Attachment 1

Summary of Requested Information

Based on the NRC Staff's review of LES submittal of additional information on October14, 2011, "Revised Request for Exception to License Condition 10.f of Materials License SNM-2010," the staff determined that further information was needed to begin a detailed technical review. NRC Letter dated November 9, 2011, "Acceptance Review, Request for Exception to License Condition 10.f of Materials License SNM-2010 – Supplemental Information Needed (Second Request)," delineates the information required.

This attachment provides a summary of that requested information and details how that information is provided in this submittal.

NRC Request

"Request for Exception from Requirements of QAPD Section 21.10, "Inspection"

Section 2.2.3.4, "Detailed Basis for the Exception," of LES-11-00141-NRC states that "Personnel performing inspections were qualified field or construction personnel" and that "critical attributes during construction were primarily dimensional verifications that did not require highly specialized training."

(i) Provide a matrix that identifies the following information: (1) inspection performed; (2) equipment used to perform inspection (tape measure, etc.); (3) identification of personnel who performed the inspection and their affiliation (LES, contractor, etc.); and (4) qualifications of personnel who performed the inspection.

(ii) In support of item (i)(3) above, provide records of personnel training and qualification to support the assertion that the field and construction engineers were "qualified."

Section 1.4, "Background," of LES-11-00141-NRC states that "Quality control inspections were not performed by trained and qualified Quality Control personnel independent of the work activities; however, inspections were performed by engineering personnel." Attachment 4 of CALC-C-00183 provides examples of signoffs for QL-1G activities including formwork installation, rebar and anchor bolt installation, etc.

(i) Provide records of personnel training and/or qualification to support the assertion that the personnel completing signoffs for quality control inspections belonged to the engineering organization or were qualified as engineering personnel."

UUSA Response

QAPD Section 21.10, "Inspection"

Section 2.2.3.4, "Detailed Basis for the Exception"

(i) A summary of the inspections performed and detailed inspection matrix are included in Attachments 2 and 2A that provides:

ML11332A054

1. Inspection performed,
2. Equipment used to perform inspection,
3. Identification of personnel who performed the inspection and their affiliation, and
4. Qualifications of personnel who performed the inspection.

(ii) A summary of the qualifications of the personnel who performed the inspections and detailed records of their qualifications is provided in Attachments 3 and 3A that demonstrates the competency of these field and construction engineers.

Section 1.4, "Background"

(i) A summary of the qualifications of the personnel who performed the QC inspections and detailed records of their qualifications is provided in Attachments 3 and 3A that demonstrates the competency of these engineering personnel.

NRC Request

Request for Exception from Requirements of QAPD Section 21.13, "Handling, Storage, and Shipping"

Exception Request Section 2.1.3.4, Detailed Basis for the Exception

(i) Provide linkage to the section of CALC-C-00183, Revision 0 that documents the verification and acceptance of the post-storage condition of the installed reinforcing steel prior to every concrete placement.

(ii) Provide a copy of the Cylinder Receipt and Dispatch Building Project Quality Assurance Plan.

UUSA Response

QAPD Section 21.13, "Handling, Storage and Shipping"

Section 2.1.3.4, "Detailed Basis for the Exception"

(i) The post-storage condition of the installed reinforcing steel prior to concrete placement would have been encompassed by the signoffs for the "Reinforcing Steel" item of the post pour checklist. This inspection point is addressed in detail in Attachment 2 page 4, and the appropriate signoffs are noted in Attachment 2A. For pours utilizing construction joints involving previously embedded rebar, the cleanliness of the rebar was verified on the Critical Attributes checklist that precedes each concrete placement report (an example of this is Page 809 of Attachment 4 to CALC-C-00183).

(ii) A copy of the Cylinder Receipt and Dispatch Building (CRDB) Project Quality Assurance Plan (PQAP) is provided in Attachment 4.

NRC Request

Request for Exception from Requirements of QAPD Section 21.17, "Quality Assurance Records"

(1) Exception Request Section 2.1.4.3, What Was Done that Requires the Exception?

(i) Provide Reference No. 3 of CALC-C-00183, Revision 0 Section 6.0, Specification LES-S-S-00002, Revision 3, "CRDB Civil-Structural Requirements."

(ii) Provide Reference No. 26 of CALC-C-00183, Revision 0 Section 6.0, Contract Number LES-SC-1051, Revision 0, dated 5-16-08, "Procurement and Construction of Civil-Structure Scope for the Cylinder Receiving and Dispatch Building (CRDB), Building 1100, Requisition Number 28683-REQ-08-968."

(2) Exception Request Section 2.1.4.4, Detailed Basis for the Exception

(i) Provide linkage to the section of CALC-C-00183, Revision 0 that captures copies of all design documents (drawings and specifications) mentioned in Section 2.1.1.4. Also provide a copy of all these design documents.

UUSA Response

QAPD Section 21.17, "Quality Assurance Records"

(1) Section 2.1.4.3, "What Was Done that Requires the Exception"

(i) A copy of LES Specification, LES-S-00002, Revision 3, "CRDB Civil- Structural Requirements" is provided in Attachment 5.

(ii) A copy of LES Contract, LES-SC-1051, Revision 0, dated 05-16-08, "Procurement and Construction of Civil-Structure Scope for the Cylinder Receiving and Dispatch Building (CRDB), Building 1100, Requisition Number 28683-REQ-08-968" is provided in Attachment 6.

(2) Section 2.1.4.4, "Detailed Basis for the Exception"

(i) Section 6.0 of CALC-C-00183, Revision 0, identifies all design documents (drawings, calculations and specifications). Copies of all the design documents are provided in Attachment 7.

NRC Request

Request for Exception from Requirements of QAPD Section 21.4, "Procurement Document Control"

(1) Exception Report Section 2.2.1.4 Detailed Basis for the Exception

(i) Provide linkage to the section of CALC-C-00183, Revision 0 that captures copies of records; a review of which was used to determine that no procurement hold points would have been required.

UUSA Response

QAPD Section 21.4, "Procurement Documents"

(1) Section 2.2.1.4, "Detailed Basis for the Exception"

(i) A Procurement Hold Point Evaluation including references and copies of additional records which were used for UUSA's determination that procurement hold points would not have been required is provided in Attachments 8 and 8A.

NRC Request

Request for Exception from Requirements of QAPD Section 21.18, "Audits"

Section 2.2.4.4, "Detailed Basis for the Exception," of LES-11-00141-NRC states that "LES procedures were used to conduct QL-2/QL-3 audits and assessments. In addition, verifications of material characteristics were performed as part of applying the additional methods described in CALC-C-00183."

(1) Evidence of verification of material characteristics is included in CALC-C-00183; however, reference has not been made to the QL-2/QL-3 audits and assessments.

(i) Provide linkage to the section(s) of CALC-C-00183, Revision 0 that capture copies of records related to the QL-2/QL-3 audits and assessments, or provide such records separately.

UUSA Response

QAPD Section 21.18, "Audits"

Section 2.2.4.4, "Detailed Basis for the Exception"

(1)(i) A summary of the audit records and relevant records are provided in Attachments 9 and 9A.

Attachment 2

Personnel Inspection Summary

Table of Contents

1.0 Summary of Inspection Personnel Review

Consistent with the QL-2 designation and program, the CRDB was constructed with the QL-2 contractor performing the Quality Control inspections. This is contrary to the QL-1G inspections required by the current license, which require that the inspection entity have an NQA-1 program for construction inspection and raises concerns about the independence and qualifications of the inspectors and thoroughness of the inspections.

Concrete placement reports for the CRDB footings and SBM-1001 footings from the same timeframe were recorded on identical forms. The SBM-1001 footings are QL-1 construction. For both the CRDB and SBM-1001 footings, three signatures were required on every line of the critical items of the pre-placement inspection. The pre-inspection is considered the critical inspection to verify that the items are correctly placed prior to concrete placement. The inspected items are signed off by a construction superintendent, an LES field/construction engineer, and a quality control inspector. For the SBM-1001, the quality control inspectors making the signoffs were LES quality control personnel qualified to the LES NQA-1 compliant program.

For the CRDB, the quality control inspections were performed by the contractor's personnel, who may not be considered independent of the personnel performing the work. The CRDB contractor did not have an NQA-1 program due to the QL-2 quality designation of the work. Therefore, for the purposes of this License Exception Request, Urenco USA will rely primarily on the independent nature of the LES qualified field and construction engineering personnel for the quality inspection verification signoffs in the work packages for verification that the installation of components meets the design requirements.

To verify that the qualifications of the LES field/construction inspectors relied upon were adequate for the inspections performed; UUSA has examined each inspection item in the pre-placement checklist. From interviews with current construction engineers familiar with each item, UUSA has verified that the inspections did not require complicated equipment, and that the personnel performing the inspections were more than adequately qualified to do these inspections required.

Examination of the qualifications of the LES field engineering personnel that performed the construction oversight for this project reveals that they all are qualified for their position, both by virtue of their official site qualification training and educational and professional background. Nearly all of the engineers involved in the early stages of this building construction had the benefit of working on the QL-1 construction of the SBM-1001 prior to the CRDB. The primary field engineer who was responsible for more than 70% of all the pre-placement signoffs was a PE with 30 years of construction background, primarily in nuclear construction.

The inspections performed were not sophisticated and the construction inspected was not intricate or complex. Considering the background of these inspection personnel, it is evident that they would be capable of performing the simple dimensional checks and witness points required by each pre-placement inspection item.

A thorough review of the work packages has been performed and is included in this submittal. A complete matrix of the inspections has been prepared, indicating the nature of the inspections performed, the equipment used to perform the inspection, the personnel performing the inspections, and their qualifications has been prepared. This information is attached, and the results of the review are summarized below. Additionally, UUSA has prepared a file with the construction engineering and inspection personnel qualifications, which is summarized in Table 1 of Attachment 3.

2.0 Concrete Placement Inspection Review

The detailed matrix of the engineering signoffs for the concrete placement critical items is contained in the table of Section 2.3.2. A detailed breakdown of each inspection item is provided in the following section. This section provides a summary of the overall review effort.

2.1. Pre-Placement Report Review

There were 53 unique concrete placements for the CRDB foundation concrete that are documented on concrete placement reports (pour cards) in Work Plans 1100-NCS-CAISSON-002, 1100-NCS-BB-FTG-001, and 1100-CIVIL-828-001 (these records are included in CALC-C-00183 in Attachment 4).

The primary signoffs that are credited in this review are the pre-placement signoffs listed in the attached matrix. The signatures of the LES field and construction engineers provide an independent and qualified verification that the items were installed properly. The inspectors are independent of the work being performed and the inspectors are technically qualified to inspect the work. Additional verification that the items installed were checked to a high degree of accuracy is provided by the Critical Attributes checklist that precedes the pre-placement signoffs. This checklist was filled out by the contractor's QC, and signed as accepted by the LES Field/Construction Engineering personnel.

2.2. Placement and Post-Placement Review

The concrete placement reports also have signoffs for certain items to be verified during placement and post-placement. The placement inspections consider weather conditions, testing agency presence, fresh concrete sampling, mix segregation due to excessive lateral movement in formwork or excessive drop height, maximum water content (when adding water at the placement location), maximum time limits prior to concrete placement, and that the truck revolution requirements are correct. All were either made by visual observations or field measurement with a tape measure prior to or during concrete placement.

The concrete post-placement inspection verifications verify the application of waterproofing, that the concrete was placed to the proper line/grade, the proper finish was applied, the proper curing was applied, and that the surface is free from defects. These inspections are also visual inspections or witness points and are not considered critical elements to the performance of the foundation system.

For the QL-1 installation in the SBM-1001, the placement and post-placement signatures were made by qualified independent QC inspectors. In the CRDB, just over 50% of these signatures were made by the field/construction engineers, with the remaining signatures made by the contractor's QC inspectors. Having contractor QC signoffs is acceptable for these verifications, since the entire concrete placement process was monitored throughout by the field engineer. Any conditions that could be considered adverse to the integrity of the concrete during the placement, such as weather conditions, concrete lift thickness, or consolidation, would have been immediately addressed by the field engineer present and documented per the UUSA Corrective Action or Non-Conformance program. Refer to Attachment 5A of CALC-C-00183 for a summary listing of nonconformances identified during construction.

2.3. Detailed Review of Pre-Placement Inspection Matrix

The detailed review of the pre-placement signatures is provided below. The inspection matrix was prepared from a review of Attachment 4 of CALC-C-00183. See page 335 of Attachment 4 to CALC-C-00183 for an example of typical pre-placement inspection documentation.

In this section, all elements of this checklist are addressed, although some elements are more significant than others. Certain signoffs from this form are of greater importance to the function of the foundation system, and their review was documented in Attachments 1A, 2A, and 3B of CALC-C-00183.

2.3.1. Assessment of Inspection Items and Signoffs from Concrete Placement Reports

1. **Surveyor to verify that layout survey is complete**-this inspection consists of a visual examination of layout survey results, and possibly a check of the layout against control lines w/ tape measure.
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. This item is a review of the layout survey results to ensure that the survey meets the requirements for the work to be performed. It is not considered a critical attribute for the performance of the foundation system. Additionally, it is noted that in QL-1 work packages (such as for the SBM-1001), this line is only signed by the field engineer or surveyor, indicating that it is not a line that requires the quality control inspection.

