



CALIFORNIA COUNCIL OF TESTING AND INSPECTION AGENCIES

February 25, 2010
Sheraton Pleasanton Hotel
5990 Stoneridge Mall Road
Pleasanton, CA 94588

Minutes - General Business Meeting

1. Call to Order – Chip Moore
 - a. Time – 3:00 p.m.
 - b. Self-introductions
 - *The following members were in attendance:*

<i>Jim Auser (BSK Associates)</i>	<i>James Jernigan (Kleinfelder)</i>
<i>Jim Backman (Consolidated Engrg. Labs)</i>	<i>Elizabeth Levi (BSK Associates)</i>
<i>John Byerly (John R. Byerly, Inc.)</i>	<i>James Moore (ENGEO, Inc.)</i>
<i>Bill Cale (Construction Testing Services)</i>	<i>Tim Rodriguez (Signet Testing Labs)</i>
<i>Jeffry Cannon (Kleinfelder)</i>	<i>Mike Parker (Testing Engineers, Inc.)</i>
<i>Dave Chippero (Testing Engineers, Inc.)</i>	<i>William Wahbeh (Signet Testing Labs)</i>
<i>Cliff Craig (Dynamic Consultants, Inc.)</i>	<i>Rick Van Horn (Terracon)</i>
<i>Ross Esfandiari (RES Engineers, Inc.)</i>	<i>Kin Yee (Fugro West)</i>
<i>Osama El-Fiky (Condor Earth Technologies)</i>	<i>Mike Zell (Inspection Services, Inc.)</i>
2. Approval of Minutes – Cliff Craig
 - a. January 30, 2010
 - *The minutes were approved as submitted.*
 - *It was announced that Miki Craig was appointed Executive Secretary (a non-voting position) by the Executive Board, and Cliff Craig from DCI will fill in as Secretary, to be confirmed by special ballot. Miki has accepted a position with Kleinfelder, and the By-Laws allow only one employee at a time from a member firm to serve on the Executive Board.*
3. Financial Report – Elizabeth Levi
 - a. Balance of account
 - *The current balance is \$34,288.08. The balance at the end of the year was \$26, 204.22.*
 - *Five member firms are delinquent in dues. Letters have been sent to each reminding them they will lose their membership.*
4. Committee Reports
 - a. San Francisco DBI – Dave Chippero, Liaison
 - *Liaison Chippero reported AB 046 has apparently received approval by the City. We understand they intend to meet again with industry to discuss how this will implemented.*
 - b. ICC/Local Jurisdictions – Miki Craig, Chair (*handout*)
 - *Report by member Cliff Craig, including handout of Tri-Chapter Uniform Code Committee (TUCC) meeting minutes for December 10, 2009, indicating Keyvan Irannejad, City of Milpitas, that the Special Inspection Committee (SIC) is still reviewing special inspection companies' certification and experience. It has also begun development of a matrix to track special inspection personnel. Cliff Craig noted this matrix idea has been opposed by industry for lots of good reason since it was first raised in the original SIC 20 years ago. It was also noted that the SIC committee meets the first Tuesday of each month at the City of Milpitas "and everyone is welcome to come and participate." Another issue reported in the minutes*



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related to the ICC Code hearings, indicating steel and masonry special inspection were being taken out of the code, and concrete may be next.

c. ASTM – Jeff Cannon, Chair

- *Vice President Jeff Cannon reported on the following ballot items:*

i) ASTM D 422, Standard Test Method for Particle-Size Analysis of Soils. This is being split into two different standards, one for sieve analysis and one for hydrometer analysis. The new sieve standard is D 6913, Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis, which was first published in 2004. The original standard was re-approved last year, so the most current version is D 6913-04 (2009). AMRL will begin assessing to this standard soon, and they will drop D 422 as soon as the replacement for the hydrometer portion is complete. The new hydrometer standard has been in the works for a number of years, and is getting close to final approval. We should look for D 422 to be removed from service soon.

