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| <b>CONTRACT DATA REQUIREMENTS LIST</b><br><i>(1 Data Item)</i>  |  |                        |   |   |  | <i>Form Approved</i><br><b>OMB No. 0704-0188</b>  |                      |          |                       |          |          |              |          |          |          |
|---|--|------------------------|---|---|--|---|----------------------|----------|-----------------------|----------|----------|--------------|----------|----------|----------|
| Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. Listed in Block E. |  |                        |   |   |  |   |                      |          |                       |          |          |              |          |          |          |
| <b>A. CONTRACT LINE ITEM NO.</b><br>0004AA  |  | <b>B. EXHIBIT</b><br>E |   | <b>C. CATEGORY</b><br>TDF _____ TM _____ OTHER <input checked="" type="checkbox"/> (NDTI) |  |   |                      |          |                       |          |          |              |          |          |          |
| <b>D. SYSTEM/ITEM</b><br>Disposal Container   |  |                        | <b>E. CONTRACT/PR NO.</b>                           |   | <b>F. CONTRACTOR</b>                       |   |                      |          |                       |          |          |              |          |          |          |
| <b>1. DATA ITEM NO.</b><br>E01  | <b>2. TITLE OF DATA ITEM</b><br>TEST/INSPECTION REPORT |                        |   |   | <b>3. SUBTITLE</b><br>Weight Record Report |   |                      |          |                       |          |          |              |          |          |          |
| <b>4. AUTHORITY (Data Acquisition Document No.)</b><br>DI-NDTI-80809B   |  |                        | <b>5. CONTRACT REFERENCE</b><br>DWG 2301-3291 Rev J |   |  | <b>6. REQUIRING OFFICE</b><br>PSNS & IMF C/300N.4 |                      |          |                       |          |          |              |          |          |          |
| <b>7. DD 250 REQ</b><br>DD  | <b>9. DIST STATEMENT REQUIRED</b><br>N/A               |                        | <b>10. FREQUENCY</b><br>OTIME                       | <b>12. DATE OF FIRST SUBMISSION</b><br>SEE BLK 16   | <b>14. DISTRIBUTION</b>                    |   |                      |          |                       |          |          |              |          |          |          |
| <b>8. APP CODE</b><br>A   |  |                        | <b>11. AS OF DATE</b><br>N/A                        | <b>13. DATE OF SUBSEQUENT SUBMISSION</b><br>N/A   | <b>A. ADDRESSEE</b>                        |   | <b>b. COPIES</b>     |          |                       |          |          |              |          |          |          |
| <p><b>16.</b></p> <p>WEIGHT RECORD REPORT REQUIRED BY DWG 2301-3291 Rev. J – Para 20.A</p> <p>BLOCK 8: WRITTEN WEIGHT RECORD REPORT SHALL BE SUBMITTED FOR GOVERNMENT APPROVAL. THE GOVERNMENT WILL HAVE 7 CALENDAR DAYS FOR REVIEW. THE CONTRACTOR SHALL HAVE 7 CALENDAR DAYS TO REVISE (IF REQUIRED) AND RESUBMIT FOR A NEW REVIEW. CONTRACTOR FORMAT IS ACCEPTABLE.</p> <p>BLOCKS 10, 12, AND 13: WRITTEN WEIGHT RECORD REPORT SHALL BE PROVIDED SHOWING WEIGHT RECORD REPORT WAS SATISFACTORILY PERFORMED FOR EACH STORAGE CONTAINER WITH THE DELIVERY OF THE CONTAINER TO PSNS.</p> <p>BLOCK 14: THE TEST REPORT SHALL BE PROVIDED IN ELECTRONIC UNPROTECTED SEARCHABLE PDF FORMAT WITH EMAIL NOTIFICATION TO ALL ADDRESSEES.</p>  |  |                        |   |   | <b>A. ADDRESSEE</b>                        | <b>Draft</b>                                      | <b>Final</b>         |          | <b>17. PRICE GROU</b> |          |          |              |          |          |          |
|   |  |                        |   |   |  |   | <b>PSNS C/300N.4</b> | <b>0</b> |                       | <b>1</b> | <b>0</b> |              |          |          |          |
|   |  |                        |   |   |  |   |                      |          |                       |          |          | <b>TOTAL</b> | <b>1</b> | <b>1</b> | <b>0</b> |

17. PRICE GROU

18. ESTIMATED TOTAL PRIC

|  |  |                                |  |                       |  |                |  |
|--|--|--------------------------------|--|-----------------------|--|----------------|--|
| <b>G. PREPARED BY</b><br>R. Balter C/380.3 |  | <b>H. DATE</b><br>14 SEPT 2016 |  | <b>H. APPROVED BY</b> |  | <b>J. DATE</b> |  |
|--|--|--------------------------------|--|-----------------------|--|----------------|--|

## DATA ITEM DESCRIPTION

**Title: Test/Inspection Report**

**Number: DI-NDTI-80809B**

**AMSC Number: N/A**

**DTIC Applicable: N/A**

**Office of Primary Responsibility: F/AFMC-DOP**

**Applicable Forms: N/A**

**Distribution Statement A: Approved for public release. Distribution is unlimited.**

**Approval date: 970124**

**Limitation: N/A**

**GIDEP Applicable: N/A**

**Description/Purpose:** The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the Government or Contracting Agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

**Application/interrelationship:** This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing.

This DID supersedes DI-NDTI-80809A and DI-MISC-80653.

### Requirements:

- 1 Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.
- 2 Content. The test/inspection report shall contain the following information, as applicable.
  - 2.1 The following information shall appear on the outside front cover and title page:
    - a. Report date
    - b. Report number (contractor or Government)
    - c. Contractor's name, address, and commercial and Government code
    - d. Contract number and contract line item number or sequence number (if applicable)
    - e. Type of test/inspection (for example, first article acceptance test, quality performance inspection, developmental test, qualification test, environmental test)
    - f. Identification of item tested/inspected
    - g. Date or period of test/inspection
    - h. Name and address of requiring Government activity
    - i. Security classification, downgrading and declassifying information, if applicable
  - 2.2 Table of Contents. The table of contents shall identify the following:
    - a. The title and starting page of each major section, paragraph, and appendix of report
    - b. The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, drawing, etc.)
  - 2.3 Introduction. The introduction shall include the following information:
    - 2.3.1 Test/inspection objective(s). The specific test/inspection objective(s) as specified in the contract tasking document.
    - 2.3.2 Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:
      - a. Nomenclature

- b. National stock number
- c. Model number, part number, and serial number
- d. Type of item (for example; prototype, production item, laboratory model)
- e. Serial or lot number
- f. Applicable engineering changes
- g. Production item specification, if applicable
- h. Date of manufacture

2.3.3 Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

- a. Required test/inspection parameters
- b. Performance requirements, acceptance or compliance limits, and environmental criteria

2.4 Summary. Complete test/inspection report summary including the following:

- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in the report
- b. Proposed corrective actions and schedules for failures or problems encountered
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data

2.5 Referenced documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

- a. Prior test/inspection reports on the same item
- b. Test/inspection plans and procedure documents
- c. Prior certifications of compliance
- d. Contractor's file designation where test/inspection records are maintained
- e. Input parameters used

Note: The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6 Body of report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

- a. Nomenclature
- b. Model number
- c. Serial number
- d. Manufacture
- e. Calibration status
- f. Accuracy data
- g. Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

- a. Location or orientation of the item
- b. Location, orientation, or settings of test equipment and instrumentation
- c. Location, orientation, or settings of sensors and probes
- d. Location or orientation of interconnections, cables, and hoop-ups
- e. Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification

- 2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:
- a. Item selection and inspection that verified suitability for test/inspection
  - b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control condition imposed
- 2.6.4 Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:
- 2.6.4.1 Recorded data. The actual recorded data (for example, log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, it shall be provided in an appendix.
- 2.6.4.2 Test/inspection results. Identification of all test/inspection results to include the following:
- a. Matrices comparing results achieved against test/inspection objectives or requirements
  - b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspection
  - c. Calculation examples
  - d. Discussion of any anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.
- 2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:
- a. The effectiveness of the test/inspection procedures in measuring item performance
  - b. The success or failure of the item to meet required test/inspection objectives
  - c. The need for repeat, additional, or alternative tests/inspections
  - d. The need for item redesign or further development
  - e. The need for improved test/inspection procedures, techniques, or facilities
  - f. The adequacy and completeness of the test/inspection requirements
- 2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:
- a. Acceptability of the item tested/inspected (pass or fail)
  - b. Additional testing/inspection required
  - c. Redesign required
  - d. Problem resolution
  - e. Test/inspection procedure or facility improvements
  - f. Disposition of items tested/inspected
  - g. Documentation changes required
  - h. Testing/inspection improvements
- 2.7 Authentication. The following certifications shall be included, as applicable:
- 2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any Government witnesses.
- 2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior to test/inspection, analytical verification, equivalent item, etc.). The authentication shall include the

signature of a contractor representative authorized to make such authentication and any Government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any Government witness.

