

| REPORT OF ULTRASONIC EXAMINATION<br>초음파비파괴검사보고서                                                                                                                                                             |             |                                                                                                                                                       |                  | INDT                                                                                                                                                                                                          |                                                                               | 보고서번호<br>Report No. | ISU- 151102 - K08 -7 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------|----------------------|
| 경기도 광명시 오리로 349 (소하동) T:02)897-5859 F:02)897-5348                                                                                                                                                           |             |                                                                                                                                                       |                  | 國際非破壞検査(株)                                                                                                                                                                                                    |                                                                               | 페이지<br>Page         | 1 of 7               |
| Customer 주문주/Const. & MFR. 제작자<br>(주)신대구부산고속도로 /<br>(주)아워브레인                                                                                                                                                |             | Project Name 공사명<br>신대구부산고속도로 1구간 정밀안전진단용역                                                                                                            |                  | Location 검사위치<br>삼성1교                                                                                                                                                                                         |                                                                               |                     |                      |
| Item Name 제품명<br>Steel Box Girder                                                                                                                                                                           |             | Material 재질 / Thickness 두께<br>SM490 / 8-32mm                                                                                                          |                  | Dwg. No. 도면번호<br>N/A                                                                                                                                                                                          |                                                                               |                     |                      |
| Joint Config. 용접모양<br><input type="checkbox"/> Bevel Groove <input type="checkbox"/> V-Groove<br><input type="checkbox"/> K-Groove <input checked="" type="checkbox"/> X-Groove<br><input type="checkbox"/> |             | Code 규격 / Procedure 절차서<br>KS B 0896 2류 (L검출레벨)<br>INDT-QCP-UT-01K                                                                                    |                  | Surface Condition 표면상태<br><input checked="" type="checkbox"/> As Welded <input type="checkbox"/> As Forged<br><input type="checkbox"/> As Cast <input type="checkbox"/> As ground<br><input type="checkbox"/> |                                                                               |                     |                      |
