

**DOCKETED**

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Attachment 5 – CIVIL

Attachment 5 has been deliberately left blank in this reporting period

Attachment 6 – Cultural Resources

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**Subject        Stanton Energy Reliability Center (16-AFC-1C)  
                  Cultural Resources Monthly Compliance Report  
                  June 2019**

**To:**            Tim Bofman, SERC, LLC

**From:**        Phil Reid, Jacobs  
                  SERC CEC Designated Cultural Resources Specialist

**Date:**        July 2, 2019

**Copies:**     Greg Lamberg, WPower, LLC  
                  Sharon Stureman, SERC, LLC  
                  Doug Davy, Jacobs  
                  Karen Parker, Jacobs

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### 1. Introduction

This June 2019 Monthly Compliance Report (MCR) summarizes cultural resources monitoring activities conducted and documentation prepared from June 1 through June 30, 2019 at the Stanton Energy Reliability Center (SERC) (16-AFC-1C) site located at 10711 Dale Avenue, Stanton, Orange County, California. The MCR is prepared in accordance with the current (November 2018) Cultural Resources Mitigation and Monitoring Plan (CRMMP) and as required by California Energy Commission license Condition of Certification CUL-6.

### 2. Personnel Active in Cultural Monitoring This Period

Gena Granger participated as CRM for this month. Robert Dorame served as Native American Monitor.

### 3. Number of CRMs and NAMs on a Daily Basis

Table 1 lists the number of CRMs and NAMs on a daily basis for this month.

Table 1. Number of CRMs and NAMs Present, by Date		
Date	CRMs	NAMs
6/3/19	1	1
6/4/19	1	1
6/5/19	1	1
6/6/19	1	1

Table 1. Number of CRMs and NAMs Present, by Date		
Date	CRMs	NAMs
6/7/19	1	1
6/10/19	1	1
6/11/19	1	1
6/12/19	1	1
6/13/19	1	1
6/14/19	1	1
6/17/19	1	1
6/18/19	1	1
6/19/19	1	1
6/22/19	1	1
6/23/19	1	1
6/24/19	1	1
6/25/19	1	1
6/26/19	1	1
6/27/19	1	1
6/28/19	1	1
<b>Total CRM/NAM-Days</b>	20	20

#### 4. Overview of Monitoring Work and Any Issues

Project ground disturbance for this period began on Monday June 3, 2019. Activities monitored included duct bank and fire-water line trenching miscellaneous shallow excavations of fill soils on Parcels 1 and 2. Excavations occurred to depths of 5 to 10 feet. Observed fill soils included medium brown silty sand with various unsorted gravels to depth in some locations. Undisturbed native soils were observed in the deeper parts of duct bank excavations at approximately 3 feet in Parcels 1 and 2. Native soils are light to yellow, fine- to medium-grained sands underlain by similar sands with some silty gray clay. There were no cultural resource finds this month.

#### 5. Fulfillment Requirements of Each Cultural Resources Mitigation Measure

Table 2 describes the fulfillment requirements of each cultural resources mitigation measure (Condition of Certification) and lists the state of compliance with the measure. For complete text of the measures, please see the Commission Decision.

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
CUL-1: Appointment and Qualifications of Cultural Resources Personnel	<ul style="list-style-type: none"> <li>Owner must appoint a designated Cultural Resources Specialist (CRS) and Alternate CRSs. CRS will manage monitoring and reporting and make recommendations regarding eligibility of finds for California Register of Historical Resources</li> </ul>	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>Owner has appointed CRS and Alternate CRS. CRS is directing monitoring.</li> <li>CRS has obtained services of CRMs and NAMs</li> <li>No additional technical specialists have</li> </ul>

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
	<ul style="list-style-type: none"> <li>CRS may obtain services of Cultural Resources Monitors (CRMs) and Native American Monitors (NAMs)</li> <li>CRS may obtain services of additional technical specialists as needed.</li> </ul>	<ul style="list-style-type: none"> <li>been required</li> </ul>
CUL-2: Information to be Provided to CRS	<ul style="list-style-type: none"> <li>Owner must provide CRS with project information including the Application for Certification, cultural resources reports, data request responses, Final Staff Assessment, and Commission Decision, and project designs and maps.</li> <li>Owner must provide CRS with a weekly construction schedule</li> <li>Owner must notify CRS of any changes to construction phases.</li> </ul>	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>Owner has provided CRS with project information and maps</li> <li>Owner provides three-week lookahead schedule weekly</li> <li>There have been no changes to the construction phases.</li> </ul>
CUL-3: Cultural Resources Mitigation and Monitoring Plan (CRMMP)	<ul style="list-style-type: none"> <li>The CRS must prepare a CRMMP, including a research design, implementation schedule, identification of cultural resources personnel, plan for Native American participation, description of impact avoidance measures, plan for curation, and LORS compliance plan for human remains.</li> </ul>	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>The CRMMP has been prepared and approved by the CPM</li> </ul>
CUL-4: Final Cultural Resources Report	<p>The CRS must prepare a final Cultural Resources Report after construction is complete summarizing all field activities and including copies of all DPR forms and cultural resources reports associated with project construction.</p>	<p><b>Not applicable</b> – construction is not completed.</p>
CUL-5: Cultural Resources Worker Environmental Awareness Program (WEAP)	<ul style="list-style-type: none"> <li>The CRS must prepare a WEAP training module and brochure describing the potential for cultural resources discovery, procedures to follow in case of emergency discovery, and penalties for non-compliance.</li> <li>All workers must receive the training during their first week on on-site employment and must sign a sheet documenting that they have received the training</li> </ul>	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>All workers on site have viewed the video/PowerPoint training and signed the documentation sheet (found in the Biological Resources Compliance report).</li> </ul>
CUL-6: Cultural Resources Monitoring	<ul style="list-style-type: none"> <li>The CRS, Alt CRS, or CRMs must be onsite to monitor ground disturbance in native (non-fill) soils.</li> <li>The CRS must obtain the services of a NAM to monitor ground disturbance in non-fill sediments.</li> <li>CRMs and NAMs must prepare a daily field report, to be submitted daily by the CRS.</li> <li>The CRS must prepare a Monthly Compliance Report summarizing activities of CRS, CRMs, and NAMs.</li> <li>The CRS must report incidents of non-compliance with LORS</li> </ul>	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>The CRS or CRM has monitored ground disturbance.</li> <li>A NAM monitored ground disturbance</li> <li>The CRS has submitted the daily field reports</li> <li>The CRS has prepared this Monthly Compliance Report</li> <li>There have been no incidents of non-compliance with LORS</li> </ul>
CUL-7: Powers of CRS/Cultural Resources Discovery Protocol	<ul style="list-style-type: none"> <li>The CRS has authority to halt construction in the event of a cultural resource find</li> <li>The CRS or CRM must record the find on Form DPR-523 and notify the CPM</li> </ul>	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>No cultural resources have been found</li> <li>No human remains have been found</li> <li>No finds of interest to Native Americans</li> </ul>

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
	<ul style="list-style-type: none"> <li>• If human remains are found, the CRS must notify the Native American Heritage Commission.</li> <li>• If the find would be of interest to Native Americans, the CRS must notify Native American groups that have expressed an interest in notification.</li> </ul>	have been made
CUL-8: Fill Soils	If the project will use fill from a non-commercial borrow site or deposit sediments in a non-commercial fill site, the CRS must conduct a pre-construction cultural resources survey of the site.	<p><b>In compliance</b></p> <ul style="list-style-type: none"> <li>• No new sources of non-commercial fill or disposal were identified for use this month.</li> </ul>

## 6. Summary of the Confidential Appendix – Finds Made this Period

No cultural resources discoveries were made during monitoring activities this month.

## 7. Concordance Table of Artifacts

No concordance table of artifacts is needed for this month because no finds were made, and no artifacts were collected.

## 8. WEAP Training This Period

All on-site staff received cultural resources Worker Environmental Awareness Program (WEAP) training prior to starting work on site this month. From the June 1 through June 30, 2019, a total of 20 persons completed the SERC WEAP training. The hardcopy sign-in training logs for the June 2019 reporting period are included the Biological Resources Monthly Compliance Report.

## 9. Anticipated Changes in the Next Period

Installation and maintenance of site BMPs, facilities footings, duct bank and utility trenches will continue in the following month. A CRM will be on site to monitoring and respond to discoveries if they occur.

## 10. Comments, Issues or Concerns

None.

Attachment 7 - Paleontology

**Monthly Report of Paleontological Resources Monitoring Activities  
for the Stanton Energy Reliability Center  
Condition of Certification PAL-6  
June 2019**

**Prepared For:** Doug Davy, Jacobs  
Karen Parker, Jacobs

**Prepared By:** Niranjala Kottachchi, Paleontological Resources Specialist

This report covers paleontological resources monitoring activities at the Stanton Energy Reliability Center Project (Project) for the month of June 2019, as required by California Energy Commission license Condition of Certification PAL-6.

**Personnel Active in Paleontological Monitoring This Period**

Jeanette Maldonado was the primary Paleontological Resources Monitor (PRM) for this month. Blake Bufford served as the alternate PRM, in the absence of Ms. Maldonado.

Monitoring of construction activities at the Project site has occurred consistently throughout the month of June. Excavations continued in Parcel 1 in addition to minor activities in Parcel 2. Table 1 below depicts the activities which took place within each parcel week by week.

**Paleontological Resources Discoveries This Period**

No paleontological resources were discovered during the month of June 2019.

**Anticipated Work and/or Changes in the Next Period**

Excavations for 66kv duct bank on east end.

**Comments, Issues or Concerns**

None to report.

**Table 1. Monitoring and Associated Activities This Period**

Week	Location	Activity	Stratigraphy	Paleontological Resources
1	Parcel 1	1. Excavation of the 66 kV line extending it eastward for approximately 15 feet at a depth of 9 feet  2. Minor grading on west end disturbing less than 1 foot of sediment	1. Poorly indurated light gray to buff medium sands with orange to beige laminae visible at 5 feet below ground surface (bgs). At approximately 8 feet bgs, a dark gray silty clay was exposed  2. Disturbed sediment	No paleontological resources were observed

Week	Location	Activity	Stratigraphy	Paleontological Resources
2	Parcel 1	<ol style="list-style-type: none"> <li>1. Excavation on west end for 66 kV trench to a depth of 7-8 feet</li> <li>2. Trench excavations completed for water line and gas line along north boundary of parcel as well as trenching for utility lines on the west end and north of the 66 kV line</li> </ol>	<ol style="list-style-type: none"> <li>1. Upper 5-6 feet was base/fill. Basal foot was poorly indurated light gray to buff fine-medium sands similar to observations made in week 1</li> <li>2. Upper 5-6 feet was in base/fill but lower inches in native sediment consisting of poorly indurated light gray to buff fine-medium sands</li> </ol>	No paleontological resources were observed
3	Parcel 2  Parcel 1	<ol style="list-style-type: none"> <li>1. Excavations for fire protection trench along north end of parcel to a depth of approximately 5 feet</li> <li>2. Minor grading along south boundary where 66 kV was backfilled</li> </ol>	<ol style="list-style-type: none"> <li>1. Upper 4 feet was disturbed with lower foot consisting of poorly indurated light gray fine- medium sands</li> <li>2. Disturbed sediment</li> </ol>	No paleontological resources were observed
4	Parcel 1	<ol style="list-style-type: none"> <li>1. Excavations for the 66 kV line from east end closest to Dale Ave to a depth of 13 feet</li> <li>2. Excavation of 66 kV duct bank heading west to a depth of 13 feet</li> </ol>	<ol style="list-style-type: none"> <li>1. Two feet of disturbed sandy loam followed by native poorly indurated light gray to buff fine-medium sand with orange/beige laminae staining</li> <li>2. Same stratigraphy as above</li> </ol>	No paleontological resources were observed

Attachment A  
Daily Monitoring Logs



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/3/2019 1:42:40 PM

**Project Location:** Parcel 1

**Weather:**

Sunny 71

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 66kv east end,max depth ~8'bgs

**Scope of Construction Work Monitored/Equipment Used:**

CASE backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue excavation of the 66kv line extending it east roughly 15'.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Parcel 1 excavations were within a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining already exposed as excavations began at ~5'bgs.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavation of the 66kv line is planned to continue tomorrow.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**

6/3/2019 1:43:20 PM



66kv trench east end



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/4/2019 2:20:42 PM

**Project Location:** Parcel 1

**Weather:**  
Overcast 70

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 1 66kv line east end, max depth ~9'bgs

**Scope of Construction Work Monitored/Equipment Used:**

Backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue excavation of the 66kv line extending it east roughly 30'.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Parcel 1 excavations were within a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining already exposed as excavations began at ~5'bgs.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue tomorrow

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/5/2019 2:07:41 PM

**Project Location:** Parcel 1

**Weather:**

Overcast AM; sunny PM

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 minor grading

**Scope of Construction Work Monitored/Equipment Used:**

Skip loader

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a skip loader for minor grading at the west end of parcel 1. <1' of sediment was disturbed

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Grading was done at the surface <1' depth in silty disturbed sediment.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today.

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations for the 66kv line is still expected to continue sometime this week.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/6/2019 6:24:55 AM

**Project Location:** Stanton, Ca

**Weather:**

Overcast most of the day.

**Monitor(s):** bbufford

**Work Start Time:** 6:30 am

**Work End Time:** 3:00 pm

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 and 2.

**Scope of Construction Work Monitored/Equipment Used:**

Most of the work was moving backfill, and concrete work.

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

No earth moving activities occurred.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Only surface fill composed mostly of gravel was moved. Native soils was observed in side walls but was not disturbed.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No fossils were observed.

**Additional Comments:**

None

**Plan for tomorrow:**

Continue work.

**Attachments (Y/N):**

Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/7/2019 2:43:31 PM

**Project Location:** Stanton Ca.

**Weather:**

Overcast most of the day.

**Monitor(s):** bbufford

**Work Start Time:** 6:30 am

**Work End Time:** 3:00 pm

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 and 2

**Scope of Construction Work Monitored/Equipment Used:**

No excavation equipment was working.

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

No excavation occurred.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

No native sediment was disturbed. The only excavation was in fill material.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

None

**Additional Comments:**

None

**Plan for tomorrow:**

No work over the weekend.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/10/2019 2:44:05 PM

**Project Location:** Stanton

**Weather:**

Hot and sunny 89

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

N/A

**Scope of Construction Work Monitored/Equipment Used:**

N/A

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

Monitors on standby for excavation of 66kv line in parcel 1. ARB crew only impacted base/fill. No excavations in native sediment.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

No excavations within native sediment.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today.

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations are planned to commence sometime this week.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/11/2019 2:25:30 PM

**Project Location:** Parcel 1

**Weather:**

Sunny and hot 85

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 66kv trench west end

**Scope of Construction Work Monitored/Equipment Used:**

CASE backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue excavations of the West end of the 66kv line. Max depth was 7-8ft bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Top ~5-6' in base/fill. Bottom sediment was poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations for the 66kv are planned to continue.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/12/2019 7:28:38 AM

**Project Location:** Stanton, CA

**Weather:**

**Monitor(s):** jmaldonado

Sunny 81

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 66kv west end and north east corner

**Scope of Construction Work Monitored/Equipment Used:**

CASE Backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to finish the west end excavation of the 66kv line and to dig out a lateral utility trench running north from the line. Max depth 7-8'bgs. ARB also continued excavation the waterline at the north east end of parcel 1 to a depth of ~9'bgs

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Top ~5-6' in base/fill. Bottom sediment was poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand. Excavations for water/gas line were all in the sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today.

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue

**Attachments (Y/N):**

Yes  No

**Photograph Record:**

6/12/2019 8:00:51 AM



Excavation of a duct bank lateral off of the 66kv, going north



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/13/2019 2:27:56 PM

**Project Location:** Stanton, ca

**Weather:**  
Overcast 75

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 1 north east corner and west end of site

**Scope of Construction Work Monitored/Equipment Used:**

CASE backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to finish the trench for the waterline/gas line running along the north boundary of parcel 1. Depth at ~9' bgs. They also excavated a few trenches for utility lines at the west end of parcel 1, north of the 66kv line. This excavation was mostly in base but exceeded the depth of the base into native for approx. 6in.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Top ~5-6' in base/fill. Bottom sediment was poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand. Excavations for water/gas line were all in the sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue tomorrow.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/14/2019 2:35:11 PM

**Project Location:** Stanton, CA

**Weather:**  
Overcast 72

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 1 west end max depth ~7'bgs

**Scope of Construction Work Monitored/Equipment Used:**

CASE excavator

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used excavator to continue excavations of a few trenches for utility lines at the west end of parcel 1, north of the 66kv line. This excavation was mostly in base but exceeded the depth of the base into native for approx. 6in.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Bottom sediment was poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue on Monday.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**

6/14/2019 2:41:03 PM

Overview of utility line trenches north of 66kv line located at the west end of parcel 1



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/17/2019 2:26 PM

**Project Location:** Stanton, CA

**Weather:**  
Overcast 71

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 2 fire protection line along north end

**Scope of Construction Work Monitored/Equipment Used:**

CASE Backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue the fire protection trench they started a couple weeks ago. The trench is running west along the north boundary of parcel 2 to a depth of ~5'bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Top ~4' showed disturbed sediment with bits of concrete and modern trash. Bottom sediment was poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations are planned to continue

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/18/2019 2:20:25 PM

**Project Location:** Stanton, CA

**Weather:**  
Overcast 71

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 2 fire protection line running along the north edge

**Scope of Construction Work Monitored/Equipment Used:**

CASE backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue the fire protection trench they running west along the north boundary of parcel 2 to a depth of ~5'bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Sediment observed was previously disturbed sediment with bits of concrete and modern trash within a moderate brown loamy sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations are planned to continue.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/19/2019 12:48:38 PM

**Project Location:** Stanton, CA

**Weather:**

Sunny 76

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 2 along north edge of site

**Scope of Construction Work Monitored/Equipment Used:**

CASE Backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue the fire protection trench running west along the north boundary of parcel 2 to a depth of ~5'bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Sediment observed was previously disturbed sediment with bits of concrete and modern trash and a layer of organic material within a moderate brown loamy sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue tomorrow

**Attachments (Y/N):**  Yes  No

**Photograph Record:**

6/19/2019 12:52:48 PM



Fire protection line running west, close to ARB trailers



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/20/2019 2:15:19 PM

**Project Location:** Stanton, CA

**Weather:**  
Overcast 72

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 2 north west end by trailers

**Scope of Construction Work Monitored/Equipment Used:**

CASE backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to finish excavating the fire protection line running west along the north end of the parcel. Max depth is ~5-6'bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Sediment observed was previously disturbed sediment with bits of concrete and modern trash and a layer of organic material within a moderate brown loamy sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/21/2019 2:02:52 PM

**Project Location:** Stanton, CA

**Weather:**

Overcast and slight drizzle AM

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 minor grading at surface

**Scope of Construction Work Monitored/Equipment Used:**

Skip loader

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

We spot checked Minor grading occurring along the south boundary of parcel 1 where the 66kv was backfilled.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Sediment observed was previously disturbed sediment of base mixed with moderate brown loamy sand.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue next week

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/24/2019 1:15:20 PM

**Project Location:** Stanton, CA

**Weather:**  
Overcast 74

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 1 66kv line near Dale

**Scope of Construction Work Monitored/Equipment Used:**

CASE Backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to excavate the 66kv line starting from the east end closest to dale. Ground elevation is higher here so they needed to excavate 13' bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Excavation showed top layer of disturbed dark brown sandy loam roughly 2' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue after the expected concrete pour scheduled for the morning.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**

6/24/2019 1:57:44 PM



View of the 66kv trench location closer to dale ave at ~13' depth



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/25/2019 2:25 PM

**Project Location:** Stanton, CA

**Weather:**  
Overcast 71

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

N/A

**Scope of Construction Work Monitored/Equipment Used:**

None

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

No excavations occurred today due to the concrete pour onsite lasting the entire day. Monitors were on stand-by.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

N/A

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations are planned to continue.