2.8 Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the Government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

3 End of DI-NDTI-80809B

**CONTRACT DATA REQUIREMENTS LIST**

*(1 Data Item)*

**Form Approved**

**OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. Listed in Block E.

|  |  |                                |   |  |   |           |          |                          |          |
|--|--|--------------------------------|---|--|---|-----------|----------|--------------------------|----------|
| A. CONTRACT LINE ITEM NO.  |  | B. EXHIBIT                     |   | C. CATEGORY<br>TDF _____ TM _____ OTHER <input checked="" type="checkbox"/> (NDTI) |   |           |          |                          |          |
| D. SYSTEM/ITEM<br><b>Disposal Container</b>  |  |                                | E. CONTRACT/PR NO.                                  |  | F. CONTRACTOR   |           |          |                          |          |
| 1. DATA ITEM NO.   | 2. TITLE OF DATA ITEM<br><b>TEST/INSPECTION REPORT</b> |                                |   | 3. SUBTITLE<br><b>Weight Record Report</b>   |   |           |          |                          |          |
| 4. AUTHORITY (Data Acquisition Document No.)<br><b>DI-NDTI-80809B</b>  |  |                                | 5. CONTRACT REFERENCE<br><b>DWG 2301-3291 Rev J</b> |  | 6. REQUIRING OFFICE<br><b>PSNS &amp; IMF C/300N.4</b> |           |          |                          |          |
| 7. DD 250 REQ<br><b>DD</b>   | 9. DIST STATEMENT REQUIRED<br><b>N/A</b>               |                                | 10. FREQUENCY<br><b>OTIME</b>                       | 12. DATE OF FIRST SUBMISSION<br><b>SEE BLK 16</b>                                  |   |           |          |                          |          |
| 8. APP CODE<br><b>A</b>  |  |                                | 11. AS OF DATE<br><b>N/A</b>                        | 13. DATE OF SUBSEQUENT SUBMISSION<br><b>N/A</b>                                    |   |           |          |                          |          |
| 16.<br><br>WEIGHT RECORD REPORT REQUIRED BY DWG 2301-3291 Rev. J – Para 20.A<br><br>BLOCK 8: WRITTEN WEIGHT RECORD REPORT SHALL BE SUBMITTED FOR GOVERNMENT APPROVAL. THE GOVERNMENT WILL HAVE 7 CALENDAR DAYS FOR REVIEW. THE CONTRACTOR SHALL HAVE 7 CALENDAR DAYS TO REVISE (IF REQUIRED) AND RESUBMIT FOR A NEW REVIEW. CONTRACTOR FORMAT IS ACCEPTABLE.<br><br>BLOCKS 10, 12, AND 13: WRITTEN WEIGHT RECORD REPORT SHALL BE PROVIDED SHOWING WEIGHT RECORD REPORT WAS SATISFACTORILY PERFORMED FOR EACH STORAGE CONTAINER WITH THE DELIVERY OF THE CONTAINER TO PSNS.<br><br>BLOCK 14: THE TEST REPORT SHALL BE PROVIDED IN ELECTRONIC UNPROTECTED SEARCHABLE PDF FORMAT WITH EMAIL NOTIFICATION TO ALL ADDRESSEES. |  |                                | 14. DISTRIBUTION                                    |  | 17. PRICE GROU  |           |          |                          |          |
|  |  |                                | A. ADDRESSEE  |  |   | b. COPIES |          | 18. ESTIMATED TOTAL PRIC |          |
|  |  |                                |   |  |   | Draft     | Final    |                          |          |
|  |  |                                |   |  |   |           | Reg      |                          | Repr     |
|  |  |                                | <b>PSNS C/300N.4</b>                                |  |   | <b>0</b>  | <b>1</b> |                          | <b>0</b> |
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|  |  |                                | <b>TOTAL</b>  |  |   | <b>1</b>  | <b>1</b> |                          | <b>0</b> |
| G. PREPARED BY<br><b>R. Balter C/380.3</b>   |  | H. DATE<br><b>14 SEPT 2016</b> |   | H. APPROVED BY   |   |           |          |                          |          |
|  |  |                                |   | J. DATE  |   |           |          |                          |          |

## DATA ITEM DESCRIPTION

**Title: Test/Inspection Report**

**Number: DI-NDTI-80809B**

**AMSC Number: N/A**

**DTIC Applicable: N/A**

**Office of Primary Responsibility: F/AFMC-DOP**

**Applicable Forms: N/A**

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- 2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

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- 2.7 Authentication. The following certifications shall be included, as applicable:

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3 End of DI-NDTI-80809B

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| <b>A. CONTRACT LINE ITEM NO.</b><br>0004AB   |  |  | <b>B. EXHIBIT</b><br>F                              |   | <b>C. CATEGORY</b><br>TDF _____ TM _____ OTHER <b>X (NDTI)</b> |   |                  |       |                                |  |                       |              |                |   |   |
| <b>D. SYSTEM/ITEM</b><br>Disposal Containers   |  |  | <b>E. CONTRACT/PR NO.</b>                           |   | <b>F. CONTRACTOR</b>   |   |                  |       |                                |  |                       |              |                |   |   |
| <b>1. DATA ITEM NO.</b><br>F01   | <b>2. TITLE OF DATA ITEM</b><br>TEST/INSPECTION REPORT |  |   |   | <b>3. SUBTITLE</b><br>NDT/Proof Test                           |   |                  |       |                                |  |                       |              |                |   |   |
| <b>4. AUTHORITY (Data Acquisition Document No.)</b><br>DI-NDTI-80809B  |  |  | <b>5. CONTRACT REFERENCE</b><br>DWG 2301-3411 Rev D |   |  | <b>6. REQUIRING OFFICE</b><br>PSNS & IMF C/300N.4 |                  |       |                                |  |                       |              |                |   |   |
| <b>7. DD 250 REQ</b><br>DD   | <b>9. DIST STATEMENT REQUIRED</b><br>N/A               |  | <b>10. FREQUENCY</b><br>OTIME                       | <b>12. DATE OF FIRST SUBMISSION</b><br>SEE BLK 16 |  | <b>14. DISTRIBUTION</b>                           |                  |       |                                |  |                       |              |                |   |   |
| <b>8. APP CODE</b><br>A  |  |  | <b>11. AS OF DATE</b><br>N/A                        | <b>13. DATE OF SUBSEQUENT SUBMISSION</b><br>N/A   |  | <b>A. ADDRESSEE</b>                               | <b>b. COPIES</b> |       |                                |  |                       |              |                |   |   |
|  |  |  |   |   |  |   | Draft            | Final |                                |  |                       |              |                |   |   |
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| <p>16.</p> <p>BLOCK 8: WRITTEN NDT/PROOF TEST REPORT SHALL BE SUBMITTED FOR GOVERNMENT APPROVAL. THE GOVERNMENT WILL HAVE 7 CALENDAR DAYS FOR REVIEW. THE CONTRACTOR SHALL HAVE 7 CALENDAR DAYS TO REVISE (IF REQUIRED) AND RESUBMIT FOR A NEW REVIEW. CONTRACTOR FORMAT IS ACCEPTABLE.</p> <p>BLOCKS 10 and 12: WRITTEN LOAD TEST RECORDS SHALL BE PROVIDED SHOWING LOAD TESTING WAS SATISFACTORILY PERFORMED FOR EACH LIFT POINT AT THE TIME OF THE INITIAL BID SUBMISSION AND NO LESS THAN 14 DAYS PRIOR TO CONTRACT BEING AWARDED.</p> <p>BLOCK 14: THE TEST REPORT SHALL BE PROVIDED IN ELECTRONIC UNPROTECTED SEARCHABLE PDF FORMAT WITH EMAIL NOTIFICATION TO ALL ADDRESSEES.</p> |  |  |   |   |  | PSNS C/300N.4                                     | 0                | 1     | 0                              |  |                       |              |                |   |   |
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|  |  |  |   |   |  | <b>G. PREPARED BY</b><br>R. BALTER                |                  |       | <b>H. DATE</b><br>14 SEPT 2016 |  | <b>H. APPROVED BY</b> |              | <b>J. DATE</b> |   |   |

17. PRICE GROU  
18. ESTIMATED TOTAL PRIC

## DATA ITEM DESCRIPTION

**Title: Test/Inspection Report**

**Number: DI-NDTI-80809B**

**AMSC Number: N/A**

**DTIC Applicable: N/A**

**Office of Primary Responsibility: F/AFMC-DOP**

**Applicable Forms: N/A**

**Distribution Statement A: Approved for public release. Distribution is unlimited.**

**Approval date: 970124**

**Limitation: N/A**

**GIDEP Applicable: N/A**

**Description/Purpose:** The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the Government or Contracting Agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

**Application/interrelationship:** This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing.

This DID supersedes DI-NDTI-80809A and DI-MISC-80653.