| Testing Equipment 검사장비<br>Sonatest Sitiescan140 (1401238C)<br>Due Date (유효기간) : 2015.12.07                                                                                                                  |             | Linearity 직선성<br>Amplitude Control Screen Height<br>Within± 2 %FSH Within± 1 %FSH                                                                     |                  | Scanning Sensitivity 탐상감도<br>STB-A2 Ø4×4 hole 80% + 6 dB                                                                                                                                                      |                                                                               |                     |                      |
| Method 검사방법<br><input checked="" type="checkbox"/> Contact 접촉법 <input type="checkbox"/> Immerse 수침법                                                                                                         |             | Couplant 접촉매질<br><input type="checkbox"/> Glycerin <input type="checkbox"/> Oil<br><input checked="" type="checkbox"/> C.M.C <input type="checkbox"/> |                  | Calibration Block 교정블럭<br>STB-A1,A2 Block                                                                                                                                                                     |                                                                               |                     |                      |
| Transducer<br>탐촉자                                                                                                                                                                                           | Model<br>모델 | Serial No.<br>일련번호                                                                                                                                    | Angle<br>교정각도(°) | Frequency<br>주파수(MHz)                                                                                                                                                                                         | Size<br>크기(mm)                                                                | Cable<br>케이블        |                      |
|                                                                                                                                                                                                             | KUB70-4     | F001                                                                                                                                                  | 70               | 4                                                                                                                                                                                                             | 8×9                                                                           | LEMO                |                      |
|                                                                                                                                                                                                             |             |                                                                                                                                                       |                  |                                                                                                                                                                                                               |                                                                               |                     |                      |