       This item is primarily signed by an LES field engineer or construction engineer. However, in two incidences, the contractor construction foreman signed this line, and in one case the contractor project superintendent signed for this verification. In one case, this line is blank.
    c. This review is satisfactory. The signatures of the construction personnel are sufficient for this initial survey verification.
2. **Forms- clean, coated, bracing line and grade**-this is a visual examination that forms are clean and straight.
    a. This inspection was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. This is a documentation issue, and the field engineer signed off as accepting this inspection item requirement on the critical attributes checklist, which precedes the pre-placement checklists in the placement records (Attachment 4 of CALC-C-00183) and contains a separate verification that the forms were clean and straight.
    c. For certain pours where forms were not required, such as cast against earth, this line is not applicable (N/A). All signoffs not N/A'd are by LES construction or field engineer, with the exception of one case where the contractor project superintendent signed for this verification.
    d. This item is satisfactory.
3. **Concrete Shear Connectors**- Visual verification that Nelson studs have been properly installed and tested
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. This line is applicable to Slab on Metal Deck pours. There were no such pours in the CRDB. All lines are N/A.
    c. This is satisfactory.
4. **Reinforcing Steel**-this inspection consists of checking spacing with a tape measure and performing visual examination for presence of proper design reinforcing steel and verification of rebar condition prior to concrete placement.
    a. All completed signoffs are by LES Field or Construction Engineers. Five signoffs are listed as N/A.

b. This was a documentation issue, as the critical items checklist, which precedes the pre-placement checklists in the placement records (Attachment 4 of CALC-C-00183), indicates that the rebar installation was completed and was signed off by the field engineer.
c. This review is satisfactory as indicated in CALC-C-00183.

5. **Rebar Splices**- this inspection consists of the following: check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged
   a. All completed signoffs are by LES Field or Construction Engineers Five signoffs are listed as N/A.
   b. This was a documentation issue, as the critical items checklist which precedes the pre-placement checklists in the placement records (Attachment 4 of CALC-C-00183) indicates that the rebar splice installation was completed and was signed off by the field engineer.
   c. This review is satisfactory as indicated in CALC-C-00183.
6. **Embedded Steel**- Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items
   a. All signoffs are by LES Field or Construction Engineers. 28 of 53 signoffs are listed as N/A, which indicates that no embedded steel items were present in that pour.
   b. One line does not have an FE signature, which is acceptable as documented in CALC-C-00183, since there were no embedded anchor bolts in that placement.
   c. This review is satisfactory as indicated in CALC-C-00183.
7. **Embedded Electrical**- Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items
   a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
   b. All signoffs are by qualified LES personnel, and are either Field /Construction Engineers, LES QC inspectors, or the LES Building Manager. Several signoffs are listed as N/A, which indicates that no embedded electrical items were present.
   c. This is satisfactory.
8. **Embedded Mechanical**- Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items
   a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
   b. All lines are N/A. No embedded mechanical items are present.
   c. This is satisfactory.
9. **Embedded Piping**- Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items
   a. All signoffs are by LES Field or Construction Engineers. Several signoffs are listed as N/A, which indicates that no embedded piping was present. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
   b. This is satisfactory.
10. **Waterstop**- Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop
    a. Waterstops were not part of the footing concrete pours. All lines are N/A.
    b. This is satisfactory.

11. **Welding and NDE**- Perform visual examination of design welded items and review of weld workplans
    a. There were no welded items in the CRDB footing concrete pours. All lines are N/A.
    b. This is satisfactory.
12. **Construction Joints**- Perform visual examination of construction joint placement- Use tape measure to verify that they are in the right location.
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by LES Field/Construction Engineers, or the LES Construction Coordinator. Several signoffs are listed as N/A, indicating that the pours did not require construction joint prep.
    c. This is satisfactory.
13. **Internal Inspections Complete/Formwork can be closed up**- Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup
    a. This item is an intermediate signoff, and was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by LES Field/Construction Engineers. 14 of 53 signoffs are listed as N/A, indicating that the pours did not require an intermediate step for this activity.
    c. This is satisfactory.
14. **Final Clean-Up, Weather Protection**
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by LES Field/Construction Engineers. 20 of 53 signoffs are listed as N/A, such as for the caissons, indicating that the pours did not require an intermediate step for this activity.
    c. This is satisfactory.
15. **Moisten Existing Concrete and Soil**- Witness point-visual verification
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by LES Field/Construction Engineers.
    c. This is satisfactory.
16. **FE to Review Drawings for Changes**- Visual Review & Research for ECRs, NCRs
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by qualified LES personnel, and are Field /Construction Engineers or the LES Building Manager. One item was not on the card, therefore no signoff was present. This is a documentation issue, and the Supplemental Concrete Placement Data form that precedes this form lists the applicable ECRs to this pour with the LES field engineer signature. This ensures that revisions to the design drawings were considered prior to concrete placement.
    c. This is satisfactory.
17. **Pre-Placement Plan reviewed with Work Crew**-this is a pre-placement briefing
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by qualified LES personnel, and are Field /Construction Engineers.
    c. This is satisfactory.

18. **Release for Placement-** Signoff that Card is Complete
    a. This item was not considered a critical attribute to ultimate footing performance in CALC-C-00183.
    b. All signoffs are by qualified LES personnel, and are Field /Construction Engineers. One line is Blank. This is a documentation issue, and is acceptable for this final signoff, as there are signatures by the responsible field engineer on all the preceding steps prior to this signoff.
    c. This is satisfactory.

2.3.2. Inspection Matrix

The inspection matrix is contained in Attachment 2A on the following 117 pages.

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
1	7/7/2008	1100-V1D-5.7	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
2	7/7/2008	1100-V1D-5.7	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
3	7/7/2008	1100-V1D-5.7	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
4	7/7/2008	1100-V1D-5.7	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
5	7/7/2008	1100-V1D-5.7	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
6	7/7/2008	1100-V1D-5.7	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
7	7/7/2008	1100-V1D-5.7	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
8	7/7/2008	1100-V1D-5.7	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
9	7/7/2008	1100-V1D-5.7	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
10	7/7/2008	1100-V1D-5.7	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
11	7/7/2008	1100-V1D-5.7	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
12	7/7/2008	1100-V1D-5.7	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
13	7/7/2008	1100-V1D-5.7	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
14	7/7/2008	1100-V1D-5.7	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
15	7/7/2008	1100-V1D-5.7	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
16	7/7/2008	1100-V1D-5.7	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
17	7/7/2008	1100-V1D-5.7	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
18	7/7/2008	1100-V1D-5.7	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
19	7/7/2008	1100-V1D-6.7	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
20	7/7/2008	1100-V1D-6.7	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
21	7/7/2008	1100-V1D-6.7	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
22	7/7/2008	1100-V1D-6.7	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
23	7/7/2008	1100-V1D-6.7	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
24	7/7/2008	1100-V1D-6.7	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
25	7/7/2008	1100-V1D-6.7	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
26	7/7/2008	1100-V1D-6.7	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
27	7/7/2008	1100-V1D-6.7	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
28	7/7/2008	1100-V1D-6.7	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
29	7/7/2008	1100-V1D-6.7	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
30	7/7/2008	1100-V1D-6.7	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
31	7/7/2008	1100-V1D-6.7	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
32	7/7/2008	1100-V1D-6.7	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
33	7/7/2008	1100-V1D-6.7	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
34	7/7/2008	1100-V1D-6.7	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
35	7/7/2008	1100-V1D-6.7	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
36	7/7/2008	1100-V1D-6.7	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
37	7/7/2008	1100-V1D-7.7	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
38	7/7/2008	1100-V1D-7.7	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
39	7/7/2008	1100-V1D-7.7	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
40	7/7/2008	1100-V1D-7.7	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
41	7/7/2008	1100-V1D-7.7	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
42	7/7/2008	1100-V1D-7.7	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
43	7/7/2008	1100-V1D-7.7	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
44	7/7/2008	1100-V1D-7.7	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
45	7/7/2008	1100-V1D-7.7	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
46	7/7/2008	1100-V1D-7.7	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
47	7/7/2008	1100-V1D-7.7	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
48	7/7/2008	1100-V1D-7.7	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
49	7/7/2008	1100-V1D-7.7	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
50	7/7/2008	1100-V1D-7.7	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
51	7/7/2008	1100-V1D-7.7	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
52	7/7/2008	1100-V1D-7.7	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
53	7/7/2008	1100-V1D-7.7	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
54	7/7/2008	1100-V1D-7.7	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
55	7/7/2008	1100-V1D-8.7	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
56	7/7/2008	1100-V1D-8.7	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
57	7/7/2008	1100-V1D-8.7	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
58	7/7/2008	1100-V1D-8.7	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
59	7/7/2008	1100-V1D-8.7	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
60	7/7/2008	1100-V1D-8.7	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
61	7/7/2008	1100-V1D-8.7	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
62	7/7/2008	1100-V1D-8.7	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
63	7/7/2008	1100-V1D-8.7	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
64	7/7/2008	1100-V1D-8.7	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
65	7/7/2008	1100-V1D-8.7	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
66	7/7/2008	1100-V1D-8.7	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
67	7/7/2008	1100-V1D-8.7	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
68	7/7/2008	1100-V1D-8.7	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
69	7/7/2008	1100-V1D-8.7	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
70	7/7/2008	1100-V1D-8.7	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
71	7/7/2008	1100-V1D-8.7	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
72	7/7/2008	1100-V1D-8.7	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
73	7/3/2008	1100-V1D-9.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
74	7/3/2008	1100-V1D-9.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
75	7/3/2008	1100-V1D-9.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
76	7/3/2008	1100-V1D-9.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
77	7/3/2008	1100-V1D-9.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
78	7/3/2008	1100-V1D-9.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
79	7/3/2008	1100-V1D-9.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
80	7/3/2008	1100-V1D-9.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
81	7/3/2008	1100-V1D-9.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
82	7/3/2008	1100-V1D-9.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
83	7/3/2008	1100-V1D-9.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
84	7/3/2008	1100-V1D-9.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
85	7/3/2008	1100-V1D-9.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
86	7/3/2008	1100-V1D-9.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
87	7/3/2008	1100-V1D-9.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
88	7/3/2008	1100-V1D-9.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
89	7/3/2008	1100-V1D-9.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
90	7/3/2008	1100-V1D-9.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
91	7/3/2008	1100-V1D-10.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
92	7/3/2008	1100-V1D-10.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
93	7/3/2008	1100-V1D-10.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
94	7/3/2008	1100-V1D-10.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
95	7/3/2008	1100-V1D-10.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
96	7/3/2008	1100-V1D-10.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
97	7/3/2008	1100-V1D-10.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
98	7/3/2008	1100-V1D-10.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
99	7/3/2008	1100-V1D-10.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
100	7/3/2008	1100-V1D-10.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
101	7/3/2008	1100-V1D-10.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
102	7/3/2008	1100-V1D-10.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
103	7/3/2008	1100-V1D-10.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
104	7/3/2008	1100-V1D-10.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
105	7/3/2008	1100-V1D-10.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
106	7/3/2008	1100-V1D-10.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
107	7/3/2008	1100-V1D-10.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
108	7/3/2008	1100-V1D-10.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
109	7/3/2008	1100-V1D-11.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
110	7/3/2008	1100-V1D-11.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
111	7/3/2008	1100-V1D-11.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
112	7/3/2008	1100-V1D-11.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
113	7/3/2008	1100-V1D-11.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
114	7/3/2008	1100-V1D-11.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
115	7/3/2008	1100-V1D-11.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
116	7/3/2008	1100-V1D-11.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
117	7/3/2008	1100-V1D-11.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
118	7/3/2008	1100-V1D-11.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
119	7/3/2008	1100-V1D-11.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
120	7/3/2008	1100-V1D-11.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
121	7/3/2008	1100-V1D-11.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
122	7/3/2008	1100-V1D-11.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
123	7/3/2008	1100-V1D-11.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
124	7/3/2008	1100-V1D-11.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
125	7/3/2008	1100-V1D-11.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
126	7/3/2008	1100-V1D-11.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
127	7/3/2008	1100-V1D-12.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
128	7/3/2008	1100-V1D-12.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
129	7/3/2008	1100-V1D-12.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
130	7/3/2008	1100-V1D-12.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
131	7/3/2008	1100-V1D-12.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
132	7/3/2008	1100-V1D-12.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
133	7/3/2008	1100-V1D-12.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
134	7/3/2008	1100-V1D-12.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
135	7/3/2008	1100-V1D-12.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
136	7/3/2008	1100-V1D-12.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
137	7/3/2008	1100-V1D-12.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
138	7/3/2008	1100-V1D-12.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
139	7/3/2008	1100-V1D-12.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
140	7/3/2008	1100-V1D-12.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
141	7/3/2008	1100-V1D-12.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
142	7/3/2008	1100-V1D-12.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
143	7/3/2008	1100-V1D-12.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
144	7/3/2008	1100-V1D-12.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
145	7/3/2008	1100-V1D-13.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
146	7/3/2008	1100-V1D-13.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
147	7/3/2008	1100-V1D-13.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
148	7/3/2008	1100-V1D-13.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
149	7/3/2008	1100-V1D-13.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
150	7/3/2008	1100-V1D-13.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
151	7/3/2008	1100-V1D-13.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
152	7/3/2008	1100-V1D-13.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
153	7/3/2008	1100-V1D-13.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
154	7/3/2008	1100-V1D-13.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
155	7/3/2008	1100-V1D-13.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
156	7/3/2008	1100-V1D-13.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
157	7/3/2008	1100-V1D-13.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
158	7/3/2008	1100-V1D-13.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
159	7/3/2008	1100-V1D-13.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
160	7/3/2008	1100-V1D-13.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
161	7/3/2008	1100-V1D-13.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
162	7/3/2008	1100-V1D-13.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
163	6/27/2008	1100-V1D-15.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
164	6/27/2008	1100-V1D-15.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
165	6/27/2008	1100-V1D-15.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
166	6/27/2008	1100-V1D-15.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
167	6/27/2008	1100-V1D-15.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
168	6/27/2008	1100-V1D-15.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
169	6/27/2008	1100-V1D-15.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
170	6/27/2008	1100-V1D-15.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
171	6/27/2008	1100-V1D-15.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
172	6/27/2008	1100-V1D-15.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
173	6/27/2008	1100-V1D-15.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
174	6/27/2008	1100-V1D-15.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
175	6/27/2008	1100-V1D-15.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
176	6/27/2008	1100-V1D-15.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
177	6/27/2008	1100-V1D-15.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
178	6/27/2008	1100-V1D-15.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
179	6/27/2008	1100-V1D-15.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
180	6/27/2008	1100-V1D-15.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
181	7/3/2008	1100-V1D-14.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
182	7/3/2008	1100-V1D-14.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
183	7/3/2008	1100-V1D-14.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
184	7/3/2008	1100-V1D-14.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
185	7/3/2008	1100-V1D-14.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
186	7/3/2008	1100-V1D-14.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
187	7/3/2008	1100-V1D-14.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
188	7/3/2008	1100-V1D-14.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
189	7/3/2008	1100-V1D-14.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
190	7/3/2008	1100-V1D-14.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
191	7/3/2008	1100-V1D-14.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
192	7/3/2008	1100-V1D-14.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
193	7/3/2008	1100-V1D-14.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
194	7/3/2008	1100-V1D-14.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
195	7/3/2008	1100-V1D-14.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
196	7/3/2008	1100-V1D-14.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
197	7/3/2008	1100-V1D-14.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
198	7/3/2008	1100-V1D-14.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
199	7/3/2008	1100-V1D-16.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
200	7/3/2008	1100-V1D-16.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
201	7/3/2008	1100-V1D-16.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
202	7/3/2008	1100-V1D-16.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
203	7/3/2008	1100-V1D-16.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
204	7/3/2008	1100-V1D-16.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
205	7/3/2008	1100-V1D-16.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
206	7/3/2008	1100-V1D-16.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
207	7/3/2008	1100-V1D-16.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
208	7/3/2008	1100-V1D-16.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
209	7/3/2008	1100-V1D-16.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
210	7/3/2008	1100-V1D-16.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
211	7/3/2008	1100-V1D-16.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
212	7/3/2008	1100-V1D-16.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
213	7/3/2008	1100-V1D-16.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
214	7/3/2008	1100-V1D-16.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
215	7/3/2008	1100-V1D-16.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
216	7/3/2008	1100-V1D-16.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
217	6/26/2008	1100-V1D-17.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
218	6/26/2008	1100-V1D-17.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
219	6/26/2008	1100-V1D-17.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
220	6/26/2008	1100-V1D-17.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
221	6/26/2008	1100-V1D-17.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
222	6/26/2008	1100-V1D-17.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
223	6/26/2008	1100-V1D-17.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
224	6/26/2008	1100-V1D-17.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
225	6/26/2008	1100-V1D-17.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
226	6/26/2008	1100-V1D-17.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
227	6/26/2008	1100-V1D-17.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
228	6/26/2008	1100-V1D-17.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
229	6/26/2008	1100-V1D-17.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
230	6/26/2008	1100-V1D-17.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
231	6/26/2008	1100-V1D-17.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
232	6/26/2008	1100-V1D-17.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
233	6/26/2008	1100-V1D-17.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
234	6/26/2008	1100-V1D-17.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
235	6/26/2008	1100-V1D-18.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
236	6/26/2008	1100-V1D-18.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
237	6/26/2008	1100-V1D-18.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
238	6/26/2008	1100-V1D-18.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
239	6/26/2008	1100-V1D-18.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
240	6/26/2008	1100-V1D-18.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
241	6/26/2008	1100-V1D-18.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
242	6/26/2008	1100-V1D-18.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
243	6/26/2008	1100-V1D-18.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
244	6/26/2008	1100-V1D-18.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
245	6/26/2008	1100-V1D-18.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
246	6/26/2008	1100-V1D-18.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
247	6/26/2008	1100-V1D-18.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
248	6/26/2008	1100-V1D-18.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
249	6/26/2008	1100-V1D-18.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
250	6/26/2008	1100-V1D-18.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
251	6/26/2008	1100-V1D-18.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
252	6/26/2008	1100-V1D-18.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
253	6/27/2008	1100-V1D-19.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
254	6/27/2008	1100-V1D-19.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
255	6/27/2008	1100-V1D-19.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
256	6/27/2008	1100-V1D-19.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
257	6/27/2008	1100-V1D-19.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
258	6/27/2008	1100-V1D-19.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
259	6/27/2008	1100-V1D-19.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
260	6/27/2008	1100-V1D-19.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
261	6/27/2008	1100-V1D-19.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
262	6/27/2008	1100-V1D-19.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
263	6/27/2008	1100-V1D-19.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
264	6/27/2008	1100-V1D-19.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
265	6/27/2008	1100-V1D-19.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
266	6/27/2008	1100-V1D-19.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
267	6/27/2008	1100-V1D-19.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
268	6/27/2008	1100-V1D-19.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
269	6/27/2008	1100-V1D-19.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
270	6/27/2008	1100-V1D-19.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
271	6/27/2008	1100-V1D-20.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
272	6/27/2008	1100-V1D-20.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
273	6/27/2008	1100-V1D-20.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
274	6/27/2008	1100-V1D-20.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
275	6/27/2008	1100-V1D-20.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
276	6/27/2008	1100-V1D-20.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
277	6/27/2008	1100-V1D-20.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
278	6/27/2008	1100-V1D-20.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
279	6/27/2008	1100-V1D-20.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
280	6/27/2008	1100-V1D-20.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
281	6/27/2008	1100-V1D-20.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
282	6/27/2008	1100-V1D-20.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
283	6/27/2008	1100-V1D-20.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
284	6/27/2008	1100-V1D-20.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
285	6/27/2008	1100-V1D-20.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
286	6/27/2008	1100-V1D-20.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
287	6/27/2008	1100-V1D-20.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
288	6/27/2008	1100-V1D-20.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
289	6/26/2008	1100-V1D-21.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
290	6/26/2008	1100-V1D-21.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
291	6/26/2008	1100-V1D-21.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
292	6/26/2008	1100-V1D-21.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
293	6/26/2008	1100-V1D-21.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
294	6/26/2008	1100-V1D-21.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
295	6/26/2008	1100-V1D-21.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
296	6/26/2008	1100-V1D-21.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
297	6/26/2008	1100-V1D-21.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
298	6/26/2008	1100-V1D-21.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
299	6/26/2008	1100-V1D-21.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
300	6/26/2008	1100-V1D-21.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
301	6/26/2008	1100-V1D-21.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
302	6/26/2008	1100-V1D-21.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
303	6/26/2008	1100-V1D-21.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
304	6/26/2008	1100-V1D-21.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
305	6/26/2008	1100-V1D-21.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
306	6/26/2008	1100-V1D-21.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
307	6/26/2008	1100-V1D-22.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
308	6/26/2008	1100-V1D-22.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
309	6/26/2008	1100-V1D-22.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
310	6/26/2008	1100-V1D-22.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
311	6/26/2008	1100-V1D-22.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
312	6/26/2008	1100-V1D-22.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
313	6/26/2008	1100-V1D-22.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
314	6/26/2008	1100-V1D-22.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
315	6/26/2008	1100-V1D-22.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
316	6/26/2008	1100-V1D-22.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
317	6/26/2008	1100-V1D-22.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
318	6/26/2008	1100-V1D-22.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
319	6/26/2008	1100-V1D-22.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
320	6/26/2008	1100-V1D-22.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
321	6/26/2008	1100-V1D-22.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
322	6/26/2008	1100-V1D-22.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
323	6/26/2008	1100-V1D-22.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
324	6/26/2008	1100-V1D-22.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
325	6/25/2008	1100-V1D-23.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	BLANK	
326	6/25/2008	1100-V1D-23.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A
327	6/25/2008	1100-V1D-23.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
328	6/25/2008	1100-V1D-23.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
329	6/25/2008	1100-V1D-23.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
330	6/25/2008	1100-V1D-23.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
331	6/25/2008	1100-V1D-23.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
332	6/25/2008	1100-V1D-23.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
333	6/25/2008	1100-V1D-23.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
334	6/25/2008	1100-V1D-23.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
335	6/25/2008	1100-V1D-23.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
336	6/25/2008	1100-V1D-23.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
337	6/25/2008	1100-V1D-23.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
338	6/25/2008	1100-V1D-23.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
339	6/25/2008	1100-V1D-23.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
340	6/25/2008	1100-V1D-23.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
341	6/25/2008	1100-V1D-23.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
342	6/25/2008	1100-V1D-23.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
343	6/24/2008	1100-V1D-24.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
344	6/24/2008	1100-V1D-24.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
345	6/24/2008	1100-V1D-24.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
346	6/24/2008	1100-V1D-24.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
347	6/24/2008	1100-V1D-24.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
348	6/24/2008	1100-V1D-24.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
349	6/24/2008	1100-V1D-24.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
350	6/24/2008	1100-V1D-24.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
351	6/24/2008	1100-V1D-24.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
352	6/24/2008	1100-V1D-24.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
353	6/24/2008	1100-V1D-24.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
354	6/24/2008	1100-V1D-24.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
355	6/24/2008	1100-V1D-24.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
356	6/24/2008	1100-V1D-24.8	Final Clean-Up, Weather Protection	Visual examination	None	N/A	N/A
357	6/24/2008	1100-V1D-24.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
358	6/24/2008	1100-V1D-24.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
359	6/24/2008	1100-V1D-24.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
360	6/24/2008	1100-V1D-24.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
361	8/16/2008	1100-25.8-33.3-C33	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
362	8/16/2008	1100-25.8-33.3-C33	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
363	8/16/2008	1100-25.8-33.3-C33	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
364	8/16/2008	1100-25.8-33.3-C33	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
365	8/16/2008	1100-25.8-33.3-C33	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
366	8/16/2008	1100-25.8-33.3-C33	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
367	8/16/2008	1100-25.8-33.3-C33	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
368	8/16/2008	1100-25.8-33.3-C33	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
369	8/16/2008	1100-25.8-33.3-C33	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
370	8/16/2008	1100-25.8-33.3-C33	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
371	8/16/2008	1100-25.8-33.3-C33	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
372	8/16/2008	1100-25.8-33.3-C33	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
373	8/16/2008	1100-25.8-33.3-C33	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
374	8/16/2008	1100-25.8-33.3-C33	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
375	8/16/2008	1100-25.8-33.3-C33	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
376	8/16/2008	1100-25.8-33.3-C33	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
377	8/16/2008	1100-25.8-33.3-C33	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
378	8/16/2008	1100-25.8-33.3-C33	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
379	9/18/2008	CRDB-1100-014	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Neil Kaneshiro	LES Field Engineer
380	9/18/2008	CRDB-1100-014	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Neil Kaneshiro	LES Field Engineer
381	9/18/2008	CRDB-1100-014	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
382	9/18/2008	CRDB-1100-014	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Neil Kaneshiro	LES Field Engineer
383	9/18/2008	CRDB-1100-014	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Neil Kaneshiro	LES Field Engineer
384	9/18/2008	CRDB-1100-014	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	Neil Kaneshiro	LES Field Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
385	9/18/2008	CRDB-1100-014	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Neil Kaneshiro	LES Field Engineer
386	9/18/2008	CRDB-1100-014	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
387	9/18/2008	CRDB-1100-014	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
388	9/18/2008	CRDB-1100-014	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
389	9/18/2008	CRDB-1100-014	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
390	9/18/2008	CRDB-1100-014	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
391	9/18/2008	CRDB-1100-014	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	Neil Kaneshiro	LES Field Engineer
392	9/18/2008	CRDB-1100-014	Final Clean-Up, Weather Protection	Visual examination	None	Sergio Pardo-Palencia	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
393	9/18/2008	CRDB-1100-014	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Sergio Pardo-Palencia	LES Construction Engineer
394	9/18/2008	CRDB-1100-014	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Neil Kaneshiro	LES Field Engineer
395	9/18/2008	CRDB-1100-014	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Neil Kaneshiro	LES Field Engineer
396	9/18/2008	CRDB-1100-014	Release for Placement	Signoff that Card is Complete	None	Neil Kaneshiro	LES Field Engineer
397	9/13/2008	CRDB-1100-013	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Neil Kaneshiro	LES Field Engineer
398	9/13/2008	CRDB-1100-013	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Maxwell Melvin	LES Field Engineer
399	9/13/2008	CRDB-1100-013	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
400	9/13/2008	CRDB-1100-013	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Neil Kaneshiro	LES Field Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
401	9/13/2008	CRDB-1100-013	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Maxwell Melvin	LES Field Engineer
402	9/13/2008	CRDB-1100-013	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	Neil Kaneshiro	LES Field Engineer
403	9/13/2008	CRDB-1100-013	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Maxwell Melvin	LES Field Engineer
404	9/13/2008	CRDB-1100-013	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
405	9/13/2008	CRDB-1100-013	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
406	9/13/2008	CRDB-1100-013	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
407	9/13/2008	CRDB-1100-013	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
408	9/13/2008	CRDB-1100-013	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
409	9/13/2008	CRDB-1100-013	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	Maxwell Melvin	LES Field Engineer
410	9/13/2008	CRDB-1100-013	Final Clean-Up, Weather Protection	Visual examination	None	Maxwell Melvin	LES Field Engineer
411	9/13/2008	CRDB-1100-013	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Maxwell Melvin	LES Field Engineer
412	9/13/2008	CRDB-1100-013	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Neil Kaneshiro	LES Field Engineer
413	9/13/2008	CRDB-1100-013	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Maxwell Melvin	LES Field Engineer
414	9/13/2008	CRDB-1100-013	Release for Placement	Signoff that Card is Complete	None	Maxwell Melvin	LES Field Engineer
415	10/2/2008	1100-PS-33.3 FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
416	10/2/2008	1100-PS-33.3 FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
417	10/2/2008	1100-PS-33.3 FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
418	10/2/2008	1100-PS-33.3 FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
419	10/2/2008	1100-PS-33.3 FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
420	10/2/2008	1100-PS-33.3 FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
421	10/2/2008	1100-PS-33.3 FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
422	10/2/2008	1100-PS-33.3 FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
423	10/2/2008	1100-PS-33.3 FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
424	10/2/2008	1100-PS-33.3 FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
425	10/2/2008	1100-PS-33.3 FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
426	10/2/2008	1100-PS-33.3 FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
427	10/2/2008	1100-PS-33.3 FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
428	10/2/2008	1100-PS-33.3 FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
429	10/2/2008	1100-PS-33.3 FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
430	10/2/2008	1100-PS-33.3 FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
431	10/2/2008	1100-PS-33.3 FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
432	10/2/2008	1100-PS-33.3 FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
433	10/25/2008	1100-FTG-24.8/PS-1	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Jesse Granado	Contractor Project Superintendent-Concrete
434	10/25/2008	1100-FTG-24.8/PS-1	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Jesse Granado	N/A
435	10/25/2008	1100-FTG-24.8/PS-1	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
436	10/25/2008	1100-FTG-24.8/PS-1	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Raymundo Olivas	LES Construction Engineer
437	10/25/2008	1100-FTG-24.8/PS-1	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Raymundo Olivas	LES Construction Engineer
438	10/25/2008	1100-FTG-24.8/PS-1	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	Raymundo Olivas	LES Construction Engineer
439	10/25/2008	1100-FTG-24.8/PS-1	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Edward Schulte	LES Building Manager
440	10/25/2008	1100-FTG-24.8/PS-1	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
441	10/25/2008	1100-FTG-24.8/PS-1	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
442	10/25/2008	1100-FTG-24.8/PS-1	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
443	10/25/2008	1100-FTG-24.8/PS-1	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
444	10/25/2008	1100-FTG-24.8/PS-1	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
445	10/25/2008	1100-FTG-24.8/PS-1	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
446	10/25/2008	1100-FTG-24.8/PS-1	Final Clean-Up, Weather Protection	Visual examination	None	Raymundo Olivas	LES Construction Engineer
447	10/25/2008	1100-FTG-24.8/PS-1	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Raymundo Olivas	LES Construction Engineer
448	10/25/2008	1100-FTG-24.8/PS-1	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Edward Schulte	LES Building Manager