### Requirements:

- 1 Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.
- 2 Content. The test/inspection report shall contain the following information, as applicable.
  - 2.1 The following information shall appear on the outside front cover and title page:
    - a. Report date
    - b. Report number (contractor or Government)
    - c. Contractor's name, address, and commercial and Government code
    - d. Contract number and contract line item number or sequence number (if applicable)
    - e. Type of test/inspection (for example, first article acceptance test, quality performance inspection, developmental test, qualification test, environmental test)
    - f. Identification of item tested/inspected
    - g. Date or period of test/inspection
    - h. Name and address of requiring Government activity
    - i. Security classification, downgrading and declassifying information, if applicable
  - 2.2 Table of Contents. The table of contents shall identify the following:
    - a. The title and starting page of each major section, paragraph, and appendix of report
    - b. The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, drawing, etc.)
  - 2.3 Introduction. The introduction shall include the following information:
    - 2.3.1 Test/inspection objective(s). The specific test/inspection objective(s) as specified in the contract tasking document.
    - 2.3.2 Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

- a. Nomenclature
- b. National stock number
- c. Model number, part number, and serial number
- d. Type of item (for example; prototype, production item, laboratory model)
- e. Serial or lot number
- f. Applicable engineering changes
- g. Production item specification, if applicable
- h. Date of manufacture

2.3.3 Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

- a. Required test/inspection parameters
- b. Performance requirements, acceptance or compliance limits, and environmental criteria

2.4 Summary. Complete test/inspection report summary including the following:

- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in the report
- b. Proposed corrective actions and schedules for failures or problems encountered
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data

2.5 Referenced documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

- a. Prior test/inspection reports on the same item
- b. Test/inspection plans and procedure documents
- c. Prior certifications of compliance
- d. Contractor's file designation where test/inspection records are maintained
- e. Input parameters used

Note: The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6 Body of report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

- a. Nomenclature
- b. Model number
- c. Serial number
- d. Manufacture
- e. Calibration status
- f. Accuracy data
- g. Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

- a. Location or orientation of the item
- b. Location, orientation, or settings of test equipment and instrumentation
- c. Location, orientation, or settings of sensors and probes
- d. Location or orientation of interconnections, cables, and hoop-ups
- e. Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification

- 2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:
  - a. Item selection and inspection that verified suitability for test/inspection
  - b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control condition imposed
- 2.6.4 Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:
  - 2.6.4.1 Recorded data. The actual recorded data (for example, log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, it shall be provided in an appendix.
  - 2.6.4.2 Test/inspection results. Identification of all test/inspection results to include the following:
    - a. Matrices comparing results achieved against test/inspection objectives or requirements
    - b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspection
    - c. Calculation examples
    - d. Discussion of any anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.
- 2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:
  - a. The effectiveness of the test/inspection procedures in measuring item performance
  - b. The success or failure of the item to meet required test/inspection objectives
  - c. The need for repeat, additional, or alternative tests/inspections
  - d. The need for item redesign or further development
  - e. The need for improved test/inspection procedures, techniques, or facilities
  - f. The adequacy and completeness of the test/inspection requirements
- 2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:
  - a. Acceptability of the item tested/inspected (pass or fail)
  - b. Additional testing/inspection required
  - c. Redesign required
  - d. Problem resolution
  - e. Test/inspection procedure or facility improvements
  - f. Disposition of items tested/inspected
  - g. Documentation changes required
  - h. Testing/inspection improvements
- 2.7 Authentication. The following certifications shall be included, as applicable:
  - 2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any Government witnesses.
  - 2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior to test/inspection, analytical verification, equivalent item, etc.). The authentication shall include the

signature of a contractor representative authorized to make such authentication and any Government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any Government witness.

2.8 Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the Government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

3 End of DI-NDTI-80809B



## DATA ITEM DESCRIPTION

**Title: Test/Inspection Report**

**Number: DI-NDTI-80809B**

**AMSC Number: N/A**

**DTIC Applicable: N/A**

**Office of Primary Responsibility: F/AFMC-DOP**

**Applicable Forms: N/A**

**Distribution Statement A: Approved for public release. Distribution is unlimited.**

**Approval date: 970124**

**Limitation: N/A**

**GIDEP Applicable: N/A**

**Description/Purpose:** The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the Government or Contracting Agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

**Application/interrelationship:** This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing.

This DID supersedes DI-NDTI-80809A and DI-MISC-80653.

### Requirements:

- 1 Format. Contractor format is acceptable. Organize the information required by paragraph 2 and its subparagraphs in a manner that facilitates presentation and understanding.
- 2 Content. The test/inspection report shall contain the following information, as applicable.
  - 2.1 The following information shall appear on the outside front cover and title page:
    - a. Report date
    - b. Report number (contractor or Government)
    - c. Contractor's name, address, and commercial and Government code
    - d. Contract number and contract line item number or sequence number (if applicable)
    - e. Type of test/inspection (for example, first article acceptance test, quality performance inspection, developmental test, qualification test, environmental test)
    - f. Identification of item tested/inspected
    - g. Date or period of test/inspection
    - h. Name and address of requiring Government activity
    - i. Security classification, downgrading and declassifying information, if applicable
  - 2.2 Table of Contents. The table of contents shall identify the following:
    - a. The title and starting page of each major section, paragraph, and appendix of report
    - b. The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, drawing, etc.)
  - 2.3 Introduction. The introduction shall include the following information:
    - 2.3.1 Test/inspection objective(s). The specific test/inspection objective(s) as specified in the contract tasking document.
    - 2.3.2 Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

- a. Nomenclature
- b. National stock number
- c. Model number, part number, and serial number
- d. Type of item (for example; prototype, production item, laboratory model)
- e. Serial or lot number
- f. Applicable engineering changes
- g. Production item specification, if applicable
- h. Date of manufacture

2.3.3 Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

- a. Required test/inspection parameters
- b. Performance requirements, acceptance or compliance limits, and environmental criteria

2.4 Summary. Complete test/inspection report summary including the following:

- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in the report
- b. Proposed corrective actions and schedules for failures or problems encountered
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data

2.5 Referenced documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

- a. Prior test/inspection reports on the same item
- b. Test/inspection plans and procedure documents
- c. Prior certifications of compliance
- d. Contractor's file designation where test/inspection records are maintained
- e. Input parameters used

Note: The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2.6 Body of report. The body of the test/inspection report shall be as follows:

2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

- a. Nomenclature
- b. Model number
- c. Serial number
- d. Manufacture
- e. Calibration status
- f. Accuracy data
- g. Comments, if applicable

2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

- a. Location or orientation of the item
- b. Location, orientation, or settings of test equipment and instrumentation
- c. Location, orientation, or settings of sensors and probes
- d. Location or orientation of interconnections, cables, and hoop-ups
- e. Electrical power, pneumatic, fluidic, and hydraulic requirements

Drawings, illustrations, and photographs may be used for clarification

- 2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:
  - a. Item selection and inspection that verified suitability for test/inspection
  - b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control condition imposed
- 2.6.4 Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:
  - 2.6.4.1 Recorded data. The actual recorded data (for example, log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, it shall be provided in an appendix.
  - 2.6.4.2 Test/inspection results. Identification of all test/inspection results to include the following:
    - a. Matrices comparing results achieved against test/inspection objectives or requirements
    - b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspection
    - c. Calculation examples
    - d. Discussion of any anomalies, deviations, discrepancies, or failures including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.
- 2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:
  - a. The effectiveness of the test/inspection procedures in measuring item performance
  - b. The success or failure of the item to meet required test/inspection objectives
  - c. The need for repeat, additional, or alternative tests/inspections
  - d. The need for item redesign or further development
  - e. The need for improved test/inspection procedures, techniques, or facilities
  - f. The adequacy and completeness of the test/inspection requirements
- 2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:
  - a. Acceptability of the item tested/inspected (pass or fail)
  - b. Additional testing/inspection required
  - c. Redesign required
  - d. Problem resolution
  - e. Test/inspection procedure or facility improvements
  - f. Disposition of items tested/inspected
  - g. Documentation changes required
  - h. Testing/inspection improvements
- 2.7 Authentication. The following certifications shall be included, as applicable:
  - 2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any Government witnesses.
  - 2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior to test/inspection, analytical verification, equivalent item, etc.). The authentication shall include the

signature of a contractor representative authorized to make such authentication and any Government witness.

2.7.3 Authentication of acceptability. A statement that the item tested/inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any Government witness.

2.8 Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the Government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

3 End of DI-NDTI-80809B

**CONTRACT DATA REQUIREMENTS LIST**

*(1 Data Item)*

**Form Approved  
OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Please DO NOT RETURN your form to either of these address. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. Listed in Block E.