**Attachments (Y/N):**  Yes  No

**Photograph Record:**



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/26/2019 2:31:50 PM

**Project Location:** Stanton, CA

**Weather:**

Overcast AM; sunny PM 72

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 66kv excavation east end closest to Dale Ave.

**Scope of Construction Work Monitored/Equipment Used:**

CASE Backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue excavation of the 66kv line extending it west to connect to the previously excavated portion. Ground elevation is higher here so they needed to excavate 13' bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Excavation showed top layer of disturbed dark brown sandy loam roughly 2' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavations will continue tomorrow in attempts to connect the east portion of the trench to the previously excavated portion of the 66kv line.

**Attachments (Y/N):**

Yes  No

**Photograph Record:**

6/26/2019 2:37:13 PM



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/27/2019 2:26:04 PM

**Project Location:** Stanton, CA

**Weather:**

Sunny 75

**Monitor(s):** jmaldonado

**Work Start Time:** 0630

**Work End Time:** 1500

**Construction Company:** ARB

**Contact(s):** Tim Bofman

**Did the (sub)contractors work more than 8 hours (Y/N)?**

Yes  No

**Was the Safety Briefing Attended/Signed:**

Yes  No

**Project Description:**

Parcel 1 66kv excavation east end closest to Dale Ave.

**Scope of Construction Work Monitored/Equipment Used:**

CASE backhoe

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

ARB used a backhoe to continue excavation of the 66kv line extending it west to connect to the previously excavated portion. Ground elevation is higher here so they needed to excavate 13' bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Excavation showed top layer of disturbed dark brown sandy loam roughly 2' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

No paleontological resources were discovered today

**Additional Comments:**

None

**Plan for tomorrow:**

Excavation of the 66kv line will continue

**Attachments (Y/N):**

Yes  No

**Photograph Record:**

6/27/2019 2:29:30 PM



# Daily Monitoring Report - Paleontology

**Project Name:** SERC

**Date:** 6/28/2019 8:46:36 AM

**Project Location:** Stanton, Ca.

**Weather:**  
Cool, cloudy in AM

**Monitor(s):** bbufford

**Work Start Time:** 6:30 am

**Work End Time:** 3:00 pm

**Construction Company:** ARB

**Contact(s):** Tim Boffman

**Did the (sub)contractors work more than 8 hours (Y/N)?**  Yes  No

**Was the Safety Briefing Attended/Signed:**  Yes  No

**Project Description:**

Parcel 1 66kv duct bank

**Scope of Construction Work Monitored/Equipment Used:**

Case backhoe, dump truck

**Monitoring Methods (spot check, screening, bulk, sample collecting, etc):**

Continued excavation of 66kv Duct bank headed west. Depth was approximately 13' bgs.

**Approximate Dimensions of Construction Area Monitored/Survey Area:**

**Geologic Unit(s) Observed:**

Sediment was approximately 2' of disturbed soil followed by light brown fine silty sand. Approximately half of the northern wall was disturbed by previous excavation and crushed gravel fill.

**Lithologic Description(s):**

**Observations of Paleontological Resources:**

None observed.

**Additional Comments:**

None

**Plan for tomorrow:**

No work on Saturday

**Attachments (Y/N):**  Yes  No

**Photograph Record:**

6/28/2019 9:17:02 AM



Excavation in parcel 1 66kv Duct bank

Attachment 8 – ELEC-1

Attachment 8 has been deliberately left blank in this reporting period

Attachment 9 – GEN-2 Master Drawing List

Attachment 9 has been deliberately left blank in this reporting period

Attachment 10 – GEN-3 CBO Payment



Attachment 11 – GEN-6 Special Inspectors

Attachment 11 has been deliberately left blank in this reporting period

Attachment 12 – Gen-7 Discrepancy

<Attachment 12 has been deliberately left blank in this reporting period>

Attachment 13 – GEN-8 Final Inspections

< Attachment 13 has been deliberately left blank in this reporting period >

Attachment 14 – SOIL&WATER-4 Water Use

# MONTHLY WATER USAGE LOG

June 2019

Meter 6917650, 10711 Dale Street, Stanton CA

Date	Reading	Usage CF
6/3/2019	32950	260
6/4/2019	33040	90
6/5/2019	33300	260
6/6/2019	33680	380
6/7/2019	34060	380
6/10/2019	34520	460
6/11/2019	34920	400
6/12/2019	35230	310
6/13/2019	35460	230
6/14/2019	35810	350
6/17/2019	35940	130
6/18/2019	36190	250
6/19/2019	36610	420
6/20/2019	36710	100
6/21/2019	37010	300
6/24/2019	37050	40
6/25/2019	37250	200
6/26/2019	37680	430
6/27/2019	37880	200
6/28/2019	38110	230
<b>TOTAL</b>		<b>5420</b>

Attachment 15 – SOIL&WATER-8 Encroachment Permit

10711 Date

City of Stanton  
Department of Public Works

Project Start Date: 5/1/19  
Project End Date: 8/1/19

CITY OF STANTON  
PAID

PERMIT NO. 19-63

APPLICATION FOR:

- EXCAVATION PERMIT
- STREETS AND SIDEWALKS PERMIT
- STRUCTURES IN STREETS PERMIT
- STREET LIGHTS AND POLES PERMIT

JUN 12 2019

\*\*ANY/ALL SUBCONTRACTORS MUST HAVE A VALID CITY OF STANTON BUSINESS LICENSE \*\*

\*\*\*WHEN CALLING FOR INSPECTION, PLEASE GIVE PERMIT NUMBER\*\*\*

AUTHORIZATION# Check #718096  
ag \$455<sup>00</sup>

SUBCONTRACTOR:  
BUSINESS LICENSE: YES X NO \_\_\_\_\_  
LICENSE NUMBER: 194079

LOCATION/DESCRIPTION OF WORK: INSTALL TEMPORARY DRIVEWAY FOR HEAVY HAUL TRUCKING.  
WILL ULTIMATELY BE REPLACED WITH NEW DRIVEWAY DESIGN IN ANOTHER ENCROACHMENT PERMIT

NAME NICK TASICH: ARB, INC.  
(PLEASE PRINT (Name of Person, Firm, or Corporation for whom Application is made))

CITY BUSINESS LICENSE NO. APPLIED

Hereby makes application to perform the following described work.

NO SKETCH, PICTURE OR PLAN IS SUBMITTED:

SEE ATTACHED SKETCH PLANS CONSISTING OF 1 SHEETS

\*NOTE: ALL UTILITY MARKINGS MUST BE DONE WITH CHALK PAINT ONLY. THE PERMITTEE WILL BE REQUIRED TO PRESSURE WASH OFF ALL UTILITY MARKINGS AT THE COMPLETION OF THE PROJECT IN A MANNER ACCEPTABLE TO THE CITY. BLACK PAINT IS NOT ACCEPTABLE.

INSTALLATION	LENGTH	WIDTH	DESCRIPTION (TYPE OF SURFACE, DEPTH)	FEES	INSPECTION DATE	APV.
DRIVEWAY(RESIDENTIAL / COMMERCIAL)						
CURB ONLY						
CURB AND GUTTER						
CROSS GUTTER						
STORM DRAIN						
SIDE WALK						
PAVEMENT						
EXCAVATION						

Total: \$455<sup>00</sup>

CITY STAFF USE ONLY

ADDITIONAL COMMENTS: Contact city prior start of work.

---

APPROVED [Signature] 4/22/19  
Department of Public Works - Engineering Division Date

In consideration of the granting of this permit it is further agreed by the applicant that the City of Stanton and any Officer or Employee here of shall be saved harmless by the Applicant from any liability or responsibility for any accident, loss or damage to persons or property, happening or occurring as the proximate result of any of the work undertaken under the terms of this application and the permit or permits which may be granted in response, thereto, and that all of said liabilities are hereby assumed by the Applicant. I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all ordinances and State laws regulating building construction. I hereby certify that I am properly registered with and/or licensed as required by the City of Stanton and/or State of California or that I am the legal owner of the above described property, and I certify that in the performance of the work for which this permit is issued shall not employ any person in violation of the workmen's compensation laws of the State of California. "I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workmen's compensation laws of California."

SIGNED \_\_\_\_\_ PHONE NO. 310.874.9612

MAILING ADDRESS 26000 COMMERCENTRE DRIVE, LAKE FOREST, CA 92630 CITY LAKE FOREST

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

NOTE: The application shall make all necessary arrangements and be responsible for the moving of poles, fire hydrants, and other surface and subsurface objects.

INSPECTION IS REQUIRED

Call the Department of Public Works - Division of Engineering not later than noon on the day prior to the day on which you plan to do the work at (714) 890-4205. No faxes will be accepted. This permit must be on the job at all times.

## Public Works Encroachment Permit Standard Conditions of Approval

1. The Permittee must use chalk paint to mark out all utility markings. The project may be shut down if the City discovers chalk paint was not used.
2. The Permittee must remove ALL utility markings in the project area after the conclusion of work (black paint will not be acceptable). The utility markings must be pressured washed off (or other approved method) and not damage any existing surfaces. This includes any markings created by the Permittee or through DigAlert, or any other firm.
3. Work hours shall be Monday through Friday 7:00am – 6:00p, except for major or heavily used streets where work hours shall be 9:00am-3:00pm, unless otherwise approved by the City.
4. The Permittee must call the City to schedule inspection of work at least 24 hours prior to the start of work at **(714) 890-4205**.
  - a. Items requiring inspection include, but are not limited to the following: traffic control, excavation backfilling, temporary resurfacing, and permanent paving.
  - b. A copy of the encroachment permit shall be kept at the site of work and made available to any law enforcement or Public Works staff on demand.
5. No storage of vehicles/equipment/materials is permitted on any City streets overnight.
6. All work done in the public ROW shall be performed in accordance with the Standard Specifications for Public Works Construction (Greenbook) and City standards.
  - a. Steel Plates will be utilized for utility trenching and shall be slip resistant, pinned, recessed, and flushed with the existing pavement surface.
7. A copy of the notification to affected Stanton Residents and Businesses must be submitted to the City for approval prior to start of work. Notices must mention dates and times of expected power outages, water shutoffs, areas of limited access (if applicable).
  - a. One 10 day notice is required.
  - b. One 48 hour notice is required.
8. No Parking notices must be posted 48 hours in advanced to be enforceable.
9. The Permittee is responsible for taking photographs of all pre-existing conditions and all signage and traffic control placed in the City of Stanton right of way.
10. The Permittee will protect in place all existing facilities in the project area and be responsible for repairing them to match the existing conditions.
11. Any damage to concrete segments shall be removed and replaced to the nearest full slab at the direction of the City inspector.
12. All driveways, ingress, and egress points must be left open during the course of the project.
13. A minimum of one lane of traffic must be available in each direction at all times.
14. Permittee shall maintain BMP's per the City's standards.
15. The Permittee is responsible for removing all graffiti that occurs in the project area during construction.
16. A contractor is required to submit to the City a valid certificate of Workman's Compensation insurance prior to the issuance of a Public Works Permit.
17. All contractors performing work in the City will be required to have a business license prior to the issuance of a Public Works Permit.
18. One public works permit will be issued for each job site, which is defined as one project in which work performed within one city block as defined by the California Streets and Highway Code, in which identical work is performed at one time. Any exception will be subject to the City Engineer's approval.
19. Final inspection and City approval is required to close the permits and release all bonds.
20. Additional permit conditions may be applicable at the discretion of the City Engineer.

### Additional Comments for Utility Companies and Public Agencies

1. With the exception of emergency cuts, utility companies and public agencies, or their contractors, shall obtain Public Works Permits for all excavations, backfilling and re-surfacing within the public right-of-way, prior to commencement of work.
2. Emergency cuts are defined as emergency repairs necessary to protect the public health, safety and welfare in which time is of the essence. Emergency cuts by utility companies or public agencies may be performed without prior approval, provided that a Public Works Permit is obtained as soon possible no later than twenty-four (24) hours after the emergency work. In the event the emergency work is performed afterhours when City Hall is closed, a permit must be obtained the next business day. The public works permit fee for the emergency work must be paid during this time frame.
3. Utility companies or public agencies shall submit Public Works Permit applications and plans to the Engineering Division prior to issuance of permits. Emergency repairs do not require prior plan approval. All emergency excavation, backfill and re-surfacing shall be in accordance with Standard Specifications for Public Works Construction (Greenbook) and City of Stanton Standards.
4. All work shall be planned and carried out so that there will be the least possible inconvenience to the traveling public. Traffic control plans must be submitted to the City of Stanton for approval prior to beginning work (must follow the California Joint Utility Traffic Control Manual or WATCH Manual). Traffic control plans prepared by a registered Traffic Engineer may be required, at the discretion of the City Engineer.
5. All repair work associated with the permit must be completed within two weeks of the start date of the permit, unless otherwise approved by the City. Work not completed within this time frame may be require a separate encroachment permit and payment of fee.
6. In addition to applying for Public Works Permits, utility companies shall provide a monthly list of all work performed in the City. Said list shall be submitted to the City Engineering Division at the end of each month and shall include the Permit numbers, dates the work was performed, and status of work.

CREATE TEMPORARY  
DRIVEWAY FOR HEAVY  
HAUL

35'0"



Attachment 16 – STRUC-1 CBO Approvals

## MEMORANDUM – DCBO APPROVAL

**DATE:** June 6, 2019

**TO:** Engineering Manager  
Stanton Energy Reliability Center, LLC/W Power, LLC

**FROM:** Alan Ho, S.E., Senior Structural Engineer  
NV5, Inc.  
[Alan.Ho@nv5.com](mailto:Alan.Ho@nv5.com)  
916.346.8866

**CC:** Eric Rodriguez, Lead Engineer  
NV5, Inc.

**SUBMITTAL:** SERC\_16-AFC-01\_STRUC-1-21.0\_DEMIN WATER SKID\_190524\_PCF

### MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

SERC\_16-AFC-01

--- REVIEWED ---

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Alan Ho  
Reason: Reviewed for Code  
Compliance for skid anchor  
bolt design loads only.

Date: 2019.06.06 06:15:29  
-07'00'

## MEMORANDUM – DCBO APPROVAL

DATE: June 17, 2019

TO: Engineering Manager  
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Ho, S.E., Senior Structural Engineer  
NV5, Inc.  
[Alan.Ho@nv5.com](mailto:Alan.Ho@nv5.com)  
916.346.8866

CC: Eric Rodriguez, Lead Engineer  
NV5, Inc.

SUBMITTAL: SERC\_16-AFC-01\_STRUC-1-18.0\_FENCE DESIGN\_190531\_PCF

### MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

SERC\_16-AFC-01  
--- REVIEWED ---

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Alan Ho  
Reason: Reviewed for Code Compliance.  
Date: 2019.06.17 22:57:55 -07'00'

Attachment 17 – TRANS-1 Permits

< Attachment 17 has been deliberately left blank in this reporting period >

Attachment 18 – Safety Inspection Report



## SERC – PSC MONTHLY SAFETY INSPECTION COMPLIANCE REPORT

JUNE 2019

The following information for the SERC Project safety inspection and compliance to the site as required by CEC, CBO and Wellhead in the month of June 2019.

We have been in compliance with all safety policies and procedures on the SERC project. Personnel have been participating in our Personal Safety Commitment observation program and stop work responsibility has been a big focus to our constantly changing safety culture. We have had One (1) reported Foreign Body in eye by an Employee. This Employee washed the foreign body out, he was seen by Onsite Health & Safety Medical Tech and they verified there was no foreign body remaining. Employee returned to his normal duties.

We have been processing a number of new Personnel for ARB and our Sub-Contractors through the SERC WEAP Orientation and SERC Site specific Safety training. Badges for accountability and security purposes are being issued and parking for all craft workers has been established at the Bethel Church off of Dale Street. Parking there has been good and the effort has been closely coordinated.