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
449	10/25/2008	1100-FTG-24.8/PS-1	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Raymundo Olivas	LES Construction Engineer
450	10/25/2008	1100-FTG-24.8/PS-1	Release for Placement	Signoff that Card is Complete	None	Raymundo Olivas	LES Construction Engineer
451	11/7/2008	1100-FTG-L/20.-24.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Gonzalo Villalobos	Contractor Concrete Construction Foreman
452	11/7/2008	1100-FTG-L/20.-24.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Raymundo Olivas	LES Construction Engineer
453	11/7/2008	1100-FTG-L/20.-24.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
454	11/7/2008	1100-FTG-L/20.-24.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Raymundo Olivas	LES Construction Engineer
455	11/7/2008	1100-FTG-L/20.-24.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Raymundo Olivas	LES Construction Engineer
456	11/7/2008	1100-FTG-L/20.-24.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	Raymundo Olivas	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
457	11/7/2008	1100-FTG-L/20.-24.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Tom Weatherston	LES QC Inspector
458	11/7/2008	1100-FTG-L/20.-24.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
459	11/7/2008	1100-FTG-L/20.-24.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
460	11/7/2008	1100-FTG-L/20.-24.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
461	11/7/2008	1100-FTG-L/20.-24.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
462	11/7/2008	1100-FTG-L/20.-24.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	Raymundo Olivas	LES Construction Engineer
463	11/7/2008	1100-FTG-L/20.-24.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
464	11/7/2008	1100-FTG-L/20.-24.8	Final Clean-Up, Weather Protection	Visual examination	None	Raymundo Olivas	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
465	11/7/2008	1100-FTG-L/20.-24.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Raymundo Olivas	LES Construction Engineer
466	11/7/2008	1100-FTG-L/20.-24.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Edward Schulte	LES Building Manager
467	11/7/2008	1100-FTG-L/20.-24.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Raymundo Olivas	LES Construction Engineer
468	11/7/2008	1100-FTG-L/20.-24.8	Release for Placement	Signoff that Card is Complete	None	Raymundo Olivas	LES Construction Engineer
469	11/1/2008	1100-FTG-V.1/25.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Gonzalo Villalobos	Contractor Concrete Construction Foreman
470	11/1/2008	1100-FTG-V.1/25.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Raymundo Olivas	LES Construction Engineer
471	11/1/2008	1100-FTG-V.1/25.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
472	11/1/2008	1100-FTG-V.1/25.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Raymundo Olivas	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
473	11/1/2008	1100-FTG-V.1/25.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Raymundo Olivas	LES Construction Engineer
474	11/1/2008	1100-FTG-V.1/25.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	Raymundo Olivas	LES Construction Engineer
475	11/1/2008	1100-FTG-V.1/25.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
476	11/1/2008	1100-FTG-V.1/25.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
477	11/1/2008	1100-FTG-V.1/25.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	Raymundo Olivas	LES Construction Engineer
478	11/1/2008	1100-FTG-V.1/25.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
479	11/1/2008	1100-FTG-V.1/25.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
480	11/1/2008	1100-FTG-V.1/25.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	Raymundo Olivas	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
481	11/1/2008	1100-FTG-V.1/25.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	Raymundo Olivas	LES Construction Engineer
482	11/1/2008	1100-FTG-V.1/25.8	Final Clean-Up, Weather Protection	Visual examination	None	Raymundo Olivas	LES Construction Engineer
483	11/1/2008	1100-FTG-V.1/25.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Raymundo Olivas	LES Construction Engineer
484	11/1/2008	1100-FTG-V.1/25.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Edward Schulte	LES Building Manager
485	11/1/2008	1100-FTG-V.1/25.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Raymundo Olivas	LES Construction Engineer
486	11/1/2008	1100-FTG-V.1/25.8	Release for Placement	Signoff that Card is Complete	None	Raymundo Olivas	LES Construction Engineer
487	9/30/2008	1100-31.9-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
488	9/30/2008	1100-31.9-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
489	9/30/2008	1100-31.9-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
490	9/30/2008	1100-31.9-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
491	9/30/2008	1100-31.9-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
492	9/30/2008	1100-31.9-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
493	9/30/2008	1100-31.9-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
494	9/30/2008	1100-31.9-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
495	9/30/2008	1100-31.9-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
496	9/30/2008	1100-31.9-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
497	9/30/2008	1100-31.9-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
498	9/30/2008	1100-31.9-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
499	9/30/2008	1100-31.9-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
500	9/30/2008	1100-31.9-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
501	9/30/2008	1100-31.9-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
502	9/30/2008	1100-31.9-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
503	9/30/2008	1100-31.9-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
504	9/30/2008	1100-31.9-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
505	10/21/2008	1100-FTG-33.3/S.1-U.5	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Raymundo Olivas	LES Construction Engineer
506	10/21/2008	1100-FTG-33.3/S.1-U.5	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Raymundo Olivas	LES Construction Engineer
507	10/21/2008	1100-FTG-33.3/S.1-U.5	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
508	10/21/2008	1100-FTG-33.3/S.1-U.5	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Raymundo Olivas	LES Construction Engineer
509	10/21/2008	1100-FTG-33.3/S.1-U.5	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Raymundo Olivas	LES Construction Engineer
510	10/21/2008	1100-FTG-33.3/S.1-U.5	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
511	10/21/2008	1100-FTG-33.3/S.1-U.5	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
512	10/21/2008	1100-FTG-33.3/S.1-U.5	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
513	10/21/2008	1100-FTG-33.3/S.1-U.5	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
514	10/21/2008	1100-FTG-33.3/S.1-U.5	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
515	10/21/2008	1100-FTG-33.3/S.1-U.5	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
516	10/21/2008	1100-FTG-33.3/S.1-U.5	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	Don Thorp	LES Construction Coordinator
517	10/21/2008	1100-FTG-33.3/S.1-U.5	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
518	10/21/2008	1100-FTG-33.3/S.1-U.5	Final Clean-Up, Weather Protection	Visual examination	None	Raymundo Olivas	LES Construction Engineer
519	10/21/2008	1100-FTG-33.3/S.1-U.5	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Raymundo Olivas	LES Construction Engineer
520	10/21/2008	1100-FTG-33.3/S.1-U.5	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Raymundo Olivas	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
521	10/21/2008	1100-FTG-33.3/S.1-U.5	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Raymundo Olivas	LES Construction Engineer
522	10/21/2008	1100-FTG-33.3/S.1-U.5	Release for Placement	Signoff that Card is Complete	None	Raymundo Olivas	LES Construction Engineer
523	11/1/2008	1100-SW-33.3/S.1-U.5	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Herb Taylor	LES Field Engineer
524	11/1/2008	1100-SW-33.3/S.1-U.5	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Herb Taylor	LES Field Engineer
525	11/1/2008	1100-SW-33.3/S.1-U.5	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
526	11/1/2008	1100-SW-33.3/S.1-U.5	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Herb Taylor	LES Field Engineer
527	11/1/2008	1100-SW-33.3/S.1-U.5	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Herb Taylor	LES Field Engineer
528	11/1/2008	1100-SW-33.3/S.1-U.5	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
529	11/1/2008	1100-SW-33.3/S.1-U.5	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
530	11/1/2008	1100-SW-33.3/S.1-U.5	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
531	11/1/2008	1100-SW-33.3/S.1-U.5	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	Herb Taylor	LES Field Engineer
532	11/1/2008	1100-SW-33.3/S.1-U.5	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
533	11/1/2008	1100-SW-33.3/S.1-U.5	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
534	11/1/2008	1100-SW-33.3/S.1-U.5	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	Herb Taylor	LES Field Engineer
535	11/1/2008	1100-SW-33.3/S.1-U.5	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
536	11/1/2008	1100-SW-33.3/S.1-U.5	Final Clean-Up, Weather Protection	Visual examination	None	Herb Taylor	LES Field Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
537	11/1/2008	1100-SW-33.3/S.1-U.5	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Herb Taylor	LES Field Engineer
538	11/1/2008	1100-SW-33.3/S.1-U.5	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Herb Taylor	LES Field Engineer
539	11/1/2008	1100-SW-33.3/S.1-U.5	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Herb Taylor	LES Field Engineer
540	11/1/2008	1100-SW-33.3/S.1-U.5	Release for Placement	Signoff that Card is Complete	None	Herb Taylor	LES Field Engineer
541	10/10/2008	1100-V.1-33.3-26.9-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
542	10/10/2008	1100-V.1-33.3-26.9-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
543	10/10/2008	1100-V.1-33.3-26.9-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
544	10/10/2008	1100-V.1-33.3-26.9-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
545	10/10/2008	1100-V.1-33.3-26.9-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
546	10/10/2008	1100-V.1-33.3-26.9-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
547	10/10/2008	1100-V.1-33.3-26.9-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	N/A	N/A
548	10/10/2008	1100-V.1-33.3-26.9-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
549	10/10/2008	1100-V.1-33.3-26.9-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
550	10/10/2008	1100-V.1-33.3-26.9-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
551	10/10/2008	1100-V.1-33.3-26.9-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
552	10/10/2008	1100-V.1-33.3-26.9-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
553	10/10/2008	1100-V.1-33.3-26.9-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
554	10/10/2008	1100-V.1-33.3-26.9-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
555	10/10/2008	1100-V.1-33.3-26.9-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
556	10/10/2008	1100-V.1-33.3-26.9-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
557	10/10/2008	1100-V.1-33.3-26.9-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
558	10/10/2008	1100-V.1-33.3-26.9-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
559	9/20/2008	CRDB-1100-015	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	Neil Kaneshiro	LES Field Engineer
560	9/20/2008	CRDB-1100-015	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	Neil Kaneshiro	LES Field Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
561	9/20/2008	CRDB-1100-015	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
562	9/20/2008	CRDB-1100-015	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	Neil Kaneshiro	LES Field Engineer
563	9/20/2008	CRDB-1100-015	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	Neil Kaneshiro	LES Field Engineer
564	9/20/2008	CRDB-1100-015	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
565	9/20/2008	CRDB-1100-015	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Edward Schulte	LES Building Manager
566	9/20/2008	CRDB-1100-015	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
567	9/20/2008	CRDB-1100-015	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
568	9/20/2008	CRDB-1100-015	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
569	9/20/2008	CRDB-1100-015	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
570	9/20/2008	CRDB-1100-015	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
571	9/20/2008	CRDB-1100-015	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	Neil Kaneshiro	LES Field Engineer
572	9/20/2008	CRDB-1100-015	Final Clean-Up, Weather Protection	Visual examination	None	Raymundo Olivas	LES Construction Engineer
573	9/20/2008	CRDB-1100-015	Moisten Existing Concrete and Soil	Witness point-visual verification	None	Raymundo Olivas	LES Construction Engineer
574	9/20/2008	CRDB-1100-015	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	Neil Kaneshiro	LES Field Engineer
575	9/20/2008	CRDB-1100-015	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	Neil Kaneshiro	LES Field Engineer
576	9/20/2008	CRDB-1100-015	Release for Placement	Signoff that Card is Complete	None	Raymundo Olivas	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
577	11/26/2008	1100-FTG-L19.8-L13.8	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
578	11/26/2008	1100-FTG-L19.8-L13.8	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
579	11/26/2008	1100-FTG-L19.8-L13.8	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
580	11/26/2008	1100-FTG-L19.8-L13.8	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
581	11/26/2008	1100-FTG-L19.8-L13.8	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
582	11/26/2008	1100-FTG-L19.8-L13.8	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
583	11/26/2008	1100-FTG-L19.8-L13.8	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
584	11/26/2008	1100-FTG-L19.8-L13.8	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
585	11/26/2008	1100-FTG-L19.8-L13.8	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
586	11/26/2008	1100-FTG-L19.8-L13.8	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
587	11/26/2008	1100-FTG-L19.8-L13.8	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
588	11/26/2008	1100-FTG-L19.8-L13.8	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
589	11/26/2008	1100-FTG-L19.8-L13.8	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
590	11/26/2008	1100-FTG-L19.8-L13.8	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
591	11/26/2008	1100-FTG-L19.8-L13.8	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
592	11/26/2008	1100-FTG-L19.8-L13.8	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
593	11/26/2008	1100-FTG-L19.8-L13.8	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
594	11/26/2008	1100-FTG-L19.8-L13.8	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
595	12/6/2008	1100-P-23.8-20.8-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
596	12/6/2008	1100-P-23.8-20.8-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
597	12/6/2008	1100-P-23.8-20.8-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
598	12/6/2008	1100-P-23.8-20.8-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
599	12/6/2008	1100-P-23.8-20.8-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
600	12/6/2008	1100-P-23.8-20.8-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
601	12/6/2008	1100-P-23.8-20.8-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
602	12/6/2008	1100-P-23.8-20.8-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
603	12/6/2008	1100-P-23.8-20.8-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
604	12/6/2008	1100-P-23.8-20.8-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
605	12/6/2008	1100-P-23.8-20.8-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
606	12/6/2008	1100-P-23.8-20.8-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
607	12/6/2008	1100-P-23.8-20.8-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
608	12/6/2008	1100-P-23.8-20.8-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
609	12/6/2008	1100-P-23.8-20.8-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
610	12/6/2008	1100-P-23.8-20.8-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
611	12/6/2008	1100-P-23.8-20.8-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
612	12/6/2008	1100-P-23.8-20.8-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
613	12/13/2008	1100-V.1-24.8-15.8-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
614	12/13/2008	1100-V.1-24.8-15.8-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
615	12/13/2008	1100-V.1-24.8-15.8-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
616	12/13/2008	1100-V.1-24.8-15.8-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
617	12/13/2008	1100-V.1-24.8-15.8-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
618	12/13/2008	1100-V.1-24.8-15.8-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
619	12/13/2008	1100-V.1-24.8-15.8-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Paul MacDonald	LES Construction Engineer
620	12/13/2008	1100-V.1-24.8-15.8-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
621	12/13/2008	1100-V.1-24.8-15.8-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
622	12/13/2008	1100-V.1-24.8-15.8-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
623	12/13/2008	1100-V.1-24.8-15.8-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
624	12/13/2008	1100-V.1-24.8-15.8-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
625	12/13/2008	1100-V.1-24.8-15.8-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
626	12/13/2008	1100-V.1-24.8-15.8-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
627	12/13/2008	1100-V.1-24.8-15.8-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
628	12/13/2008	1100-V.1-24.8-15.8-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
629	12/13/2008	1100-V.1-24.8-15.8-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
630	12/13/2008	1100-V.1-24.8-15.8-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
631	12/23/2008	1100-P-19.8-14.8-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
632	12/23/2008	1100-P-19.8-14.8-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
633	12/23/2008	1100-P-19.8-14.8-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
634	12/23/2008	1100-P-19.8-14.8-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
635	12/23/2008	1100-P-19.8-14.8-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
636	12/23/2008	1100-P-19.8-14.8-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
637	12/23/2008	1100-P-19.8-14.8-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Paul MacDonald	LES Construction Engineer
638	12/23/2008	1100-P-19.8-14.8-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
639	12/23/2008	1100-P-19.8-14.8-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
640	12/23/2008	1100-P-19.8-14.8-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
641	12/23/2008	1100-P-19.8-14.8-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
642	12/23/2008	1100-P-19.8-14.8-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
643	12/23/2008	1100-P-19.8-14.8-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
644	12/23/2008	1100-P-19.8-14.8-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
645	12/23/2008	1100-P-19.8-14.8-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
646	12/23/2008	1100-P-19.8-14.8-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
647	12/23/2008	1100-P-19.8-14.8-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
648	12/23/2008	1100-P-19.8-14.8-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
649	12/17/2008	1100-L-12.8-5.7-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
650	12/17/2008	1100-L-12.8-5.7-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
651	12/17/2008	1100-L-12.8-5.7-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
652	12/17/2008	1100-L-12.8-5.7-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	N/A	N/A
653	12/17/2008	1100-L-12.8-5.7-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
654	12/17/2008	1100-L-12.8-5.7-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
655	12/17/2008	1100-L-12.8-5.7-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Paul MacDonald	LES Construction Engineer
656	12/17/2008	1100-L-12.8-5.7-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
657	12/17/2008	1100-L-12.8-5.7-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
658	12/17/2008	1100-L-12.8-5.7-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
659	12/17/2008	1100-L-12.8-5.7-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
660	12/17/2008	1100-L-12.8-5.7-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
661	12/17/2008	1100-L-12.8-5.7-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
662	12/17/2008	1100-L-12.8-5.7-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
663	12/17/2008	1100-L-12.8-5.7-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
664	12/17/2008	1100-L-12.8-5.7-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
665	12/17/2008	1100-L-12.8-5.7-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
666	12/17/2008	1100-L-12.8-5.7-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
667	1/15/2009	1100-P-13.8-5.0-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
668	1/15/2009	1100-P-13.8-5.0-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
669	1/15/2009	1100-P-13.8-5.0-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
670	1/15/2009	1100-P-13.8-5.0-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
671	1/15/2009	1100-P-13.8-5.0-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
672	1/15/2009	1100-P-13.8-5.0-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
673	1/15/2009	1100-P-13.8-5.0-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
674	1/15/2009	1100-P-13.8-5.0-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
675	1/15/2009	1100-P-13.8-5.0-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
676	1/15/2009	1100-P-13.8-5.0-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
677	1/15/2009	1100-P-13.8-5.0-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
678	1/15/2009	1100-P-13.8-5.0-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
679	1/15/2009	1100-P-13.8-5.0-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
680	1/15/2009	1100-P-13.8-5.0-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
681	1/15/2009	1100-P-13.8-5.0-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
682	1/15/2009	1100-P-13.8-5.0-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
683	1/15/2009	1100-P-13.8-5.0-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
684	1/15/2009	1100-P-13.8-5.0-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
685	1/20/2009	1100-V.1-14.8-5.0-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
686	1/20/2009	1100-V.1-14.8-5.0-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
687	1/20/2009	1100-V.1-14.8-5.0-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
688	1/20/2009	1100-V.1-14.8-5.0-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
689	1/20/2009	1100-V.1-14.8-5.0-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
690	1/20/2009	1100-V.1-14.8-5.0-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
691	1/20/2009	1100-V.1-14.8-5.0-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Paul MacDonald	LES Construction Engineer
692	1/20/2009	1100-V.1-14.8-5.0-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
693	1/20/2009	1100-V.1-14.8-5.0-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
694	1/20/2009	1100-V.1-14.8-5.0-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
695	1/20/2009	1100-V.1-14.8-5.0-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
696	1/20/2009	1100-V.1-14.8-5.0-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
697	1/20/2009	1100-V.1-14.8-5.0-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
698	1/20/2009	1100-V.1-14.8-5.0-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
699	1/20/2009	1100-V.1-14.8-5.0-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
700	1/20/2009	1100-V.1-14.8-5.0-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
701	1/20/2009	1100-V.1-14.8-5.0-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
702	1/20/2009	1100-V.1-14.8-5.0-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
703	2/6/2009	1100-33.3-L-P-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
704	2/6/2009	1100-33.3-L-P-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
705	2/6/2009	1100-33.3-L-P-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
706	2/6/2009	1100-33.3-L-P-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
707	2/6/2009	1100-33.3-L-P-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
708	2/6/2009	1100-33.3-L-P-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
709	2/6/2009	1100-33.3-L-P-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
710	2/6/2009	1100-33.3-L-P-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
711	2/6/2009	1100-33.3-L-P-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
712	2/6/2009	1100-33.3-L-P-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
713	2/6/2009	1100-33.3-L-P-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
714	2/6/2009	1100-33.3-L-P-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
715	2/6/2009	1100-33.3-L-P-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
716	2/6/2009	1100-33.3-L-P-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
717	2/6/2009	1100-33.3-L-P-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
718	2/6/2009	1100-33.3-L-P-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	ITEM NOT ON CARD	
719	2/6/2009	1100-33.3-L-P-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
720	2/6/2009	1100-33.3-L-P-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
721	2/6/2009	1100-P/L-5.7-13.8-SFC	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	N/A	N/A
722	2/6/2009	1100-P/L-5.7-13.8-SFC	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
723	2/6/2009	1100-P/L-5.7-13.8-SFC	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
724	2/6/2009	1100-P/L-5.7-13.8-SFC	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	N/A	N/A
725	2/6/2009	1100-P/L-5.7-13.8-SFC	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	N/A	N/A
726	2/6/2009	1100-P/L-5.7-13.8-SFC	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
727	2/6/2009	1100-P/L-5.7-13.8-SFC	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
728	2/6/2009	1100-P/L-5.7-13.8-SFC	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
729	2/6/2009	1100-P/L-5.7-13.8-SFC	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
730	2/6/2009	1100-P/L-5.7-13.8-SFC	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
731	2/6/2009	1100-P/L-5.7-13.8-SFC	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
732	2/6/2009	1100-P/L-5.7-13.8-SFC	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
733	2/6/2009	1100-P/L-5.7-13.8-SFC	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
734	2/6/2009	1100-P/L-5.7-13.8-SFC	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
735	2/6/2009	1100-P/L-5.7-13.8-SFC	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
736	2/6/2009	1100-P/L-5.7-13.8-SFC	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
737	2/6/2009	1100-P/L-5.7-13.8-SFC	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
738	2/6/2009	1100-P/L-5.7-13.8-SFC	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
739	2/6/2009	1100-1.9-PR8-MM	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
740	2/6/2009	1100-1.9-PR8-MM	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
741	2/6/2009	1100-1.9-PR8-MM	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
742	2/6/2009	1100-1.9-PR8-MM	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	N/A	N/A
743	2/6/2009	1100-1.9-PR8-MM	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	N/A	N/A
744	2/6/2009	1100-1.9-PR8-MM	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
745	2/6/2009	1100-1.9-PR8-MM	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
746	2/6/2009	1100-1.9-PR8-MM	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
747	2/6/2009	1100-1.9-PR8-MM	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
748	2/6/2009	1100-1.9-PR8-MM	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
749	2/6/2009	1100-1.9-PR8-MM	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
750	2/6/2009	1100-1.9-PR8-MM	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
751	2/6/2009	1100-1.9-PR8-MM	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
752	2/6/2009	1100-1.9-PR8-MM	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
753	2/6/2009	1100-1.9-PR8-MM	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
754	2/6/2009	1100-1.9-PR8-MM	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
755	2/6/2009	1100-1.9-PR8-MM	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
756	2/6/2009	1100-1.9-PR8-MM	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
757	2/9/2009	1100-P/L-13.8-22.8-SCF	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
758	2/9/2009	1100-P/L-13.8-22.8-SCF	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
759	2/9/2009	1100-P/L-13.8-22.8-SCF	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
760	2/9/2009	1100-P/L-13.8-22.8-SCF	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
761	2/9/2009	1100-P/L-13.8-22.8-SCF	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	N/A	N/A
762	2/9/2009	1100-P/L-13.8-22.8-SCF	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
763	2/9/2009	1100-P/L-13.8-22.8-SCF	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Paul MacDonald	LES Construction Engineer
764	2/9/2009	1100-P/L-13.8-22.8-SCF	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
765	2/9/2009	1100-P/L-13.8-22.8-SCF	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
766	2/9/2009	1100-P/L-13.8-22.8-SCF	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
767	2/9/2009	1100-P/L-13.8-22.8-SCF	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
768	2/9/2009	1100-P/L-13.8-22.8-SCF	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
769	2/9/2009	1100-P/L-13.8-22.8-SCF	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
770	2/9/2009	1100-P/L-13.8-22.8-SCF	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
771	2/9/2009	1100-P/L-13.8-22.8-SCF	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
772	2/9/2009	1100-P/L-13.8-22.8-SCF	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
773	2/9/2009	1100-P/L-13.8-22.8-SCF	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
774	2/9/2009	1100-P/L-13.8-22.8-SCF	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
775	2/11/2009	1100-P/L-22.8-30.8-SCF	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
776	2/11/2009	1100-P/L-22.8-30.8-SCF	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
777	2/11/2009	1100-P/L-22.8-30.8-SCF	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
778	2/11/2009	1100-P/L-22.8-30.8-SCF	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	N/A	N/A
779	2/11/2009	1100-P/L-22.8-30.8-SCF	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	N/A	N/A
780	2/11/2009	1100-P/L-22.8-30.8-SCF	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	N/A	N/A
781	2/11/2009	1100-P/L-22.8-30.8-SCF	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	Paul MacDonald	LES Construction Engineer
782	2/11/2009	1100-P/L-22.8-30.8-SCF	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
783	2/11/2009	1100-P/L-22.8-30.8-SCF	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
784	2/11/2009	1100-P/L-22.8-30.8-SCF	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
785	2/11/2009	1100-P/L-22.8-30.8-SCF	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
786	2/11/2009	1100-P/L-22.8-30.8-SCF	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
787	2/11/2009	1100-P/L-22.8-30.8-SCF	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
788	2/11/2009	1100-P/L-22.8-30.8-SCF	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
789	2/11/2009	1100-P/L-22.8-30.8-SCF	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
790	2/11/2009	1100-P/L-22.8-30.8-SCF	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
791	2/11/2009	1100-P/L-22.8-30.8-SCF	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
792	2/11/2009	1100-P/L-22.8-30.8-SCF	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
793	2/9/2009	1100-L/P-33.3-SW	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
794	2/9/2009	1100-L/P-33.3-SW	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
795	2/9/2009	1100-L/P-33.3-SW	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
796	2/9/2009	1100-L/P-33.3-SW	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
797	2/9/2009	1100-L/P-33.3-SW	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
798	2/9/2009	1100-L/P-33.3-SW	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	BLANK	
799	2/9/2009	1100-L/P-33.3-SW	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
800	2/9/2009	1100-L/P-33.3-SW	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
801	2/9/2009	1100-L/P-33.3-SW	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
802	2/9/2009	1100-L/P-33.3-SW	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
803	2/9/2009	1100-L/P-33.3-SW	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
804	2/9/2009	1100-L/P-33.3-SW	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
805	2/9/2009	1100-L/P-33.3-SW	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
806	2/9/2009	1100-L/P-33.3-SW	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
807	2/9/2009	1100-L/P-33.3-SW	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
808	2/9/2009	1100-L/P-33.3-SW	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
809	2/9/2009	1100-L/P-33.3-SW	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
810	2/9/2009	1100-L/P-33.3-SW	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
811	2/18/2009	1100-L-1.1-4.2-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
812	2/18/2009	1100-L-1.1-4.2-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
813	2/18/2009	1100-L-1.1-4.2-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
814	2/18/2009	1100-L-1.1-4.2-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
815	2/18/2009	1100-L-1.1-4.2-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
816	2/18/2009	1100-L-1.1-4.2-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
817	2/18/2009	1100-L-1.1-4.2-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
818	2/18/2009	1100-L-1.1-4.2-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
819	2/18/2009	1100-L-1.1-4.2-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
820	2/18/2009	1100-L-1.1-4.2-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
821	2/18/2009	1100-L-1.1-4.2-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
822	2/18/2009	1100-L-1.1-4.2-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
823	2/18/2009	1100-L-1.1-4.2-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
824	2/18/2009	1100-L-1.1-4.2-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
825	2/18/2009	1100-L-1.1-4.2-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
826	2/18/2009	1100-L-1.1-4.2-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
827	2/18/2009	1100-L-1.1-4.2-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
828	2/18/2009	1100-L-1.1-4.2-FTG	Release for Placement	Signoff that Card is Complete	None	BLANK	
829	2/18/2009	1100-P-1.9-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
830	2/18/2009	1100-P-1.9-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
831	2/18/2009	1100-P-1.9-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
832	2/18/2009	1100-P-1.9-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
833	2/18/2009	1100-P-1.9-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
834	2/18/2009	1100-P-1.9-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
835	2/18/2009	1100-P-1.9-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
836	2/18/2009	1100-P-1.9-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
837	2/18/2009	1100-P-1.9-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
838	2/18/2009	1100-P-1.9-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
839	2/18/2009	1100-P-1.9-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
840	2/18/2009	1100-P-1.9-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
841	2/18/2009	1100-P-1.9-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
842	2/18/2009	1100-P-1.9-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
843	2/18/2009	1100-P-1.9-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
844	2/18/2009	1100-P-1.9-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
845	2/18/2009	1100-P-1.9-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
846	2/18/2009	1100-P-1.9-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
847	2/25/2009	1100-P/R-1.1-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
848	2/25/2009	1100-P/R-1.1-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
849	2/25/2009	1100-P/R-1.1-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
850	2/25/2009	1100-P/R-1.1-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
851	2/25/2009	1100-P/R-1.1-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	N/A	N/A
852	2/25/2009	1100-P/R-1.1-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
853	2/25/2009	1100-P/R-1.1-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
854	2/25/2009	1100-P/R-1.1-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
855	2/25/2009	1100-P/R-1.1-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
856	2/25/2009	1100-P/R-1.1-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
857	2/25/2009	1100-P/R-1.1-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
858	2/25/2009	1100-P/R-1.1-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
859	2/25/2009	1100-P/R-1.1-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
860	2/25/2009	1100-P/R-1.1-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
861	2/25/2009	1100-P/R-1.1-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
862	2/25/2009	1100-P/R-1.1-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
863	2/25/2009	1100-P/R-1.1-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
864	2/25/2009	1100-P/R-1.1-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
865	3/9/2009	1100-V.1-1.1-1.9-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
866	3/9/2009	1100-V.1-1.1-1.9-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
867	3/9/2009	1100-V.1-1.1-1.9-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
868	3/9/2009	1100-V.1-1.1-1.9-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
869	3/9/2009	1100-V.1-1.1-1.9-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
870	3/9/2009	1100-V.1-1.1-1.9-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
871	3/9/2009	1100-V.1-1.1-1.9-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
872	3/9/2009	1100-V.1-1.1-1.9-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
873	3/9/2009	1100-V.1-1.1-1.9-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
874	3/9/2009	1100-V.1-1.1-1.9-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
875	3/9/2009	1100-V.1-1.1-1.9-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
876	3/9/2009	1100-V.1-1.1-1.9-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
877	3/9/2009	1100-V.1-1.1-1.9-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
878	3/9/2009	1100-V.1-1.1-1.9-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
879	3/9/2009	1100-V.1-1.1-1.9-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
880	3/9/2009	1100-V.1-1.1-1.9-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
881	3/9/2009	1100-V.1-1.1-1.9-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
882	3/9/2009	1100-V.1-1.1-1.9-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
883	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
884	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
885	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
886	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
887	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
888	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
889	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
890	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
891	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
892	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
893	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
894	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A
895	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
896	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
897	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
898	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
899	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
900	3/4/2009	1100-P-R.8-2.4-2.7-3.1-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
901	3/13/2009	1100-P-R.8-4.2-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
902	3/13/2009	1100-P-R.8-4.2-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer
903	3/13/2009	1100-P-R.8-4.2-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
904	3/13/2009	1100-P-R.8-4.2-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
905	3/13/2009	1100-P-R.8-4.2-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
906	3/13/2009	1100-P-R.8-4.2-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
907	3/13/2009	1100-P-R.8-4.2-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
908	3/13/2009	1100-P-R.8-4.2-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
909	3/13/2009	1100-P-R.8-4.2-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
910	3/13/2009	1100-P-R.8-4.2-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A
911	3/13/2009	1100-P-R.8-4.2-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
912	3/13/2009	1100-P-R.8-4.2-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
913	3/13/2009	1100-P-R.8-4.2-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
914	3/13/2009	1100-P-R.8-4.2-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
915	3/13/2009	1100-P-R.8-4.2-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
916	3/13/2009	1100-P-R.8-4.2-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
917	3/13/2009	1100-P-R.8-4.2-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
918	3/13/2009	1100-P-R.8-4.2-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer
919	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Surveyor to verify that layout survey is complete	Visual examination of layout survey results, check layout against control lines w/ tape measure	Tape Measure	George Shamis	LES Construction Engineer
920	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Forms- clean, coated, bracing line and grade	Visual examination that forms are clean and straight	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
921	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Concrete Shear Connectors	Visual verification that Nelson studs have been properly installed and tested	None	N/A	N/A
922	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Reinforcing Steel	Check spacing measurement w/ tape measure/visual examination for presence of proper design reinforcing steel/verification of rebar condition	Tape Measure	George Shamis	LES Construction Engineer
923	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Rebar Splices	Check splice lengths and spacing w/ Tape measure/Perform visual examination for presence of design rebar splices/Visually verify mechanical splice threads are engaged	Tape Measure	George Shamis	LES Construction Engineer
924	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Embedded Steel	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded steel items	Tape measure	George Shamis	LES Construction Engineer
925	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Embedded Electrical	Check spacing and size w/ tape measure/Perform visual examination for presence of design electrical items	Tape measure	George Shamis	LES Construction Engineer
926	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Embedded Mechanical	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded mechanical items	Tape measure	N/A	N/A
927	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Embedded Piping	Check spacing and size w/ tape measure/Perform visual examination for presence of design embedded piping items	Tape measure	N/A	N/A
928	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Waterstop	Check dimensions w/ tape measure/Perform visual examination for presence of design waterstop	Tape measure	N/A	N/A

