



深圳市诚锦鹏实业有限公司  
SHENZHEN CHENGJINPENG INDUSTRIAL CO., LTD

## 无损检测报告

### NONDESTRUCTIVE TESTING REPORT

工程名称 Project Name: HYSY115FPSO 气量超限改造工程

管道电仪保温类改造人员机具服务

HYSY115FPSO Gas Excess Reform Project Pipeline Electrical Instrument

Thermal Insulation Retrofit Personnel and Machinery Services

委托单位 Commission Unit : 深圳市海基实业有限公司

委托单位地址 Client Address: 深圳市南山区南海大道新能源大厦 A 座 11B10 室

工程编号 Project No. : CJP-WR-094-027-19-038

检测方法 Inspection Method : UT

报告编号 Report No. : CJP-WR-094-027-UT002-19-038

页数 Number of pages : 共 6 页

报告日期 Report Date : 2019.06.25

批准人 Approved by : \_\_\_\_\_



检测单位: 深圳市诚锦鹏实业有限公司

CONTRACTOR: SHENZHEN CHENGJINPENG INDUSTRIAL CO., LTD

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深圳市诚锦鹏实业有限公司  
SHENZHEN CHENGJINPENG INDUSTRIAL CO.,LTD

# 超声波检测报告

## ULTRASONIC TESTING REPORT

项目名称: HYSY115FPSO 气量超限改造工程管道电仪保温类改造人员机具服务

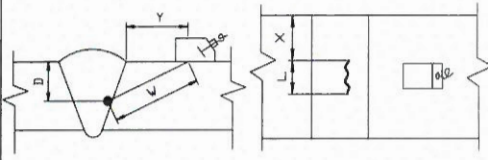
报告日期:

报告编号:

Project Name: HYSY115FPSO Gas Excess Reform Project Pipeline Electrical Instrument Thermal Insulation Retrofit Personnel and Machinery Services

Report Date: 2019.06.25

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|                                                                                                                                                                                                          |                                            |                            |                  |                  |                                 |                         |                     |                                                                                                   |                           |   |   |                |             |             |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------|------------------|------------------|---------------------------------|-------------------------|---------------------|---------------------------------------------------------------------------------------------------|---------------------------|---|---|----------------|-------------|-------------|----------------------------|
| 检测地点<br>Test Position                                                                                                                                                                                    | HYSY115                                    | 执行标准<br>Executive Standard | NB/T47013.3-2015 |                  | 仪器型号<br>Instrument Type         | ZXUD-40E                |                     | 基准灵敏度<br>Ref. Sensitivity                                                                         | Φ2×40-18dB                |   |   |                |             |             |                            |
| 检测比例<br>Testing Rate                                                                                                                                                                                     | 100%                                       | 合格级别<br>Acceptance Grade   | I 级              |                  | 仪器编号<br>Instrument No.          | CJP-CS-17               |                     | 检验灵敏度<br>Test Sensitivity                                                                         | Φ2×40-18dB+6dB            |   |   |                |             |             |                            |
| 图纸号<br>Drawing No.                                                                                                                                                                                       | SD-DWG-FPSO-SF-1013<br>SD-DWG-FPSO-SF-1014 | 表面状态<br>Surface Condition  | Smooth           |                  | 灵敏度试块<br>Sensitivity Block      | CSK-I A/CSK-II A-1      |                     | 图 Drawing:<br> |                           |   |   |                |             |             |                            |
| 材质<br>Material                                                                                                                                                                                           | CS                                         | 探头型号<br>Probe Type         | 5Z8×12A70        |                  | 探头角度/入射点<br>Probe Angle / Index | 70.8° / 10mm            |                     |                                                                                                   |                           |   |   |                |             |             |                            |
| 焊接方法<br>Welding Process                                                                                                                                                                                  | GMAW                                       | 坡口型式<br>Groove Type        | K                |                  | 耦合剂<br>Couplant                 | 工业浆糊                    |                     |                                                                                                   |                           |   |   |                |             |             |                            |
| 工件编号<br>Workpiece No.                                                                                                                                                                                    | 焊缝号<br>Weld No.                            | 焊工号<br>Welder No.          | 厚度<br>THK (mm)   | 焊缝长度<br>W.L (mm) | 探头角度<br>Probe Angle             | 缺陷编号<br>Defect No.      | 参考点 Reference Point |                                                                                                   |                           |   |   | 性质<br>Property | 范围<br>Range | 意见<br>Judge | 返修报告号<br>Repair Report No. |
|                                                                                                                                                                                                          |                                            |                            |                  |                  |                                 |                         | X                   | Y                                                                                                 | W                         | D | L |                |             |             |                            |
| YL17109                                                                                                                                                                                                  | H30-1-1                                    | ZHT183                     | 14               | —                | 70.8°                           | —                       | —                   | —                                                                                                 | —                         | — | — | —              | —           | I 级 Acc     | —                          |
| YL17109                                                                                                                                                                                                  | H30-1-2                                    | ZHT183                     | 14               | —                | 70.8°                           | —                       | —                   | —                                                                                                 | —                         | — | — | —              | —           | I 级 Acc     | —                          |
| YL17109                                                                                                                                                                                                  | H30-1-3                                    | ZHT183                     | 14               | —                | 70.8°                           | —                       | —                   | —                                                                                                 | —                         | — | — | —              | —           | I 级 Acc     | —                          |
| YL17109                                                                                                                                                                                                  | H30-1-4                                    | ZHT183                     | 14               | —                | 70.8°                           | —                       | —                   | —                                                                                                 | —                         | — | — | —              | —           | I 级 Acc     | —                          |
| YL17109                                                                                                                                                                                                  | H30-2-1                                    | ZHT183                     | 14               | —                | 70.8°                           | —                       | —                   | —                                                                                                 | —                         | — | — | —              | —           | I 级 Acc     | —                          |
| END                                                                                                                                                                                                      |                                            |                            |                  |                  |                                 |                         |                     |                                                                                                   |                           |   |   |                |             |             |                            |
| 注(Notes): X.Y.W.D.L: 见图 (See Drawing), 未熔合 (LOF--Lack of Fusion), 未焊透 (LOP--Lack of Penetration), 裂纹 (C--Crack), 夹渣 (S.I--Slag Inclusion), 气孔 (P--Porosity), 合格 (Acc--Acceptance), 不合格 (Rej--Rejection). |                                            |                            |                  |                  |                                 |                         |                     |                                                                                                   |                           |   |   |                |             |             |                            |
| 签字 Sign:                                                                                                                                                                                                 |                                            |                            | 检验员 (Inspector)  |                  |                                 | 技术监督 (Tech. Supervisor) |                     |                                                                                                   | 签字授权人 (Authorized Signee) |   |   |                |             |             |                            |
| 日期 Date:                                                                                                                                                                                                 |                                            |                            | Li Le            |                  |                                 | Tang Yuezun             |                     |                                                                                                   | Tang Yuezun               |   |   |                |             |             |                            |
|                                                                                                                                                                                                          |                                            |                            | 2019.06.25       |                  |                                 | 2019.06.25              |                     |                                                                                                   | 2019.06.25                |   |   |                |             |             |                            |



检测报告附图  
SKETCH OF DETECTION POSITION

报告编号:  
Report No: CJP-WR-094-027-UT002-19-038



H30-1-1



H30-1-2



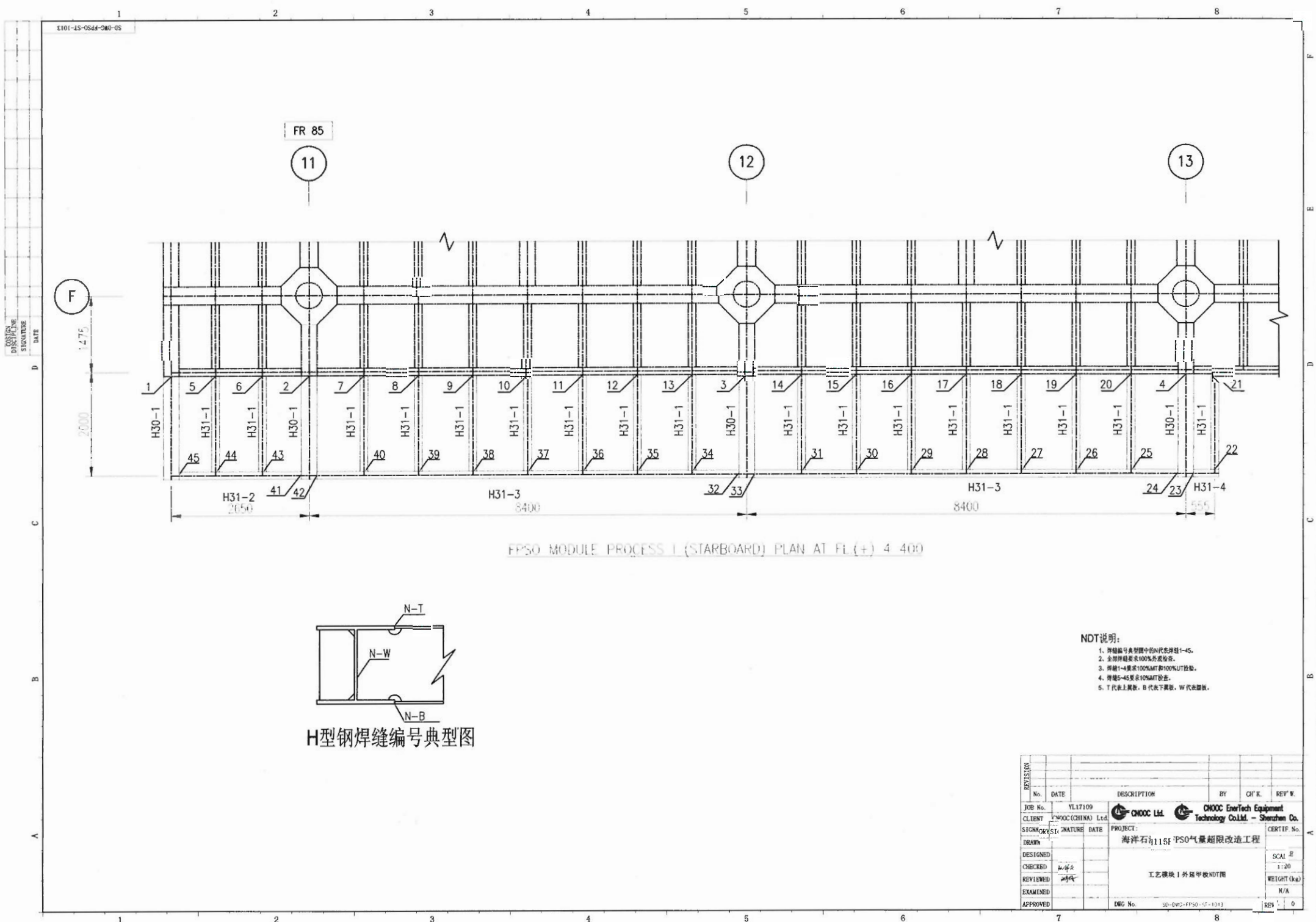
H30-1-3



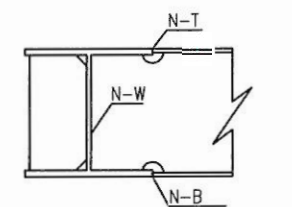
H30-1-4



H30-2-1



FPSO MODULE PROCESS I (STARBOARD) PLAN AT FL (+) 4.400



H型钢焊缝编号典型图

- NDT说明:
- 1. 焊缝编号典型图中的N代表焊缝1-45.
  - 2. 全部焊缝要求100%UT检测.
  - 3. 焊缝1-4要求100%MT和100%UT检测.
  - 4. 焊缝5-45要求100%MT检测.
  - 5. T代表上翼板, B代表下翼板, W代表腹板.

| REVISION  |  | No.             |  | DATE                                                      | DESCRIPTION | BY | CHK. | REV. |
|-----------|--|-----------------|--|-----------------------------------------------------------|-------------|----|------|------|
| JOB No.   |  | VL17109         |  |                                                           |             |    |      |      |
| CLIENT    |  | CHOC(CHINA) Ltd |  | CHOC EnerTech Equipment Technology Co.Ltd. - Shenzhen Co. |             |    |      |      |
| SIGNATURE |  | DATE            |  | PROJECT: 海洋石油115FPSO气量超限改造工程                              |             |    |      |      |
| DRAWN     |  |                 |  | CERTIF No.                                                |             |    |      |      |
| DESIGNED  |  |                 |  | SCALE                                                     |             |    |      |      |
| CHECKED   |  |                 |  | 1:20                                                      |             |    |      |      |
| REVIEWED  |  |                 |  | WEIGHT (kg)                                               |             |    |      |      |
| EXAMINED  |  |                 |  | N/A                                                       |             |    |      |      |