ii) ASTM D 2922, Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth), and D 3017, Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth) were replaced by D 6938, Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth), in 2006. The most current version is D 6938-08e1. We continually see specifications, geotechnical reports, grading letters, etc., that are referencing the old standards. We need to catch up with the changes and use the correct standard.

iii) ASTM E 11, Standard Specification for Wire Cloth and Sieves for Testing Purposes, was revised last year. Vice President Cannon received a copy of the newest revision yesterday, and saw there are lots of changes. However, the new standard raises many more questions rather than providing answers. He will send more information about the new E 11 after he has had a chance to research it better. He has messages in to several ASTM E29 Committee members (the committee that oversees E 11), so we'll see what comes from that. The biggest new thing is that there are now three different classes of sieves: Compliance Test Sieves, Inspection Test Sieves, and Calibration Test Sieves. How we are supposed to use them, when we are supposed to use a particular class, etc. is not defined and Vice President Cannon is trying to find out more about this. Additionally, there are more detailed calibration parameters.

d. SEAONC CQA – Ross Esfandiari, Chair

- *A general discussion that CCTIA agrees with SEAONC CQA committee position opposing ICC Code change S 121, which would remove steel special inspection parameters from the code and replace it with an AISC version with which we are unfamiliar.*

e. DSA – John Byerly, Chair (*handout*)

- *Member Mike Zell with ISI reported that DSA (Eric France) had taken exception to two items in its report format - the wording of the “compliance statement” and the addition of “distributions” on attachments – and had revoked the firm’s accreditation. These were resolved and ISI has been returned to acceptable LEA status. There was general discussion that it would appear a firm could lose its LEA authorization without any recourse and/or due process.*



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- *Cliff Craig reported that industry was hearing that the DSA recommended form templates (DSA 250, 201, 202, 203, 204, 205, 206, 207, 208, 209 and 210) were going to become mandatory. A number of members (including Cliff Craig) emailed Eric France to remind him industry has opposed these becoming mandatory from the beginning. These forms simply do not meet our needs for reporting formats, and some are fundamentally incorrect. Chairman Byerly will address this again at the next DSAAB meeting.*
- *It is unconfirmed that David Thorman is still with DSA, but is no longer the State Architect.*
- f. ACI – Cliff Craig, Chair
 - *A member requested again that the ACI website show more of the scheduled programs to come so their people can plan which one to attend. Chair Craig encouraged anyone with candidates interested in program to call Liese Hironaka, ACI Certification Coordinator, and she can add you to a list if there is not an available program.*
- g. Membership – Jim Backman/John Byerly, Co-Chairs
 - *No action to report.*
- h. Code Adoption/IBC – Chair TBD
 - *President Chip Moore reported that ASFE also wrote a letter supporting CCTIA's opposition to S 121.*
- i. Newsletter – Elizabeth Levi, Editor
 - *Next issue is almost ready and will include annual business meeting update.*
- j. Internal Auditing – Terry Egland, Chair
 - *No action to report.*
- k. ASFE – Elizabeth Levi, Liaison
 - *Liaison Levi reported the Board approved ASFE RO membership for another year. ASFE will be at the March meeting to explain the value of this program. Liaison Levi will attend the next RO meeting and CCTIA will cover some of the expenses.*
- l. Standard of Practice – Miki Craig, Chair
 - *Cliff Craig reported on the need to finish the revisions to the Special Inspection Guidelines. He will contact the members of the committee and arrange to complete the various task elements. This publication is typically one of the more significant expenses of CCTIA and we will need to consider some different formats that could save costs.*
- m. Education – Rick Van Horn, Chair
 - *Chair Rick Van Horn and Vice President Jeffrey Cannon reported the committee was working on a number of educational programs including some "brown bag" type and seminar type. Topics include new ICC Grading special inspector. Advertising is the key to getting a good turnout. CCTIA is still an ICC authorized training organization and can issue CEU's.*
- n. FAQ's – Terry Egland/William Wahbeh, Co-Chairs
 - *No action to report.*
- o. Pins & Honors – William Wahbeh/Mike Parker, Co-Chairs
 - *No action to report.*
- p. Website – Miki Craig, Webmaster