|  |   |   |   |   |               |         |      |
|--|---|---|---|---|---------------|---------|------|
| A. CONTRACT LINE ITEM NO.<br><b>0004AD</b>   |   | B. EXHIBIT<br><b>A</b>                                    |   | C. CATEGORY<br>TDP _____ TM _____ OTHER <b>X (MISC)</b> |               |         |      |
| D. SYSTEM/ITEM<br><b>Disposal Containers</b>   |   |   | E. CONTRACT/PR NO.                                  |   | F. CONTRACTOR |         |      |
| 1. DATA ITEM NO.<br><b>H01</b>   | 2. TITLE OF DATA ITEM<br><b>Certification/Data Report</b> |   |   | 3. SUBTITLE<br><b>Certification of Compliance</b>       |               |         |      |
| 4. AUTHORITY (Data Acquisition Document No.)<br><b>DI-MISC-80678</b>   |   | 5. CONTRACT REFERENCE<br><b>2301-3291 Rev J Para 20.C</b> |   | 6. REQUIRING OFFICE<br><b>PSNS &amp; IMF C/300N.4</b>   |               |         |      |
| 7. DD 250 REQ<br><b>XX</b>   | 9. DIST STATEMENT REQUIRED<br><b>N/R</b>                  | 10. FREQUENCY<br><b>OTIME</b>                             | 12. DATE OF FIRST SUBMISSION<br><b>SEE BLOCK 16</b> | 14. DISTRIBUTION<br><b>See Block 16</b>                 |               |         |      |
| 8. APP CODE<br><b>N/A</b>  |   | 11. AS OF DATE<br><b>N/A</b>                              | 13. DATE OF SUBSEQUENT SUBMISSION<br><b>N/A</b>     | A. ADDRESSEE  | b. COPIES     |         |      |
|  |   |   |   |   | Draft         | Final   |      |
|  |   |   |   |   |               | Reg     | Repr |
| 16. REMARKS<br><br><b>Required COC Documentation per DWG 2301-3291 Rev. J:</b><br><br><b>A) Product Certification of Compliance per PARA 20.C</b><br><br>BLOCK 3: THE CERTIFICATION OF COMPLIANCE TO SPECIFICATION REQUIREMENTS STATEMENT SHALL BE IN THE CONTRACTOR'S FORMAT.<br><br>BLOCK 12: THE CONTRACTOR SHALL PROVIDE THE CERTIFICATION OF COMPLIANCE TO CONTRACT SPECIFICATION REQUIREMENTS TEN (10) DAYS AFTER FINAL ACCEPTANCE.<br><br>BLOCK 14: THE CONTRACTOR SHALL PROVIDE ONE COPY OF THE CERTIFICATION OF COMPLIANCE TO CONTRACT SPECIFICATION REQUIREMENTS STATEMENT IN ELECTRONIC UNPROTECTED SEARCHABLE PDF FORMAT TO THE FOLLOWING GOVERNMENT TECHNICAL POINT OF CONTACT: |   |   |   | PSNS C/300N.4   | 0             | 1       | 0    |
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| G. PREPARED BY<br><b>Rich Balter</b>   |   | H. DATE<br><b>14 SEPT 2016</b>                            |   | I. APPROVED BY  |               | J. DATE |      |

17. PRICE GROU  
  
18. ESTIMATED TOTAL PRIC

## DATA ITEM DESCRIPTION

**Title:** Certification/Data Report

**Number:** DI-MISC-80678

**AMSC Number:** N4533

**DTIC Applicable:** N/A

**Office of Primary Responsibility:** N/SEA 55Z3

**Applicable Forms:** N/A

**Approval Date:** 880912

**Limitation:** N/A

**GIDEP Applicable:** N/A

- 1 **Use/relationship:** Certification data is required to verify that specific qualifications have been obtained, tests have been performed, parts/assemblies/equipment/systems have been installed, tested, inspected and are ready for operation; that personnel have specific qualifications to perform assignments/operations/inspections; or to certify identity, interchangeability, compatibility, reliability, or completeness of documentation being prepared or reviewed by a contractor. The technical effort involved shall be the result of equipment/procurement specification requirements.
  - 1.1 Certification may be required for a single event/operation, or may be required for a specified time period, or certification may be required on a continuing basis with periodic re-certification or updating of the original certification.
  - 1.2 The technical content requirements for this item shall be specified in the contract.

This DID supersedes UDI-A-23264B.

## 2 Requirements:

- 2.1 **Format.** The report shall be typewritten in narrative format on the contractor's form.
- 2.2 **Content.** The report shall contain the contract number and data item sequence number, and shall contain a statement that specifically identifies the purpose and applicability of this certification.
- 2.3 **Certification of completion.** Certification that tests have been performed, inspections made, parts/assemblies/equipment/systems have been installed, tested, inspected, and area ready for operation, or that specific qualifications have been obtained shall provide objective evidence in support of the certification. Objective evidence may include such items as spectrographs, radiographs, material sampling, analysis, inspection and testing reports, or any other necessary documentation.
- 2.4 **Certification of personnel.** Certifications that personnel have specific qualifications shall be supported by licenses, permits, tests, statements of competency, or other documentation. The specific capabilities to perform an assignment, inspection, or other operations shall be stated in the certification.
- 2.5 **Certification of data reviews.** Certifications that documentation/data has been reviewed shall contain a statement of the "depth" of the examination and the results thereof. If the documentation being reviewed cannot be certified, the report shall so state and shall list the reasons, i.e., deficiencies, conflicting data, etc.
- 2.6 **Certification of compliance.** Certification of compliance to specific specification requirements shall be a statement to the effect that the contractor has complied.

**3 Technical content:**

- 3.1 The technical content shall be as specified on the DD Form 1423, Contract Date Requirements List.
- 3.2 Supplemental information. Additional specific material, drawings, sketches, photographs, etc., in support of these certifications shall be as defined in the DD Form 1423.
- 3.3 Signature. The certification report shall be signed by the contractor's authorized representative responsible for insuring that the equipment being delivered/service being performed is in accordance with contract requirements.

**4 End of DI-MISC-80678**

### General Notes

- This drawing provides a torque-based proof test procedure for UNC-2B Safety Hoist Ring (SHR) threaded lift holes and NDT procedure for welded lifting attachments.
- Torque-Based Proof Test Procedure For Threaded Lift Holes.** (This applies to a lift point which has no attachment welds, such as that shown in Figures 2B and 4B)
 

The test applies to the Safety Hoist Rings listed in Table 3B only, and is valid only for lift holes of sufficient thread depth (Table 3B) in base material, the material yield stress of which is greater than or equal to 30,000 psi. The test bolt, nut and washer that comprise the test apparatus must comply with the specifications of Table 3A and with the dimensions of Table 3B for the hole being tested. Certificate of Compliance is required for all test hardware. Before each test, inspect the threads of the bolt and the nut to ensure they are free of lubrication, dirt and debris. Clean as necessary. Inspect threads for signs of distortion or wear. If distortion or wear is detected on any one of the three components of the test apparatus (bolt, nut or washer), obtain a new test bolt, nut and washer for the test.

- Thread the nut onto the cap screw until the leading surface of the nut is at the required length of thread engagement as listed in Table 3B. The tolerance on thread engagement is  $-^{+1/16}$  inch, with a minimum tolerance of  $1/32$  in. (See Figure 2B).
- Apply fresh Molykote™ P37 (or equivalent) lubricant to the threads above and starting at the leading surface of the nut (See Figure 2B). Thread the nut fully onto the lubricated threads of the bolt and apply lubricant to the trailing surface of the nut. Do not lubricate the threaded hole.
- Inspect the lift hole threads for lubrication, dirt and debris. Clean as necessary. Install the proof test assembly (cap screw, nut and washer) into the tapped hole to the required depth of engagement listed in Table 3B.
 

Re-check the torque on nut.
- While restraining the cap screw, torque the nut to the torque listed in Table 3B (the tolerance is  $\pm 5\%$ ).
- After ten minutes, remove the proof test assembly. In this arrangement, only the portion of the threads on the cap screw that engage the nut is lubricated. The cap screw threads that engage the tapped hole of the component are not lubricated. Remove lubricant (1x visual confirmation of removal required) from the tapped hole surfaces at the completion of proof testing.
- Perform a visual 1x inspection of the accessible area for damage or deformation. Inspect internal threads for residual lubrication, dirt and debris. Clean as necessary. Inspect threads for signs of damage or deformation. Perform a 2B Go/No-Go gauge check of the lift hole. The No-Go acceptance criterion is that the No-Go gauge does not enter the material more than three complete turns. The threads shall pass a go/no-go gauge check and show no signs of cracks, permanent distortion or other damage.

**Table 3B**

See Table 3A for test apparatus specifications

| SHR & test thread size / SHR rated load (Lbs) | Minimum bolt length* General Note 2 | Thread Engagement Steps A & C | Test torque Step D           |
|---|-------------------------------------|-------------------------------|------------------------------|
| 5/16-18 UNC / 800 lbs.                        | 1.5 in.                             | 0.54 $^{+0.09}/_{-0.03}$ in.  | 84 $^{+4}/_{-0}$ ft.-lbs.    |
| 3/8-16 UNC / 1,000 lbs.                       | 1.5 in.                             | 0.54 $^{+0.09}/_{-0.03}$ in.  | 12 $^{-1}/_{+0}$ ft.-lbs.    |
| 1/2-13 UNC / 2,500 lbs.                       | 2 in.                               | 0.78 $^{+0.09}/_{-0.04}$ in.  | 28 $^{+1}/_{-0}$ ft.-lbs.    |
| 5/8-11 UNC / 4,000 lbs.                       | 2.25 in.                            | 0.78 $^{+0.09}/_{-0.04}$ in.  | 60 $^{+3}/_{-0}$ ft.-lbs.    |
| 3/4-10 UNC / 7,000 lbs.                       | 2.5 in.                             | 1.03 $^{+0.09}/_{-0.05}$ in.  | 100 $^{+5}/_{-0}$ ft.-lbs.   |
| 1-8 UNC / 10,000 lbs.                         | 3.25 in.                            | 1.29 $^{+0.09}/_{-0.07}$ in.  | 250 $^{+12}/_{-0}$ ft.-lbs.  |
| 1 1/4-7 UNC / 15,000 lbs.                     | 3.75 in.                            | 1.89 $^{+0.09}/_{-0.10}$ in.  | 470 $^{+24}/_{-0}$ ft.-lbs.  |
| 1 1/2-6 UNC / 24,000 lbs.                     | 4.5 in.                             | 2.70 $^{+0.09}/_{-0.14}$ in.  | 800 $^{+40}/_{-0}$ ft.-lbs.  |
| 2-1/2 UNC / 30,000 lbs.                       | 5.75 in.                            | 2.96 $^{+0.09}/_{-0.15}$ in.  | 1200 $^{+60}/_{-0}$ ft.-lbs. |

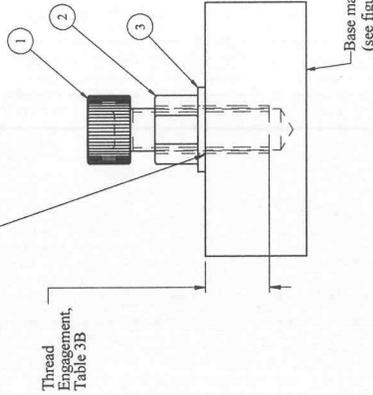
\* Note: Bolt length does not include thickness of the head.

