------------------------------|-------------|-------|---------|-----------|----------|
| Customer<br>△ HYUNDAI ENGINEERING AND CONSTRUCTION CO.,LTD. |             |       |         |           |          |
| Project<br>군포 쓰레기 소각시설 건설공사<br>MSWIP Kunpo                  |             |       |         |           |          |
| Projection                                                  | Scale       | Unit  | Date    | Drawn     | Checked  |
| 1/20                                                        | 1/20        | mm    | 99.3.10 | y.h. CHO  | Y.H. LEE |
| Title                                                       |             |       |         | M.H. SHIN |          |
| 2nd REAR PANEL & PLATEN EVA'R<br>CON'N DETAIL (3/3)         |             |       |         |           |          |
| Drawing No. KW3-PA-10-2                                     |             |       |         |           |          |
| Marks                                                       | Revision    | Date  | Drawn   | Chk'd     | App'd    |
| Maker No.                                                   |             |       |         |           |          |
| KANGWON BOILER MFG. CO., LTD.<br>SEOUL, KOREA               |             |       |         |           |          |