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Item	Placement Date**	Pour Placement ID*	Inspection Performed (Concrete Placement Report Item)	Nature of Inspection Performed	Equipment Used to Perform Inspection	Identification of Personnel Performing Inspection	Qualifications of Personnel-See Reference File
929	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Welding and NDE	Perform visual examination of design welded items and review of weld workplans	None	N/A	N/A
930	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Construction Joints	Perform visual examination of construction joint placement-Use tape measure to verify that they are in the right location	Tape measure	George Shamis	LES Construction Engineer
931	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Internal Inspections Complete/Formwork can be closed up	Verify final items w/ tape measure/Perform final visual examination of all items prior to closeup	Tape measure	N/A	N/A
932	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Final Clean-Up, Weather Protection	Visual examination	None	George Shamis	LES Construction Engineer
933	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Moisten Existing Concrete and Soil	Witness point-visual verification	None	George Shamis	LES Construction Engineer
934	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	FE to Review Drawings for Changes	Visual Review & Research for ECRs, NCRs	None	George Shamis	LES Construction Engineer
935	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Pre-Placement Plan reviewed with Work Crew	Pre-placement briefing	None	George Shamis	LES Construction Engineer
936	3/18/2009	1100-V.1-2.4-2.7-3.1-4.2-FTG	Release for Placement	Signoff that Card is Complete	None	George Shamis	LES Construction Engineer

*Actual Pour placements reports are from Attachment 4 of CALC-C-00183
**Date is from Date and Time of Placement or latest pre-placement signature

Attachment 3

Personnel Qualifications Summary

Table of Contents

1.0 LES Field Engineering/Construction Engineering Qualifications

The qualifications of the field and construction personnel who are credited with performing the critical inspection functions for the CRDB are aggregated in the attached Table 1. A brief summary of their qualifications and relevant experience is provided in this section.

1.1 Qualifying Agencies for Personnel

There were ten Louisiana Enrichment Services (LES, now Urenco USA) personnel that performed inspection signoff functions for the critical pre-placement inspections. Of these personnel, five were qualified as field engineers by Washington Group International (WGI) for QL-1 structural construction surveillance work on the SBM-1001. Another individual signing off was qualified as a construction coordinator by WGI, and one individual was qualified by WGI as a Quality Control (QC) inspector.

The remaining three were qualified using LES's training program. One was qualified as a field engineer by LES's program, one was qualified as a construction engineer by LES's program, and one was qualified as the LES building manager.

1.2 Education and Construction Background

Seven out of the ten LES inspection personnel have Bachelors Degrees in Construction Management or Engineering. Four of these are specific degrees in Civil Engineering. The other field engineers have either technical degrees or significant years of nuclear and construction experience.

The primary field engineer, George Shamis, who signed for nearly 80% of the pre-placement inspection and verification items, is a registered PE with 30 years of experience in nuclear construction. While some of the field engineers are relatively new to construction engineering, the average construction experience of the individuals is 15 years.

1.3 Official Qualification Records

After the SBM-1001 structural construction work was substantially complete, five WGI field engineers were assigned structural construction surveillance work by LES on the CRDB. Due to the transition from the WGI training and qualification program to LES' program, the official records indicating the qualifications and training for the engineers vary. Those who were still with the project at the time of the transition have WGI Core training that was transferred to LES. Those individuals that were hired after the transition from WGI to LES have records of training that are kept electronically in the LES OnTrack system. The matrix provided in Table 1 clearly gives the Training Basis for Qualification relied upon to substantiate the personnel were qualified to perform the verification inspections for the construction of the CRDB foundation.

1.4 Dates of Qualification

Comparing the dates of the qualification records credited, to the dates that the individuals signed the concrete placement reports, it is evident that all individuals signing off the critical items were qualified prior to the placement date. One individual's qualifications prior to placement are not available, but he did not sign for any critical items. This individual, Paul MacDonald, only signed for the presence and placement verification of embedded electrical items (grounding wire, electrical conduit, etc...) and had specific background and education in electrical installations. This individual's verification is not considered significant to the structural integrity of the CRDB foundation installation.

2.0 Personnel Qualification Records

This section presents the records of personnel qualification in a matrix format, and additionally in files for each individual credited with performing construction verifications for the CRDB foundation.

2.1 Engineering Inspection Personnel Qualification Matrix

Table 1 below presents the personnel qualifications in summarized format, clearly identifying the engineer's name, personnel title, educational and professional background, and the Training Basis for Qualification. This table is a summary of information contained in the attached personnel files (Attachment 3A).

Table 1: Inspection Personnel Qualification Matrix

Personnel Identification	Start Date	Current Employee (Y/N)	Personnel Title	Education or Professional Background	Years of Experience (in 2008)	Training Basis for Qualification	Date of Qualification	Number of Signatures	Percentage of Signoffs
Neil Kaneshiro	5/25/2007	N	LES Field Engineer	Civil Engineering (BS) & Construction Management	14	WGI Field Engineer-Core Civil/Structural Training	7/27/2007	21	4.03%
Paul MacDonald	9/24/2008	N	LES Construction Engineer	Electrical Engineering Technology & Construction Project Management	10	EG-D&C Phase Construction Engineer Training	6/29/2009	7	1.34%
Maxwell Melvin	5/29/2008	N	LES Field Engineer	Chemical Engineering (BS)	1	WGI Field Engineer-Core Civil/Structural Training	11/12/2007	8	1.54%
Raymundo Olivas	1/28/2008	Y	LES Construction Engineer	Civil Engineering (BS) (EIT) & Construction Experience	1	WGI Field Engineer-Core Civil/Structural Training	1/28/2008	42	8.06%

Personnel Identification	Start Date	Current Employee (Y/N)	Personnel Title	Education or Professional Background	Years of Experience (in 2008)	Training Basis for Qualification	Date of Qualification	Number of Signatures	Percentage of Signoffs
Sergio Pardo-Palencia	1/14/2008	Y	LES Construction Engineer	Civil Engineering (BS) (EIT) & Construction Project Management	6	WGI Field Engineer-Core Civil/Structural Training	1/15/2008	2	0.38%
Edward Schulte	9/26/2007	N	LES Building Manager	Nuclear Engineering (BS) (EIT) & Engineering Supervision	11	D&C Phase Engineering Qualification Training	11/26/2007	5	0.96%
George Shamis	1/28/2008	N	LES Construction Engineer	Civil Engineering (BS) (PE) & 30 yrs Nuclear Construction Experience	30	WGI Field Engineer-Core Civil/Structural Training	1/28/2008	411	78.89%
Herb Taylor	10/8/2008	N	LES Field Engineer	Civil Engineering (AA) & Nuclear Construction Experience	33	Field Engineer D&C Phase Training	11/6/2008 (completed by Engineer on 10/10/08)	19	3.65%
Don Thorp	11/28/2007	N	LES Construction Coordinator	41 yrs Nuclear Construction Experience	41	WGI Construction Asst. Superintendent Training	11/28/2007	1	0.19%
Tom Weatherston	12/17/2007	N	LES QC Inspector	Construction (BS) & 1yr Nuclear QC Experience	6	WGI QC Inspector Training	12/27/2007	1	0.19%

2.2 Personnel Qualification Files

The individual personnel qualification files are contained in Attachment 3A on the following 103 pages.

