Application Number:

School Name:

03-122206

Hollingworth Elementary School

DSA File Number:

Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

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).

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

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR – 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.
	PI – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
Test – Indicates that a test is required	SI – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

Application Number:

School Name:

03-122206

Hollingworth Elementary School

DSA File Number:

Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

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

	1. GENERAL:	Table 1705A.	Table 1705A.6			
	Test or Special Inspection	Туре	Performed By	Code References and Notes		
V	 a. Verify that: Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. Foundation excavations are extended to proper depth and have reached proper material. Materials below footings are adequate to achieve the design bearing capacity. 	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	Table 1705A.6				
	Test or Special Inspection	Type Performed By Code References and Notes					
V	a. 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.			
V	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
--	-------------------------------------	---------------

Application Number:School Name:School District:03-12206Hollingworth Elementary SchoolRowland USDDSA File Number:Increment Number:Date Created:
2022-06-29 11:44:34

Test or Special Inspection	Туре	Performed By	Code References and Notes		
a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.		
b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	* Under the supervision of the geotechnical engineer.		
c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.		
d. 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.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.		
e. Steel piles.	Provide tests a	nd inspection	s per STEEL section below.		
f. Concrete piles and concrete filled piles.	Provide tests a	nd inspection	s per CONCRETE section below.		
g. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.		
4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):	Table 1705A.8				
Test or Special Inspection	Туре	Performed	Code References and Notes		

DGS DSA 103-19 (Revised 07/16/2020)

Ву

O3-122206 Hollingworth Elementary School Rowland USD

DSA File Number: Date Created: 2022-06-29 11:44:34

a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
b. Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
c. Concrete piers.	Provide tests and inspections per CONCRETE section below.		

5. RETAINING WALLS:					
Test or Special Inspection	Туре	Performed By	Code References and Notes		
a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See Section 2 above).		
b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.		
c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	* By geotechnical engineer or his or her qualified representative. See DSA IR 16-3.				
d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.				
e. Masonry retaining walls.	Provide tests a	nd inspection	s per MASONRY section below.		

6. OTHER SOILS:			
Test or Special Inspection	Туре	Performed By	Code References and Notes

Application Number:	School Name:	School District:
03-122206	Hollingworth Elementary School	Rowland USD
DSA File Number:	Increment Number:	Date Created:
		2022-06-29 11:44:34

a. Soil Improvements	Test		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. * By geotechnical engineer or his or her qualified representative.
b. Inspection of Soil Improvements	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
c.			

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

Application Number:	School Name:	School District:
03-122206	Hollingworth Elementary School	Rowland USD
DSA File Number:	Increment Number	Date Created:

8. PRESTRESSED / POST-TENSIONED CONCRETE (in addition to Cast-in-Place Concrete tests and inspections):

	7. CAST-IN-PLACE CONCRETE				
	Test or Special Inspection	Туре	Performed By	Code References and Notes	
Mate	rial Verification and Testing:				
V	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.	
V	b. Identifiy, 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.)	
V	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.	
V	d. Test concrete (f'c).	Test	LOR	1905A.1.15 ; ACI 318-14 Section 26.12.	
Inspe	ection:				
	e. Batch plant inspection:	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. (See Appendix for exemptions.)	
	f. Welding of reinforcing steel.	Provide spec	Provide special inspection per STEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below.		

2022-06-29 11:44:34

Fable 1705A.3; ACI 318-14 Sections 26.12 & 26.13					
Application Number:	School Name:	School District:			
03-122206	Hollingworth Elementary School	Rowland USD			
DSA File Number:	Increment Number:	Date Created:			
		2022-06-29 11:44:34			

Test or Special Inspection	Туре	Performed By	Code References and Notes
a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.
c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 11. Special inspector to verify specified concrete strength test prior to stressing.
d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9 ; ACI 318-14 Section 26.13

9. PRECAST CONCRETE (in addition to Cast-in-Place Concrete tests and inspections):			
Test or Special Inspection	Туре	Performed By	Code References and Notes
a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-14 Section 26.13.
b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * 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	Туре	Performed By	Code References and Notes	

applic b. Sam 11. PC Test o a. Insp b. Test	H	chool Name: collingworth Elementary Screment Number: or proper	Continuous Test	SI	School District: Rowland USD Date Created: 2022-06-29 11:44:34 1705A.19, Table 1705A.3 Item 7, 1908A.6, 1908A.7, 1908A.8, 1908A.9, 1908A.11, 1908A.12. See ACI 506.2-13 Section 3.4, ACI 506R-16.
applic b. Sam 11. PC Test o a. Insp b. Test	cation techniques. mple and test shotcrete (f'c).	r proper			1908A.9, 1908A.11, 1908A.12. See ACI 506.2-13 Section 3.4,
applic b. Sam 11. PC Test o a. Insp b. Test	cation techniques. mple and test shotcrete (f'c).	r proper			1908A.9, 1908A.11, 1908A.12. See ACI 506.2-13 Section 3.4,
11. PC Test o a. Insp b. Test			Test	100	ACI 300K-10.
Test o a. Insp b. Test	OST-INSTALLED ANCHORS			LOR	1908A.5, 1908A.10.
Test o a. Insp b. Test	ΟςΤ-ΙΝ ςΤΔΙ Ι FD ΔΝ ΛΗΩΡ		1		
☑ a. Insp☑ b. Test☐ 12. O1	OST HASTALLED ANOTION	:			
✓ b. Test12. 01	or Special Inspection		Туре	Performed By	Code References and Notes
12. 01	pect installation of post-inst	alled anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
	st post-installed anchors.		Test	LOR	1910A.5. (See Appendix for exemptions.)
			T	1	
	THER CONCRETE:				
l est o	or Special Inspection		Туре	Performed By	Code References and Notes
□ a.	or openial mapeemon				
	or openial inspection				

1705A.4; TMS 602-16, Tables 3 and 4.

Application Number:

School Name:

03-122206 **DSA File Number:**

Hollingworth Elementary School

Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

	13. STRUCTURAL MASONRY:				
	Test or Special Inspection	Туре	Performed By	Code References and Notes	
Mater	ial Verification and Testing: (See Appendix for exemptions.)				
	a. Mill certificate indicatescompliance with requirements forreinforcement, anchors, ties, fasteners and metal accessories. See item 7b for identification, sampling and testing of reinforcing steel.	Periodic	SI*	2103A.4 ; TMS 602-13 Article 1.5B.2 & 2.4. * To be performed by qualified LOR representative. Applicable testing by LOR. See IR 17-10.16 for unidentified reinforcing steel.	
	b. Producer's certificate of compliance for masonry units, mortar and grout materials.	Test	LOR	1705A.4, 2103A.2.1, 2103A.3, 2103A.5 ; TMS 602-16 Articles 2.1, 2.2,2.6A and 2.6B, and Table 6 footnote 3.	
	c. Test masonry (f'm).	Test	LOR	1705A.4. For Unit Strength: 2105A.3 (2114.6.1 ₊); TMS 602-16 Articles 1.4B.2 ,1.5B.1 & 1.5B.2. For Prism (required when f' _m > 2000 psi): 2105A.2 ; TMS 602-16 Articles 1.4B.3, 1.4B.4, 1.5B.1 & 1.5B.2.	
	d . Verify proportions of siteprepared, premixed or preblended mortar and grout.	Periodic	SI	TMS 602-16 Table 3 Item 5, Table 4 Item 1a & 2d.	
	e. Test core-drilled samples.	Test	LOR	2105A.4. (See Appendix for exemptions.)	
Inspe	Inspection: (See Appendix for exemptions.)				
	f. Inspect preparation of prisms.	Continuous	SI	TMS 602-16 Articles 1.4.B.3 & 1.4.B.4 & Table 4 Item 4.	
	g. Verify size, location and condition of all dowels, construction supporting masonry, etc.	Periodic	SI		

1705A.4; TMS 602-16, Tables 3 and 4.

1703A.4, 1103 002-10,	Tables 5 and	т.
Application Number:		•

School Name:

03-122206 **DSA File Number**:

Hollingworth Elementary School

Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

h. Verify size, grade and type of reinforcement and anchor bolts.	Periodic	SI	TMS 602-16 Table 4 Item 1c.
i. Welding of reinforcing steel.	TMS 602-16 Table 4 Item 3e. Provide special inspection per STEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below.		
j. Inspect placement of reinforcement and connectors.	Continuous	SI	TMS 602-16 Table 4 Item 2c.
k. Inspect placement of masonry units and construction of mortar joints.	Periodic	SI	TMS 602-16 Table 4 Item 3b.
I. Verify preparation, construction and protection of masonry during cold weather (temperature below 40° F) or hot weather (temperature above 90° F).	Periodic	SI*	TMS 602-16 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
m. Inspect type, size and location of anchors and all other items to embedded in masonry including other details of anchorage of masonry to structural members, frames and other construction.	Continuous	SI	TMS 602-16 Table 4 Item 3d.
n. Inspect grout space prior to placement of grout.	Continuous	SI	TMS 602-16 Table 4 Item 2a.

14. VENEER OR GLASS BLOCK PARTITIONS: 1705A.4.1; TMS 602-16 Tables 3 and 4.			
Test or Special Inspection	Туре	Performed By	Code References and Notes
a. Verify proportions of siteprepared mortar and grout and/or verify certification of premixed mortar.	Periodic	SI	TMS 602-16 Table 3 Item 5 and Table 4 Items 1a & 2d.

1705A.4; TMS 602-16, Tables 3 and 4.

Application Number:School Name:School District:03-122206Hollingworth Elementary SchoolRowland USDDSA File Number:Increment Number:Date Created:

b. Inspect placement of units and construction of mortar Periodic SI TMS 602-16 Table 4 Item 3b. joints. c. Inspect placement of reinforcement, connectors and Periodic SI TMS 602-16 Table 4 Item 2c. anchors. **d.** Inspect type, size and location of anchors and all other **Periodic** SI TMS 602-16 Table 4 Item 3d. items to be embedded in masonry including details of anchorage of masonry to structural members, frames and other construction. e. Verify preparation, construction and protection of TMS 602-16 Table 4 Item 3f. * May be performed by the project SI* Periodic masonry during cold weather (temperature below 40° inspector when specifically approved by DSA. F) or hot weather (above 90° F). f. Test veneer bond strength Test **1410.2.1**; TMS 402 Article 12.3.2.4. (Field constructed mock-up LOR laboratory tested in accordance with ASTM C482).

2022-06-29 11:44:34

15. POST-INSTALLED ANCHORS IN MASONRY:				
Test or Special Inspection	Туре	Performed By	Code References and Notes	
a. Inspect installation of postinstalled anchors	See Notes		1617A.1.19, 1705A.4, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic); ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA. (See Appendix for exemptions.)	
b. Test post-installed anchors.	Test	LOR	1705A.4, 1910A.5. (See Appendix for exemptions.)	

1705A.4; TMS 602-16, Tables 3 and 4.

Application Number: School Name: School District:
03-12206 Hollingworth Elementary School Rowland USD
DSA File Number: Date Created:
2022-06-29 11:44:34

16. OTHER MASONRY:			
Test or Special Inspection	Туре	Performed By	Code References and Notes
a.			

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

Application Number: School Name:

03-122206 Hollingworth Elementary School

DSA File Number: Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

	17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES					
Mate	Material Verification and Testing:					
	Test or Special Inspection	Туре	Performed By	Code References and Notes		
V	 a. Verify identification of all materials and: Mill certificates indicate material properties that comply with requirements. Material sizes, types and grades comply with requirements. 	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.		
✓	b. Test unidentified materials	Test	LOR	2202A.1.		
	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.		
Inspe	Inspection:					
V	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			
Mate	rial Verification and Testing of High-Strength Bolts, Nuts	and Washers:		
	Test or Special Inspection	Туре	Performed By	Code References and Notes
	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.

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

Application Number:	School Name:	School District:
03-122206	Hollingworth Elementary School	Rowland USD
DSA File Number:	Increment Number:	Date Created:
		2022-06-29 11:44:34

	b. Test nigh-strength boits, nuts and wasners.	lest	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.		
Inspe	ction of High-Strength Bolt Installation:					
	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.		
	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.		
	19. WELDING: 1705A.2.5, Table 1705A.2.1 Items 4 & 5; 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.)					
Verif	ication of Materials, Equipment, Welders, etc.:					
	Test or Special Inspection	Туре	Performed By	Code References and Notes		
V	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.		
V	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.		
V	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.		

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

Application Number: School Name:

03-122206 Hollingworth Elementary School

DSA File Number: Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

19.1 SHOP WELDING:			
Test or Special Inspection	Туре	Performed By	Code References and Notes
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.
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.
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.
d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1 ; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8 ; AWS D1.4; DSA IR 17-3.