| APPROVED  |  |                 |  | REV 0                                                     |             |    |      |      |
|           |  |                 |  | DWG No. 50-DWG-FPSO-17-1013                               |             |    |      |      |



DATE \_\_\_\_\_  
SIGNATURE \_\_\_\_\_  
DISCIPLINE \_\_\_\_\_



A schematic diagram of a two-story building. A lightning bolt symbol strikes the roof. Two labels, 'N-T' and 'N-W', are shown. 'N-T' points to the top-left corner of the upper floor. 'N-W' points to the top-right corner of the upper floor.

# H型钢焊缝编号典型图

说明:

1. 焊缝符号型图中的N代表焊缝1-19。
2. 全部焊缝要求100%外观检查。
3. 焊缝1要求100%MT和100%UT检查。
4. 焊缝2-19要求10%MT检查。

注: T代表上覆板, B代表下覆板, W代表侧板。



备注

Remark

1. 报告无检测单位“检测专用章”无效。  
Report without the specified inspection stamp of CJP company is invalid.
2. 报告无操作人员或评片人、技术监督、技术负责人签字无效。  
Report without the signatures of operator of film judge, tech. supervisor and tech. principal is invalid.
3. 本报告涂改无效。  
Report with alteration will be invalid.
4. 本报告仅对被检产品受检部位负责。  
Report is only responsible for the inspective pieces.
5. 未经检测单位同意不得复制本报告。  
Report should not be copied without the agreement of CJP company.
6. 委托单位对检测结果若有异议，请于十五日内提出。  
Client should inform CJP company within 15 days if there're any question about the inspective result.
7. 本报告一式三份；本公司存档一份，客户两份。  
Report is in triplicity, original stored in CJP company, two copies for client.
8. 未加盖 CMA 章的检测报告，不具备向社会起证明作用的数据和结果。  
The data and result of the inspection report that unsealed can not be proved to society.

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Contractor: Shenzhen Chengjinpeng Industrial Co.,LTD

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