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- *No action to report.*

5. Old Business

a. Caltrans Certifications

- *Members Jim Backman and Will Wahbeh reported continuing difficulty and delay in getting Caltrans certifications in Northern California.*

6. New Business

a. 2010 Meeting Dates/Locations

- *Meetings will continue to be held at the Sheraton Pleasanton Hotel on the third Thursday of each month unless scheduled out of the Bay Area.*

b. 2011 Annual Business Meeting

- *The Executive Board approved January 21 and 22, 2011, at a Las Vegas location to be determined, for the 2011 ABM. The World of Concrete is scheduled for January 18-21 for those who enjoy combining these two events.*

7. Adjournment – Chip Moore

a. Time

- *There being no further business, President Moore adjourned the meeting at 4:00 p.m.*

b. Next meeting

- *March 25, 2010 at the Sheraton Pleasanton Hotel*

Respectfully submitted,
Cliff Craig
On behalf of the Secretary

Tri-Chapter Uniform Code Committee (TUCC)

Meeting Minutes for December 10, 2009
Milpitas City Hall
455 E. Calaveras Rd.

Call to Order:

Meeting called to order at 1:25 p.m. by committee co-chairperson Keyvan Irranejad, City of Milpitas.

1. In Attendance/Self Introductions:

++Keyvan Irannejad, City of Milpitas
Mike Leontiades, Town of Danville
Homer Maiel, City of San Jose
Stephen Lau, City of San Mateo
**David Basinger, Shums Coda Associates
Giyen Senaratne, WC3
Carol Lau, City of Sunnyvale
Gale Bate, Code Resource
Michael Richards, Foster City

David Chung, City of Gilroy
Mac Saberi, City of Palo Alto
Dan Wells, Simpson Strong-Tie
Massoud Abolhoda, Plan Review
Consultants
Jeff Maddox, The Fire Consultants
James Russell, Building Codes Consultant
Kathryn Sedwick, City of San Jose
Akitayo Akiloumi, City of San Ramon

* Chairperson

** Secretary

+ Additional/Back-up Secretary

++ Acting Chairperson

2. Minutes Approval:

The minutes from last month were not distributed, as the primary topic of the meeting was special inspection procedures and a matrix list that was being created by the Special Inspection Committee. Keyvan explained that the review of the special inspection companies certification and experience was still a part of the Special Inspection Committee information provided to the Tri-Chapter organizations, but the Committee had begun to develop a matrix (that has not been completed or published at this point) that tracked changes in special inspection personnel within these companies. As this was not done in the past there was a significant level of apprehension in publishing this as completed (through the minutes) without some discussion by all Chapters and jurisdictions - although this list would only be additional information developed by the Committee.

Keyvan noted that regardless of the outcome of the matrix list, the current general information created from the Special Inspection Committee was still valid, and can be used by jurisdictions to maintain uniformity. There was a brief discussion of the issues that followed, with some of the representatives expressing frustration that the committee had developed this matrix, and whether or not this reflected the opinion or direction of the city they represent. Some who had been involved with the creation of the Special Inspection Committee recalled that this was not a new concept, as changes in special inspector staff and credentials were also be part of their informational tasks, but there was never any follow through (such as a list) with the information. Keyvan suggested that the city field inspector still needed to check the special inspector's qualifications for

each job they are working, and others agreed as often the special inspector and field inspector are often not present on site at the same time during construction. Jim suggested that members of the Special Inspection Committee need to make presentations at the Chapter meetings to ensure all information created and distributed is acceptable.

Keyvan closed the discussion by noting that the first Tuesday of each month is when the Special Inspection Committee meets at the City of Milpitas, and everyone is welcome to come and participate.

3. Glazing Sizing (Giyán Seneratne):

Giyán noted that under the 2001 CBC the glazing table (used for sizing in lieu of complete structural calculations) has been eliminated, and he was having a problem quickly determining if the glazing was meeting the code minimums. The group agreed that the Table has been eliminated and replaced by ASCE-7, Article 13 - calculations and requirements. Mac indicates that the ASCE-7 would now allow glazing to be designed and supported on four, three or two sides. Keyvan suggested that asking for "listed" glazing units would eliminate this concern, as it would give the deflection criteria.

Action taken: None - discussion item only

4. Underfloor Clearances (Keyvan Irrannejad):

Keyvan brought to the group that in some recent residential additions, they were running into older homes that could not provide the 18"/12" clearances that are required for joists/girders. Milpitas had developed a policy to assist and handle these conditions and was wondering if the group wanted to examine this as a possible Tucc recommendation in future meetings?

Massoud thought that if the new construction exposes or undermines the existing foundation there should be some alternatives to the code minimums to reduce required clearances. Homer suggests that less than 12" should not have any utility lines within the underfloor areas, and Mac thought that the 12" is only needed for pest inspections. Someone suggested that lack of ventilation does rust out the structural connections. Keyvan noted that they were still requiring ventilation, unless it was a slab with vapor barrier or foam insulation within the space (in lieu of ventilation).

Action taken: Keyvan to bring the policy to the group to review and discussion at the next meeting.

5. Tie down anchors in cracked concrete (Massoud Abouldoud):

Massoud asked the group if they were checking tiedown anchors in single family additions for cracked concrete design per ACI-Appendix D? Everyone indicated that they were asking for such a calculation from the engineers, unless (as Keyvan suggested) they were using one of the only two bolts (Simpson or Hilti) that were pre-approved and tested for cracked concrete strength.

Massoud suggested that in single-story, SFD's, there was no history of these holdowns failing (if installed correctly) - so he had some concerns with asking designers to provide

the additional structural calculations (and time) on an item that would comply with the code minimums. Secondly, if designed conventionally, the cracked concrete anchor design will not be done, as it is not required in conventional design. If the concrete is not subject to tension (i.e., S.F.D.), then there is not need to check the tension force.

Mac suggests that Jim may have gotten this waived in the new code for single-family homes via the recent ICC Code Change Hearings. At this point, Jim presented the Tri-Chapter supported code change language that was approved in Baltimore, but noted that it was only for shear plane design (i.e., anchor bolts only - not holdown anchors). The code change centered on these bolts only require a shear plane design (don't have failure of sill plates designed in the ASC requirements), so in light-framed wood structures (bearing or non-bearing walls) with masonry and concrete walls, should be per CBC Chapter 23. Thus CBC Section 2304.1.2 was changed to allow for lateral nominal design strength to be use for the lateral bolt strength in a plate design - as long as it meets certain criteria (5/8" A.B.'s, with 7" imbed, center of a 2x4 plate or 1-3/4" in on a 2 x 6 plate, with end distance of 15 bolt diameters) - then you don't have to design per appendix D for cracked concrete.

Massoud would like to extend this to also be for tensioned bolts, or follow the concrete design chart that does address this with doubled checking of the design, and is considered conservative loading. Massoud would ask that this table be used as a Tucc policy in lieu of asking for designers to check the loading for cracked concrete in single-family homes. Keyvan indicated that he has a more conservative Table he obtained from Simpson representatives (as of yet unpublished) for similar comparison analysis. Jim agrees that some type of chart would be a useful tool to make a plan reviews easier for this item, as we already know that the typical holdown anchor bolts in the home will work.

Action taken: A draft table and policy for Tucc to review needs to be prepared for a future meeting (Massoud and/or Jim?). Jim would like to bring back the code change as well.

6. Summary of ICC ABM 2012 Code Hearings (Jim Russell):

Jim presented some highlights from the Code Hearings for the group:

- Steel and masonry special inspection taken out of the code, concrete not out yet, but ACI may be pushing for this 2012 edition of the code.
- Seismic maps are changing again - really for the Charleston/Memphis areas of the country.
- Wind maps are now changed to get an LRFD number, so the load calculations are also changing, which may change the numbers we see in design.
- Special inspection of T-bar ceilings also removed/changed.
- Tucc type policy to not require a soils report for addition/remodels was not approved.
- The stair width design have changed back to the wider values from older codes.
- Sprinkler reductions have been eliminated - Gale suggested that these were marginal when initially included in the I-Codes.
- Sprinklers at glass walls are no longer usable for fire protection, because you can't rely on the water being there, but can be proposed as an AMMA equivalency.

Jim indicated that in the future, as a group we need to get structural engineers involved and placed on code change committee boards, because the trend in Baltimore was that the boards gave little credence to the Building Official membership desires to simplify the usefulness of the codes. For example, in the future versions of the codes many of the simple look and use tables have been eliminated in lieu of calculations in reference documents - we may need to re-create newer versions of current tables to supplement and make easier the interpretation of the code minimums.

Additionally, Gale added that Baltimore had a very low attendance, so change at the State level is more probable.

7. Set up 2010 Code Committees:

Keyvan postpone this item until next month, although Jim asked that changes in moving to the IRC be part of the committee analysis.

Other code items to discussions:

David Chung asked if it was still appropriate to use an occupant load factor of 50 for library reading rooms? Keyvan noted that in their recent review of new Milpitas Public Library they used 50/sq. ft. for most of the areas, but used 15/sq. ft. at the entry and assembly areas.

Keyvan had a code issue on accessibility, garage, with one unit above, then stairway with two-story townhome above that (four-story unit) - first story above the garage needs to be accessible, and the two-story falls under the 10% adaptable. The first floor units need to be accessible/adaptable, the two-story units would not have an accessible route to these, so you can't enforce the accessibility on these ones. Mac suggests that everything is a multi-story building, so a powder room, but the 10% could not apply to non-accessible levels. Massoud indicates that it was the intent for visitors, but not access to the upper levels.

Meeting adjourned at 3:23 p.m.

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

SIEVE ANALYSIS TEST REPORT

Project Name: _____ Location in Structure: _____
 Sampled By: _____ Report Date: _____

TESTING INFORMATION

Sample Size _____

Sieve size	Weight Retained (grams)	Cumulative Weight Retained (g)	% Retained Each Sieve	% Passing	Specification
63.5 mm (2.5")					
50 mm (2")					
37.5 mm (1.5")					
25 mm (1")					
19 mm (0.75")					
12.5 mm (0.5")					
9.5 mm (0.375")					
4.75 mm (No. 4)					
2.36 mm (No. 8)					
1.18 mm (No. 16)					
600 μ m (No. 30)					
300 μ m (No. 50)					
150 μ m (No.100)					
75 μ m (No. 200)					

ASTM Test Method _____

The Material WAS WAS NOT
 SAMPLED AND TESTED IN ACCORDANCE WITH
 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

The Material Tested MET DID NOT MEET
 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

TENSION / BEND TEST REPORT

Project Name: _____ Location in Structure: _____
 Sampled By: _____ Report Date: _____

TESTING INFORMATION

Material Specification _____ Material Grade _____

Specimen ID:					SPEC.
Manufacturer:					
Heat Number:					
Cross Sect. Dimension (in.):					
Cross Sect. Area (in ²):					
Yield Point, lbs.:					
Maximum Load, lbs.:					
Elongation (%):					
Yield (psi):					
Tensile Strength (psi):					
Elongation (%):					
Fracture Characteristics*:					
Bend Results					

*** Fracture Characteristics:**

C = Cup-Cone **I** = Irregular **CR** = Crystalline **S** = Silky **PC** = Partial Cup-Cone
T = Tear **F** = Fibrous **G** = Granular **FL** = Flat

Full Size Specimen Reduced Size Specimen

ASTM Test Method _____

The Material WAS WAS NOT
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The Material Tested MET DID NOT MEET
 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

COMPRESSION TEST REPORT

Project Name: _____ Location in Structure: _____
 Sampled By: _____ Report Date: _____

SAMPLING INFORMATION Material: Concrete Grout Mortar Other _____

	Actual	Spec	Notes: All items must be filled in
Slump, ASTM C143 (inches):			Set #: ____ Time Sampled: _____
Percent Air, ASTM C231 (%):			Mix Number: _____
Unit Weight, ASTM C138 (pcf):			Req'd Strength, 28 days (psi): _____
Air Temperature (°F):			Concrete Supplier: _____
Mix Temperature, ASTM C1064 (°F):			Truck #: ____ Ticket #: _____

Specimens were fabricated in accordance with ASTM C31
 YES NO

Specimens were tested in accordance with ASTM C39
 YES NO

TESTING INFORMATION

Identification						
Date Received:						
Date Sampled:						
Age in Days:						
Date Tested:						
Diameter (in.):						
Cross Sect. Area (in. ²):						
Maximum Load (lbs.):						
Compr. Strength (psi):						
Fracture Type:						

ASTM Test Method _____

The Material WAS WAS NOT
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The Material Tested MET DID NOT MEET
 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

CONCRETE MASONRY UNIT TEST REPORT

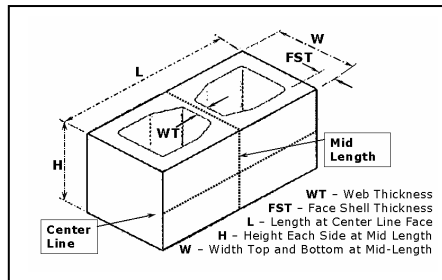
Project Name: _____ Location in Structure: _____
 Sampled By: _____ Report Date: _____

Material Description: _____

Physical Properties of Units (Average) Date Received: _____

Length (in.):	**Received Weight (g):	Lightweight	<input type="checkbox"/>	Specimen Size: <input type="checkbox"/> Full <input type="checkbox"/> Reduced <input type="checkbox"/> Coupon
Width (in.):	Moisture Content (%):	Medium Weight	<input type="checkbox"/>	
Height (in.):	Density (pcf):	Normal Weight	<input type="checkbox"/>	

Summary of Tests	Results	Specified	Conformance
Net Compressive Strength (psi):			<input type="checkbox"/> Yes <input type="checkbox"/> No
Absorption (pcf):			<input type="checkbox"/> Yes <input type="checkbox"/> No
Min. Faceshell Thickness (in.):			<input type="checkbox"/> Yes <input type="checkbox"/> No
Minimum Web Thickness (in.):			<input type="checkbox"/> Yes <input type="checkbox"/> No
Equivalent Web Thickness (in.):			<input type="checkbox"/> Yes <input type="checkbox"/> No
Equivalent Thickness (in.):			<input type="checkbox"/> Yes <input type="checkbox"/> No



Compressive Strength - Individual Test Results

Date Tested: _____

Unit #	Net Area (in ² .)	Max. Load (lbs.)	Net Compressive Strength (psi)	Reason, if Specimen is less than full size	
1				Faceshell Projections	<input type="checkbox"/>
2				Unsupported Projections	<input type="checkbox"/>
3				Test Machine Capacity	<input type="checkbox"/>

** Received Weight determined at time of delivery to the job site or from units sampled at the time and delivered to the laboratory in sealed containers for moisture content determination.