19.2 FIELD WELDING:			
Test or Special Inspection	Туре	Performed By	Code References and Notes
		-5	
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 (AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5 ; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.

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

Application Number:

03-122206

DSA File Number:

School Name:

Hollingworth Elementary School

Increment Number:

Date Created:
2022-06-29 11:44:34

c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2 ; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6 ; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. 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.
f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1 ; 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.
g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1 ; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8 ; AWS D1.4; DSA IR 17-3.

20. NONDESTRUCTIVE TESTING: 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, A	AISC 358-16, AI	SC 360-16; AI	SI S100-16
Test or Special Inspection	Туре	Performed By	Code References and Notes
a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5 ; 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.

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

Application Number: School Name: School District:

03-122206 Hollingworth Elementary School Rowland USD

DSA File Number: Date Created:

2022-06-29 11:44:34

b. Magnetic Particle	Test		1705A.2.1, 1705A.2.5 ; 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.
c.	Test	LOR	

21. STEEL JOISTS AND TRUSSES: 1705A.2.1, Table 1705A	A.2.1; AISC 303-	-16, AISC 341	-16, AISC 358-16, AISC 360-16; AISI S100-16
Test or Special Inspection	Туре	Performed By	Code References and Notes
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	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

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					
Test or Special Inspection	Туре	Performed By	Code References and Notes		
a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.14.		
b . Test bond strength.	Test	LOR	1705A.14.6.		

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16 **Application Number:** School Name: School District: **Rowland USD** 03-122206 Hollingworth Elementary School **DSA File Number: Increment Number: Date Created:** 2022-06-29 11:44:34 c. Test density. 1705A.14.5. Test LOR 23. ANCHOR BOLTS AND ANCHOR RODS: **Test or Special Inspection** Performed **Code References and Notes Type** By a. Anchor Bolts and Anchor Rods LOR Sample and test anchor bolts and anchor rods not readily identifiable per Test procedures noted in DSA IR 17-11. **b.** Threaded rod not used for foundation anchorage. Sample and test threaded rods not readily identifiable per procedures Test LOR noted in DSA IR 17-11. Other Steel Code References and Notes **Type** Performed **Test or Special Inspection** By a.

Application Number:

School Name:

03-122206

Hollingworth Elementary School **Increment Number**:

DSA File Number:

School District: Rowland USD **Date Created:** 2022-06-29 11:44:34

	26. OTHER:			
	Test or Special Inspection	Туре	Performed By	Code References and Notes
V	a. Load test for identified product(s):	Test	LOR	1709A.2, 1709A.3 . Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
	b. Installation torque for non-HS bolts	Continuous	SI*	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
	c.			

Application Number: School Name: Hollingworth Elementary School Increment Number: Date Created: 2022-06-29 11:44:34

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall Items marked as exempt shall <

SOILS:
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.
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.

CONCRETE/MASONRY:
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."
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.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections **Application Number:** School Name: School District: **Rowland USD** 03-122206 Hollingworth Elementary School **DSA File Number: Increment Number: Date Created:** 2022-06-29 11:44:34 3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.16. Refer to construction documents for specific exemptions accordingly for each applicable wall condition. 4. Epoxy shear dowels in site flatwork and/or other non-structural concrete. 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. Welding: 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. 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. 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. 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). 5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such

DGS DSA 103-19 (Revised 07/16/2020)

listing above).

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

Appendix: Work Exempt from DSA Requirements for Structural rests / Special inspections				
Application Number:	School Name:	School District:		
03-122206	Hollingworth Elementary School	Rowland USD		
DSA File Number:	Increment Number:	Date Created:		
		2022-06-29 11:44:34		

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).
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:

School Name:

03-122206

Hollingworth Elementary School

DSA File Number:

Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

Name of Architect or Engineer in general responsible charge:

Jim DiCamillo

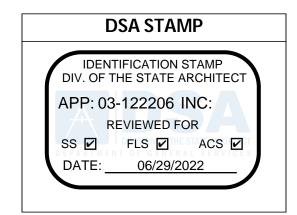
Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer:

Date:

06.29.2022

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



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

Application Number:

School Name:

03-122206

Hollingworth Elementary School

DSA File Number:

Increment Number:

School District: Rowland USD Date Created: 2022-06-29 11:44:34

- 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- 2. Post-installed Anchors: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
- 3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292