Attachment 4

CRDB Project Quality Assurance Plan

UUSA Document, "LES-SC-1051-SUB-0001A-01", "Project Quality Assurance Plan for the Design, Fabrication, and Construction of the Cylinder Receipt and Dispatch Building (CRDB)", (CRDB PQAP), Revision 0, Approved PQAP Submittal, 8-13-2008 is provided on the 46 pages following this one-page summary sheet.

The CRDB PQAP was created and followed per UUSA Contract LES-SC-1051, which is provided in Attachment 6 of this submittal package. The CRDB PQAP was used to establish stricter construction controls for the CRDB than what would typically have been required by standard commercial construction practices. The PQAP was developed in parallel with the QL-2 requirements for the CRDB, which are currently listed in the "QL-1G Attribute Installation Notes" on UUSA Drawing "NCS-1100-C-CON-001-01, Revision 6", which is provided in Attachment 7 of this submittal package.

Attachment 5

CRDB Specification

UUSA Document, LES-S-S-00002, Revision 03,"CRDB Civil-Structural Requirements" is provided on the 92 page s following this one-page sum mary sheet.

Attachment 6

CRDB Construction Contract

UUSA Document, "LES-SC-1051", Contract Number LES-SC-1051, Rev 0, Dated 5-16-08, "Procurement and Construction of Civil-Structure Scope for the Cylinder Receiving and Dispatch Building (CRDB), Building 1100, Requisition Number 28683-REQ-08-968" is provided on the 306 pages following this one-page summary sheet.

UUSA Contract "LES-SC-1051" contains the primary design/construction criteria which were used to develop the detailed design and start construction of the CRDB. Multiple amendments were issued against this contract, and those amendment documents can be provided upon request. Most of the amendments were created to address financial issues associated with changes to the design of the CRDB. Refer to Attachment 5, Pages 1-2 of UUSA Calculation CALC-C-00183, for a summary of some of the Design Changes which required contract amendments.

Attachment 7

CRDB Design Document Summary

The Design Documents listed below are being provided with this submittal package as requested by NRC Letter dated November 9, 2011, "Acceptance Review, Request for Exception to License Condition 10.f of Materials License SNM-2010 – Supplemental Information Needed (Second Request)". Calculation AN-ARC-711 represents the primary Design Analysis of Record for the Foundation/Footing System. The "NCS" Series of documents (15 Drawings) are the Foundation System Design Drawings.

CRDB Design Documents	Revision	Number of Pages
Attachment 7A - Calculation AN-ARC-711, "Cylinder Receipt and Dispatch Building (CRDB) Foundation and Footing Design"	4	397
Attachment 7B - Calculation AN-ARC-816, "Review of CRDB MicroPile Rod Bearing Plates"	2	30
Attachment 7C - Calculation AN-ARC-820, "CRDB Micropile Relocation due to Interference"	0	16
Attachment 7D – Design Drawings		
NCS-1100-C-CON-000-01, Foundation Cover Sheet	6	1
NCS-1100-C-CON-001-01, Concrete Notes	6	1
NCS-1100-C-CON-002-01, Concrete First Floor Plan	6	1
NCS-1100-C-CON-002-02, Concrete First Floor Plan	6	1
NCS-1100-C-CON-002-03, Concrete First Floor Plan	6	1
NCS-1100-C-CON-002-04, Concrete First Floor Plan	6	1
NCS-1100-C-CON-002-05, Concrete First Floor Plan	6	1
NCS-1100-C-CON-002-06, Concrete First Floor Details	6	1
NCS-1100-C-CON-002-07, Concrete First Floor Details	6	1
NCS-1100-C-CON-002-08, Concrete First Floor Details	6	1
NCS-1100-C-CON-002-09, Concrete First Floor Details	6	1
NCS-1100-C-CON-002-10, Concrete First Floor Details	4	1
NCS-1100-C-CON-002-11, Concrete First Floor Details	4	1
NCS-1100-C-CON-002-12, Concrete First Floor Details	2	1
NCS-1100-C-CON-002-13, Concrete Plan and Details of Micropile Installation	0	1

Attachment 8

CRDB Procurement Hold Point Evaluation

UUSA Document, "LES-SC-1051", Contract Number LES-SC-1051, Rev 0, Dated 5-16-08, as provided on Attachment 6, includes a copy of Specification 114489-S-Q-04103-4. This specification states, in Step 13.1 (Attachment 6, Page 303 of 306) that, "The owner may use inspection or verification activity results to assess the effectiveness of the contractor quality system implementation." Step 14.2 states, "When a shipping release inspection is required by the specification, the inspection shall be designated as a hold point and the inspection performed prior to shipment." The use of a procurement hold point is clearly an elective step, and is not required for QL-1 rebar.

Specification LES-S-S-03313, "Specification for Rebar Fabrication" is provided as Attachment 8A of this submittal package to document UUSA's assertion that no hold points would have been required for Reinforcing Steel or Anchor Bolt Procurement prior to shipment to the UUSA Project Site. Specification LES-S-S-03313, per Step 1.6.D on Page 9 of Attachment 6 of this submittal package, states, "The Contractor shall agree that for the duration of this contract a mutually satisfactory arrangement is made such that the Owners Quality Control (QC) Representative may witness any or all physical and chemical testing." This clearly allows UUSA to treat the creation and implementation of procurement hold points as an elective item.

Discussions with site QA Personnel confirmed the use of procurement hold points for rebar fabrication has been limited to situations where issues were identified during receipt inspection. For the SBM and CRDB Bunkered Buildings, limited scope procurement hold points were established as part of the corrective actions taken to address rebar bend radius issues from a different vendor than was used for the CRDB. UUSA does not typically specify procurement hold points for rebar fabrication, in accordance with the specifications described above.

Therefore, it is UUSA's determination that no procurement hold points would have been invoked, based upon the simplicity of the fabricated components (rebar and anchor bolts), the reviews of the documentation which was submitted by the suppliers, the additional material testing which was completed, and a comparison to QL-1 rebar fabrication requirements and related specifications.

Attachment 9

CRDB Construction Audit Summary

Table of Contents

1.0 Summary of QA/QC Audits

QL-1G audits were not performed since they were not required for the CRDB Foundation/Footing system per the established PQAP (Project Quality Assurance Plan). Additionally, QL-2 audits were not performed until after completion of construction for most of the Foundation/Footing system.

Several quality surveys were performed in 2009 to ensure that the contractor was compliant with the quality requirements and commitments of their QA/QC program. To supplement the contractor's quality program, work on the CRDB footings was performed using UUSA processes and procedures, which were utilized for work planning, concrete and rebar placement, nonconformance resolution, and Engineering Change Requests.

The Urenco USA site procedures for the placement of concrete and steel items were highly familiar to the Field and Construction Engineering personnel who had been using these procedures during construction of Building SBM-1001. Personnel hired during CRDB Construction received training regarding these procedures, as documented in Attachment 4. This ensures that the work performed was highly similar to the QL-1 work done on the SBM, with a few documented differences.

The initial acceptance review of the QA/QC program was rigorous and resulted in a resubmittal of the QA/QC program that was subsequently approved. This process is described in detail in the following section. It was recognized in March after submittal of the revised QA/QC program that there was a need for surveillances/audits, and a series of surveillances was initiated. See summary of results in Section 3.0 below.

2.0 Contractor QA/QC Program Review

The contractor's QA/QC program (PQAP) was initially reviewed by UUSA subsequent to the contractor's contract submittal on June 3rd, 2008, per contract LES-SC-1051 (as provided on Attachment 7 of this submittal Package). This review was thorough, and resulted in findings that initiated a work stoppage, as documented in CR-2008-2135.

The contractor resubmitted Revision 0 of the PQAP to LES on 8-11-08, after incorporating LES comments to improve the original submittal. The contractor's QA/QC plan was then approved by LES (as provided on Attachment 5 of this submittal package). A third submittal, Revision 01 of the PQAP, was submitted on March 28th, 2009 which was reviewed and approved by LES.

A copy of Revision 01 has not been provided with this submittal because the Foundation/Footing System construction was essentially complete when this revision was issued.

3.0 LES Processes and Procedural Adherence

As described in UUSA Calculation CALC-C-00183 on Attachment 5A, Non-conformances were generated which demonstrated the adequacy of the attention to detail and the over-sight provided by the LES Field and Construction Engineers. Although no QL-1G or QL-2 Audits were performed prior to the last foundation system placement, Work Package Documentation (Attachment 4 of CAL-C-00183) and Non-conformance generation/resolution provide reasonable assurance regarding the adequacy of the installed components to ensure a chemical release does not exceed the performance requirements of 10 CFR 70.61 for the CRDB as-built condition.

4.0 Surveillance Reports

While no actual QL-1G audits were performed, LES did perform a number of surveillances to verify that the contractor's quality was acceptable. This section presents the chronology of these surveillances, and summarizes their result.

LES began a series of surveys to verify the contractor's rebar storage practices and installation processes in March of 2009. The foundation installation was nearly complete at that time; however, the same contractor had begun to place the slab-on-grade using the same procedures and processes. There were no significant changes to the contractor's processes at that time, and no significant findings were noted. This provides assurance that the contractor's practices were in accordance with the commitments to quality required for QL-1G.

Table 1: Surveillance Summary

Date	Number	Title	Description	Result
3/31/09	LES-SR-2009.S.04.032	Rebar Inspection for NC Sturgeon	Perform an inspection of size and spacing of QL-2 reinforcing steel	Acceptable
6/18/09	2009-S-06-111	Surveillance of NCS QL-1 reinforcing steel storage area	Verify that the NCS rebar storage area complies with NRC inspection procedures	In compliance
7/15/09	2009-S-07-157	Surveillance of field & warehouse storage areas	Determine if storage areas are properly identified, items stored as required, and housekeeping maintained	Field Storage Area-Acceptable Structural Steel Storage Area-Discrepancies noted per CR 2009-1711
8/10/09	2009-S-08-189	Surveillance of field storage areas	Determine if storage areas are properly identified, items stored as required, and housekeeping maintained	Acceptable
11-9-09	2009-S-11-285	Surveillance of Supplemental Concrete Placement Data	Determine if the associated documents are the latest revision and all ECRs are posted to the applicable drawings	Acceptable
12-3-09	2009-S-12-303	Surveillance of Building 1100 "Rebar Storage Facility"	Determine if the storage area is properly identified, items are stored as required, and housekeeping is maintained.	Acceptable

5.0 Surveillance Reports-Attachment 9A

The surveillance reports referenced in Table 1 are contained in the 13 pages of Attachment 9A.

LES

Surveillance Report
LES-SR-2009.S.04.032
Page 1 of 2

To: **Gene Sergent**

From: **Tim Jackson**

Topic: **Rebar Inspection For NC Sturgeon**

Date: **03/31/2009**

Objective:

Perform an inspection of Quality Assurance Level 2 reinforcing steel for NC Sturgeon concrete placement number 1100-L-24-8-33.5-SOG and number 1100-L-7.8-16.8-SOG in the CRDB.

Scope:

Inspection of reinforcing steel for size and spacing only.

Summary:

This surveillance was performed on March 31, and April 2, 2009.

1) Inspected number seven (7) reinforcing steel for size and spacing only.
2) Spacing for steel is twelve inch (12") centers each way.
3) Step number five (5) and ten (10) were signed off in work plan number 1100-Civil-828-001 for placement number 1100-L-24-8-33.5-SOG and 1100-L-7.8-16.8-SOG respectively. Drawings applicable to the placements are NCS-1100-C-CON-003-01-1 and NCS-1100-C-CON-003-02-1.

CRs, AFRs and Recommendations:

N/A

Surveillance Details:

This surveillance was performed on March 31, and April 2, 2009.

Surveillance was accomplished by direct observation and actual measurement of the rebar placement in placement number 1100-L-24.8-33.5-SOG and 1100-L-7.8-16.8-SOG . Concrete was not inspected as it is Quality Assurance Level 3. The rebar size was number seven (7) spaced at twelve inch centers each direction. The rebar was

LES

Surveillance Report
LES-SR-2009.S.04.032
Page 2 of 2

properly tied, the rebar chairs were properly spaced and tied, and the forms were straight and properly supported. Inside the forms was clean and ready to receive concrete.

In conclusion every aspect of the placements were acceptable and in good condition and acceptable to start the concrete placements.

References:

N/A

Contacts:

George Shamus- Field Engineer

Ed Schulte- CRDB Building Manager

Surveillance Team Members:

Tim Jackson

Attachments:

None

Approved:

Tim Jackson, LES Audit Team

Gene Sergent, LES Quality Director 6/29/09

Urenco

NC Sturgeon
2009-S-04-032
QA 09-0414
Page 2 of 2

LES

Surveillance Report
2009-S-06-111
Page 1 of 3

To: Gene Sergent, LES Acting Quality Assurance Director

From: Olimpio Torres Jr., LES QA Specialist/Engineer/Auditor III (Quality Control Lead)

Topic: *Surveillance of NC Sturgeon QL-1 reinforcing steel bar (rebar) storage area* at the National Enrichment Facility (NEF), for compliance with select sections of USNRC Inspection Procedures along with sections of applicable LES Documents.

Objective:
Verify by direct observation that the NC Sturgeon QL-1 rebar storage area, at the NEF, is adequately and effectively implementing select sections of USNRC Inspection Procedures 35065-01 and 88132, along with select sections of LES Documents SA-3-2000-19 and the QAPD.