**Table 3A**

Test hardware specification. See General Note 2

| Pc Qty | Name        | Description                             | Specification             |
|--------|-------------|---|---------------------------|
| 1      | Test bolt   | Socket Head Cap Screw, UNC-2A or UNC-3A | ASTM A574, ANSI B18.3     |
| 2      | Test nut    | Heavy Hex nut, UNC-2B                   | ASTM A 194/A Grade 2H     |
| 3      | Test washer | Hardened washer                         | ASTM F436 Type 1 circular |

See Proof Test Procedure, Step B. Lubricate underside of nut. Do not apply lubrication below this point.



**Figure 2B**

Torque-based proof test arrangement (see figure 4B)

### References

- NAVSEA TECHNICAL PUBLICATION T9074-AS-GIB-010271 (TP-271). Requirements For Nondestructive Testing Methods
- MIL-STD-2035, Nondestructive Testing Acceptance Criteria

| DATE      | BY           | DESCRIPTION  | APPROVAL              |
|-----------|--------------|--|-----------------------|
| 10-3-03   | S/J Kineman  | Added requirement for Certificate of Compliance on test hardware in General Note 2; added test apparatus specifications for 5/16-18 Safety Hoist Rings in Table 3B; corrected table reference for Thread Engagement dimension in Figure 2B | S/N Florio 10-3-03    |
| 2-26-04   | S/M Soma     | Added UNC-3A option to the test hardware specification for the Pc-1 bolt in Table 3A. Clarifying footnote added to Table 3B.   | S/N Florio 2-26-04    |
| 10-29-09  | S/J Terrell  | 1. Changed title of DWG and added Sheet 2 to include NDT procedures for welded lifting attachments.<br>2. Reformatted Notes 1 & 2.<br>3. Added References A & B.<br>C/2370.21 Concurrence: S/ G. Holmes 10-29-09                           | S/ J. Byrnes 10-29-09 |
| 2-17-2011 | S/ J Terrell | 1. Changed General Note 4 to include aluminum.<br>C/2370.21 Concurrence: S/ G. Holmes 3-7-2011   | S/ J. Byrnes 3-9-2011 |

DISTRIBUTION STATEMENT: N/A

| SIGNATURE    |  | DATE     |
|--------------|--|----------|
| S/ J. Byrnes |  | 10-29-09 |

ADC Review

CAD INFORMATION  
SHEETS OF THIS DRAWING WERE COMPAIRED USING SOLID EDGE OR SMARTBLEND. REVISIONS TO THESE SHEETS SHOULD BE MADE ON THE WINDOWS IN CAD SERVER.  
File name: DWG 2301-3411 Rev D.dft  
This drawing was last worked on: 01/20/2011

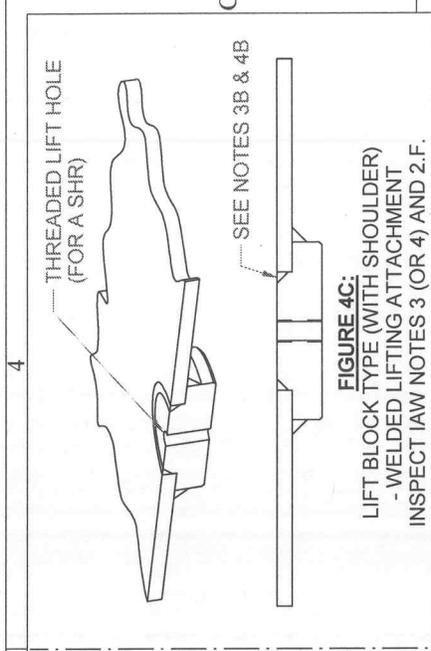
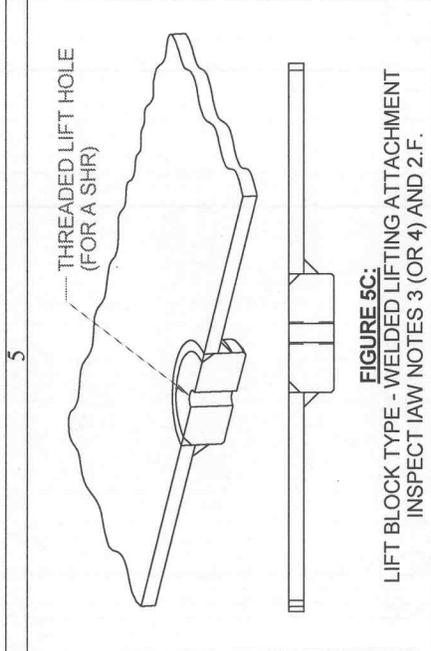
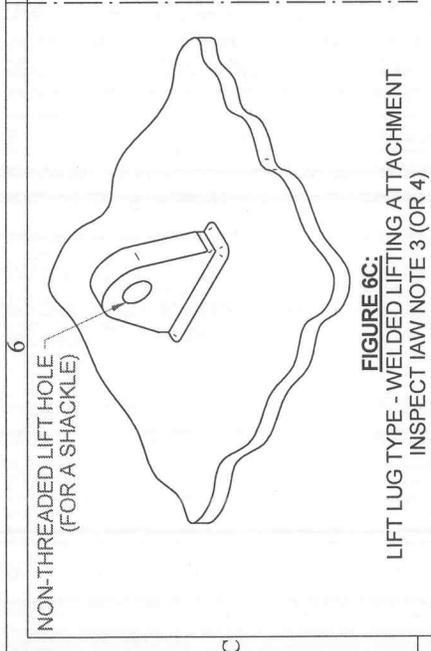
CONTRACT NUMBER

| CODE     | 2370.21 |
|----------|---------|
| REVISION |         |
| DATE     | 9-17-03 |
| DATE     |         |
| DATE     |         |
| DATE     |         |

NO DEVIATIONS SHALL BE MADE

| APPROVAL         |                         | PROJECT BRAND/NAVAL SHEPPARD                         |  |
|------------------|-------------------------|--|--|
| SIGNATURE & DATE | S/ N. Florio 9-17-03    | SIGNATURE & DATE                                     |  |
| DESIGNER         | S/ M. Soma              | UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES |  |
| CHECKER          | S/ J. Kineman           | TOLERANCES   |  |
| ISSUED BY        | S/ J. Kineman & J. Soma | See General Notes                                    |  |
| ISSUED DATE      | 8/14/03                 | TITLE  | Torque-based Proof Test for Safety Hoist Ring Lift Holes and NDT for Lifting Attachments |
| SCALE AS DRAWING |                         | SCALE AS DRAWING                                     |  |
| PROJECT NUMBER   | 2301-3411               | REV  | D  |

Sheet 1 of 2



**General Notes** (continued from Sheet 1)

3. **NDT Requirements For Carbon Steel Welded Lifting Attachments, inspect per the following:**

A. Prior to and after the load test, perform a visual inspection of the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block. Ensure no apparent deformation, cracks, or other apparent damage of these load bearing parts.

B. Prior to and after the load test, the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block shall be Magnetic Particle (MT) inspected per NAVSEA Publication T9074-AS-GIB-010/271 (Reference A). Use the acceptance criteria of MIL-STD-2035 (Reference B), Class 3 for Welds and Forgings/Wrought Material for Base Metal. This inspection shall include the inside of the non-threaded lift lug hole, as shown in Figure 6C. NDT of threaded safety hoist ring (SHR) holes shall be performed IAW General Note 2.F of this drawing. For a lift block with a shoulder feature such as shown in Figure 4C, the bevel weld at the top surface is not considered load-bearing and will not require NDT.

C. Load test requirements shall be IAW parent manufacture drawing.

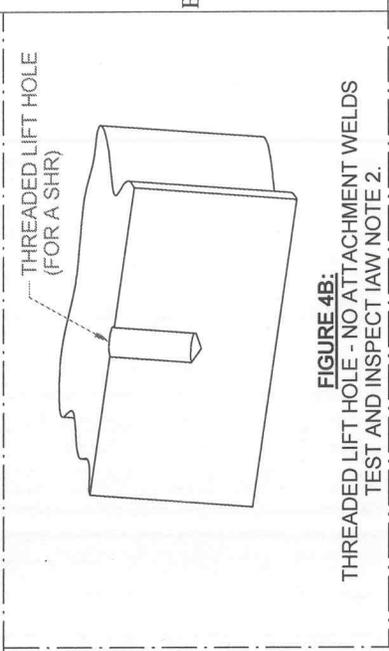
**General Notes** (continued from Sheet 1)

4. **NDT Requirements For Stainless Steel (or Aluminum) Welded Lifting Attachments, inspect per the following:**

A. Prior to and after the load test, perform a visual inspection of the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block. Ensure no apparent deformation, cracks, or other apparent damage of these load bearing parts.