| Memo<br>메 모                                                                                                                                                                                                 |             |                                                                                                                                                       |                  |                                                                                                                                                                                                               |                                                                               |                     |                      |
| Examined by<br>시험자 장 동 현                                                                                                                                                                                    |             |                                                                                                                                                       | 기능사<br>기술자       |                                                                                                                                                                                                               | Date of Examination 시험일자<br>2015년 8월 31일 ~ 2015년 10월 22일                      |                     |                      |
| Approved by<br>승인자 봉 경 득                                                                                                                                                                                    |             |                                                                                                                                                       | 기사<br>책임기술자      |                                                                                                                                                                                                               | <input type="checkbox"/> Witnessed by<br><input type="checkbox"/> Reviewed by |                     |                      |

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| 확인번호<br>Ident No. | 합<br>Acc<br>ept | 불<br>Rej<br>ect | 위치<br>Location<br>( X ) | 길이<br>Length<br>( L )    | 위치<br>Location<br>( Y ) | 깊이<br>Depth<br>( D ) | 보정곡선<br>DAC<br>(max) | 등급<br>Grade | 용접사<br>Welder | 비고<br>Remarks |
|-------------------|-----------------|-----------------|-------------------------|--------------------------|-------------------------|----------------------|----------------------|-------------|---------------|---------------|
| 1                 | 대구 G1-UT1       | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 2                 | UT2             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 3                 | UT3             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 4                 | UT4             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 5                 | UT5             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 6                 | UT6             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 7                 | UT7             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 8                 | UT8             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 9                 | UT9             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 10                | UT10            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 11                | UT11            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 12                | UT12            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 13                | UT13            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 14                | UT14            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 15                | 대구 G2-UT1       | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 16                | UT2             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 17                | UT3             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 18                | UT4             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 19                | UT5             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 20                | UT6             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 21                | UT7             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 22                | UT8             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 23                | UT9             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 24                | UT10            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 25                | UT11            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 26                | UT12            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 27                | UT13            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 28                | UT14            | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 29                | 부산 G1-UT1       | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |
| 30                | UT2             | ✓               |                         | NO RECORDABLE INDICATION |                         |                      |                      | 1           |               |               |



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|-------------------|-----------------|-----------------|-----------------------|---------------------|-----------------------|--------------------------|----------------------|-------------|---------------|---------------|
| 31                |                 |                 | 부산 G1-UT3             | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 32                |                 |                 | UT4                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 33                |                 |                 | UT5                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 34                |                 |                 | UT6                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 35                |                 |                 | UT7                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 36                |                 |                 | UT8                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 37                |                 |                 | UT9                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 38                |                 |                 | UT10                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 39                |                 |                 | UT11                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 40                |                 |                 | UT12                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 41                |                 |                 | UT13                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 42                |                 |                 | UT14                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 43                |                 |                 | 부산 G2-UT1             | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 44                |                 |                 | UT2                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 45                |                 |                 | UT3                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 46                |                 |                 | UT4                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 47                |                 |                 | UT5                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 48                |                 |                 | UT6                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 49                |                 |                 | UT7                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 50                |                 |                 | UT8                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 51                |                 |                 | UT9                   | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 52                |                 |                 | UT10                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 53                |                 |                 | UT11                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 54                |                 |                 | UT12                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 55                |                 |                 | UT13                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
| 56                |                 |                 | UT14                  | ✓                   |                       | NO RECORDABLE INDICATION |                      | 1           |               |               |
|                   |                 |                 | ~ B L A N K ~         |                     |                       |                          |                      |             |               |               |
|                   |                 |                 |                       |                     |                       |                          |                      |             |               |               |
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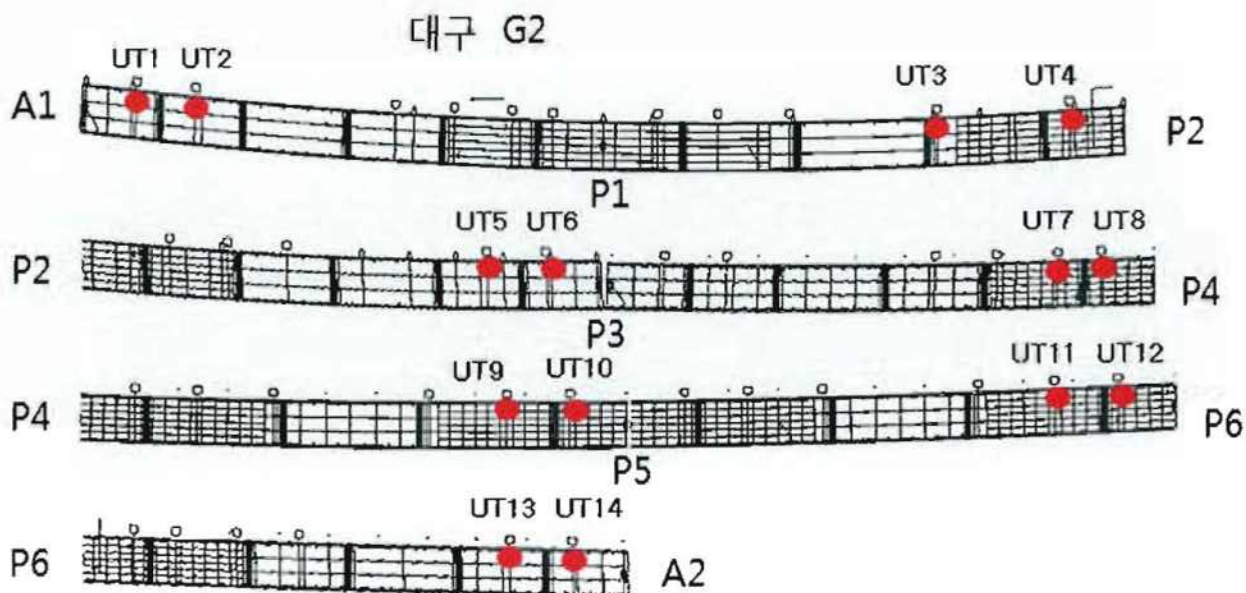
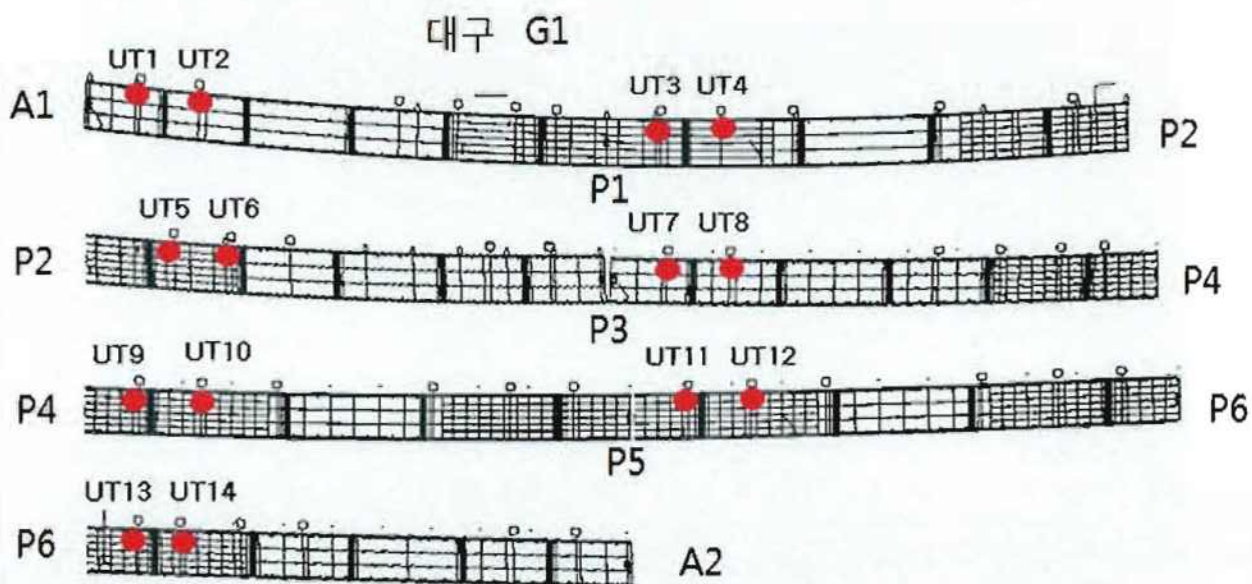
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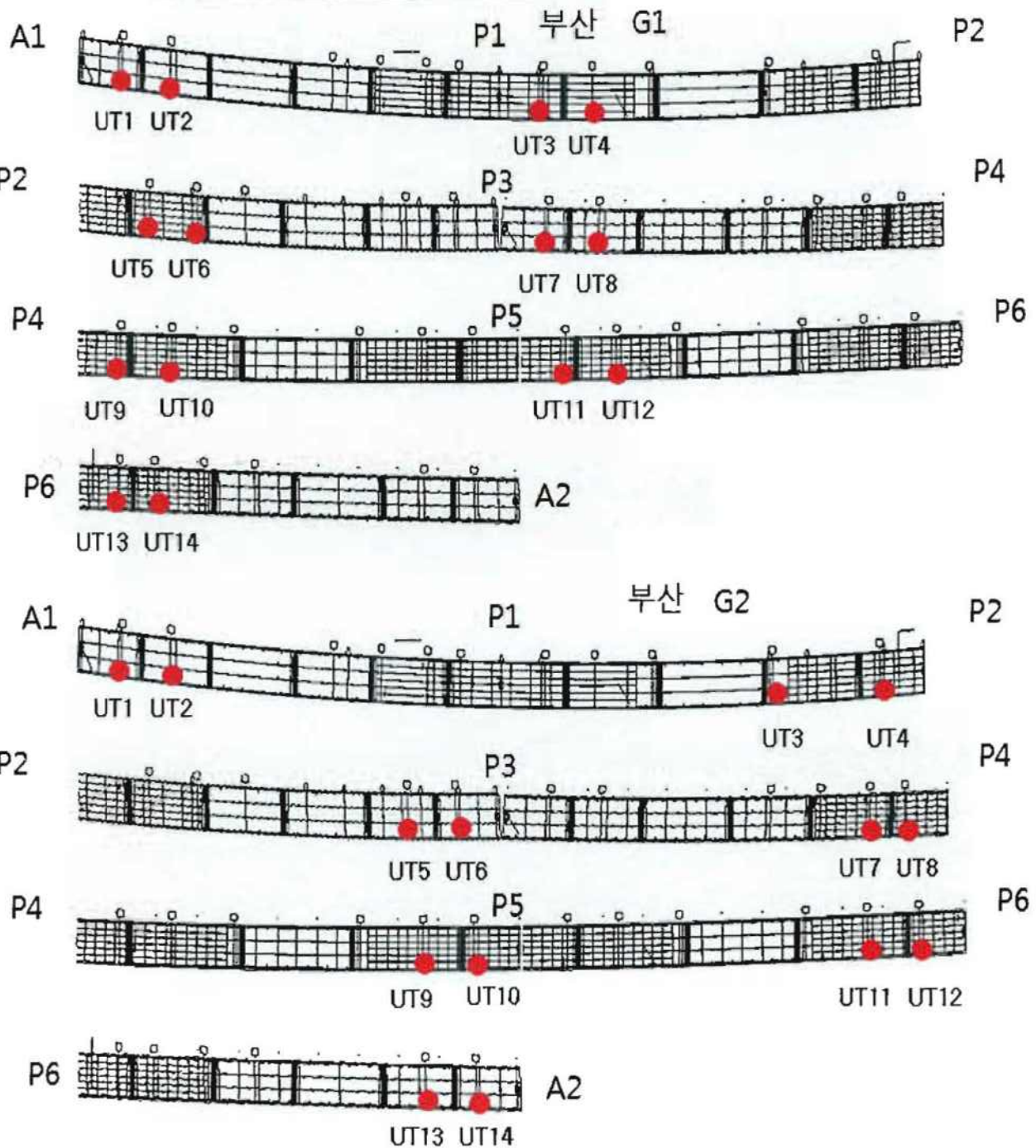
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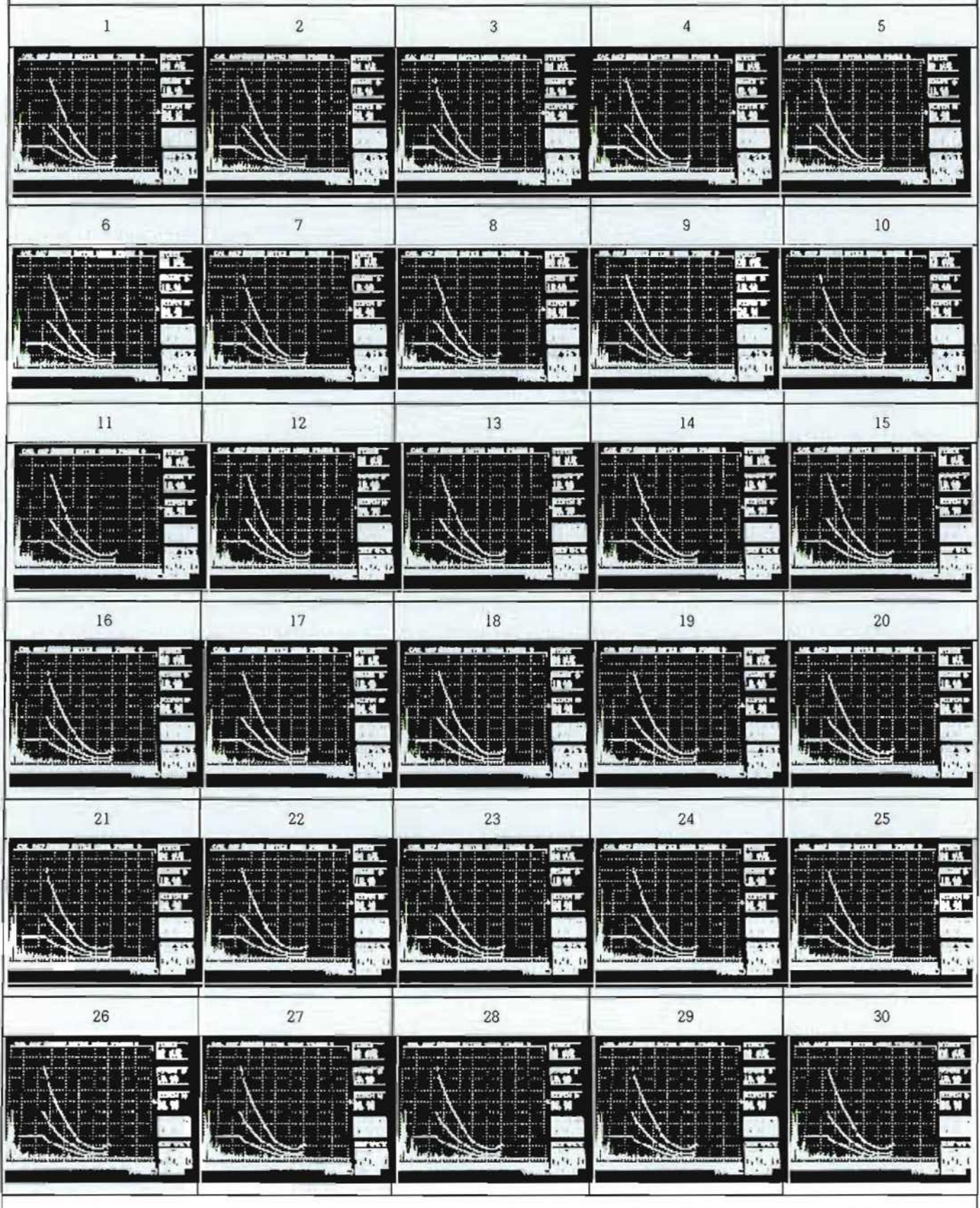
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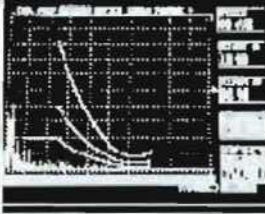
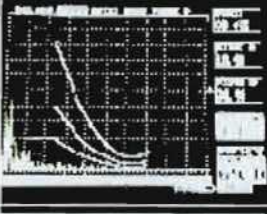
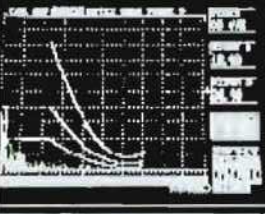
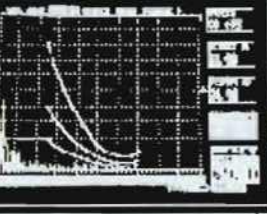
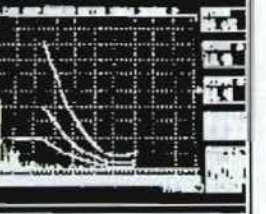
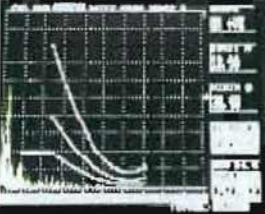
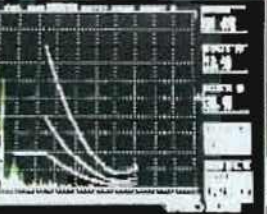
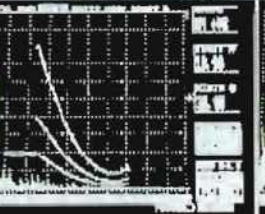