Scope:
Surveillance of NC Sturgeon QL-1 rebar storage area, at the NEF, for compliance with select sections of USNRC Inspection Procedures 35065-01 and 88132, along with select sections of LES Documents SA-3-2000-19 and the QAPD. The NC Sturgeon QL-1 Rebar Yard is supported by an LES (contractor) QC representative since NC Sturgeon is currently following the LES QL-1 program.

Summary:
Based on a review of activities observed on June 18, 2009 in the morning (between 0800 and 0900 hours) and in the afternoon (between 1330 and 1530 hours), the NC Sturgeon QL-1 rebar storage area is in compliance with the references listed in the Surveillance Details section of this surveillance report.

CRs, AFRs and Recommendations:
None

Surveillance Details:
This surveillance was conducted June 18, 2009.

1. **Good industry practice obtained from USNRC IP 88132**

   a. **QUESTION**: Storage of reinforcing steel should be examined to verify that storage conditions are adequate to ensure that rebar will not become *contaminated with materials such as mud, excessive rust, grease, oil, etc., which* could affect the bonding of the rebar and concrete.

   b. **OBSERVATION**: Observed that the storage area exhibited the appearance that good housekeeping practices were being utilized to maintain the storage area in a clean manner. The rebar was stored on dunnage and kept off the ground.

urenco

NC STURGEON
2009-S-06-111
QA-09-0423
Page 1 of 3

Surveillance Report
2009-S-06-111
Page 2 of 3

2. **SA-3-2000-19, Revision 0, paragraph 5.2.2(a):**

   a. **QUESTION**: Steel rods [reinforcing] shall be stored in separate stacks according to their length and size.

   b. **OBSERVATION**: Observed the rebar being stored satisfactorily in separate stacks according to their length and size.

3. **NEF QAPD, Revision 19c, Section 8:**

   a. **QUESTION**: Identification markings, when used shall be applied using materials and methods which provide a clear and legible identification and do not detrimentally affect the function or service life of the item. Markings shall be transferred to each part of an item when subdivided and shall not be obliterated or hidden by surface treatments or coatings unless other means of identification are substituted.

   b. **OBSERVATION**: Observed the LES (contractor) QC Representative, stationed in the NC Sturgeon Rebar area, do the following:

      i. Witness bars get pulled from a bundle, cut to length.

      ii. After the bars were cut to length, the QC Representative measured the newly cut lengths.

      iii. The QC Representative then tagged the new bundles after the laborers wire tied the bundle together.

      iv. The QC Representative witnessed the laborers dispose of the unwanted cut ends by placing them in a dumpster identified for scrap.

      v. The QC Representative recorded the cut information in his "cutting and bending" log, as follows:

	Size	Length	Qty	Material Identification
(a)	#8	28' 3-1/2"	(25)	C0017 2155
(b)	#8	28' 3-1/2"	(25)	C0017 2155
(c)	#4	23' 8"	(8)	C0013 0655
(d)	#4	24' 3"	(8)	C0013 0655

4. **USNRC 35065-01, Paragraph: 02.03(c)(1-4)**

   a. **QUESTION**: Determine the adequacy of storage [class D] relative to:

      i. Storage conditions

      ii. Control of access to storage area

      iii. Identification of stored items

      iv. Control of items prior to use

   b. **OBSERVATION**: Observed the following:

Surveillance Report
2009-S-06-111
Page 3 of 3

i. Storage area is located outdoors with controlled access, in a designated (north of the CRDB), well drained area (did not observe any standing water), on sandy ground, away from heavy construction and traffic activity.

ii. The storage area has a snow fence (orange plastic fencing) barrier around its perimeter with one designated entryway. The QC Representative challenges personnel requesting admittance to assure they are authorized to enter the area.

iii. The materials have tags on them applied by QC personnel. All materials observed on June 18, 2009 had tags attached.

iv. All materials are logged in the "receiving and placing" log, prior to release from the hold area.

References:
1. United States Nuclear Regulatory Commission (USNRC) Inspection Manual, Inspection Procedure 88132
2. LES procedure SA-3-2000-19 Rev. 0
3. NEF QAPD Rev. 19c
4. United States Nuclear Regulatory Commission (USNRC) Inspection Manual, Inspection Procedure 35065-01

Contacts:
1. Christopher Glover, LES (contractor) QC Representative
2. Chris Quinn, NC Sturgeon QA/QC
3. Timothy Jackson, LES (contractor) QC Foreman

Surveillance Team Members:
1. Olimpio Torres Jr., LES QA Specialist/Engineer III (Team Lead)

Attachments:
None

Approved by:

Olimpio Torres Jr. *LES QA Specialist/Engineer III (Surveillance Team Lead)*	Olimpio Torres *Signature*	7/6/09 *Date*
Gene Sergent *LES QA Director, Acting*	*Signature*	7/6/09 *Date*

Distribution:
Gene Sergent, LES QAD
Chris Quinn, NC Sturgeon QA/QC
LES Quality Assurance
LES Records Management

urenco

NC STURGEON
2009-S-06-111
QA-09-0423
Page 3 of 3

LES

Surveillance Report
2009-S-07-157
Page 1 of 2

To: Gene Sergent

From: Keith Stephenson

Topic: Surveillance of storage areas.

Objective:

Perform a surveillance of Quality Level One (1), two (2) and three (3) storage and hold areas.

Scope:

Determine if the storage/hold areas are properly identified, items are stored as required, and housekeeping is maintained.

Summary:

Surveillance was accomplished by direct visual observation of the LES and NC Sturgeon warehouse storage areas and Baker's field storage area located east of the CRDB. NC Sturgeons field storage area located north of the CRDB was also observed.
LES warehouse storage areas were noted to be well kept, organized, properly identified and in compliance with the storage requirements as stated in Procedure # PR-3-3000-02.
Baker's field storage area was noted to be neat, clean, properly identified and well kept. Baker's field storage area was found to be in compliance with the material storage requirements.
NC Sturgeons field storage area was found to be well kept, organized, properly identified and in compliance with the storage requirements.
NC Sturgeons warehouse storage area was observed as a follow up to the discrepancies identified in CR # 2009-1711. These areas need further attention.

CRs, AFRs and Recommendations:

Recommend further management attention be directed to correct these ongoing issues.

Surveillance Details:

urenco

NC STURGEON
2009-S-07-0157
QA-09-0479
PAGE 1 OF 2

Surveillance Report
2009-S-07-157
Page 2 of 2

This surveillance was performed on July 15, 2009.

1) NC Sturgeons warehouse storage area for the CRDB structural steel has been worked on to correct the discrepancies previously identified. There was no work being performed in this area during this surveillance. The 1300 and 1500 areas are still in disarray with material lying directly on the ground. This has been relayed to NC Sturgeon supervision every week since CR # 2009-1711 was generated. There has been little to no effort expended in these areas. CR # 2009-1711 was generated on June 6, 2009 and is still open. This remains to be a problem and management attention is required. The CRDB Building Manager was informed by phone call of the on going failure by NC Sturgeon to comply with the referenced procedure.
2) Baker's field storage area was observed with no deficiencies noted.
3) LES Warehouse Storage areas were observed with no deficiencies noted.
4) NC Sturgeons field storage area was observed with no deficiencies noted.

References:

PR-3-3000-02, Rev 2, Packaging, Handling, Shipping, and Storage Requirements

SA-3-2000-12, Rev 0, General Housekeeping

Contacts:

Earl Dawdy (LES Warehouse Manager)

Nathan Blair (NC Sturgeon)

Surveillance Team Members:

Keith Stephenson (LES)
Glen Catalano (LES)

Keith Stephenson _____ 7/15/09
Print or Type Name Signature Date

Attachments:
N/A

Approved by: Gene Sergent _____ 7/15/09
Print or Type Name Signature Date

Distribution:
- *Earl Dawdy, LES*
- *Christopher Quinn, NC Sturgeon*
- *David Rivera, Baker Construction*
- *Ed Schulte, LES*

urenco

NC STURGEON
2009-S-07-0157
QA-09-0479
PAGE 2 OF 2

LES

Surveillance Report
2009-S-08-189
Page 1 of 2

To: Gene Sergent

From: Keith Stephenson

Topic: Surveillance of storage areas.

Objective:

Perform a surveillance of Quality Level One (1), two (2) and three (3) storage and hold areas.

Scope:

Determine if the storage/hold areas are properly identified, items are stored as required, and housekeeping is maintained.

Summary:

Surveillance was accomplished by direct visual observation of the LES and NC Sturgeon warehouse storage areas and Baker's field storage area located east of the CRDB. NC Sturgeons field storage area located north of the CRDB was also observed.
LES warehouse storage areas were noted to be well kept, organized, properly identified and in compliance with the storage requirements as stated in Procedure # PR-3-3000-02.
Baker's field storage area was noted to be neat, clean, properly identified and well kept. Baker's field storage area was found to be in compliance with the material storage requirements.
NC Sturgeons field storage area was found to be well kept, organized, properly identified and in compliance with the storage requirements.
NC Sturgeons warehouse storage area was observed as a follow up to the discrepancies identified in CR # 2009-1711. The areas previously identified have been cleaned up, organized and are now properly identified.

CRs, AFRs and Recommendations:

N/A

urenco

Surveillance Report
2009-S-08-189
Page 2 of 2

Surveillance Details:

This surveillance was performed on August 10, 2009.

1) NC Sturgeons warehouse storage area was observed with no deficiencies noted.
2) Baker's field storage area was observed with no deficiencies noted.
3) LES Warehouse Storage areas were observed with no deficiencies noted.
4) NC Sturgeons field storage area was observed with no deficiencies noted.
5) Storage area located north of the 1300 Building was observed to be neat and organized. Signs designate responsible individual but not the Quality Level. Informed NC Sturgeon QC and this was immediately corrected.

References:

PR-3-3000-02, Rev 2, Packaging, Handling, Shipping, and Storage Requirements

SA-3-2000-12, Rev 0, General Housekeeping

Contacts:

Nathan Blair (NC Sturgeon)

Surveillance Team Members:

Keith Stephenson (LES)

Keith Stephenson _____ 8/11/09
Print or Type Name Signature Date

Attachments:
N/A

Approved by: Gene Sargent _____ _____ 8/11/09
Print or Type Name Signature Date

Distribution:
- *Earl Dawdy, LES*
- *Christopher Quinn, NC Sturgeon*
- *Nathan Blair, NC Sturgeon*
- *Ed Schulte, LES*

urenco

LES

Surveillance Report
2009-S- 11-285
Page 1 of 2

To: Gene Sergent

CC: Ed Schulte, Building Manager

From: John Gipson, QC Inspector

Topic: Surveillance of Supplemental Concrete Placement Data

Date: 11- 9 - 09

Objective:

Perform a surveillance of the associated documents for N.C. Sturgeon concrete placement CRDB-1100-SOG-094.

Scope:

Determine if the associated documents are the latest revision and all, Engineer Change Requests, ECR's are posted to the applicable drawings.

Summary:

Surveillance was accomplished by direct observation of applicable drawings for concrete placement of slab on grade concrete pour of CRDB-1100-SOG-094. Located from M.5 to P lines and 19.8 to 11.8 lines. There were no discrepancies noted.

CRs, AFRs and Recommendations:

N/A

Surveillance Details:

This surveillance was performed on November 9, 2009.
The drawings for concrete placement CRDB-1100-SOG-094 were reviewed for current revision and posting of ECR's. The following drawings were reviewed:

Surveillance Report
2009-S-11-285
Page 2 of 2

NCS-1100-C-CON-003-01
NCS-1100-C-CON-003-02
114489-S-S-03311
114489-S-S-03312
114489-1100-E-PHY-004-01

References:

EG-3-6000-03 Rev 3, Concrete and Grout Placement

QA-9-0151 Stop Work Order

Contacts:

Tim Jackson (LES Supervisor)
Rodney Hammond (LES Construction Engineer)

Surveillance Team Members:
John Gipson 11/11/09

Attachments:
N/A

Approved by: J L MARCHI / Signature / 11/11/09
Print or Type Name / Date

Distribution:
- *Travis Hendrix, LES*
- *Timothy Jackson, LES*
- *Ed Schulte, LES*

N.C. STURGEON
2009-S-11-285
QA-09-1016
PAGE: 2 OF 2

urenco

LES

Surveillance Report
2009-S-12-303
Page 1 of 2

To: Gene Sergent

CC: Ed Schulte, Building Manager

From: John Gipson

Topic: Surveillance of Building 1100 "Rebar Storage Facility"

Date: 12-3- 09

Objective:
Perform surveillance on NC Sturgeon rebar storage facility.

Scope:
Determine if the storage area is properly identified, items are stored as required, and housekeeping is maintained.

Summary:
Surveillance was accomplished by direct observation on 12-3-09.
No discrepancies were discovered.

CRs, AFRs and Recommendations:
N/A

Surveillance Details:
This surveillance was performed on December 3, 2009.
Inspections included:

- JHA sign in sheet (N/A crew sent home due to snow and ice)
- Rebar properly tagged.
- Controlled access fence up with proper signs
- Proper cribbing
- Proper signage
- Area clean of paper and scrap wood.
- Ample travel paths between rebar bundles.

All of the above areas of inspection were found to be acceptable.

NC STURGEON
2009-S-12-303
QA-09-1074
Page 1 of 2

urenco

Surveillance Report
2009-S-12-303
Page 2 of 2

References:
SA-3-2000-12, Rev 0, General Housekeeping

R-3-3000-02 Rev.2

Contacts:
Rodney Hammond, LES

Jim Wade, NC Sturgeon

Surveillance Team Members:
John Gipson

Attachments:

N/A

Approved by: J L Meachi _____ 12/5/09
Print or Type Name Signature Date

Distribution:
- *Timothy Jackson, LES*
- *Ed Schulte, LES*
- *Rodney Hammond, LES*
- *Jim Wade, NC Sturgeon*
- *Bill Wood, LES*

NC STURGEON
2009-S-12-303
QA-09-1074
Page 2 of 2

urenco