B. Prior to and after the load test, the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block shall be Liquid Penetrant (PT) inspected per NAVSEA Publication T9074-AS-GIB-010/271 (Reference A). Use the acceptance criteria of MIL-STD-2035 (Reference B), Class 3 for Welds and Forgings/Wrought Material for Base Metal. This inspection shall include the inside of the non-threaded lift lug hole, as shown in Figure 6C. NDT of threaded safety hoist ring (SHR) holes shall be performed IAW General Note 2.F of this drawing. For a lift block with a shoulder feature such as shown in Figure 4C, the bevel weld at the top surface is not considered load-bearing and will not require NDT.

C. Load test requirements shall be IAW parent manufacture drawing.



6

4. **NDT Requirements For Stainless Steel (or Aluminum) Welded Lifting Attachments, inspect per the following:**

A. Prior to and after the load test, perform a visual inspection of the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block. Ensure no apparent deformation, cracks, or other apparent damage of these load bearing parts.

B. Prior to and after the load test, the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block shall be Liquid Penetrant (PT) inspected per NAVSEA Publication T9074-AS-GIB-010/271 (Reference A). Use the acceptance criteria of MIL-STD-2035 (Reference B), Class 3 for Welds and Forgings/Wrought Material for Base Metal. This inspection shall include the inside of the non-threaded lift lug hole, as shown in Figure 6C. NDT of threaded safety hoist ring (SHR) holes shall be performed IAW General Note 2.F of this drawing. For a lift block with a shoulder feature such as shown in Figure 4C, the bevel weld at the top surface is not considered load-bearing and will not require NDT.

C. Load test requirements shall be IAW parent manufacture drawing.

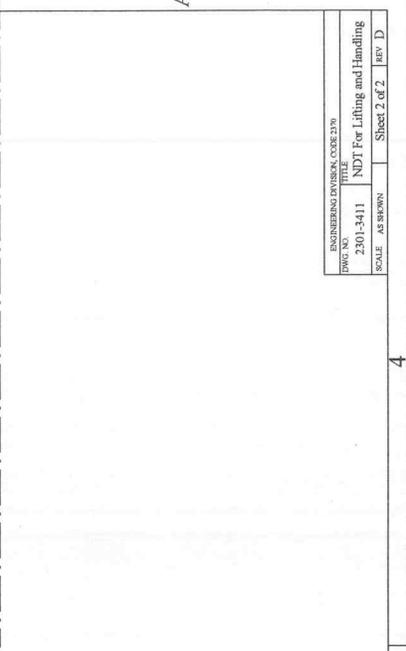
5

4. **NDT Requirements For Stainless Steel (or Aluminum) Welded Lifting Attachments, inspect per the following:**

A. Prior to and after the load test, perform a visual inspection of the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block. Ensure no apparent deformation, cracks, or other apparent damage of these load bearing parts.

B. Prior to and after the load test, the attachment welds of each lift lug/block as well as the accessible base metal of each lift lug/block shall be Liquid Penetrant (PT) inspected per NAVSEA Publication T9074-AS-GIB-010/271 (Reference A). Use the acceptance criteria of MIL-STD-2035 (Reference B), Class 3 for Welds and Forgings/Wrought Material for Base Metal. This inspection shall include the inside of the non-threaded lift lug hole, as shown in Figure 6C. NDT of threaded safety hoist ring (SHR) holes shall be performed IAW General Note 2.F of this drawing. For a lift block with a shoulder feature such as shown in Figure 4C, the bevel weld at the top surface is not considered load-bearing and will not require NDT.

C. Load test requirements shall be IAW parent manufacture drawing.



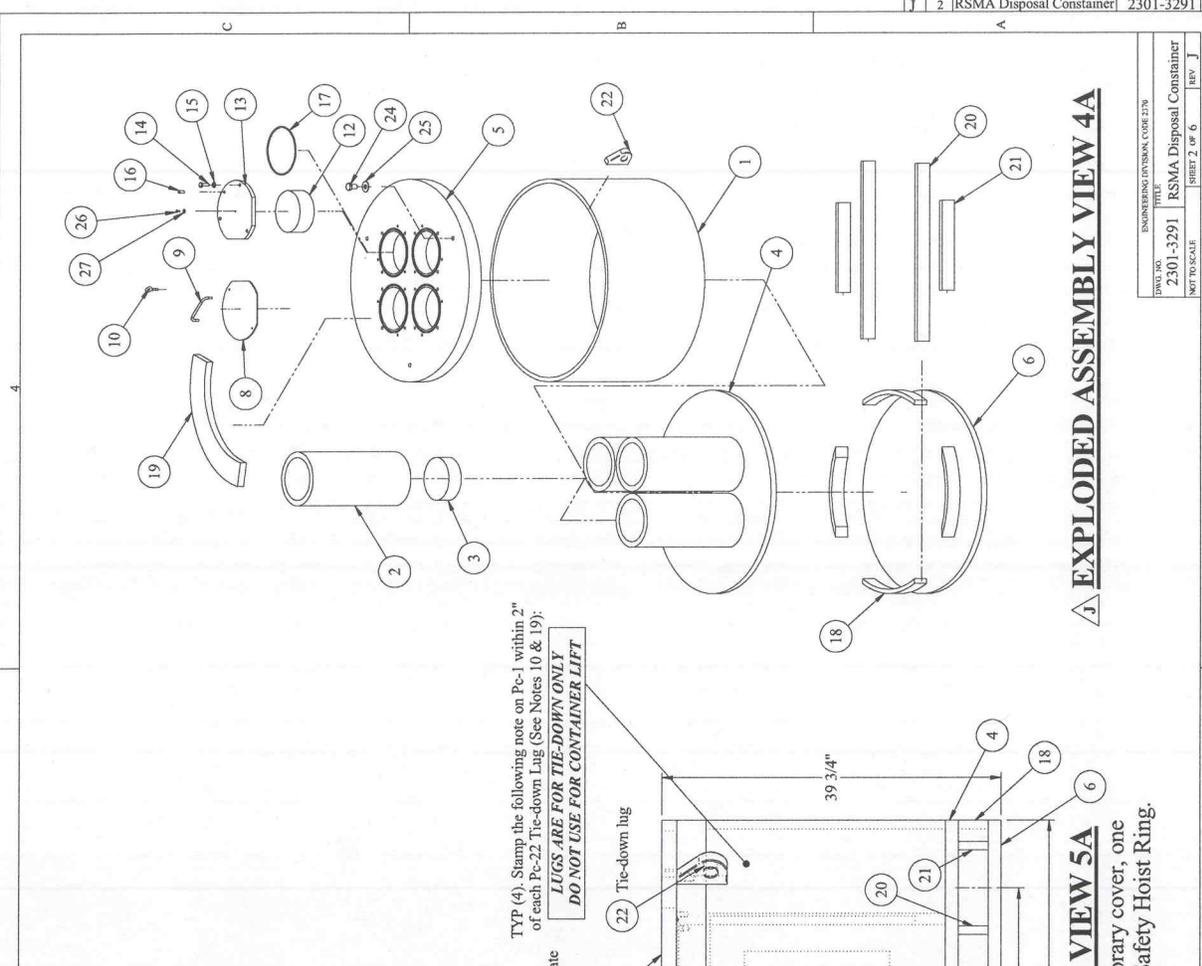
|                                  |                              |          |              |        |
|----------------------------------|------------------------------|----------|--------------|--------|
| ENGINEERING DRAWING - CHECKED BY | SCALE                        | AS SHOWN | SHEET 2 OF 2 | REV. D |
| DWG. NO. 2301-3411               |                              |          |              |        |
| TITLE                            | NDT For Lifting and Handling |          |              |        |



**List of Materials**

| Pc. | Qty | Name                  | Description   | Specification   | Material    |
|-----|-----|-----------------------|---|---|-------------|
| 1   | 1   | Shell                 | Pipe 48" OD x 1" wall x 26' L                               | Seamless or welded ASTM A53, A500 or A106 Grade B, or milled & welded A516 plate (See General Notes 6G & 9) | OS or HS    |
| 2   | 4   | Center pipe           | Pipe SCH-160 (1.312" wall) x 26" Long                       | ASTM A53, A500 or A106 Grade B (See General Note 9)   | OS          |
| 3   | 3   | Base plug             | Plate 142.8008 x 10.312" Diameter                           | ASTM A36 or better  | OS or HS    |
| 4   | 1   | Base plate            | Plate 61.228 x 48" Diameter                                 | ASTM A36 or better  | OS or HS    |
| 5   | 1   | Top plate             | Plate 142.8008 x 48" Diameter Plus View 7B                  | ASTM A36 or better  | OS or HS    |
| 6   | 1   | Foot plate            | Plate 61.2208 x 48" Diameter                                | ASTM A36 or better  | OS or HS    |
| 7   | 4   | Cover insert          | Deleted by Rev. J   |   |             |
| 8   | 4   | Cover flange          | Plate 10.208 x 14.312" Diameter View 10B                    | ASTM A36 or better  | OS or HS    |
| 9   | 4   | Handle                | Stack round bar, 1/2" x LAR, View 11A                       | Federal 42314 or equivalent   | OS          |
| 10  | 8   | Eye-bolt              | 1/2-14 UNC x 1-1/2" Shoulder Eye Bolt, modified (View 10A)  | Deleted by Rev. J   |             |
| 11  | 4   | Cover alignment pin   | Plate 163.2008 x 9.787" Diameter                            | ASTM A36 or better  | OS or HS    |
| 12  | 4   | Finish plug           | Plate 40.8008 x 14.312" Diameter                            | ASTM A36 or better  | OS or HS    |
| 13  | 4   | Finish flange         | Hex both 5.8 x 11 UNC x 2"                                  | ASTM A325   | OS          |
| 14  | 12  | Washer                | Washer 5/8"   | ASTM F436   | OS          |
| 15  | 12  | Washer                | Dashed 5/8" x 1.318" Length Min.                            |   |             |
| 16  | 4   | Finish alignment pin  | O ring AS-506-431 1 1/2" ID Nominal x 1/4" CS Nominal       | Seamless or welded ASTM A53, A500 or A106 Grade B, or milled & welded A516 plate (See General Notes 6G & 9) | Viton<br>OS |
| 17  | 4   | O ring                | O ring AS-506-431 1 1/2" ID Nominal x 1/4" CS Nominal       |   |             |
| 18  | 1   | Forklift assembly     | Pipe 48" Diameter x 1" wall x 3.5" Long modified (View 14B) |   |             |
| 19  | 3   | Stack plate           | Plate 71.48 x 12" Wide x 36" Long View 13A                  | ASTM A36 or better  | OS or HS    |
| 20  | 2   | Forklift channel wall | Bar 40.8008 x 3.5" Wide x 42-1/8" Long                      | ASTM A36 or better  | OS or HS    |
| 21  | 2   | Forklift channel wall | Bar 40.8008 x 3.5" Wide x 21-5/8" Long                      | ASTM A36 or better  | OS or HS    |
| 22  | 4   | Tie-down lug          | Plate 61.228 x 4" Wide x 6" Long View 13C                   | ASTM A36 or better  | OS or HS    |
| 23  | 4   | Plug-bolt             | Hex cap screw 1/4 UNC x 1-3/4" plain                        | ANSI B18.2.2.1  | OS          |
| 24  | 3   | Washer                | Washer 1" regular plain                                     | ASME B18.2.1, Federal No. 12051 or equivalent   | OS          |
| 25  | 4   | Plug screw            | Hex cap screw 5/16" x 18 UNC x 3/4" Grade 5 plain           | ANSI B18.2.2.1  | OS          |
| 26  | 4   | Washer                | Washer 5/16" regular plain                                  |   | OS          |
| 27  | 4   | Washer                |   |   | OS          |

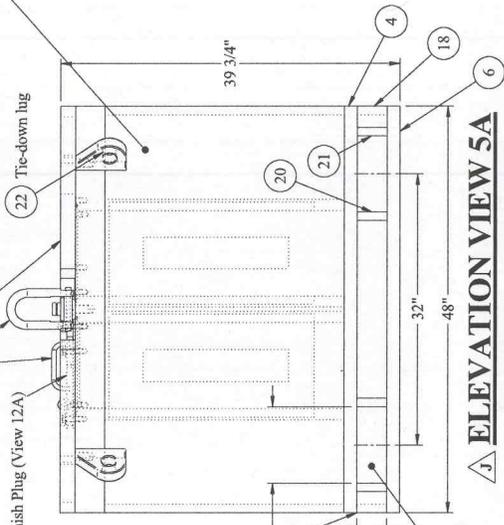
Note: Pc- 23 was never created and is not in use.



TYP (4). Stamp the following note on Pc-1 within 2" of each Pc-22 Tie-down Lug (See Notes 10 & 19):

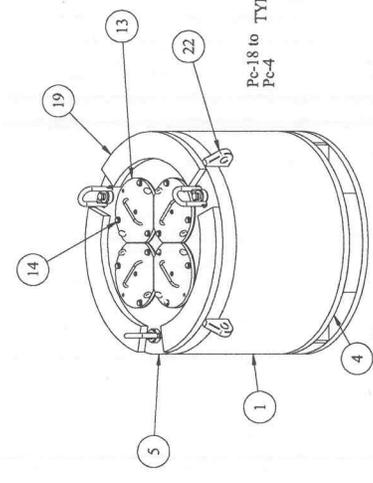
**LUGS ARE FOR TIE-DOWN ONLY  
DO NOT USE FOR CONTAINER LIFT**

Safety Hoist Ring (See Note 13) Temporary Cover (View 11A) Finish Plug (View 12A)



**ELEVATION VIEW 5A**

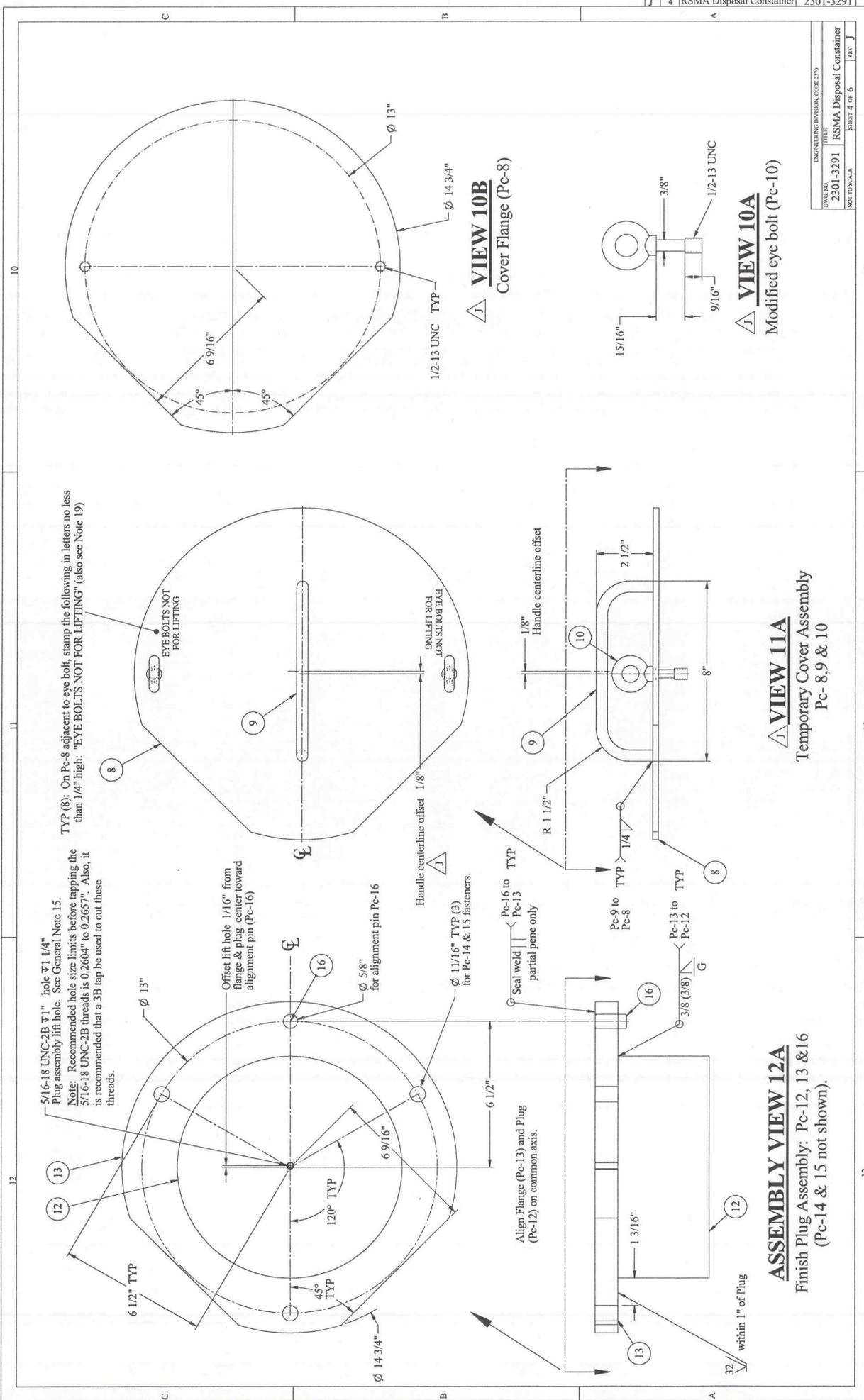
Showing one Temporary cover, one Finish plug, and one Safety Hoist Ring.



**ISOMETRIC ASSEMBLY VIEW 6A**

With Lift Rings and Finish Plug Assemblies (View 12A) installed.





TYP (8): On Pc-8 adjacent to eye bolt, stamp the following in letters no less than 1/4" high: "EYE BOLTS NOT FOR LIFTING" (also see Note 19)

5/16-18 UNC-2B  $\nabla$ 1" hole  $\nabla$ 1 1/4" Plug assembly lift hole. See General Note 15.  
 Note: Recommended hole size limits before tapping the 5/16-18 UNC-2B threads is 0.2604" to 0.2657". Also, it is recommended that a 3B tap be used to cut these threads.

Offset lift hole 1/16" from flange & plug center toward alignment pin (Pc-16)  
 $\phi$  5/8" for alignment pin Pc-16  
 $\phi$  11/16" TYP (3) for Pc-14 & 15 fasteners.  
 Handle centerline offset 1/8"

Seal weld Pc-16 to TYP partial pene only  
 Pc-9 to Pc-8 TYP  $\nabla$ 1/4" R 1 1/2"  
 Pc-13 to TYP Pc-12 TYP

Align Flange (Pc-13) and Plug (Pc-12) on common axis.