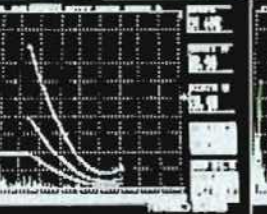
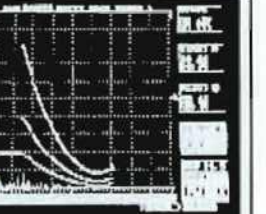
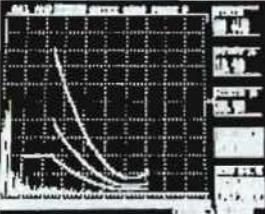
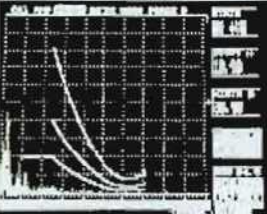
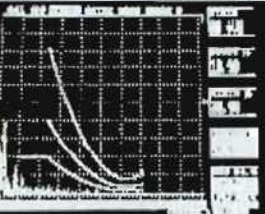
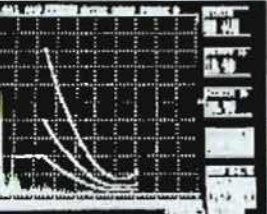
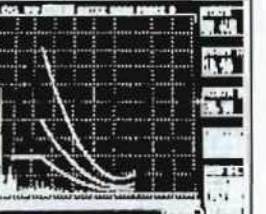
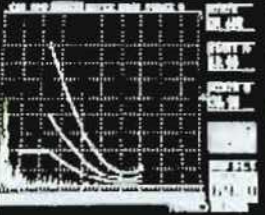
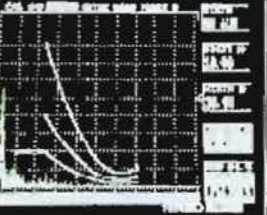
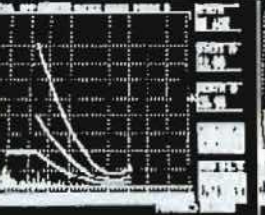
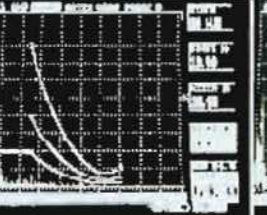
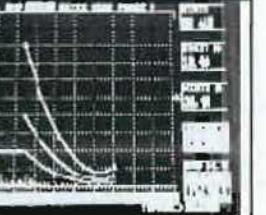
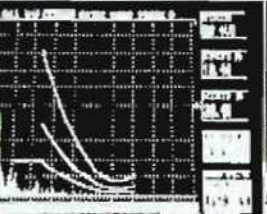
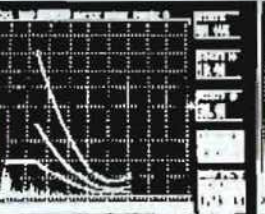
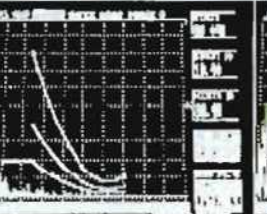
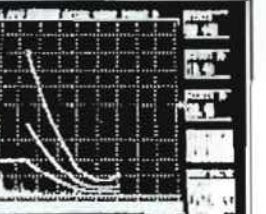
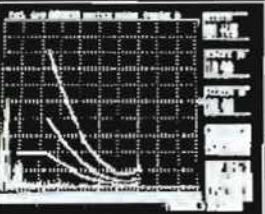
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|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 31                                                                                  | 32                                                                                  | 33                                                                                  | 34                                                                                   | 35                                                                                    |
|    |    |    |    |    |
| 36                                                                                  | 37                                                                                  | 38                                                                                  | 39                                                                                   | 40                                                                                    |
|    |    |    |    |    |
| 41                                                                                  | 42                                                                                  | 43                                                                                  | 44                                                                                   | 45                                                                                    |
|  |  |  |  |  |
| 46                                                                                  | 47                                                                                  | 48                                                                                  | 49                                                                                   | 50                                                                                    |
|  |  |  |  |  |
| 51                                                                                  | 52                                                                                  | 53                                                                                  | 54                                                                                   | 55                                                                                    |
|  |  |  |  |  |
| 56                                                                                  | N/A                                                                                 | N/A                                                                                 | N/A                                                                                  | N/A                                                                                   |
|  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |