

## ADDENDUM TO THE CONTRACT DOCUMENTS

|   |  |
|---|--|
| <br><b>SOLANO</b><br>COMMUNITY COLLEGE | ADDENDUM NO. 002   |
|   | Project:<br>Solano Community College District<br>Early College High School Portables Project<br>Project Number: 20-012.1 |
|   | Date: July 24, 2020  |

**Addendum No. 002 – The following clarifications are provided and must be added/considered when completing your bid:** Acknowledgement of receipt of this **Addendum No. 002**, is required on the Bid Form. Please clearly note the addendum date and number.

### **ITEM NO. 1 – Modifications to the Project Documents**

- 1** Remove and replace DSA Approved Form 103 in its entirety with the attached updated DSA Approved Form 103 with DSA Approval stamp dated 07/21/20.

**List of Attachments:** DSA Form 103, DSA Approval Stamp dated 07/21/20

END OF DOCUMENT

## APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

|   |                            |  |  |  |
|---|----------------------------|--|--|--|
| <b>1. SUBMITTAL TYPE: (Is this a resubmittal? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>)</b>  |                            |  |  |  |
| Deferred Submittal <input type="checkbox"/>   | Addendum Number: <u>02</u> | Revision Number:   | CCD Number:  | Category A <input checked="" type="checkbox"/> or B <input type="checkbox"/> |
| <b>2. PROJECT INFORMATION:</b>  |                            |  |  |  |
| School District/Owner: <u>Solano Community College District</u>   |                            |  | DSA File Number: <u>48 C1</u>  |  |
| Project Name/School: <u>Early College Portables</u>   |                            |  | DSA Application Number <u>02 118411</u>                              |  |
| <b>3. APPLICANT INFORMATION:</b>  |                            |  |  |  |
| Date Submitted: <u>07/14/20</u>   |                            | Attached Pages? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Number of pages? <u>16</u> |  |  |
| Firm Name: <u>HMR Architects</u>  |                            | Contact Name: <u>Scott Pullen</u>  |  |  |
| Work Email: <u>scottp@hmrarchitects.com</u>   |                            | Work Phone: <u>(916) 736-2724</u>  |  |  |
| Firm Address: <u>2130 21st Street</u>   |                            | City: <u>Sacramento</u>  | State: <u>CA</u>   | Zip Code: <u>95818</u>   |
| <b>4. REASON FOR SUBMITTAL: (Check applicable boxes)</b>  |                            |  |  |  |
| <input checked="" type="checkbox"/> For revision or addendum prior to construction.   |                            |  | <input type="checkbox"/> For a project currently under construction. |  |
| <input type="checkbox"/> For a project that has a form DSA 301-N: Notification of Requirement for Certification, DSA 301-P: Posted Notification of Requirement for Certification or a 90-Day Letter issued.   |                            |  |  |  |
| <input type="checkbox"/> To obtain DSA approval of an existing uncertified building or buildings.   |                            |  |  |  |
| <input type="checkbox"/> For Category B CCD this is: <input type="checkbox"/> a voluntary submittal, <input type="checkbox"/> a DSA required submittal (attach DSA notice requiring submission).  |                            |  |  |  |
| <b>5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:</b>  |                            |  |  |  |
| Name of the Design Professional In General Responsible Charge: <u>Scott Pullen</u>  |                            |  |  |  |
| Professional License Number: <u>C24706</u>  |                            |  | Discipline: <u>Architect</u>   |  |
| <b>Design Professional in General Responsible Charge Statement:</b> The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project. <div style="text-align: right; margin-top: 5px;"> <br/> <b>Signature:</b> _____<br/> <small>DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE</small> </div> |                            |  |  |  |
| <b>6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:</b>   |                            |  |  |  |
| For addenda, revisions, or CCDs: CHECK THIS BOX <input checked="" type="checkbox"/> to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form DSA 1: Application for Approval of Plans and Specifications for this project. (For Deferred Submittals, refer to IR A-18: Use of Construction Documents Prepared by Other Professionals, and IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents, when applicable, for signature and seal requirements.)  |                            |  |  |  |
| Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):<br><u>The approved DSA 103 included items that aren't in the project. We've now removed items 7 a, b, c, d; and 19.2 a, b.</u>  |                            |  |  |  |
| List of DSA-approved drawings affected by this post-approval document:<br><u>DSA 103</u>  |                            |  |  |  |

| DSA USE ONLY  |   |          |             |           |   |           |   |                     |              |  |                         |
|---|---|----------|-------------|-----------|---|-----------|---|---------------------|--------------|--|-------------------------|
| SSS <u>David Guerrero</u> Date <u>07/21/2020</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required<br>Comments: _____<br><br>FLS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input checked="" type="checkbox"/> Not Required<br>Comments: _____<br><br>ACS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input checked="" type="checkbox"/> Not Required<br>Comments: _____ | <table border="1" style="width:100%; border-collapse: collapse;"> <tr><th style="text-align: center;">Returned</th></tr> <tr><td>Date: _____</td></tr> <tr><td>By: _____</td></tr> </table> | Returned | Date: _____ | By: _____ | <table border="1" style="width:100%; border-collapse: collapse;"> <tr><th style="text-align: center;">DSA STAMP</th></tr> <tr><td style="text-align: center;">IDENTIFICATION STAMP<br/>DIV. OF THE STATE ARCHITECT</td></tr> <tr><td style="text-align: center;">APP: 02-118411 INC:</td></tr> <tr><td style="text-align: center;">REVIEWED FOR</td></tr> <tr><td style="text-align: center;">SS <input checked="" type="checkbox"/> FLS <input type="checkbox"/> ACS <input type="checkbox"/></td></tr> <tr><td style="text-align: center;">DATE: <u>07/21/2020</u></td></tr> </table> | DSA STAMP | IDENTIFICATION STAMP<br>DIV. OF THE STATE ARCHITECT | APP: 02-118411 INC: | REVIEWED FOR | SS <input checked="" type="checkbox"/> FLS <input type="checkbox"/> ACS <input type="checkbox"/> | DATE: <u>07/21/2020</u> |
| Returned  |   |          |             |           |   |           |   |                     |              |  |                         |
| Date: _____   |   |          |             |           |   |           |   |                     |              |  |                         |
| By: _____   |   |          |             |           |   |           |   |                     |              |  |                         |
| DSA STAMP   |   |          |             |           |   |           |   |                     |              |  |                         |
| IDENTIFICATION STAMP<br>DIV. OF THE STATE ARCHITECT   |   |          |             |           |   |           |   |                     |              |  |                         |
| APP: 02-118411 INC:   |   |          |             |           |   |           |   |                     |              |  |                         |
| REVIEWED FOR  |   |          |             |           |   |           |   |                     |              |  |                         |
| SS <input checked="" type="checkbox"/> FLS <input type="checkbox"/> ACS <input type="checkbox"/>  |   |          |             |           |   |           |   |                     |              |  |                         |
| DATE: <u>07/21/2020</u>   |   |          |             |           |   |           |   |                     |              |  |                         |

# INSTRUCTIONS: FORM DSA 140

## APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

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**PURPOSE:** Form *DSA 140: Application for Submittal of Post-Approval Document* is an application for submittal of the following post-approval documents to DSA for review and approval:

- A. Deferred Submittals
- B. Addenda
- C. Revisions (*NOTE:* Revisions are significant changes to the DSA-approved construction documents or redesign of previously approved items.)
- D. Construction Change Documents (CCDs)

### INSTRUCTIONS FOR EACH SECTION:

1. Identify the type of submitted document (including whether it is a resubmittal or not) and, when applicable, the number and category (e.g., for CCDs, reference *IR A-6: Construction Change Document Submittal and Approval Process*).
2. School District/Owner is the same as line two on form *DSA 1: Application For Approval of Plans and Specifications*. Project Name/School is the same as line one on form DSA 1. DSA file and application numbers are the same as indicated on the DSA identification stamp on the plans and the signature sheet of the specifications.
3. Enter the submittal date, whether additional pages are attached, and how many. Enter the “applicant” (the architect or engineer in general responsible charge identified on line 21 of form DSA 1) contact information including the name and address of the firm where they are employed.
4. Check the applicable boxes based on the nature of the post-approval submittal document and related project information. For projects with a *form DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification*, or 90-day Letter, refer to *PR 13-02: Project Certification Process* for further information and requirements.
5. Enter the following information for the individual identified on line 21 of form DSA 1: name, California professional license number, discipline and signature.
6. For addenda, revisions, or CCDs, check the box to indicate compliance with the statement. Provide a brief description of construction scope for the post-approval document and listing of approved drawings affected by the submitted post-approval documents.

*NOTE:* For addenda and revisions, a summary letter of all changes and affected DSA-approved construction documents shall be provided in addition to the brief descriptions provided in this section.

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC

**Application Number:** 02-118411

**School Name:** Solano Community College

**School District:** Solano Community  
College District

**DSA File Number:** 48-C1

**Increment Number:**

**Date Submitted:** 6/1/2020

## 2019 CBC

**IMPORTANT:** This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2019 CBC).

### KEY TO COLUMNS

| 1. TYPE  | 2. PERFORMED BY  |
|--|--|
| <p><b>Continuous</b> – Indicates that a continuous special inspection is required</p> <p><b>Periodic</b> – Indicates that a periodic special inspection is required</p> <p><b>Test</b> – Indicates that a test is required</p> | <p><b>GE</b> – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.</p> <p><b>LOR</b> – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.</p> <p><b>PI</b> – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.</p> <p><b>SI</b> – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.</p> |

**\*\*NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 02-118411

School Name: Solano Community College

School District: Solano Community  
College District

DSA File Number: 48-C1

Increment Number:

Date Submitted: 6/1/2020

**Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report**

| 1. GENERAL:                         |  | Table 1705A.6 |              |   |
|-------------------------------------|--|---------------|--------------|---|
|                                     | Test or Special Inspection   | Type          | Performed By | Code References and Notes   |
| <input checked="" type="checkbox"/> | <b>a.</b> Verify that: <ul style="list-style-type: none"> <li>• Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.</li> <li>• Foundation excavations are extended to proper depth and have reached proper material.</li> <li>• Materials below footings are adequate to achieve the design bearing capacity.</li> </ul> | See Notes     | PI           | Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report. |

| 2. SOIL COMPACTION AND FILL:        |  | Table 1705A.6 |              |   |
|-------------------------------------|--|---------------|--------------|---|
|                                     | Test or Special Inspection   | Type          | Performed By | Code References and Notes   |
| <input checked="" type="checkbox"/> | <b>a.</b> Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill. | Continuous    | LOR*         | * Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations. |
| <input checked="" type="checkbox"/> | <b>b.</b> Compaction testing.  | Test          | LOR*         | * Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations. |

| 3. DRIVEN DEEP FOUNDATIONS (PILES): |  | Table 1705A.7 |              |  |
|-------------------------------------|--|---------------|--------------|--|
|                                     | Test or Special Inspection   | Type          | Performed By | Code References and Notes  |
| <input type="checkbox"/>            | <b>a.</b> Verify pile materials, sizes and lengths comply with the requirements. | Continuous    | GE*          | * By geotechnical engineer or his or her qualified representative. |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 02-118411

School Name: Solano Community College

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Increment Number:

Date Submitted: 6/1/2020

|                          |  |                   |             |  |
|--------------------------|--|-------------------|-------------|--|
| <input type="checkbox"/> | <b>b.</b> Determine capacities of test piles and conduct additional load tests as required.  | <b>Test</b>       | <b>LOR*</b> | * Under the supervision of the geotechnical engineer.              |
| <input type="checkbox"/> | <b>c.</b> Inspect driving operations and maintain complete and accurate records for each pile.   | <b>Continuous</b> | <b>GE*</b>  | * By geotechnical engineer or his or her qualified representative. |
| <input type="checkbox"/> | <b>d.</b> Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage. | <b>Continuous</b> | <b>GE*</b>  | * By geotechnical engineer or his or her qualified representative. |

|  |  |   |                     |   |
|--|--|---|---------------------|---|
| <b>3. DRIVEN DEEP FOUNDATIONS (PILES):</b> |  | <b>Table 1705A.7</b>                                      |                     |   |
| <b>Test or Special Inspection</b>          |  | <b>Type</b>   | <b>Performed By</b> | <b>Code References and Notes</b>            |
| <input type="checkbox"/>                   | <b>e.</b> Steel piles.   | Provide tests and inspections per STEEL section below.    |                     |   |
| <input type="checkbox"/>                   | <b>f.</b> Concrete piles and concrete filled piles.  | Provide tests and inspections per CONCRETE section below. |                     |   |
| <input type="checkbox"/>                   | <b>g.</b> For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge. | *   | *                   | * As defined on drawings or specifications. |

|   |  |   |                     |   |
|---|--|---|---------------------|---|
| <b>4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):</b> |  | <b>Table 1705A.8</b>                                      |                     |   |
| <b>Test or Special Inspection</b>                 |  | <b>Type</b>   | <b>Performed By</b> | <b>Code References and Notes</b>  |
| <input type="checkbox"/>                          | <b>a.</b> Inspect drilling operations and maintain complete and accurate records for each pier.      | <b>Continuous</b>   | <b>PI</b>           | Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations. |
| <input type="checkbox"/>                          | <b>b.</b> Verify pier locations, diameters, plumbness and lengths. Record concrete or grout volumes. | <b>Continuous</b>   | <b>PI</b>           | Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations. |
| <input type="checkbox"/>                          | <b>c.</b> Concrete piers.  | Provide tests and inspections per CONCRETE section below. |                     |   |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 02-118411

School Name: Solano Community College

School District: Solano Community  
College District

DSA File Number: 48-C1

Increment Number:

Date Submitted: 6/1/2020

| <b>5. RETAINING WALLS:</b> |   |   |            |   |
|----------------------------|---|---|------------|---|
| <input type="checkbox"/>   | <b>a.</b> Segmental retaining walls; inspect placement of units, dowels, connectors, etc. | <b>Continuous</b>   | <b>GE*</b> | * By geotechnical engineer or his or her qualified representative. See DSA IR 16-3.   |
| <input type="checkbox"/>   | <b>b.</b> Placement of soil reinforcement, drainage devices and/or backfill.              | <b>Continuous</b>   | <b>GE*</b> | Placement, compaction and inspection of backfill per Section <b>1705A.6.1</b> for fills supporting foundations (Section 2 above).<br>* By geotechnical engineer or his or her qualified representative. |
| <input type="checkbox"/>   | <b>c.</b> Concrete retaining walls.   | Provide tests and inspections per CONCRETE section below. |            |   |
| <input type="checkbox"/>   | <b>d.</b> Masonry retaining walls.  | Provide tests and inspections per MASONRY section below.  |            |   |

| <b>6. OTHER SOILS:</b>   |   |                   |            |   |
|--------------------------|---|-------------------|------------|---|
| <input type="checkbox"/> | <b>a.</b> Soil Improvements               | <b>Test</b>       | <b>GE*</b> | Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS for final acceptance.<br>* By geotechnical engineer or his or her qualified representative. |
| <input type="checkbox"/> | <b>b.</b> Inspection of Soil Improvements | <b>Continuous</b> | <b>GE*</b> | * By geotechnical engineer or his or her qualified representative.  |
| <input type="checkbox"/> |   |                   |            |   |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

## Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13

**Application Number:** 02-118411

**School Name:** Solano Community College

**School District:** Solano Community College District

**DSA File Number:** 48-C1

**Increment Number:**

**Date Submitted:** 6/1/2020

| 7. CAST-IN-PLACE CONCRETE          |   |  |              |  |
|------------------------------------|---|--|--------------|--|
| Material Verification and Testing: |   |  |              |  |
|                                    | Test or Special Inspection  | Type   | Performed By | Code References and Notes  |
| <input type="checkbox"/>           | a. Verify use of required design mix.   | Periodic   | SI           | Table 1705A.3 Item 5, 1910A.1.   |
| <input type="checkbox"/>           | b. Identify, sample, and test reinforcing steel.  | Test   | LOR          | 1910A.2; ACI 318-14 Section 26.6.1.2; DSA IR 17-10. (See Appendix for exemptions.)   |
| <input type="checkbox"/>           | c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. | Test   | LOR          | Table 1705A.3 Item 6; ACI 318-14 Sections 26.5 & 26.12.  |
| <input type="checkbox"/>           | d. Test concrete ( $f_c$ ).   | Test   | LOR          | 1905A.1.15; ACI 318-14 Section 26.12.  |
| Inspection:                        |   |  |              |  |
| <input type="checkbox"/>           | e. Batch plant inspection: <b>Continuous</b>  | See Notes  | SI           | Default of ' <b>Continuous</b> ' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to ' <b>Periodic</b> ' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. (See Appendix for exemptions.) |
| <input type="checkbox"/>           | f. Welding of reinforcing steel.  | Provide special inspection per STEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below. |              |  |

| 8. PRESTRESSED / POST-TENSIONED CONCRETE (in addition to Cast-in-Place Concrete tests and inspections): |   |          |              |                                       |
|---|---|----------|--------------|---------------------------------------|
|   | Test or Special Inspection                              | Type     | Performed By | Code References and Notes             |
| <input type="checkbox"/>  | a. Sample and test prestressing tendons and anchorages. | Test     | LOR          | 1705A.3.4, 1910A.3                    |
| <input type="checkbox"/>  | b. Inspect placement of prestressing tendons.           | Periodic | SI           | 1705A.3.4, Table 1705A.3 Items 1 & 9. |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

## Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13

**Application Number:** 02-118411      **School Name:** Solano Community College      **School District:** Solano Community College District

**DSA File Number:** 48-C1      **Increment Number:**      **Date Submitted:** 6/1/2020

|                          |  |                   |           |  |
|--------------------------|--|-------------------|-----------|--|
| <input type="checkbox"/> | <b>c.</b> Verify in-situ concrete strength prior to stressing of post-tensioning tendons.                            | <b>Periodic</b>   | <b>SI</b> | <b>Table 1705A.3 Item 11.</b> Special inspector to verify specified concrete strength test prior to stressing. |
| <input type="checkbox"/> | <b>d.</b> Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons. | <b>Continuous</b> | <b>SI</b> | <b>1705A.3.4, Table 1705A.3 Item 9;</b> ACI 318-14 Section 26.13   |

### 9. PRECAST CONCRETE (in addition to Cast-in-Place Concrete tests and inspections):

|                          | Test or Special Inspection                                 | Type              | Performed By | Code References and Notes   |
|--------------------------|--|-------------------|--------------|---|
| <input type="checkbox"/> | <b>a.</b> Inspect fabrication of precast concrete members. | <b>Continuous</b> | <b>SI</b>    | ACI 318-14 Section 26.13.   |
| <input type="checkbox"/> | <b>b.</b> Inspect erection of precast concrete members.    | <b>Periodic</b>   | <b>SI*</b>   | <b>Table 1705A.3 Item 10.</b> * May be performed by PI when specifically approved by DSA. |

### 10. SHOTCRETE (in addition to Cast-in-Place Concrete tests and inspections):

|                          | Test or Special Inspection   | Type              | Performed By | Code References and Notes   |
|--------------------------|--|-------------------|--------------|---|
| <input type="checkbox"/> | <b>a.</b> Inspect shotcrete placement for proper application techniques. | <b>Continuous</b> | <b>SI</b>    | <b>1705A.19, Table 1705A.3 Item 7, 1908A.6, 1908A.7, 1908A.8, 1908A.9, 1908A.11, 1908A.12.</b> See ACI 506.2-13 Section 3.4, ACI 506R-16. |
| <input type="checkbox"/> | <b>b.</b> Sample and test shotcrete ( $f'_c$ ).                          | <b>Test</b>       | <b>LOR</b>   | <b>1908A.5, 1908A.10.</b>   |

### 11. POST-INSTALLED ANCHORS:

|                                     | Test or Special Inspection                               | Type             | Performed By | Code References and Notes  |
|-------------------------------------|--|------------------|--------------|--|
| <input checked="" type="checkbox"/> | <b>a.</b> Inspect installation of post-installed anchors | <b>See Notes</b> | <b>SI*</b>   | <b>1617A.1.19, Table 1705A.3 Item 4a (Continuous) &amp; 4b (Periodic), 1705A.3.8</b> (See Appendix for exemptions). ACI 318-14 |

**DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC**

**Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13**

|                                      |  |   |
|--------------------------------------|--|---|
| <b>Application Number:</b> 02-118411 | <b>School Name:</b> Solano Community College | <b>School District:</b> Solano Community College District |
| <b>DSA File Number:</b> 48-C1        | <b>Increment Number:</b>                     | <b>Date Submitted:</b> 6/1/2020                           |

|                                     |  |             |            |   |
|-------------------------------------|--|-------------|------------|---|
|                                     |  |             |            | Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA. |
| <input checked="" type="checkbox"/> | <b>b.</b> Test post-installed anchors. | <b>Test</b> | <b>LOR</b> | <b>1910A.5.</b> (See Appendix for exemptions.)  |

|                            |                                   |             |                     |                                  |
|----------------------------|-----------------------------------|-------------|---------------------|----------------------------------|
| <b>12. OTHER CONCRETE:</b> |                                   |             |                     |                                  |
|                            | <b>Test or Special Inspection</b> | <b>Type</b> | <b>Performed By</b> | <b>Code References and Notes</b> |
| <input type="checkbox"/>   |                                   |             |                     |                                  |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

Application Number: 02-118411

School Name: Solano Community College

School District: Solano Community

College District

DSA File Number: 48-C1

Increment Number:

Date Submitted: 6/1/2020

| 17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES |  |          |              |   |
|---|--|----------|--------------|---|
| Material Verification and Testing:  |  |          |              |   |
|   | Test or Special Inspection   | Type     | Performed By | Code References and Notes   |
| <input checked="" type="checkbox"/>   | a. Verify identification of all materials and: <ul style="list-style-type: none"> <li>• Mill certificates indicate material properties that comply with requirements.</li> <li>• Material sizes, types and grades comply with requirements.</li> </ul> | Periodic | *            | Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-16 Section A3.1 & A3.2, AISI S240-15 Section A3 & A5, AISI S220-15 Sections A4 & A6. * By special inspector or qualified technician when performed off-site. |
| <input checked="" type="checkbox"/>   | b. Test unidentified materials   | Test     | LOR          | 2202A.1.  |
| <input checked="" type="checkbox"/>   | c. Examine seam welds of HSS shapes  | Periodic | SI           | DSA IR 17-3.  |
| Inspection:   |  |          |              |   |
| <input checked="" type="checkbox"/>   | d. Verify and document steel fabrication per DSA-approved construction documents.  | Periodic | SI           | Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).   |

| 18. HIGH-STRENGTH BOLTS: RCSC 2014  |  |          |              |   |
|---|--|----------|--------------|---|
| Material Verification and Testing of High-Strength Bolts, Nuts and Washers: |  |          |              |   |
|   | Test or Special Inspection   | Type     | Performed By | Code References and Notes   |
| <input type="checkbox"/>  | a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents. | Periodic | SI           | Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9. |
| <input type="checkbox"/>  | b. Test high-strength bolts, nuts and washers.   | Test     | LOR          | Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.   |
| Inspection of High-Strength Bolt Installation:                              |  |          |              |   |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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|                          |  |          |    |  |
|--------------------------|--|----------|----|--|
| <input type="checkbox"/> | c. Bearing-type ("snug tight") connections.    | Periodic | SI | Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.  |
| <input type="checkbox"/> | d. Pretensioned and slip-critical connections. | *        | SI | Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. * "Continuous" or "Periodic" depends on the tightening method used. |

|                     |  |
|---------------------|--|
| <b>19. WELDING:</b> | <b>1705A.2.5, Table 1705A.2.1 Items 4 &amp; 5;</b> AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3 (See Appendix for exemptions.) |
|---------------------|--|

**Verification of Materials, Equipment, Welders, etc.:**

|                                     | Test or Special Inspection   | Type     | Performed By | Code References and Notes |
|-------------------------------------|--|----------|--------------|---------------------------|
| <input checked="" type="checkbox"/> | a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS. | Periodic | SI           | DSA IR 17-3.              |
| <input checked="" type="checkbox"/> | b. Verify weld filler material manufacturer's certificate of compliance.   | Periodic | SI           | DSA IR 17-3.              |
| <input checked="" type="checkbox"/> | c. Verify WPS, welder qualifications and equipment.  | Periodic | SI           | DSA IR 17-3.              |

**19.1 SHOP WELDING:**

|                                     | Test or Special Inspection   | Type       | Performed By | Code References and Notes   |
|-------------------------------------|--|------------|--------------|---|
| <input checked="" type="checkbox"/> | a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds. | Continuous | SI           | Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.                 |
| <input checked="" type="checkbox"/> | b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.                                  | Periodic   | SI           | 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3. |
| <input checked="" type="checkbox"/> | c. Inspect welding of stairs and railing systems.  | Periodic   | SI           | 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.                   |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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|                            |   |                   |                     |  |
|----------------------------|---|-------------------|---------------------|--|
| <input type="checkbox"/>   | <b>d.</b> Verification of reinforcing steel weldability other than ASTM A706.                                   | <b>Periodic</b>   | <b>SI</b>           | <b>1705A.3.1</b> ; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.  |
| <input type="checkbox"/>   | <b>e.</b> Inspect welding of reinforcing steel.   | <b>Continuous</b> | <b>SI</b>           | <b>Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8</b> ; AWS D1.4; DSA IR 17-3.  |
| <b>19.2 FIELD WELDING:</b> |   |                   |                     |  |
|                            | <b>Test or Special Inspection</b>   | <b>Type</b>       | <b>Performed By</b> | <b>Code References and Notes</b>   |
| <input type="checkbox"/>   | <b>a.</b> Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds. | <b>Continuous</b> | <b>SI</b>           | <b>Table 1705A.2.1 Items 5a.1–4</b> ; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.  |
| <input type="checkbox"/>   | <b>b.</b> Inspect single-pass fillet welds ≤ 5/16".   | <b>Periodic</b>   | <b>SI</b>           | <b>Table 1705A.2.1 Item 5a.5</b> ; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.   |
| <input type="checkbox"/>   | <b>c.</b> Inspect end-welded studs (ASTM A-108) installation (including bend test).                             | <b>Periodic</b>   | <b>SI</b>           | <b>2213A.2</b> ; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.   |
| <input type="checkbox"/>   | <b>d.</b> Inspect floor and roof deck welds.  | <b>Periodic</b>   | <b>SI</b>           | <b>1705A.2.2, Table 1705A.2.1 Item 5a.6</b> ; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.  |
| <input type="checkbox"/>   | <b>e.</b> Inspect welding of structural cold-formed steel.  | <b>Periodic</b>   | <b>SI*</b>          | <b>1705A.2.5; AWS D1.3; DSA IR 17-3.</b> The quality control provisions of AISI S240-15 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA. |
| <input type="checkbox"/>   | <b>f.</b> Inspect welding of stairs and railing systems.  | <b>Periodic</b>   | <b>SI*</b>          | <b>1705A.2.1</b> ; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.                           |
| <input type="checkbox"/>   | <b>g.</b> Verification of reinforcing steel weldability.  | <b>Periodic</b>   | <b>SI</b>           | <b>1705A.3.1</b> ; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.  |
| <input type="checkbox"/>   | <b>h.</b> Inspect welding of reinforcing steel.   | <b>Continuous</b> | <b>SI</b>           | <b>Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8</b> ; AWS D1.4; DSA IR 17-3.  |

**DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC**

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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| <b>20. NONDESTRUCTIVE TESTING: 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16</b> |                                   |             |                     |  |
|---|-----------------------------------|-------------|---------------------|--|
|   | <b>Test or Special Inspection</b> | <b>Type</b> | <b>Performed By</b> | <b>Code References and Notes</b>   |
| <input checked="" type="checkbox"/>   | a. Ultrasonic                     | Test        | LOR                 | <b>1705A.2.1, 1705A.2.5;</b> AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2. |
| <input checked="" type="checkbox"/>   | b. Magnetic Particle              | Test        | LOR                 | <b>1705A.2.1, 1705A.2.5;</b> AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2. |
| <input type="checkbox"/>  | c.                                | Test        | LOR                 |  |

| <b>21. STEEL JOISTS AND TRUSSES: 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16</b> |  |             |                     |   |
|---|--|-------------|---------------------|---|
|   | <b>Test or Special Inspection</b>  | <b>Type</b> | <b>Performed By</b> | <b>Code References and Notes</b>  |
| <input checked="" type="checkbox"/>   | a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist. | Continuous  | SI                  | <b>1705A.2.3, Table 1705A.2.3;</b> AWS D1.1; DSA IR 22-3 for steel joists only. <b>1705A.2.4;</b> AWS D1.3 for cold-formed steel trusses. |

| <b>22. SPRAY APPLIED FIRE-PROOFING: 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16</b> |                                   |             |                     |                                  |
|--|-----------------------------------|-------------|---------------------|----------------------------------|
|  | <b>Test or Special Inspection</b> | <b>Type</b> | <b>Performed By</b> | <b>Code References and Notes</b> |
|  |                                   |             |                     |                                  |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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|                          |  |                 |            |                    |
|--------------------------|--|-----------------|------------|--------------------|
| <input type="checkbox"/> | <b>a.</b> Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents. | <b>Periodic</b> | <b>SI</b>  | <b>1705A.14.</b>   |
| <input type="checkbox"/> | <b>b.</b> Test bond strength.  | <b>Test</b>     | <b>LOR</b> | <b>1705A.14.6.</b> |
| <input type="checkbox"/> | <b>c.</b> Test density.  | <b>Test</b>     | <b>LOR</b> | <b>1705A.14.5.</b> |

|  |   |             |            |   |
|--|---|-------------|------------|---|
| <b>23. ANCHOR BOLTS AND ANCHOR RODS:</b> |   |             |            |   |
| <input type="checkbox"/>                 | <b>a.</b> Anchor Bolts and Anchor Rods                    | <b>Test</b> | <b>LOR</b> | Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11. |
| <input type="checkbox"/>                 | <b>b.</b> Threaded rod not used for foundation anchorage. | <b>Test</b> | <b>LOR</b> | Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.                |

|                          |                                   |             |                     |                                  |
|--------------------------|-----------------------------------|-------------|---------------------|----------------------------------|
| <b>23.1 OTHER STEEL:</b> |                                   |             |                     |                                  |
|                          | <b>Test or Special Inspection</b> | <b>Type</b> | <b>Performed By</b> | <b>Code References and Notes</b> |
| <input type="checkbox"/> |                                   |             |                     |                                  |

## Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

**Application Number:** 02-118411

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Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with an "X" by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents.** The project inspector shall verify all construction complies with the approved construction documents.

|                          | <b>SOILS:</b>   |
|--------------------------|---|
| <input type="checkbox"/> | 1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per CBC Table 1806A.2 and having no geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.  |
| <input type="checkbox"/> | 2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception Item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC, Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill. |

|                                     | <b>CONCRETE/MASONRY:</b>   |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see Item 7 for "Welding") given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt Item 3 for "Welding." |
| <input type="checkbox"/>            | 2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.   |
| <input type="checkbox"/>            | 3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.   |
| <input type="checkbox"/>            | 4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.   |
| <input type="checkbox"/>            | 5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.   |

## Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 02-118411

School Name: Solano Community College

School District: Solano Community

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|                          | <b>Welding:</b>   |
|--------------------------|---|
| <input type="checkbox"/> | 1. Solid-clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.   |
| <input type="checkbox"/> | 2. Handrails, guardrails and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.  |
| <input type="checkbox"/> | 3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud. |
| <input type="checkbox"/> | 4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).   |
| <input type="checkbox"/> | 5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).   |
| <input type="checkbox"/> | 6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 located in the Steel/Aluminum category).   |
| <input type="checkbox"/> | 7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.  |

# DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SIGNATURE), 2019 CBC

Application Number: 02-118411

School Name: Solano Community College

School District: Solano Community  
College District

DSA File Number: 48-C1

Increment Number:

Date Submitted: 6/1/2020

Name of Architect or Engineer in general responsible charge:

SCOTT PULLEN

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer:



Date:

7/21/2020

**Note:** To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

## DSA STAMP

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118411 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 07/21/2020

## DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, 2019 CBC

**Application Number:** 02-118411

**School Name:** Solano Community College

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1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
5. Steel Joist Fabrication Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292