$\nabla$ 32 within 1" of Plug

**VIEW 10B**  
Cover Flange (Pc-8)

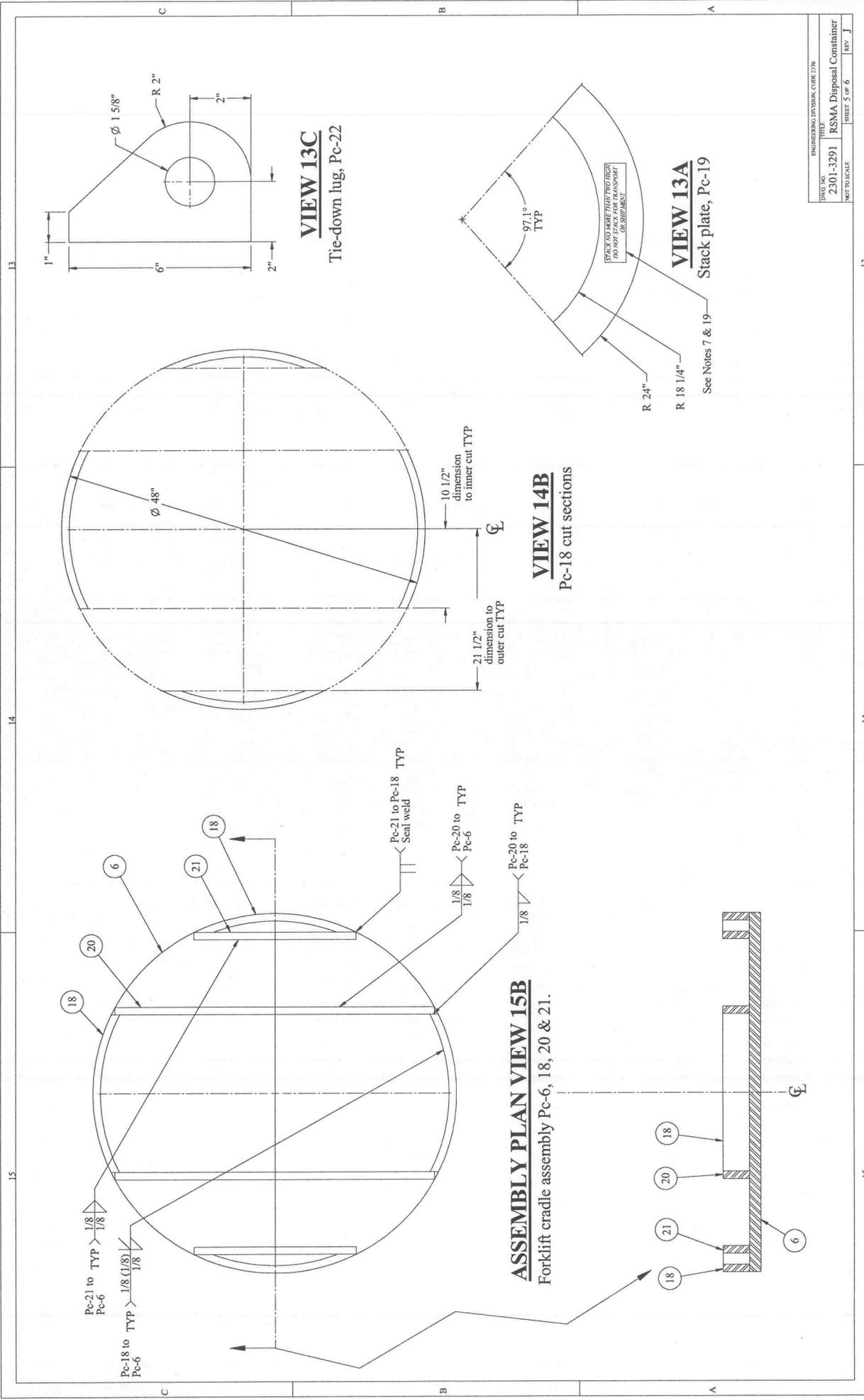
**VIEW 10A**  
Modified eye bolt (Pc-10)

**VIEW 11A**  
Temporary Cover Assembly  
Pc-8, 9 & 10

**ASSEMBLY VIEW 12A**  
Finish Plug Assembly: Pc-12, 13 & 16  
(Pc-14 & 15 not shown).

|                                |                         |
|--------------------------------|-------------------------|
| ENGINEERING DIVISION, CODE 270 | REV J                   |
| DWG NO. 2301-3291              | RSMA Disposal Container |
| TITLE SHEET                    | PAGE 4 OF 6             |

|                      |           |              |                         |
|----------------------|-----------|--------------|-------------------------|
| DWG NO               | 2301-3291 | TITLE        | RSMA Disposal Container |
| ENGINEERING DIVISION | COR 230   | DATE         |                         |
| NOT TO SCALE         |           | SHEET 5 OF 6 | REV. J                  |



**VIEW 13C**  
Tie-down lug, Pc-22

**VIEW 13A**  
Stack plate, Pc-19

**VIEW 14B**  
Pc-18 cut sections

**ASSEMBLY PLAN VIEW 15B**  
Forklift cradle assembly Pc-6, 18, 20 & 21.

STACK TO BE MORE THAN TWO FEET HIGH  
DO NOT STOW OR TRANSPORT  
ON SHIPBOARD

See Notes 7 & 19

13

14

15

13

14

15

16

17

18

**(General Notes continued from Sheet 1)**

19. **LABEL PLATE REQUIREMENTS (CONTRACTOR OPTION):**  
 AT THE OPTION OF THE CONTRACTOR, LABEL PLATES MAY BE MADE IN LIEU OF STAMPING OF INFORMATION ONTO THE CONTAINER, AS SPECIFIED IN THIS DRAWING (NOTES 2, 7, 10, 14 AND 15). LABEL PLATES MAY BE MADE OF METAL AND ATTACHED TO THE CONTAINER USING 3M DOUBLE-BACKED TAPE OR SPOT-WELDED.
20. **DOCUMENTATION REQUIREMENTS:** PRIOR TO SHIPMENT OF CONTAINERS, SEND ALL REQUIRED DOCUMENTATION AS SPECIFIED PER THIS DRAWING TO PSNS FOR REVIEW. AS A MINIMUM, THE "DOCUMENTATION PACKAGE" SHALL CONTAIN:
- A. THE WEIGHT RECORDS, AS SPECIFIED IN NOTE 12 AND 15.
  - B. THE INSPECTION AND TORQUE-BASED LOAD TEST RECORDS, AS SPECIFIED IN NOTES 13 AND 15.
  - C. CERTIFICATE OF COMPLIANCE:
    - 1) FOR THE TYPE OF CONCRETE INSTALLED AND THAT THE VOLUME WAS FILLED WITH THIS CONCRETE BETWEEN CAVITY PIPES, AS SPECIFIED IN NOTE 11.
    - 2) FOR MEETING THE CLEANLINESS REQUIREMENTS, AS SPECIFIED IN NOTE 18.

| BY DATE | DATE      | DESCRIPTION  | APPROVAL                    |
|---------|-----------|--|-----------------------------|
| J       | 6-9-2015  | 1. P-7 (Cover Insert) & 11 (Cover Alignment Pin) Deleted. List of materials updated accordingly.<br>2. Changed dimension and line colors to black for readability.<br>3. Changed "SCALE AS SHOWN" beneath drawing views to "NOT TO SCALE" in the title box of each sheet.<br>4. Changed line weight and font sizes for consistency.<br>5. Edit note 14 to round up weight when determining SPS capacity. | /S/ J. Byrnes<br>6-10-2015  |
| J       | 6-9-2015  | 1. Updated information in Note 8, C.<br>2. Deleted revision required from Note 8, C.<br>3. Deleted revision required from Note 8, C.<br>4. Added Note 18.<br>5. Removed previous revision symbols for clarity.<br>6. Added Sheet 6 to accommodate continuation of revision block.  | /S/ J. Byrnes<br>10/29/09   |
| H       | 5/23/2011 | 1. Added new Notes 19 & 20, per last contractor's request.<br>2. Removed all MT symbols from DWG, they are not required.<br>3. Added to Note 8A to not paint the inside of the cavity pipes (from 1/2" to 3/4" to prevent previous problems).<br>4. Fixed and dimensioned B.C. of PC-13 of View 12A.   | /S/ J. Terrell<br>5/23/2011 |
| G       | 10/29/09  | 1. Changed Ref "B" from PSNS WP 689 to AWS A2.4.<br>2. Updated paint information in Note 8, C.<br>3. Deleted revision required from Note 8, C.<br>4. Deleted revision required from Note 8, C.<br>5. Added Note 18.<br>6. Removed previous revision symbols for clarity.   | /S/ J. Terrell<br>10/29/09  |

|                           |           |       |                          |
|---------------------------|-----------|-------|--------------------------|
| DWG NO                    | 2301-3291 | TITLE | RSMA Disposal Constainer |
| ENGINEERING DIVISION CODE | 17W       | SHEET | 6 OF 6                   |
| NOT TO SCALE              |           | REV   | J                        |