Absorption & Received Moisture - Individual Test Results

Date Tested: _____

Unit #	Ave. Width (in.)	Ave. Height (in.)	Ave. Length (in.)	Absorption (pcf)	Density (pcf)
4					
5					
6					

ASTM C90 Requirements:
 (Water Absorption max pcf - Average of 3 Units)
Lightweight - Less than 105 pcf
Medium Wt. - 105 to Less than 125 pcf
Normal Wt. - 125 pcf or more

ASTM Test Method _____

The Material WAS WAS NOT SAMPLED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

The Material Tested MET DID NOT MEET THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

POST-INSTALLED ANCHOR TEST REPORT

Project Name: _____ Location in Structure: _____
 Tested By: _____ Report Date: _____

Load Test Performed on Rebar Shotpin / Wire Assembly Anchors Installed in Concrete
 Method: Anchors were proof loaded to the specified load using the following apparatus:
 Dynamometer Torque Wrench Hydraulic Jack System Scale

TESTING INFORMATION SPECIFIED TEST LOAD / TORQUE: _____

Anchor Location	Nominal Size	Quantity Tested	Test Load (Lbs. or ft. lbs)	Specified Load	Notes

ASTM Test Method _____

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 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

The Material Tested MET DID NOT MEET
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REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

HIGH STRENGTH BOLT TEST REPORT

Project Name: _____ Location in Structure: _____
 Sampled By: _____ Report Date: _____

TESTING INFORMATION

SPECIMENS						
TYPE	MANUFACTURER	LOT NO.	ASTM SPEC.	MARKINGS	DIAMETER	LENGTH
BOLTS						
NUTS						
WASHERS						

SPECIMEN #	ROCKWELL HARDNESS (HRC)		PROOF LOAD (LBS.)		WEDGE TENSILE (LBS.)	
	TEST RESULTS	SPECIFIED	LOAD VALUE	TEST RESULTS	TEST RESULTS	SPEC. MIN.
Bolt 1						
Bolt 2						
Bolt 3						
Nut 1			Notes:			
Nut 2						
Nut 3						
Washer 1						
Washer 2						
Washer 3						

ASTM Test Method _____

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The Material Tested MET DID NOT MEET
 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

FIREPROOFING DENSITY TEST REPORT

Project Name: _____ Location in Structure: _____
 Sampled By: _____ Report Date: _____

Manufacturer		Type	
Project Specification / Minimum Density (pcf)			

Sample No.	Sample Location	Average Thickness (in.)	Dry Density (pcf)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

ASTM Test Method _____

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The Material Tested MET DID NOT MEET
 THE REQUIREMENTS OF THE DSA APPROVED DOCUMENTS.

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

 Signature

 Date

 Print Name / Title

School District: _____
 Attn: _____
 Address: _____

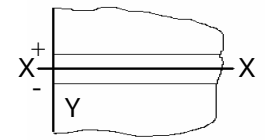
DSA FILE # _____
 DSA APPL. # _____
 DSA / LEA # _____

ULTRASONIC (NDT) TEST REPORT

Weld I.D.: _____
 Material Thickness: _____
 Weld Joint AWS: _____
 Welding Process _____
 Quality Requirements – Section No. _____

Project Name: _____
 Report Date: _____
 Location in Structure: _____

Line Number	Indication Number	Transducer Angle	From Face	Leg ¹	Decibels				Discontinuity					Discontinuity Evaluation	Remarks
					Indication Level	Reference Level	Attenuation Factor	Indication Rating	Length	Angular Distance (sound path)	Depth from "A" Surface	Distance			
												From X	From Y		
a	b	c	d												
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															



General Note: This form is applicable to Section 2, Parts B or C (Statically and Cyclically Loaded Nontubular Structures) of ASW D1.1. Do NOT use this form for Tubular structures (Section 2, Part D).

I, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in conformance with the requirements of Section 6, Part F of AWS D1.1/D1.1M, (_____) Structural Welding Code – Steel
 (year)

REMARKS: _____

cc: Project Architect
 Structural Engineer
 Project Inspector
 DSA Regional Office

DSA-210 Template (02/06)

The Material WAS WAS NOT
 SAMPLED AND TESTED IN ACCORDANCE
 WITH THE REQUIREMENTS OF THE
 DSA APPROVED DOCUMENTS.

The Material Tested
 MET DID NOT MEET
 THE REQUIREMENTS OF THE
 DSA APPROVED DOCUMENTS.

 Signature Date

 Print Name / Title

CERTIFICATION # _____