We have talked about Ladder Inspections, Emergency Procedures & Situations, Communications: The Key To Our Safety Success and Equipment & Tool Inspections as the topics in our all hands safety meetings for the month of June 2019. We have applied special emphasis on staying hydrated again as it is starting to warm up and summer is here. We are also emphasizing the use of spotters at all times especially around the overhead power lines due to the close proximity of these lines and the tightness of the project location.

Only one first aid was reported, no recordables or loss time Injuries to report for this month.

Tim Draper,

ARB, Inc. Safety Manager,

SERC Project Safety

[tdraper@prim.com](mailto:tdraper@prim.com)

(949) 678-1643

Attachment 19 – CIVIL-3 Non-Compliance Reports

<Attachment 19 has been deliberately left blank in this reporting period>

Attachment 20 - COM-6 Filings & Permits to/by Government Agencies

**PROJECT PERMIT**

Permit Issued To

(Insert Employer's Name, Address and Telephone No.)

ARB, Inc.  
 26000 COMMERCENTRE DR.  
 LAKE FOREST, CA 92630  
  
 (949) 454-7143

No. \_\_\_\_\_  
 Date 1/29/19  
 Region 3  
 District 1  
 Tel. (714) 558-4451

Type of Permit SINGLE PROJECT C2-CONSTRUCTION OF BUILDING/STRUCTURE

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number		194079		Permit Valid through		5/30/20	
Description of Project		Location Address		Anticipated Dates			
				Starting		Completion	
Erecting unit structure to include stacks, assembly will be performed on the ground for stack structure, then erected into place. Max Height: 78 ft.  Note: Alternate Access Plan approved.		8330 Pacific St.		<u>City</u> Stanton		2/4/19	
				<u>County</u> Orange		5/30/20	

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. The employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4

Received From		RECEIVED BY	
Tim Draper		C.C,	
<input type="checkbox"/> Cash	Amount	Date	
<input checked="" type="checkbox"/> Check 711566	\$50.00	1/29/19	

Investigated by \_\_\_\_\_  
 Safety Engineer  
 Approved by Christina [Signature]  
 District Manager  
 Date 5/16/19  
 Date \_\_\_\_\_

No: **2019-903477**

**ANNUAL PERMIT**

Permit Issued To

(Insert Contractor/Project Administrator's Name, Address and Telephone No.)

ARB Inc  
 Attn: Safety Mgr or Chris Moulden  
 26000 Commercentre Dr  
 Lake Forest CA 92630-8816

(949) 454-7108

No. \_\_\_\_\_  
 Date 6/26/2019  
 Region 3  
 District 1  
 Tel. (714) 558-4451

Type of Permit S4-ANNUAL SCAFFOLD/FALSEWORK/VERTICAL SHORING

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number		<b>194079</b>	Permit Valid through		<b>June 26, 2020</b>
Description of Project	Location Address	City and County	Anticipated Dates		
			Starting	Completion	
Various Conditions of Issuance:	Statewide		Jun 26, 2019	Jun 26, 2020	

**This Permit is issued upon the following conditions:**

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. The employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4

Received From		Received By	
Chris Moulden		Permit Unit	
<input type="checkbox"/> Cash	Amount	Date	
<input checked="" type="checkbox"/> Check 716726	\$100.00	6/26/19	

Investigated by \_\_\_\_\_  
 Safety Engineer Date  
 Approved by *Chris Moulden* 6/26/2019  
 District Manager/Permit Unit Date

No: **2019-903476**

**ANNUAL PERMIT**

Permit Issued To

(Insert Contractor/Project Administrator's Name, Address and Telephone No.)

ARB Inc  
 Attn: Safety Mgr or Chris Moulden  
 26000 Commercentre Dr  
 Lake Forest CA 92630-8816

(949) 454-7108

No. \_\_\_\_\_  
 Date 6/26/2019  
 Region 3  
 District 1  
 Tel. (714) 558-4451

Type of Permit T1-ANNUAL TRENCH/EXCAVATION

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number		<b>194079</b>		Permit Valid through		<b>June 26, 2020</b>	
Description of Project		Location Address		City and County		Anticipated Dates	
Various		Statewide					
Conditions of Issuance:							
						Starting	
						Completion	
						Jun 26, 2019	
						Jun 26, 2020	

**This Permit is issued upon the following conditions:**

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. The employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4

Received From		Received By	
Chris Moulden		Permit Unit	
<input type="checkbox"/> Cash	Amount	Date	
<input checked="" type="checkbox"/> Check 716726	\$100.00	6/26/19	

Investigated by \_\_\_\_\_  
 Safety Engineer Date  
 Approved by [Signature] 6/26/2019  
 District Manager/Permit Unit Date

**From:** [noreply@digalert.org](mailto:noreply@digalert.org)  
**To:** [ntasich@prim.com](mailto:ntasich@prim.com)  
**Subject:** DigAlert Confirmation for Ticket A190280441-07B  
**Date:** Wednesday, June 12, 2019 2:20:23 PM

---

**EXTERNAL EMAIL**

EMLCFM 01559B USAS 06/12/19 14:20:21 A190280441-07B RNEW NORM POLY LREQ

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DO NOT REPLY TO THIS EMAIL.

This is not a certified copy of the ticket.

Ticket: A190280441 Rev: 07B Created: 06/12/19 14:20 User: DIRECT Chan: WEB

Work Start: 06/12/19 14:19 Legal Start: 06/12/19 14:20 Expires: 07/10/19 23:59

Response required: N Priority: 2

**Excavator Information**

Company: ARB, INC.  
Co Addr: 26000 COMMERCENTRE DRIVE  
City : LAKE FOREST State: CA Zip: 92630  
Created By: NICHOLAS TASICH Language: ENGLISH  
Office Phone: 949-598-9242 SMS/Cell:  
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ  
Site Phone: 661-343-1481 Site SMS/Cell:  
Site Email:

**Excavation Area**

State: CA County: ORANGE Place: STANTON  
Zip:  
Location: Address/Street: 10711 DALE AVE  
: X/ST1: MONROE AVE  
:  
: AREA BOUNDED E/BY DALE AVE, S/BY APPROX 305FT N/OF N/INTER OF  
MONROE  
: AVE, W/BY APPROX 1397FT W/OF DALE AVE, N/BY APPROX 441FT N/OF  
N/INTER  
: OF MONROE AVE;

**Delineated Method: WHITEPAINT**

Work Type: INSTALL UGRND UTIL, BRIDGE WORK, WALL WORK  
Work For : WELLHEAD ELECTRIC  
Permit: 16-AFC-01 Job/Work order:  
1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

**Lat/Long**

Center Generated (NAD83): 33.807366/-117.989592 33.807418/-117.984107  
: 33.806196/-117.989581 33.806248/-117.984096  
Excavator Provided: 33.806648/-117.984594 33.807001/-117.984598  
: 33.806951/-117.989093 33.806613/-117.989092

**Map link:**

[https://newtin.digalert.org/newtinweb/map\\_tkt.nap?TRG=0AjGg5s9kCj7iDl-1](https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=0AjGg5s9kCj7iDl-1)

**Comments:**

\*\*RESEND\*\*UPDATE ONLY-WORK CONT PER NICK TASICH--[JLL 02/15/2019 10:37:32 AM]  
\*\*RESEND\*\*REQUEST REMARKS FROM ALL-WORK CONT W/SIDE TO APPROX 100FT W/OF THE

W/SIDE OF DALE AVE (TO FENCE LINE) FRM APPROX 305 N/OF THE N/INTER OF MONROE AVE  
N/TO APPROX 441FT N/OF MONROE AVE. PER NICK TASICH--[JLL 02/15/2019 10:38:02 AM]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/14/19 13:21]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 04/10/19 07:48]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER JOSH KRAHL--[DIRECT 05/02/2019 08:52 AM]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER THOMAS JIMENEZ--[DIRECT 05/20/2019 01:16 PM]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER THOMAS JIMENEZ--[DIRECT 06/12/2019 02:20 PM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELECOM-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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**From:** [noreply@digalert.org](mailto:noreply@digalert.org)  
**To:** [ntasich@prim.com](mailto:ntasich@prim.com)  
**Subject:** DigAlert Confirmation for Ticket A190280541-07B  
**Date:** Monday, June 24, 2019 6:53:53 AM

---

**EXTERNAL EMAIL**

EMLCFM 00197B USAS 06/24/19 06:53:51 A190280541-07B RNEW NORM POLY LREQ

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Ticket: A190280541 Rev: 07B Created: 06/24/19 06:53 User: DIRECT Chan: WEB

Work Start: 06/24/19 06:53 Legal Start: 06/24/19 06:53 Expires: 07/22/19  
23:59

Response required: N Priority: 2

**Excavator Information**

Company: ARB, INC  
Co Addr: 26000 COMMERCENTRE DRIVE  
City : LAKE FOREST State: CA Zip: 92630  
Created By: NICK TASICH Language: ENGLISH  
Office Phone: 310-874-9612 SMS/Cell: 310-874-9612  
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ  
Site Phone: 661-343-1481 Site SMS/Cell:  
Site Email:

**Excavation Area**

State: CA County: ORANGE Place: STANTON  
Zip:  
Location: Address/Street: 10711 DALE AVE  
: X/ST1: STANDUSTRIAL ST  
:  
: IN REAR OF ADDRESS  
: \*\* CALL WITH ETA \*\*

Delineated Method: WHITEPAINT

Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION

Work For : WELLHEAD ELECTRIC

Permit: 16-AFC-01

Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

**Lat/Long**

Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017  
: 33.806210/-117.984990 33.806217/-117.984002

Excavator Provided:

**Map link:**

[https://newtin.digalert.org/newtinweb/map\\_tkt.nap?TRG=0BiHp6rAjEh9gFj-3](https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=0BiHp6rAjEh9gFj-3)

**Comments:**

\*\*RESEND\*\*UPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58  
AM]

\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM]

\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 06/24/2019 06:53 AM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELEC-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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**From:** [noreply@digalert.org](mailto:noreply@digalert.org)  
**To:** [ntasich@prim.com](mailto:ntasich@prim.com)  
**Subject:** DigAlert Confirmation for Ticket A190280543-07B  
**Date:** Monday, June 24, 2019 6:53:52 AM

---

**EXTERNAL EMAIL**

EMLCFM 00196B USAS 06/24/19 06:53:49 A190280543-07B RNEW NORM POLY LREQ

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Ticket: A190280543 Rev: 07B Created: 06/24/19 06:53 User: DIRECT Chan: WEB

Work Start: 06/24/19 06:53 Legal Start: 06/24/19 06:53 Expires: 07/22/19 23:59

Response required: N Priority: 2

**Excavator Information**

Company: BILL'S BACKHOE  
Co Addr: 13203 BARLIN AVE  
City : DOWNEY State: CA Zip: 90242  
Created By: NICK TASICH Language: ENGLISH  
Office Phone: 310-874-9612 SMS/Cell: 310-874-9612  
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ  
Site Phone: 661-343-1481 Site SMS/Cell:  
Site Email:

**Excavation Area**

State: CA County: ORANGE Place: STANTON  
Zip:  
Location: Address/Street: 10711 DALE AVE  
: X/ST1: STANDUSTRIAL ST  
:  
: IN REAR OF ADDRESS  
: \*\* CALL WITH ETA \*\*

Delineated Method: WHITEPAINT

Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION

Work For : WELLHEAD ELECTRIC

Permit: 16-AFC-01

Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

**Lat/Long**

Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017  
: 33.806210/-117.984990 33.806217/-117.984002

Excavator Provided:

**Map link:**

[https://newtin.digalert.org/newtinweb/map\\_tkt.nap?TRG=8B8rFhGm5s1sxy8-f](https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=8B8rFhGm5s1sxy8-f)

**Comments:**

\*\*RESEND\*\*UPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58 AM]

\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM]

\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 06/24/2019 06:53 AM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELEC-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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**From:** [noreply@digalert.org](mailto:noreply@digalert.org)  
**To:** [ntasich@prim.com](mailto:ntasich@prim.com)  
**Subject:** DigAlert Confirmation for Ticket A190280551-07B  
**Date:** Monday, June 24, 2019 6:53:55 AM

---

**EXTERNAL EMAIL**

EMLCFM 00198B USAS 06/24/19 06:53:53 A190280551-07B RNEW NORM POLY LREQ

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Ticket: A190280551 Rev: 07B Created: 06/24/19 06:53 User: DIRECT Chan: WEB

Work Start: 06/24/19 06:53 Legal Start: 06/24/19 06:53 Expires: 07/22/19 23:59

Response required: N Priority: 2

**Excavator Information**

Company: ORTIZ ENTERPRISE INC  
Co Addr: 6 CUSHING #200  
City : LAKE FOREST State: CA Zip: 92618  
Created By: NICK TASICH Language: ENGLISH  
Office Phone: 310-874-9612 SMS/Cell: 310-874-9612  
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ  
Site Phone: 661-343-1481 Site SMS/Cell:  
Site Email:

**Excavation Area**

State: CA County: ORANGE Place: STANTON  
Zip:  
Location: Address/Street: 10711 DALE AVE  
: X/ST1: STANDUSTRIAL ST  
:  
: IN REAR OF ADDRESS  
: \*\* CALL WITH ETA \*\*

Delineated Method: WHITEPAINT

Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION

Work For : WELLHEAD ELECTRIC

Permit: 16-AFC-01 Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

**Lat/Long**

Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017  
: 33.806210/-117.984990 33.806217/-117.984002

Excavator Provided:

**Map link:**

[https://newtin.digalert.org/newtinweb/map\\_tkt.nap?TRG=8B8rFhGm5s2p8nA-d](https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=8B8rFhGm5s2p8nA-d)

**Comments:**

\*\*RESEND\*\*UPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45]  
\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58 AM]

\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM]

\*\*RENEW TICKET\*\* WORK CONTINUING PER NICK TASICH--[DIRECT 06/24/2019 06:53 AM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELEC-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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Attachment 21 - COM-11 Reporting of Complaints, Notices, and Citations

SERC  
COMPLAINT REPORT AND RESOLUTION LOG

Incident #	Incidents Occurred this Period	Resolution Actions Taken	Status of Unresolved Actions form Previous MCR's
01	Complaint about Track-out on Dale Ave.	<p>All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering Dale Ave.</p> <ol style="list-style-type: none"> <li>1. Additional gravel was added to the existing ramps at the tire washing/cleaning station</li> <li>2. Additional laborers were assigned to the Dale Ave entrance when there is a risk of any track-out to scrape and sweep immediately. A Sweeping machine is being kept on location and be used as necessary to clean up all track-out.</li> <li>3. The assigned laborers will also be sweeping the rumble plates when build-up occurs to maintain the efficiency of the plates.</li> <li>4. Above and beyond, the contractor added another set of rumble plates and gravel at the Dale Ave. entrance.</li> </ol>	N/A
02	Noise Complaint	<p>SERC received a noise complaint at 9:33am on Friday, April 5, 2019. The complaint came from a Mr. Hill who lives at the Katella Mobile Home Estates located at 10800 Dale Ave, Stanton, CA. Mr. Hill complained about the use of a chainsaw at 3:10 am on Saturday morning (3/30/19) and hearing an air compressor and the hammering of nails at 3:25 am on Monday morning (4/1/19). Representatives from SERC spoke with Mr. Hill at 2:19pm on Friday April 5<sup>th</sup> to better understand his complaint.</p> <p>SERC investigated the incident with ARB and confirmed that there was no activity on the SERC site during these hours. The Noise Complaint Resolution Form (COC NOISE 2) was submitted to the CPM documenting the complaint.</p>	

Attachment 22 – MECH-1 CBO Inspection Approvals

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/6/2019

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_COC\_GSU Pedestals\_20190606

CONTRACTOR: ARB,Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached drawings GSU Pedestals

TYPE OF INSPECTION:  New  Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

GSU Pedestals

- \* Form Work
- \* Rebar Inspection
- \* Cleanliness
- \* Water Stops

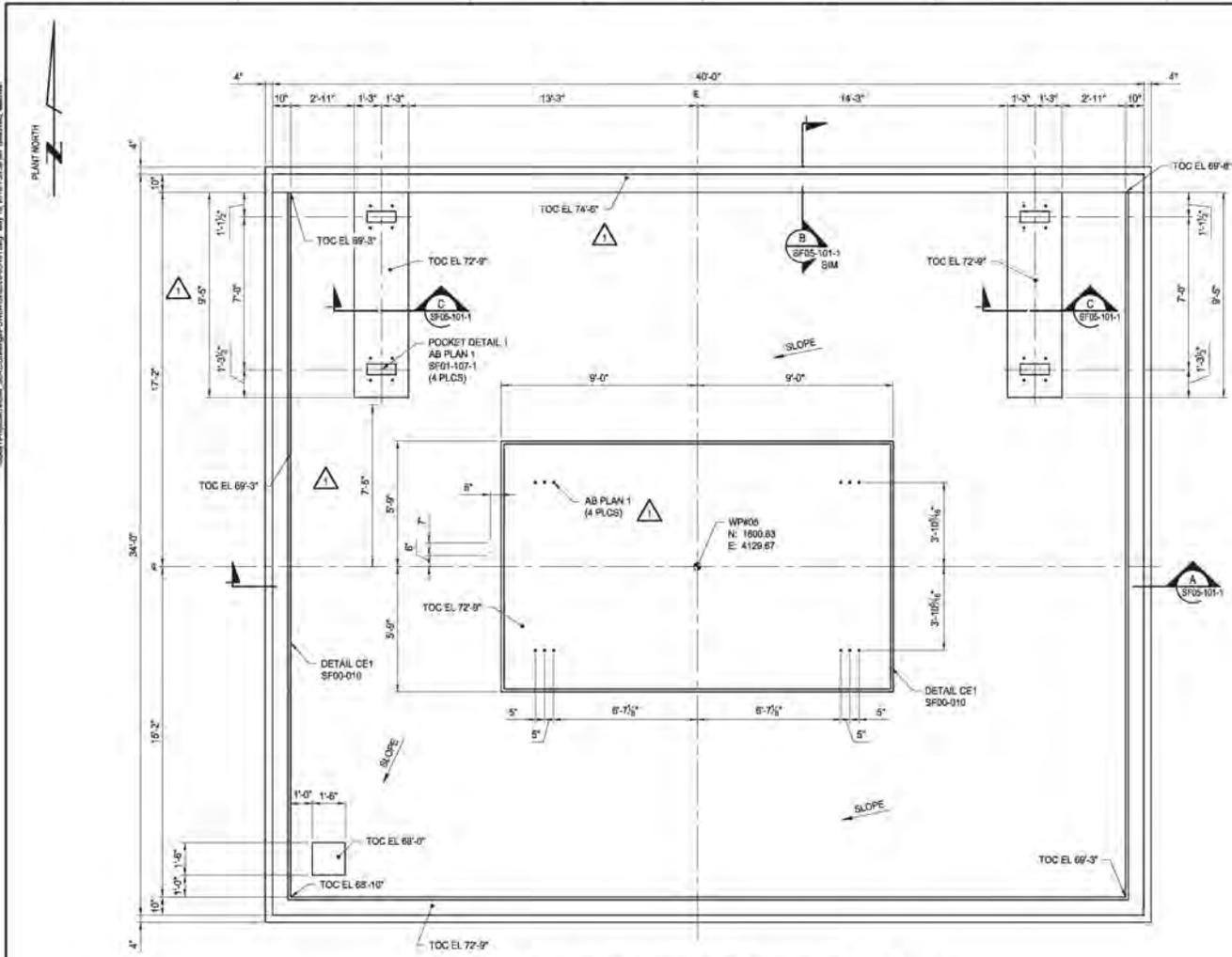
REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB,Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.05.31 11:12:54 -0700

DATE: 5/31/2019

OFFICES NATIONWIDE

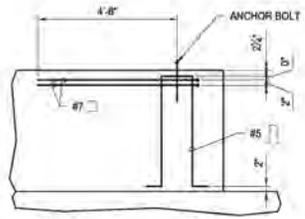
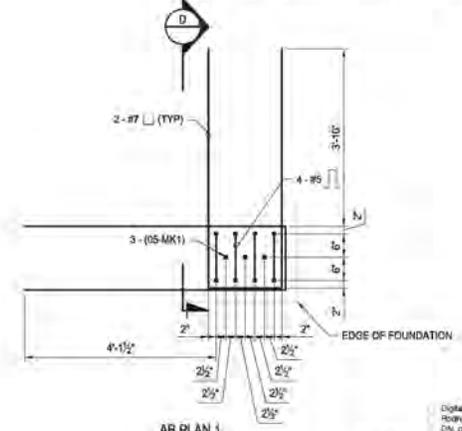




SEISMIC DESIGN CRITERIA - GSU	
BASIC SEISMIC FORCE RESISTING SYSTEM	NON-STRUCTURAL
DESIGN BASE SHEAR (KIPS)	0.31g
COMPONENT AMPLIFICATION FACTOR (A <sub>c</sub> )	1.0
DESIGN RESPONSE FACTOR (R <sub>s</sub> )	2.5
BASE SHEAR (KIPS)	85.8

SEISMIC DESIGN CRITERIA - UTILITY RACK	
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF
DESIGN BASE SHEAR (KIPS)	0.52g
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.4
RESPONSE MODIFICATION COEFFICIENT (R)	3.25

- NOTES:
- FOR FOUNDATION LOCATION, SEE DWG SF05-105.
  - FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
  - FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  - FOR SECTIONS AND DETAILS, SEE DWG SF05-101-1 (UON).
  - FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050.
  - FOR GSU TRANSFORMER STEEL FRAMING PLAN, SEE DWG S805-101.
  - SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000.



Digitally signed by Eric Rodriguez, SE  
DN: cn=Eric Rodriguez, SE, o=ERS, Inc., ou=Energy, email=erodriguez@ers.com, c=US  
Reason: I am the issuer of this signature.  
FOUNDATION ONLY by Eric Rodriguez  
Date: 2019.05.15 10:51:19 -0700

W.H. ROMINES, JR., CIVIL PE # C 27473  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF POWER ENGINEERS, INC.

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BSC	SPC

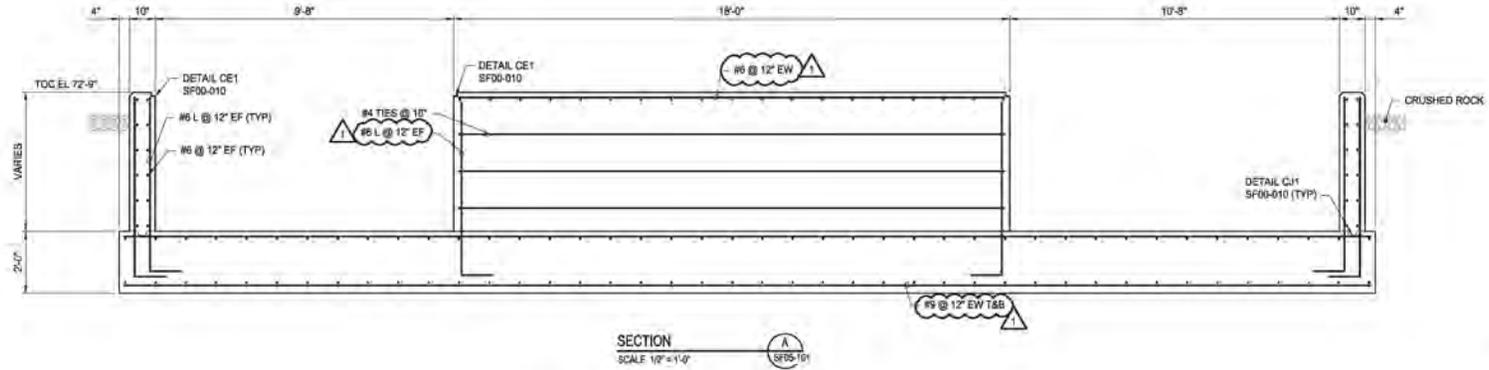
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD
2	ISSUED FOR CONSTRUCTION	05-10-2019	MCB	JDH	WHR	JKB
1	ISSUED FOR CONSTRUCTION	02-05-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

DSGN SPC 01-23-2018  
 DRN MCB 01-23-2018  
 CKD WHR 05-10-2019  
 SCALE: AS NOTED  
 FOR ZONE ONLY

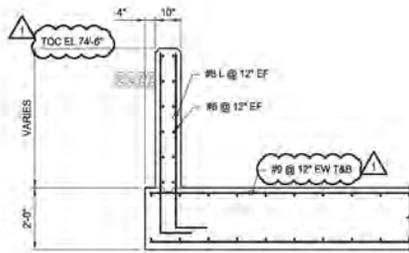
1841 HOSBURN, P.O. BOX 1000  
 DUBLING PARK, GARDENS 9008-1000  
 (913) 651-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149385	REV 2
SWITCHYARD AREA	DRAWING NUMBER SF05-101	
GENERATOR STEP-UP TRANSFORMER FOUNDATION PLAN		

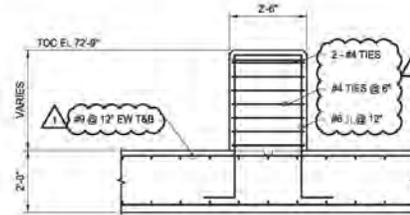
- NOTES:**
1. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
  2. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  3. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-000.



SECTION A  
SCALE 1/2" = 1'-0"



SECTION B  
SCALE 1/2" = 1'-0"



SECTION C  
SCALE 1/2" = 1'-0"

Digitally signed by Sam Campbell, DN: cn=Sam Campbell, o=POWER ENGINEERS, email=s.campbell@powereng.com, c=US, Reason: I am the signer of this document. PKCS#12 encrypted. Date: 2019.05.16 10:51:24 -0700

POWER ENGINEERS  
 STATE OF CALIFORNIA  
 SAMUEL P. CAMPBELL  
 CIVIL  
 80385  
 05-05-19  
 SAMUEL P. CAMPBELL, CIVIL PE# 030805  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

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INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BSC	SPC

REV	DESCRIPTION	DATE	DRN	DSGN	CKD	APPD
1	ISSUED FOR CONSTRUCTION	02-05-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

DSGN	SPC	DATE
DRN	MCB	01-24-2018
CKD	PJK	01-24-2018
CKD	PJK	02-05-2018

SCALE: AS NOTED  
FOR 2x44 DWG ONLY

Stanton Energy Reliability Center, LLC  
 450 Vasco Dr, Suite A - Sacramento, CA 95811  
 Phone: 916-979-9488 Fax: 916-980-2148

**POWER ENGINEERS**  
 18941 FOSTER BLVD, P.O. BOX 1000  
 OVERLAND PARK, KANSAS 66205-1000  
 (913) 681-2801 www.powereng.com

STANTON ENERGY RELIABILITY CENTER		JOB NUMBER	REV
SWITCHYARD AREA		149358A	1
GENERATOR STEP-UP TRANSFORMER FOUNDATION SECTIONS AND DETAILS		DRAWING NUMBER	SF05-101-1

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/6/2019 10:00 a.m.

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_COC\_Power Block Wall Footing\_20190606

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached

TYPE OF INSPECTION:       New               Re-Inspection              Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Drawing # SF00-030 & SF02-115

- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.06.08:59:03-0700'

DATE: 6/6/2019

OFFICES NATIONWIDE

## INSPECTION RESULT

---

**INSPECTION MADE:** SERC\_16-AFC-01\_COC\_Power Block Wall Footing\_20190606

**DATE / TIME:** 20190606 0900 **INSPECTOR:** Mary Lee Knolle

- APPROVED**  **AT RISK**  
 **DISAPPROVED**  **PHASE PASS**  
 **REINSPECTION REQUIRED**

**SIGNATURE:**

SERC\_16-AFC-01  
--INSPECTED--  
The undersigned hereby certifies that the above information is true and correct to the best of my knowledge and belief, and that I am a duly Licensed Building Official in the State of California. I am not providing this information for any other purpose, and I am not providing this information to any other person. I am not providing this information to any other person. I am not providing this information to any other person.

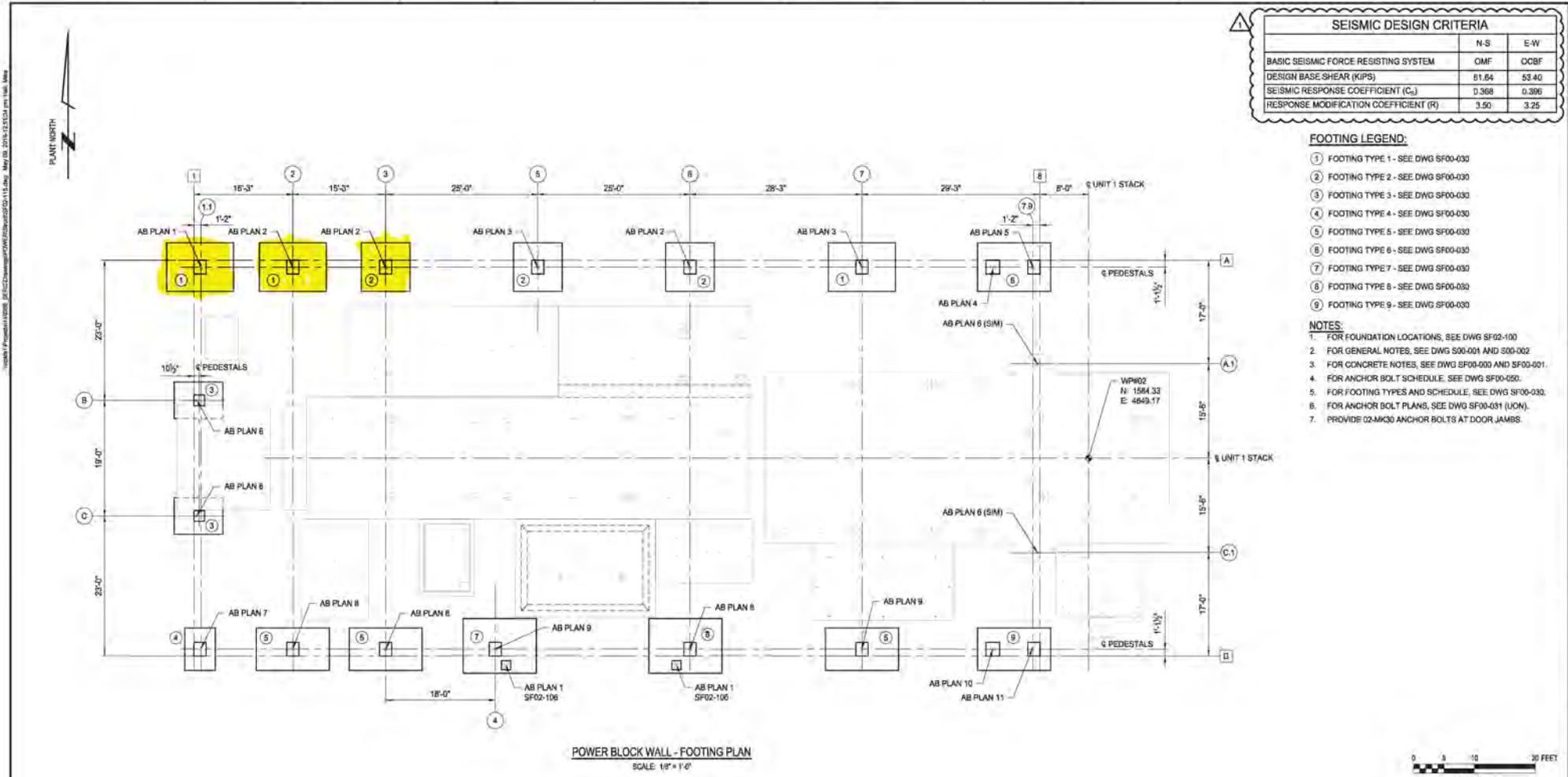
Digitally signed by Mary Lee Knolle  
Date: 2019.06.06 11:02:17 -07'00'

**DATE:** June 6, 2019

**COMMENTS:**

No exceptions taken per plans SF02-115, SF00-030

ISSUED FOR CONSTRUCTION - 20190516



SEISMIC DESIGN CRITERIA		
	N-S	E-W
BASIC SEISMIC FORCE RESISTING SYSTEM	OMF	OCBF
DESIGN BASE SHEAR (KIPS)	51.64	53.40
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.368	0.396
RESPONSE MODIFICATION COEFFICIENT (R)	3.50	3.25

**FOOTING LEGEND:**

- ① FOOTING TYPE 1 - SEE DWG SF00-030
- ② FOOTING TYPE 2 - SEE DWG SF00-030
- ③ FOOTING TYPE 3 - SEE DWG SF00-030
- ④ FOOTING TYPE 4 - SEE DWG SF00-030
- ⑤ FOOTING TYPE 5 - SEE DWG SF00-030
- ⑥ FOOTING TYPE 6 - SEE DWG SF00-030
- ⑦ FOOTING TYPE 7 - SEE DWG SF00-030
- ⑧ FOOTING TYPE 8 - SEE DWG SF00-030
- ⑨ FOOTING TYPE 9 - SEE DWG SF00-030

- NOTES:**
- 1. FOR FOUNDATION LOCATIONS, SEE DWG SF02-100
  - 2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002
  - 3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001
  - 4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050
  - 5. FOR FOOTING TYPES AND SCHEDULE, SEE DWG SF00-030
  - 6. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031 (UON)
  - 7. PROVIDE 02-M300 ANCHOR BOLTS AT DOOR JAMBS.

**POWER BLOCK WALL - FOOTING PLAN**  
SCALE: 1/8" = 1'-0"



Digitally signed by Eric Rodriguez, DN: cn=Eric Rodriguez, SE=en@NYS.rr.com, ou=Energy, email=erodriguez@nys.rr.com, c=US  
 Reason: Reviewed for Code Compliance  
 FOUNDATION ONLY by Alan Ho, S.E.I.  
 Date: 2019.05.16 09:34:30 -0700



W.H. ROMINES, JR., CIVIL PE # C27474  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

SF02-115.DWG

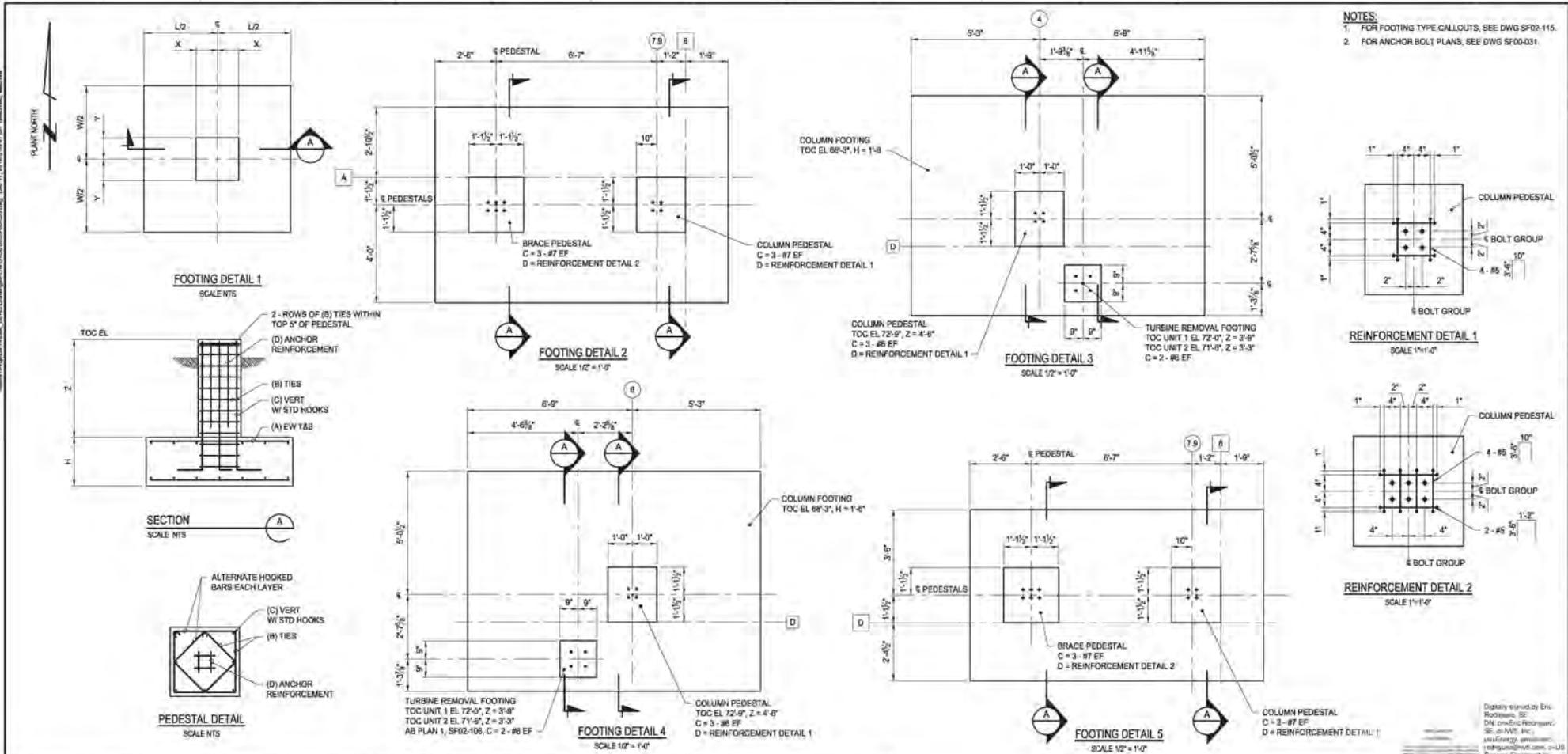
INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	BMS		BSC	SPC

REV	ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	CKD	APPD
1	ISSUED FOR CONSTRUCTION	05-09-2019	MJH	WHR	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB
REVISIONS						

Stanton Energy Reliability Center, LLC  
 650 West Dr, Suite A - Sacramento, CA 95811  
 Phone: 916-492-6485 Fax: 916-880-3118



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149355	REV 1
CTG-01 AREA	DRAWING NUMBER SF02-115	
POWER BLOCK WALL FOOTING PLAN		



- NOTES:**  
 1. FOR FOOTING TYPE CALLOUTS, SEE DWG SF02-115.  
 2. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031.

FOOTING TYPE SCHEDULE													
TYPE	QTY	L	W	H	X	Y	Z	A	B	C	D	TOC EL	FOOTING DETAIL
1	6	11'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
2	6	8'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
3	4	8'-0"	5'-0"	1'-6"	10'-0"	10'-0"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
4	2	5'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
5	6	12'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
6	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	72'-9"	2
7	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	3				
8	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	4				
9	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	SEE DETAIL	72'-9"	5

INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	I&G	STRUCT
DATE	12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT	WHR	BMS		BSC	SPC

0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD

SCALE: AS NOTED  
 FOR ZONE 2 ONLY

Stanton Energy Reliability Center, LLC  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

STANTON ENERGY RELIABILITY CENTER  
 JOB NUMBER: 14935A  
 REV: 9  
 DRAWING NUMBER: SF00-030  
 STRUCTURAL FOUNDATION FOOTING TYPES AND SCHEDULE

Professional Engineer Seal for Samuel P. Campbell, Civil PE #130815, State of California, 12-17-18.

SF00-030.DWG

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/10/2019

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_COC\_Power Block Walls Footing\_20190610

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached

TYPE OF INSPECTION:       New               Re-Inspection              Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Drawing # SF00-030 & SF02-115

- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.10.07:34:50-0700'

DATE: 6/10/2019

OFFICES NATIONWIDE

## INSPECTION RESULT

---

**INSPECTION MADE:** SERC\_16-AFC-01\_COC\_Power Block Walls Footing\_20190610

**DATE / TIME:** 20190610 0900 **INSPECTOR:** Mary Lee Knolle

- APPROVED**  **AT RISK**  
 **DISAPPROVED**  **PHASE PASS**  
 **REINSPECTION REQUIRED**

**SIGNATURE:**

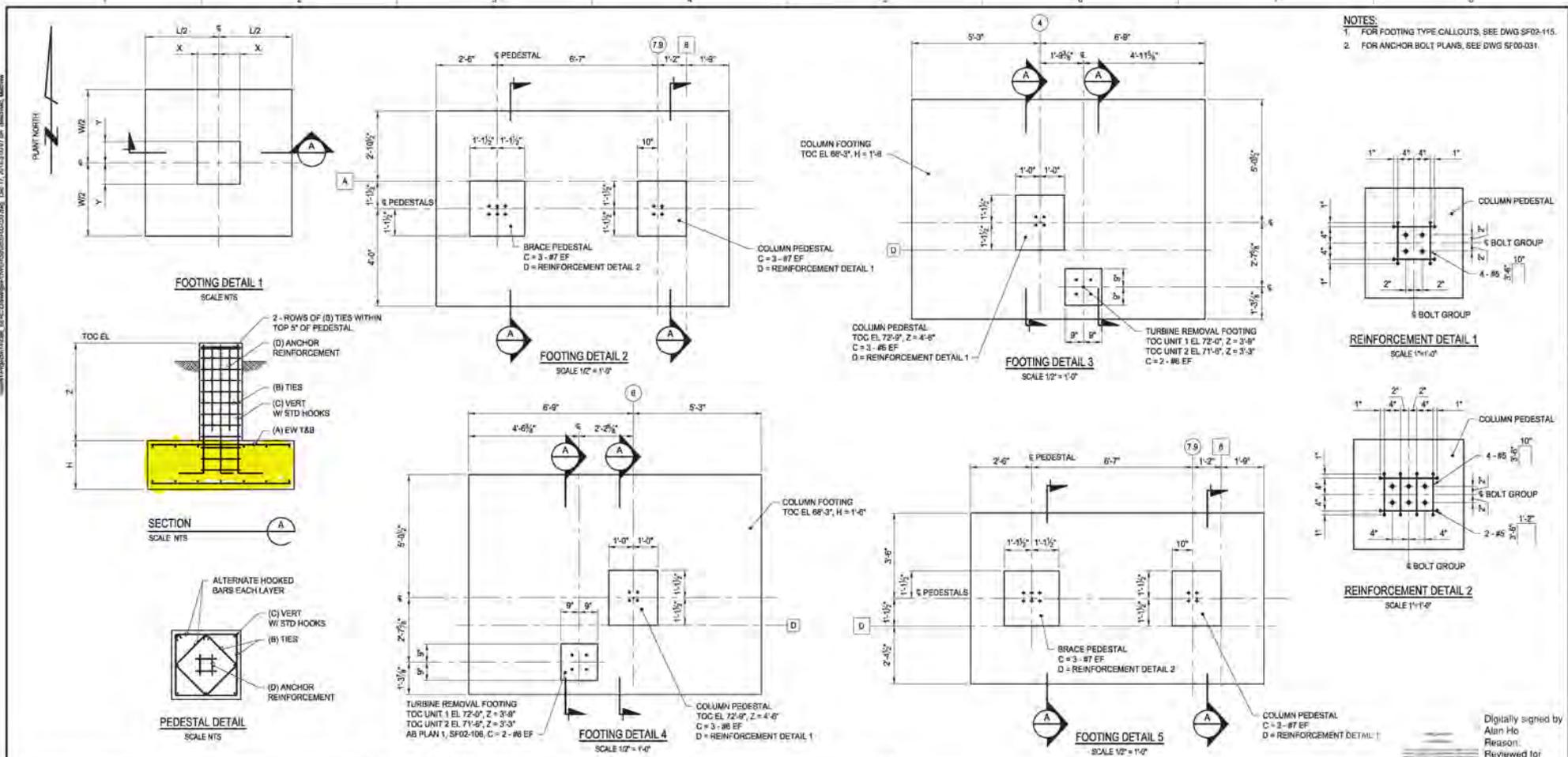
SERC\_16-AFC-01  
--INSPECTED--  
The undersigned hereby certifies that the above information is true and correct to the best of my knowledge and belief, and that I am a duly Licensed Building Official in the State of California. I am not providing this information for the purpose of obtaining a license or other professional credential. I am not providing this information for the purpose of obtaining a license or other professional credential. I am not providing this information for the purpose of obtaining a license or other professional credential.

Digitally signed by Mary Lee Knolle  
Date: 2019.06.14 09:11:00 -07'00'

**DATE:** June 10, 2019

**COMMENTS:**

Per plans attached no exceptions taken



FOOTING TYPE SCHEDULE

TYPE	QTY	L	W	H	X	Y	Z	A	B	C	D	TOC EL	FOOTING DETAIL
1	6	11'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
2	6	8'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
3	4	8'-0"	5'-0"	1'-6"	10'-0"	10'-0"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
4	2	5'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
5	6	12'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
6	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	72'-9"	2
7	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	3				
8	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	4				
9	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	SEE DETAIL	72'-9"	5

SF00-030.DWG

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DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE	12-13-2018	12-13-2018			12-13-2018	12-13-2018
INT	WHR	BMS			BSC	SPC

0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD

DSGN SPC 08-06-2018  
DRN MCB 08-06-2018  
CKD PJK 12-17-2018  
SCALE: AS NOTED  
FOR ZONE 2 ONLY

Stanton Energy Reliability Center, LLC  
650 West Dr. Suite A - Sacramento, CA 95811  
Phone: 916-492-0485 Fax: 916-498-0318

**POWER ENGINEERS**  
18041 HOSBORN P.O. BOX 1020  
DUBLINLAND PARK, SANRAMON, CALIFORNIA 94568-1020  
(913) 881-2961 www.powereng.com

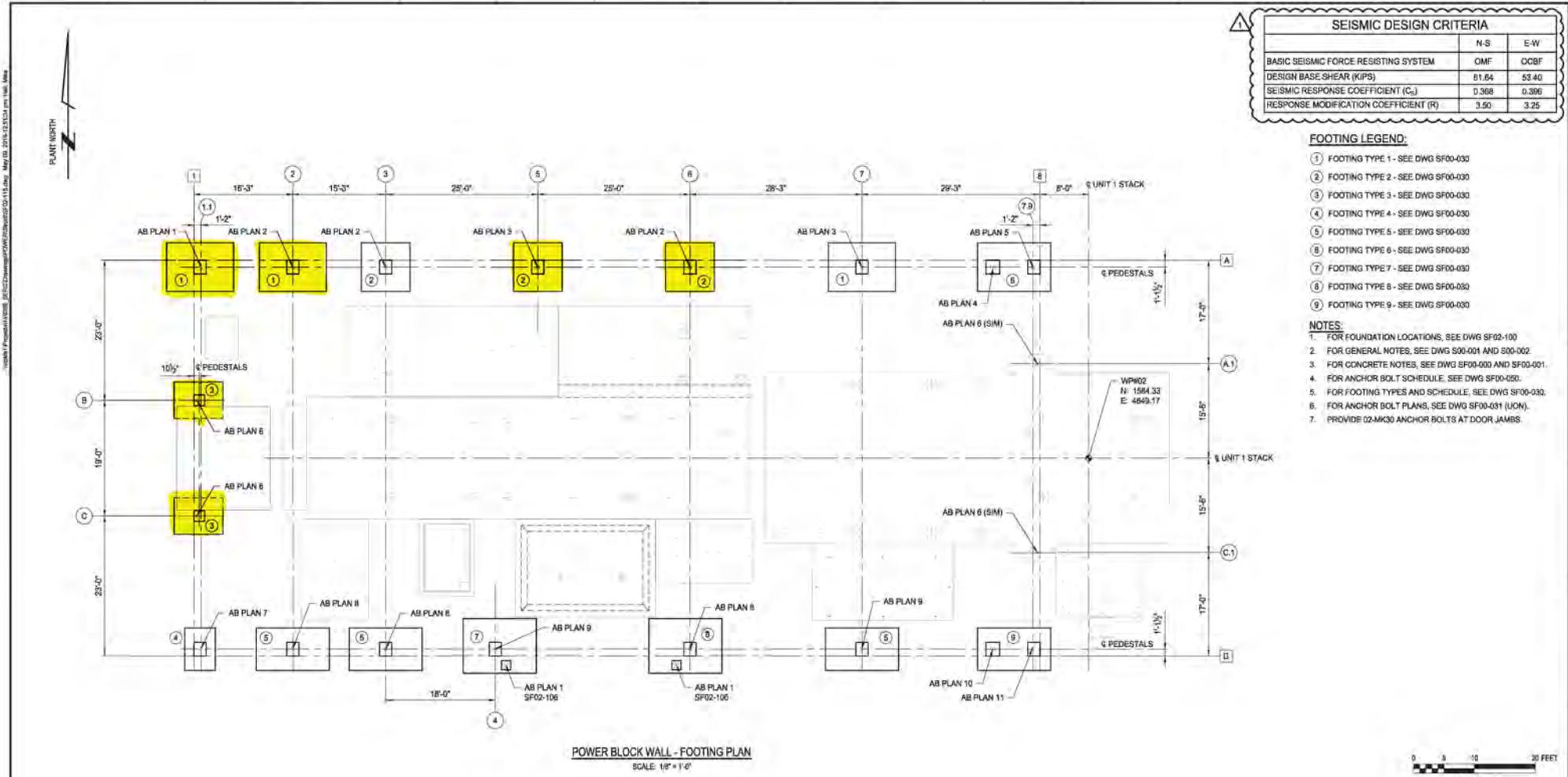
STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 14939A	REV 9
STRUCTURAL FOUNDATION FOOTING TYPES AND SCHEDULE	DRAWING NUMBER SF00-030	

Digitally signed by Alan Ho Reason  
Reviewed for Code Compliance  
Date: 2019.04.28 17:59:03 -07'00'

**REGISTERED PROFESSIONAL ENGINEER**  
SAMUEL P. CAMPBELL  
80906  
CIVIL  
STATE OF CALIFORNIA  
12-17-18

SAMUEL P. CAMPBELL, CIVIL PE #1328105  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680





SEISMIC DESIGN CRITERIA		
	N-S	E-W
BASIC SEISMIC FORCE RESISTING SYSTEM	OMF	OCBF
DESIGN BASE SHEAR (KIPS)	51.64	53.40
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.368	0.396
RESPONSE MODIFICATION COEFFICIENT (R)	3.50	3.25

**FOOTING LEGEND:**

- ① FOOTING TYPE 1 - SEE DWG SF00-030
- ② FOOTING TYPE 2 - SEE DWG SF00-030
- ③ FOOTING TYPE 3 - SEE DWG SF00-030
- ④ FOOTING TYPE 4 - SEE DWG SF00-030
- ⑤ FOOTING TYPE 5 - SEE DWG SF00-030
- ⑥ FOOTING TYPE 6 - SEE DWG SF00-030
- ⑦ FOOTING TYPE 7 - SEE DWG SF00-030
- ⑧ FOOTING TYPE 8 - SEE DWG SF00-030
- ⑨ FOOTING TYPE 9 - SEE DWG SF00-030

- NOTES:**
- 1. FOR FOUNDATION LOCATIONS, SEE DWG SF02-100
  - 2. FOR GENERAL NOTES, SEE DWG 500-001 AND 500-002
  - 3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001
  - 4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050
  - 5. FOR FOOTING TYPES AND SCHEDULE, SEE DWG SF00-030
  - 6. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031 (UON)
  - 7. PROVIDE 02-MK30 ANCHOR BOLTS AT DOOR JAMBS.

**POWER BLOCK WALL - FOOTING PLAN**  
SCALE: 1/8" = 1'-0"



Digitally signed by Eric Rodriguez, DN: cn=Eric Rodriguez, SE=en-NYS, Inc., ou=Energy, email=erodriguez@en-nys.com, c=US  
 Reason: Reviewed for Code Compliance  
 FOUNDATION ONLY by Alan Ho, SEI  
 Date: 2019.05.16 09:34:30 -0700

W.H. ROMINES, JR., CIVIL PE # C27474  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

SF02-115.DWG

DISC	INTER-DISCIPLINE REVIEW					
	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE	12-13-2018	12-13-2018			12-13-2018	12-13-2018
INIT	WHR	BMS			BSC	SPC

REV	DATE	DRN	DSGN	CKD	APPD
1	05-09-2019	MJH	WHR	PJK	JKB
0	12-17-2018	MCB	SPC	PJK	JKB

Stanton Energy Reliability Center, LLC  
 630 West Dr. Suite A - Sacramento, CA 95811  
 Phone: 916-492-6485 Fax: 916-880-5118

1841 FOSTER, P.O. BOX 1000  
 OVERLAND PARK, KANSAS 66055-1000  
 (913) 681-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149388	REV 1
CTG-01 AREA	DRAWING NUMBER SF02-115	
POWER BLOCK WALL FOOTING PLAN		

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/13/19

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_COC\_Power Block Walls Footing\_20190613

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION:       New                       Re-Inspection                      Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Drawing # SF00-030 & SF02-115

- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.13.14:38:18-0700'

DATE: 6/13/2019

## INSPECTION RESULT

---

**INSPECTION MADE:** SERC\_16-AFC-01\_COC\_Power Block Walls Footing\_20190613

**DATE / TIME:** 20190613 1300 **INSPECTOR:** Mary Lee Knolle

- APPROVED**  **AT RISK**  
 **DISAPPROVED**  **PHASE PASS**  
 **REINSPECTION REQUIRED**

**SIGNATURE:**

SERC\_16-AFC-01  
--INSPECTED--  
The inspection described on the report complies with the 2014  
edition of all applicable building codes, standards, specifications,  
Contract and Agreement of the Building, Subcontractors, or  
Other entities and specifications. No violations or  
deficiencies were observed or reported. No violations or  
deficiencies were observed or reported. No violations or  
deficiencies were observed or reported. No violations or  
deficiencies were observed or reported.

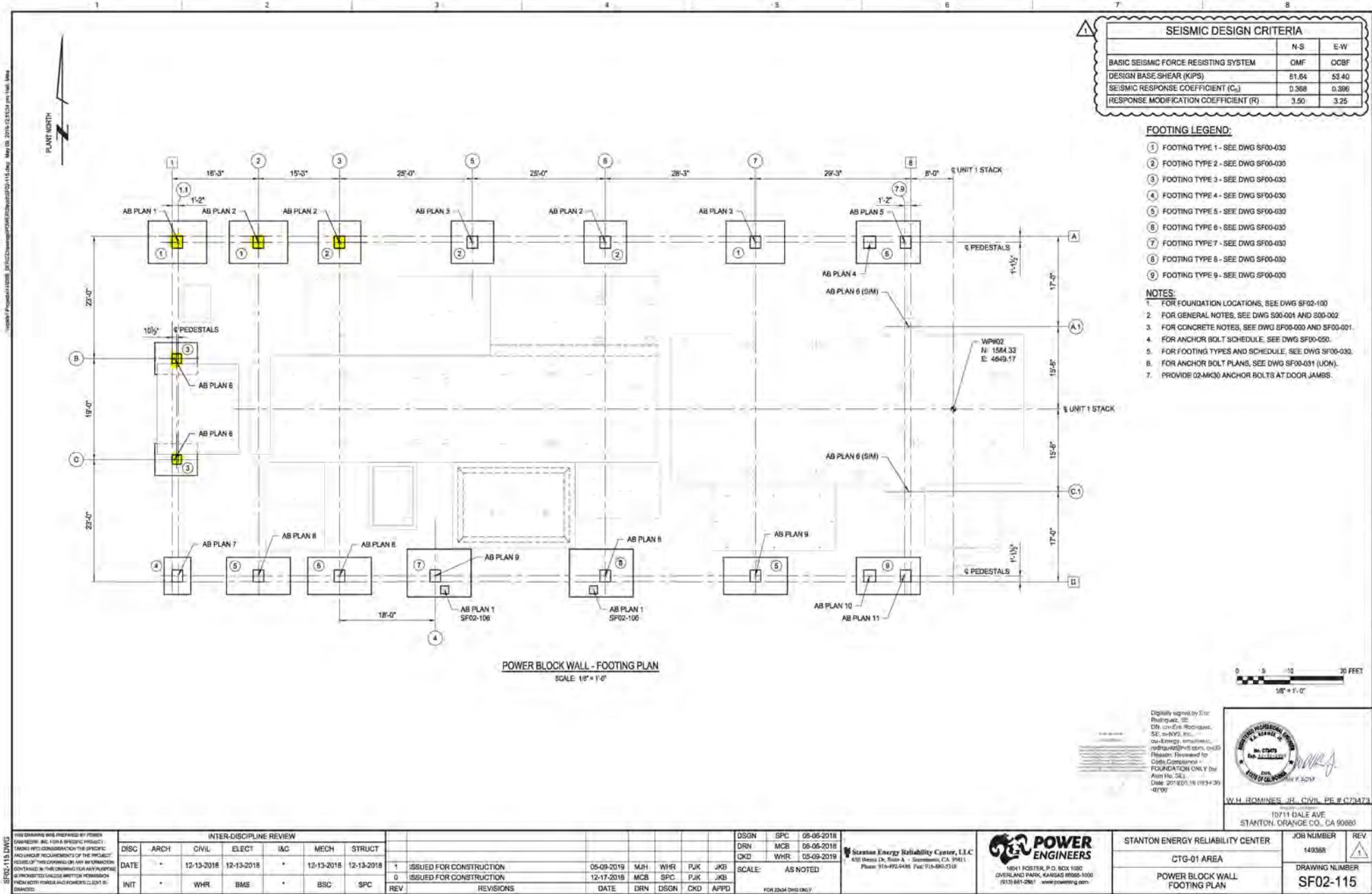
Digitally signed by Mary  
Lee Knolle  
Date: 2019.06.14  
09:14:04 -07'00'

**DATE:** June 13, 2019

**COMMENTS:**

Per plans no exceptions taken

ISSUED FOR CONSTRUCTION - 20190516



SEISMIC DESIGN CRITERIA		
	N-S	E-W
BASIC SEISMIC FORCE RESISTING SYSTEM	OMF	OCBF
DESIGN BASE SHEAR (KIPS)	51.64	53.40
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.368	0.396
RESPONSE MODIFICATION COEFFICIENT (R)	3.50	3.25

**FOOTING LEGEND:**

- ① FOOTING TYPE 1 - SEE DWG SF00-030
- ② FOOTING TYPE 2 - SEE DWG SF00-030
- ③ FOOTING TYPE 3 - SEE DWG SF00-030
- ④ FOOTING TYPE 4 - SEE DWG SF00-030
- ⑤ FOOTING TYPE 5 - SEE DWG SF00-030
- ⑥ FOOTING TYPE 6 - SEE DWG SF00-030
- ⑦ FOOTING TYPE 7 - SEE DWG SF00-030
- ⑧ FOOTING TYPE 8 - SEE DWG SF00-030
- ⑨ FOOTING TYPE 9 - SEE DWG SF00-030

- NOTES:**
- 1. FOR FOUNDATION LOCATIONS, SEE DWG SF02-100
  - 2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002
  - 3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001
  - 4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050
  - 5. FOR FOOTING TYPES AND SCHEDULE, SEE DWG SF00-030
  - 6. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031 (UON)
  - 7. PROVIDE 02-MK30 ANCHOR BOLTS AT DOOR JAMBS.

**POWER BLOCK WALL - FOOTING PLAN**  
SCALE: 1/8" = 1'-0"



Digitally signed by Est. Rodriguez, DN: cn=Est. Rodriguez, SE=est-nys, ou=Est. Rodriguez, o=Est. Rodriguez, email=est-nys@est-nys.com, c=US Reason: Reviewed for Code Compliance FOUNDATION ONLY by Alan Ho, CSE Date: 2019.05.16 (19:43:39 -0700)



W.H. ROMINES, JR., CIVIL PE # C274774  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

SF02-115.DWG

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT	WHR	BMS			BSC	SPC

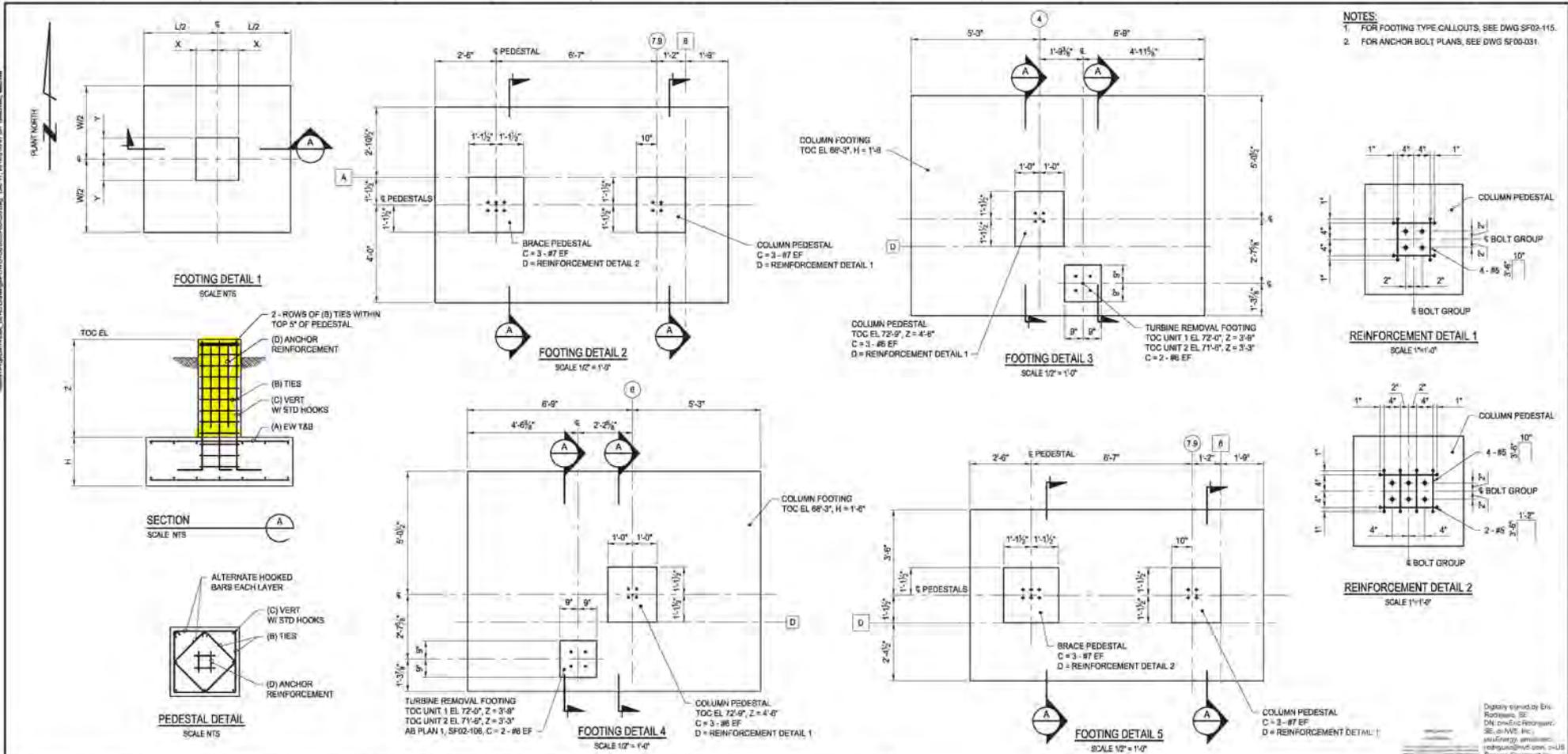
REV	DATE	DRN	DSGN	CKD	APPD
1	05-09-2019	MJH	WHR	PJK	JKB
0	12-17-2018	MCB	SPC	PJK	JKB

DSGN	SPC	08-08-2018
DRN	MCB	08-08-2018
CKD	WHR	05-09-2019

Stanton Energy Reliability Center, LLC  
450 West Dr. Suite A - Sacramento, CA 95811  
Phone: 916-492-6485 Fax: 916-480-3718



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149355	REV 1
CTG-01 AREA	DRAWING NUMBER SF02-115	
POWER BLOCK WALL FOOTING PLAN		



- NOTES:**  
 1. FOR FOOTING TYPE CALLOUTS, SEE DWG SF02-115.  
 2. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031.

FOOTING TYPE SCHEDULE													
TYPE	QTY	L	W	H	X	Y	Z	A	B	C	D	TOC EL	FOOTING DETAIL
1	6	11'-0"	8'-0"	1'-6"	1'-0"	1'-1 1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
2	6	8'-0"	8'-0"	1'-6"	1'-0"	1'-1 1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
3	4	8'-0"	5'-0"	1'-6"	10'-0"	10'-0"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
4	2	5'-0"	7'-0"	1'-6"	1'-0"	1'-1 1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
5	6	12'-0"	7'-0"	1'-6"	1'-0"	1'-1 1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
6	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	72'-9"	2
7	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	3				
8	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	4				
9	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	SEE DETAIL	72'-9"	5

INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	I&G	STRUCT
DATE	12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT	WHR	BMS		BSC	SPC

ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	PKD	APPD
0	12-17-2018	MCB	SPC	PJK	JKB
REV					

SCALE: AS NOTED  
 FOR ZONE 2 ONLY

Stanton Energy Reliability Center, LLC  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

POWER ENGINEERS  
 1841 HOSKIN, P.O. BOX 1020  
 OVERLAND PARK, KANSAS 66205-1020  
 (913) 681-2961 www.powereng.com

Professional Engineer  
 Samuel P. Campbell  
 8095  
 CIVIL  
 12-17-18

SF00-030.DWG

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/17/2019

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_Reverse Osmosis FND\_20190614

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached SF06-102 & SF06-102-1

TYPE OF INSPECTION:       New                       Re-Inspection                      Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Reverse Osmosis Skid FND

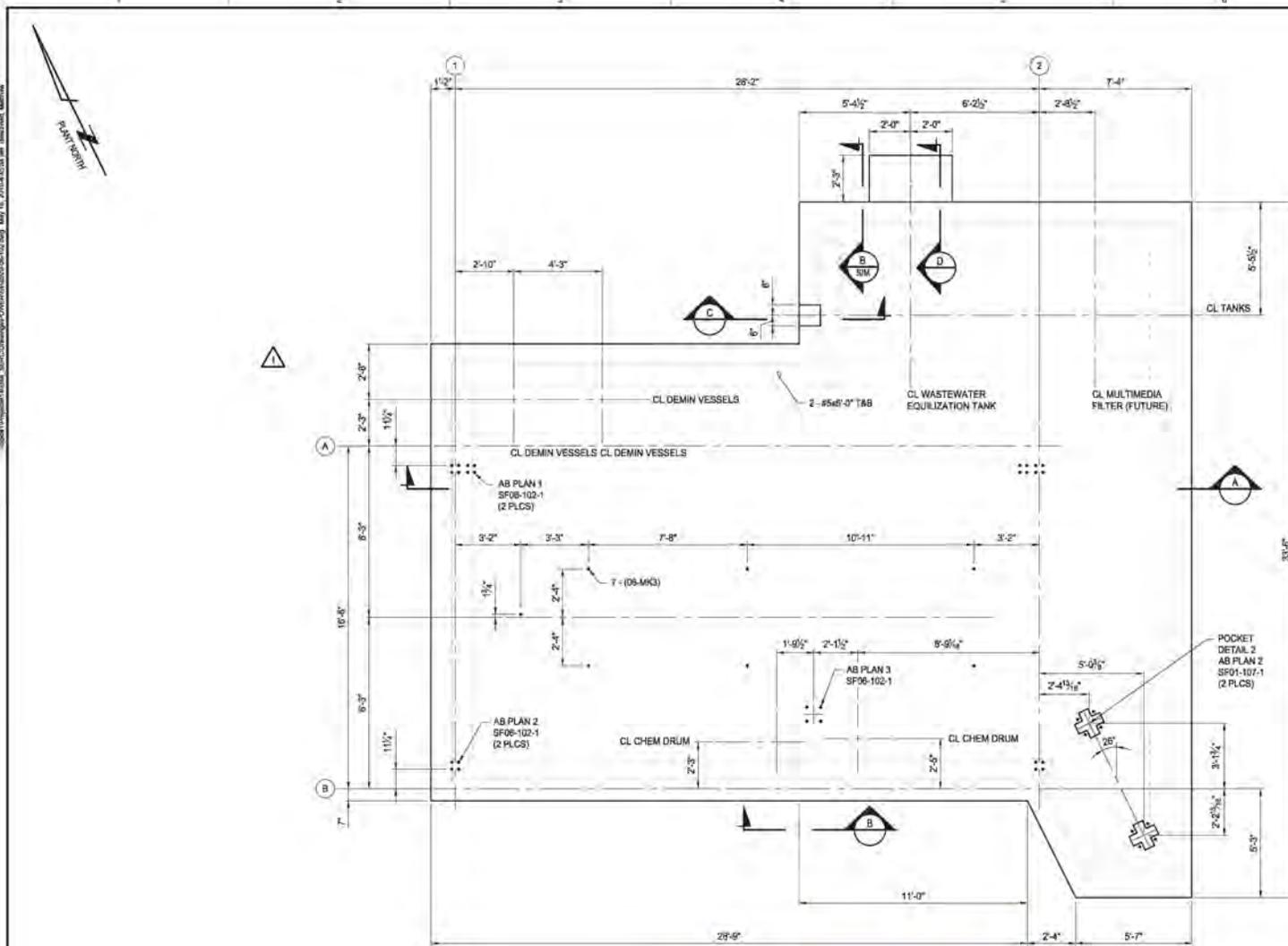
- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.14 10:08:46-0700'

DATE: 6/14/2019





**REVERSE OSMOSIS SKID - FOUNDATION PLAN** TO CEL 72-9" UCN  
 SCALE: 3/8"=1'-0" PLAN NORTH IS 26° CW OF PLANT NORTH

SEISMIC DESIGN CRITERIA - RO SKID & PUMPS	
BASIC SEISMIC FORCE RESISTING SYSTEM	NON-STRUCTURAL
DESIGN BASE SHEAR (%g)	0.31
COMPONENT AMPLIFICATION FACTOR (A <sub>v</sub> )	1.0
COMPONENT RESPONSE FACTOR (R <sub>c</sub> )	2.5
RO SKID WEIGHT (KIPS)	10
(2) PUMPS WEIGHT (KIPS)	0.03

SEISMIC DESIGN CRITERIA - RO SUN SHADE		
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF	OSMF
DESIGN BASE SHEAR (KIPS)	1.56	2.16
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.38	0.36
RESPONSE MODIFICATION COEFFICIENT (R)	3.25	3.5

SEISMIC DESIGN CRITERIA - TANKS	
BASIC SEISMIC FORCE RESISTING SYSTEM	FLAT-BOTTOM SUPPORTED TANK
DESIGN BASE SHEAR (%g)	0.43
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.43
RESPONSE MODIFICATION COEFFICIENT (R)	3
WASTE WATER TANK WEIGHT (KIPS)	55.1
MULTIMEDIA FILTER WEIGHT (KIPS)	9.2K
DEMIN VESSEL WEIGHT (KIPS)	3.8
CHEMICAL DRUMS WEIGHT (KIPS)	0.6

SEISMIC DESIGN CRITERIA - UTILITY RACK	
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF
DESIGN BASE SHEAR (%g)	0.52g
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.4
RESPONSE MODIFICATION COEFFICIENT (R)	3.25
DESIGN BASE SHEAR (KIPS)	11.81

- NOTES:**
- FOR FOUNDATION LOCATION, SEE DWG SF06-100.
  - FOR GENERAL NOTES, SEE DWG S00-001 AND S60-002.
  - FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  - FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050 AND SF00-051.
  - FOR SECTIONS AND DETAILS, SEE DWG SF06-102-1.
  - SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 6, DWG SF00-000.
  - TANK ANCHORAGE IS BY TANK SUPPLIER. ANCHOR BOLTS SUPPLIED BY CONTRACTOR.
  - FIELD VERIFY ALL CHEMICAL DRUM ANCHOR BOLT LOCATIONS. FIT ANCHORS TIGHT TO CONTAINMENT.



Digitally signed by Eric Rodriguez, SE  
 DN: cn=Eric Rodriguez, o=POWER ENGINEERS, email=eric@powereng.com, c=US  
 Reason: I've approved for Chris Gonsky to  
 RECONSTRUCT ONLY by  
 Alan Ho, SE  
 Date: 2019.05.22 10:45:18 -0700

THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION FROM POWER ENGINEERS AND PROJECT CLIENT. SEE DRAWING.

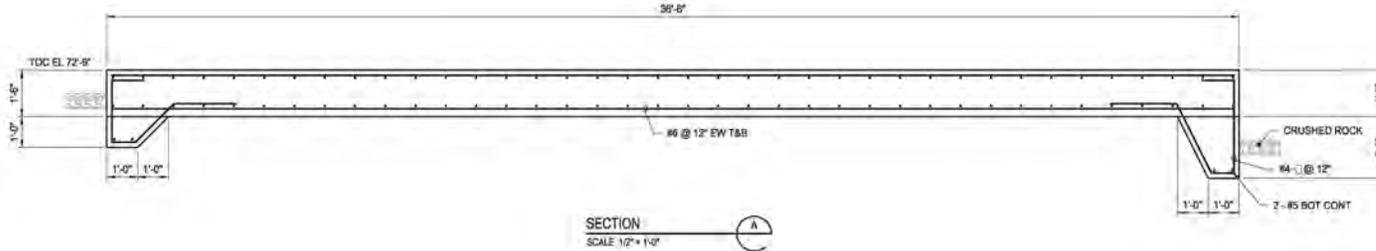
INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BBC	SPC

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD	DSGN	SPC
3	ISSUED FOR CONSTRUCTION	05-17-2019	MJH	JDH	PJK	JKB	DRN	MCB
2	ISSUED FOR CONSTRUCTION	03-22-2019	MCB	JDH	PJK	JKB	CKD	WHR
1	ISSUED FOR CONSTRUCTION	02-05-2019	BLW	SPC	PJK	JKB		
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB		

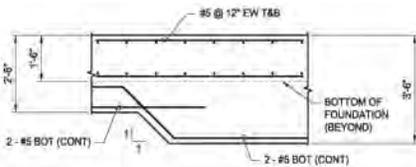
Stanton Energy Reliability Center, LLC  
 650 Vasco Dr, Suite A - Sacramento, CA 95811  
 Phone: 916-479-9488 Fax: 916-480-2148

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149385	REV 3
WATER TREATMENT AREA	DRAWING NUMBER SF06-102	
REVERSE OSMOSIS SKID FOUNDATION PLAN		

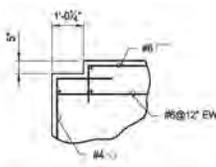
- NOTES:**
1. FOR FOUNDATION LOCATION, SEE DWG SF06-100.
  2. FOR FOUNDATION PLAN, SEE DWG SF06-102.
  3. FOR GENERAL NOTES, SEE DWG 500-001 AND 500-002.
  4. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  5. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050.



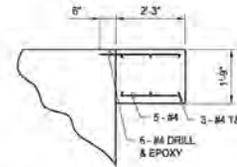
SECTION A  
SCALE 1/2" = 1'-0"



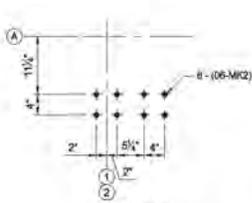
SECTION B  
SCALE 1/2" = 1'-0"



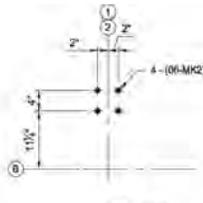
SECTION C  
SCALE 1/2" = 1'-0"



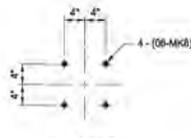
SECTION D  
SCALE 1/2" = 1'-0"



AB PLAN 1  
SCALE 1" = 1'-0"  
(1 THUS, 1 OPP HAND)



AB PLAN 2  
SCALE 1" = 1'-0"  
(2 FLCS)



AB PLAN 3  
SCALE 1" = 1'-0"

Digitally signed by Eric Peterson, SE  
DN: cn=Eric Peterson, o=POWER ENGINEERS, email=eric.peterson@powereng.com, c=US  
Please Referential for Code Compliance FOUNDATION CHG. 1' by Alan H. SE, Date: 2019.05.22 10:45 CT -0700

**SAMUEL P. CAMPBELL**  
0393  
CIVIL  
STATE OF CALIFORNIA  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

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INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE						
INIT	WHR	BMS		BSC	SPC	

REV	ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	CKD	APPD
0	ISSUED FOR CONSTRUCTION	02-05-2019	BLW	SPC	PJK	JKB
	REVISIONS					

Stanton Energy Reliability Center, LLC  
450 West Dr. Suite A - Sacramento, CA 95811  
Phone: 916-492-6485 Fax: 916-480-2118

**POWER ENGINEERS**  
1841 FOSTER, P.O. BOX 1900  
OVERLAND PARK, KANSAS 66205-1900  
(913) 681-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149368	REV / 9
WATER TREATMENT AREA	DRAWING NUMBER SF06-102-1	
REVERSE OSMOSIS SKID		
FOUNDATION SECTIONS AND DETAILS		

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/17/2019 12:00 p.m.

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_Power Block Wall Footings FND 5&6\_20190614

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached SF00-030 & SF02-115

TYPE OF INSPECTION:  New  Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Power Block Wall Footing 5 & 6 FND

- \* Form Work
- \* Rebar
- \* Cleanliness

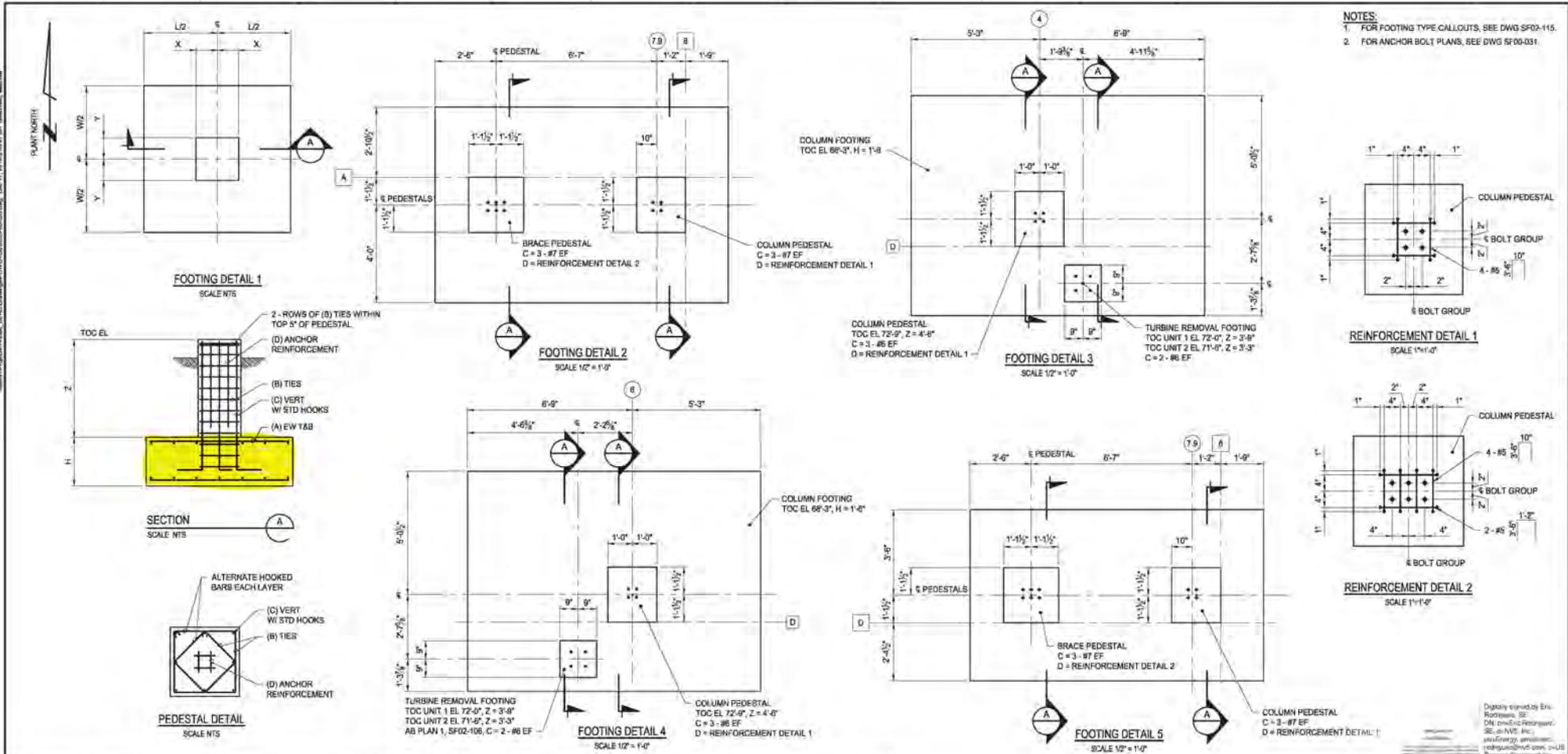
REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.14 11:09:34 -0700

DATE: 6/14/2019

OFFICES NATIONWIDE





**NOTES:**  
 1. FOR FOOTING TYPE CALLOUTS, SEE DWG SF02-115.  
 2. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031.

FOOTING TYPE SCHEDULE													
TYPE	QTY	L	W	H	X	Y	Z	A	B	C	D	TOC EL	FOOTING DETAIL
1	6	11'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
2	6	8'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
3	4	8'-0"	5'-0"	1'-6"	10'-0"	10'-0"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
4	2	5'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
5	6	12'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
6	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	72'-9"	2
7	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	3				
8	2	SEE DETAIL	1'-6"	SEE DETAIL	#6@12"	#4@4"	SEE DETAIL	72'-9"	4				
9	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	SEE DETAIL	SEE DETAIL	72'-9"	5

INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	I&G	STRUCT
DATE	12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT	WHR	BMS		BSC	SPC

ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	PKD	APPD
0	12-17-2018	MCB	SPC	PJK	JKB
REV					

STANTON Energy Reliability Center, LLC  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 14935A	REV 9
STRUCTURAL FOUNDATION FOOTING TYPES AND SCHEDULE	DRAWING NUMBER SF00-030	

Professional Engineer  
 Samuel P. Campbell  
 80906  
 CIVIL  
 12-17-18

Samuel P. Campbell, CIVIL PE #1328005  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

SFO030.DWG



## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/6/2019

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_COC\_Fin Fan Cooler FND\_20190606

CONTRACTOR: ARB,Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached drawing Fin Fan Cooler FND

TYPE OF INSPECTION:  New  Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

GSU Pedestals

- \* Form Work
- \* Rebar Inspection
- \* Cleanliness
- \* Water Stops

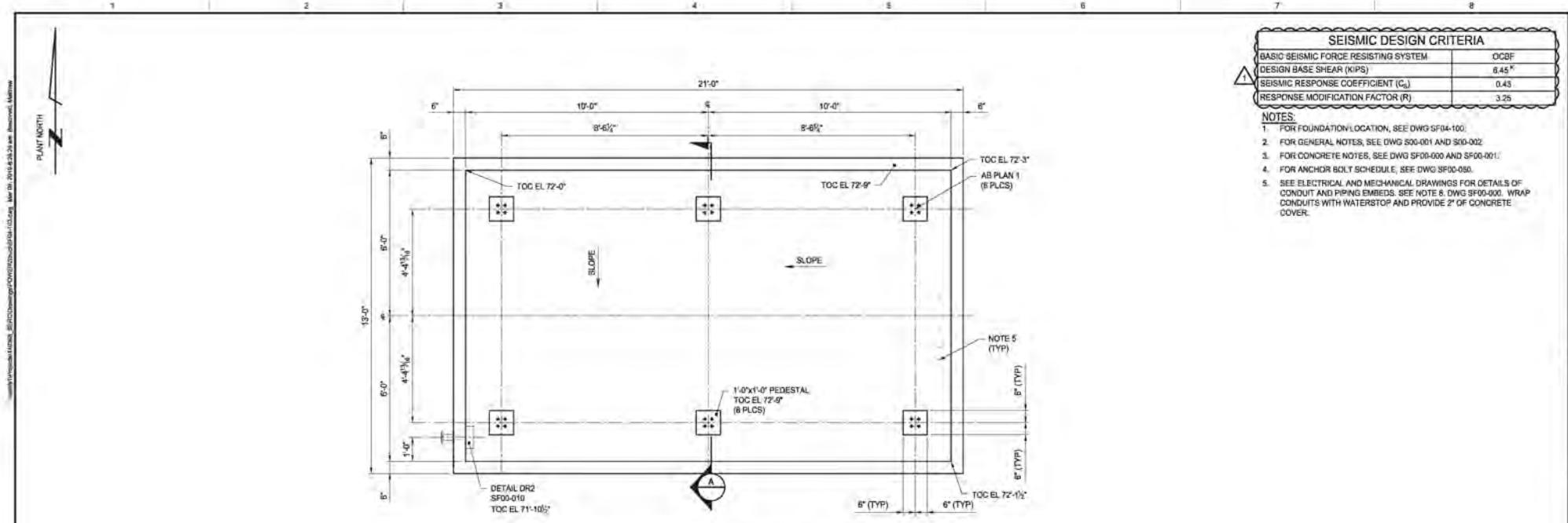
REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB,Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.05.31 12:38:44 -0700

DATE: 5/31/2019

OFFICES NATIONWIDE

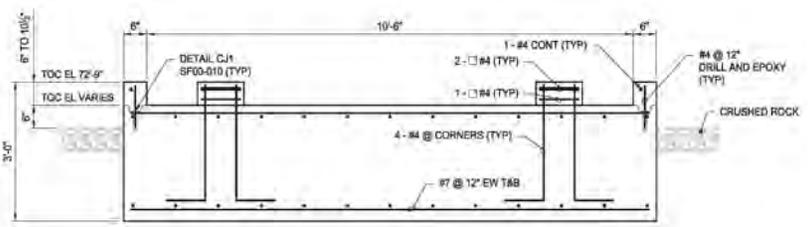




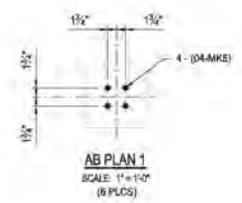
FGC GAS L.O. FIN-FAN COOLER - FOUNDATION PLAN TOC EL 72'-0" UON  
SCALE: 1/2"=1'-0"

SEISMIC DESIGN CRITERIA	
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF
DESIGN BASE SHEAR (KIPS)	6.45 <sup>K</sup>
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.43
RESPONSE MODIFICATION FACTOR (R)	1.25

- NOTES:
- FOR FOUNDATION LOCATION, SEE DWG SF04-100.
  - FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
  - FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  - FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050.
  - SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000. WRAP CONDUITS WITH WATERSTOP AND PROVIDE 2" OF CONCRETE COVER.



SECTION A-A  
SCALE: 3/4"=1'-0"



AB PLAN 1  
SCALE: 1"=1'-0"  
(6 PLCS)



Digitally signed by Alari Ho  
Reason:  
Reviewed for Code Compliance.  
Date: 2019.04.29 21:34:11 -0700'

W.H. ROMINES, JR., CIVIL PE # C-29473  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

SFO4-103.DWG

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BSC	SPC

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD
1	ISSUED FOR CONSTRUCTION	03-08-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

DSGN	SPC	01-23-2018
DRN	MCB	01-23-2018
CKD	WHR	03-08-2019
SCALE:	AS NOTED	

Stanton Energy Reliability Center, LLC  
450 Vasco Dr, Suite A - (Stanton), CA 95111  
Phone: 916-899-9488 Fax: 916-890-2148

**POWER ENGINEERS**  
18641 FOSTER, P.O. BOX 1900  
DIVERSLAND PARK, DALLAS TEXAS 75250-1900  
(913) 951-2867 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149366	REV 1
FGC / AMMONIA STORAGE AREA	DRAWING NUMBER SF04-103	
FGC GAS L.O. FIN-FAN COOLER FOUNDATION PLAN		

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/24/19 12:00 P.M.

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_CTG-02 FND\_20190620

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached SF02-102 , SF02-102-1, SF02-101, SF00-010

TYPE OF INSPECTION:       New               Re-Inspection              Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

CTG-02 FND

- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.20 14:54:04 -0700'

DATE: 6/20/19

## INSPECTION RESULT

---

INSPECTION MADE: SERC\_16-AFC-01\_CTG-02 FND\_20190620

DATE / TIME: 20190624 1300 INSPECTOR: Mary Lee Knolle

- APPROVED  AT RISK  
 DISAPPROVED  PHASE PASS  
 REINSPECTION REQUIRED

SIGNATURE:

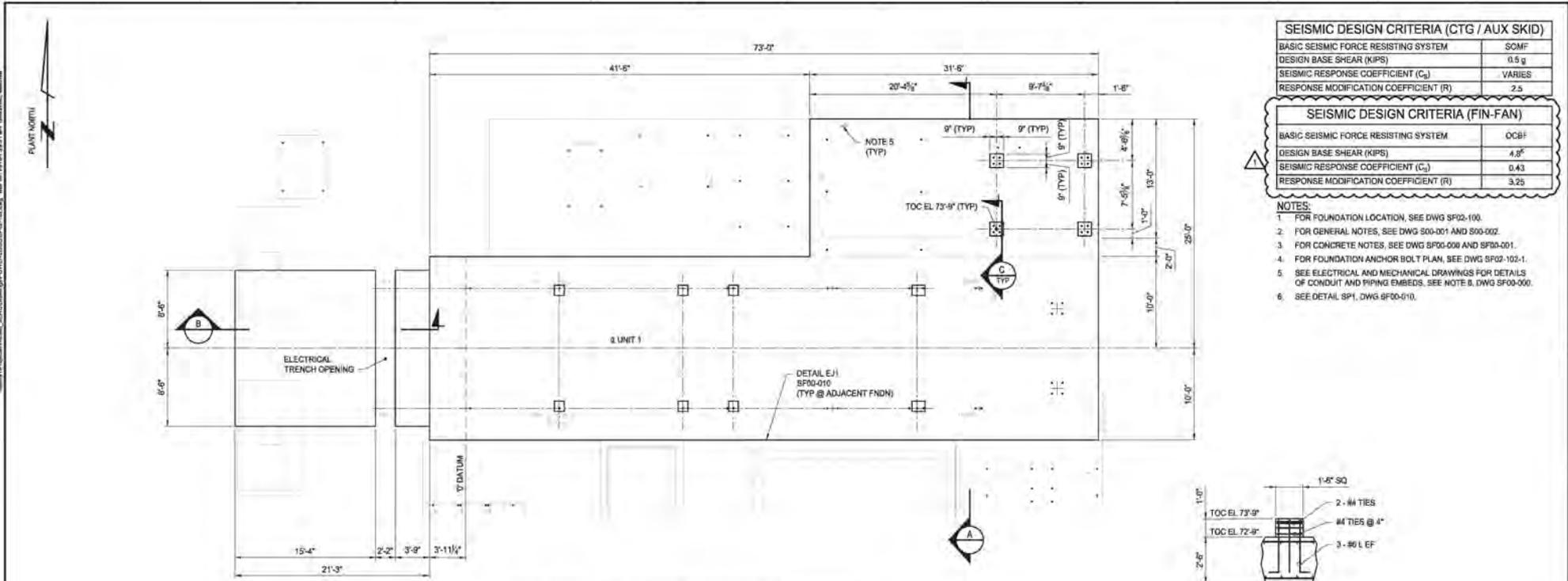
SERC\_16-AFC-01  
--INSPECTED--  
The information provided on this report is based on the data  
collected on the date of inspection. It is not intended to  
constitute a warranty or a guarantee of performance or  
accuracy of the information provided. No responsibility is  
assumed for omissions or errors. The user of this report  
acknowledges that the user is responsible for the accuracy  
of the information provided on this report.

Digitally signed by Mary  
Lee Knolle  
Date: 2019.06.27  
14:30:57 -07'00'

DATE: June 24, 2019

### COMMENTS:

Per Plans SF02-102 , SF02-102-1, SF02-101, SF00-010  
No exceptions taken

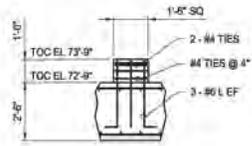


SEISMIC DESIGN CRITERIA (CTG / AUX SKID)	
BASIC SEISMIC FORCE RESISTING SYSTEM	SOMF
DESIGN BASE SHEAR (KIPS)	0.5 g
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	VARIES
RESPONSE MODIFICATION COEFFICIENT (R)	2.5

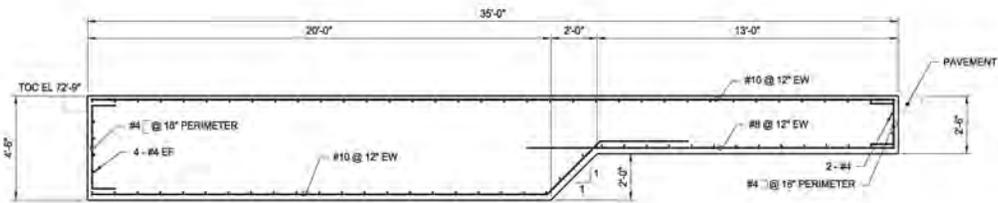
SEISMIC DESIGN CRITERIA (FIN-FAN)	
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF
DESIGN BASE SHEAR (KIPS)	4.8 <sup>g</sup>
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.43
RESPONSE MODIFICATION COEFFICIENT (R)	3.25

- NOTES:
1. FOR FOUNDATION LOCATION, SEE DWG SF02-100.
  2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
  3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  4. FOR FOUNDATION ANCHOR BOLT PLAN, SEE DWG SF02-102-1.
  5. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS, SEE NOTE B, DWG SF00-000.
  6. SEE DETAIL SP1, DWG SF00-010.

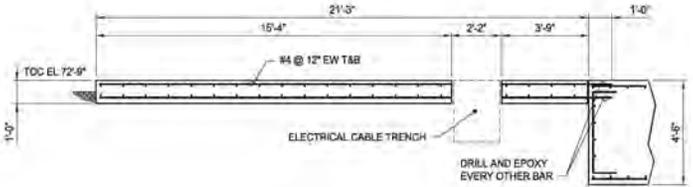
COMBUSTION TURBINE GENERATOR - FOUNDATION PLAN  
SCALE 3/8" = 1'-0"



SECTION C  
SCALE 3/8" = 1'-0"



SECTION A  
SCALE 3/8" = 1'-0"



SECTION B  
SCALE 3/8" = 1'-0"

Digitally signed by Eric Rodriguez, SE  
DN: cn=Eric Rodriguez, SE, ou=ASPS, Inc, ou=Energy, email=erodrigue@ms.com, o=ASPS  
Reason: Retrieved for Civil Compliance  
FOUNDATION ONLY by Alan H. SEE  
Date: 2019.05.16 11:07:42 -0700

Professional Engineer Seal for Eric Rodriguez, State of California, No. 27473, Exp. 12/31/2020.

W.H. ROMINES, JR., CIVIL PE # C-23473  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

SF02-102.DWG  
THIS DRAWING WAS PREPARED BY POWER ENGINEERS AND IS FOR A SPECIFIC PROJECT. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF POWER ENGINEERS. CLIENT IS ADVISED.

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BSC	SPC

REV	DESCRIPTION	DATE	DRN	DSGN	CKD	APPD
1	ISSUED FOR CONSTRUCTION	03-08-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

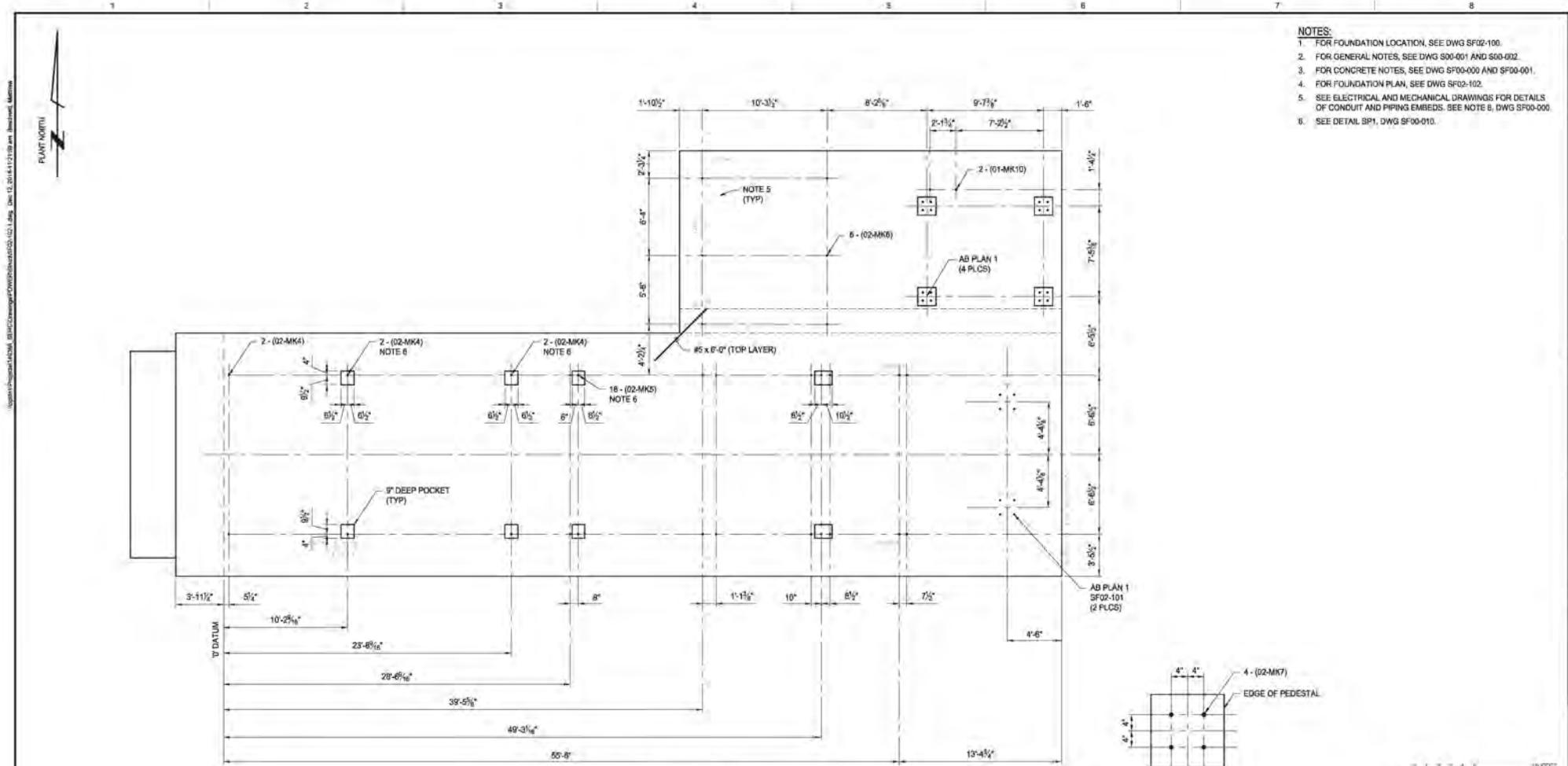
DSGN	SPC	01-15-2018
DRN	MCB	01-15-2018
CKD	WHR	03-08-2019

SCALE: AS NOTED

Stanton Energy Reliability Center, LLC  
450 Vasco Dr, Suite A - Sacramento, CA 95811  
Phone: 916-499-9488 Fax: 916-490-2148

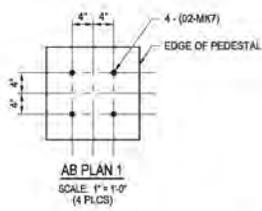
**POWER ENGINEERS**  
18641 FORSTER, P.O. BOX 1900  
DUBLAND PARK, DUBLAND, CALIFORNIA 94568-1900  
(916) 951-2861 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
CTG-01 AREA	149368	1
COMBUSTION TURBINE GENERATOR FOUNDATION PLAN	DRAWING NUMBER	SF02-102



COMBUSTION TURBINE GENERATOR - ANCHOR BOLT PLAN TOC EL 72'-9\"/>

- NOTES:**
- FOR FOUNDATION LOCATION, SEE DWG SF02-100.
  - FOR GENERAL NOTES, SEE DWG 500-001 AND 500-002.
  - FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  - FOR FOUNDATION PLAN, SEE DWG SF02-102.
  - SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 6, DWG SF00-000.
  - SEE DETAIL SP1, DWG SF00-010.



Digitally signed by Samuel P. Campbell  
 DN: cn=Samuel P. Campbell, o=POWER ENGINEERS, ou=POWER ENGINEERS, email=samp@powereng.com, c=US  
 Reason: Reviewed for Code Compliance - FOUNDATION ONLY (by Alan Ho, SCL)  
 Date: 2019.05.16 11:27:53 -0700

**SAMUEL P. CAMPBELL**  
 CIVIL PE # 80805  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

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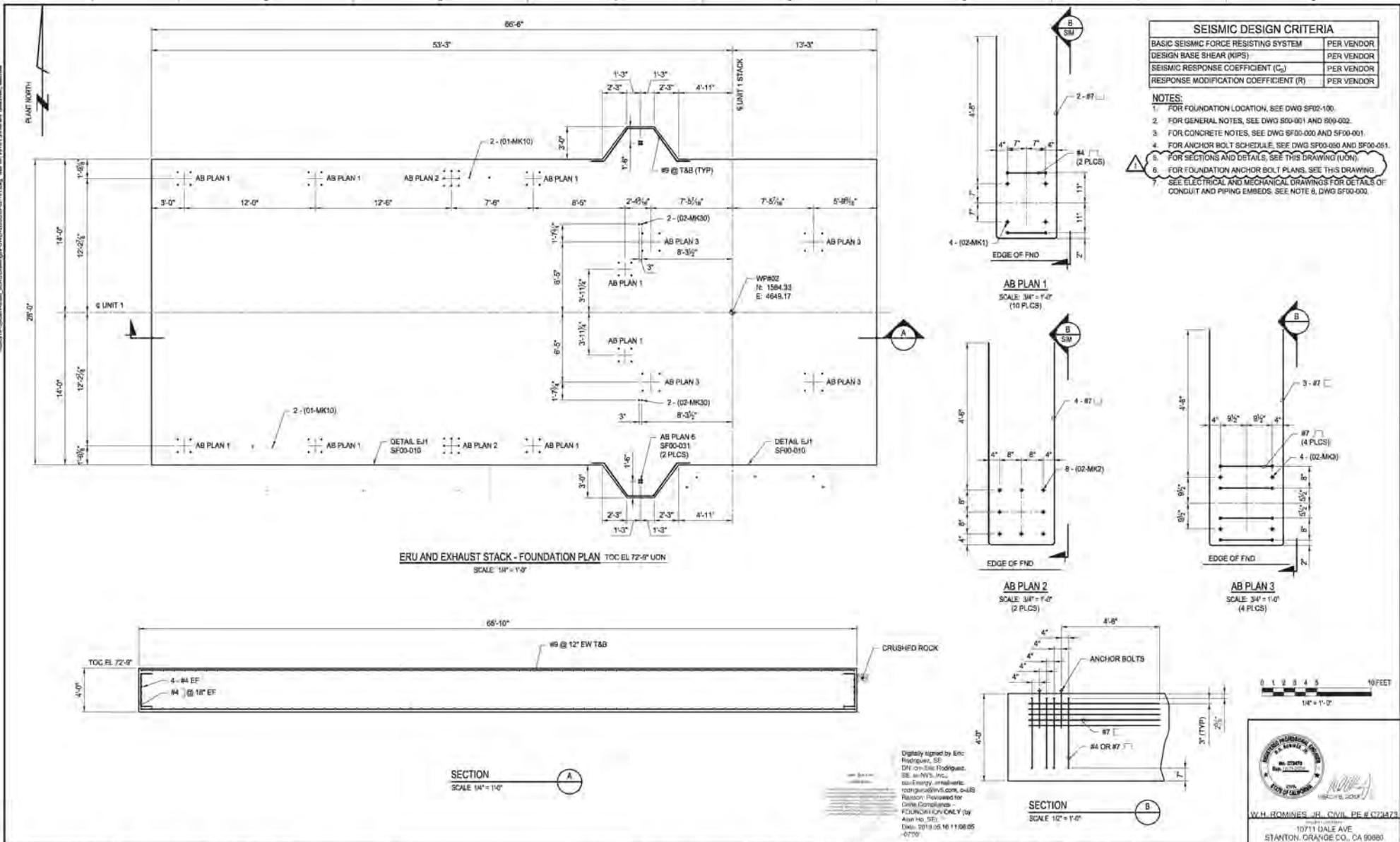
INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE	-	12-13-2018	12-13-2018	-	12-13-2018	12-13-2018
INIT	-	WHR	BMS	-	BSC	SPC

REV	ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	CKD	APPD
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB
REV	REVISIONS					

DSGN SPC 10-03-2018  
 DRN BLW 10-03-2018  
 CKD PJK 12-17-2018  
 SCALE: AS NOTED  
 FOR 2x24 DWG ONLY

**POWER ENGINEERS**  
 1841 FORSTER, P.O. BOX 1000  
 DOWLING PARK, GARDIS 90055-1000  
 (913) 951-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149368	REV 19
CTG-01 AREA	DRAWING NUMBER SF02-102-1	
COMBUSTION TURBINE GENERATOR FOUNDATION ANCHOR BOLT PLAN		



SEISMIC DESIGN CRITERIA	
BASIC SEISMIC FORCE RESISTING SYSTEM	PER VENDOR
DESIGN BASE SHEAR (KIPS)	PER VENDOR
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	PER VENDOR
RESPONSE MODIFICATION COEFFICIENT (R)	PER VENDOR

- NOTES:
- FOR FOUNDATION LOCATION, SEE DWG SF02-100.
  - FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
  - FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  - FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050 AND SF00-051.
  - FOR SECTIONS AND DETAILS, SEE THIS DRAWING (LION).
  - FOR FOUNDATION ANCHOR BOLT PLANS, SEE THIS DRAWING.
  - SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000.



W.H. ROMINES, JR., CIVIL PE # C248473  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

Digitally signed by Eric Rodriguez, SE  
 DN: cn=Eric Rodriguez, SE, ou=NERG, inc, ou=Energy, email=eric.rodriguez@nerg.com, o=NERG, Reason: Reviewed for Draw Compliance - FOUNDATION ONLY (by Alan Ho, SE)  
 Date: 2019.05.16 11:08:05 -0700

SF02-101.DWG

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INT		WHR	CMB		BBC	SPC

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPR
1	ISSUED FOR CONSTRUCTION	03-08-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

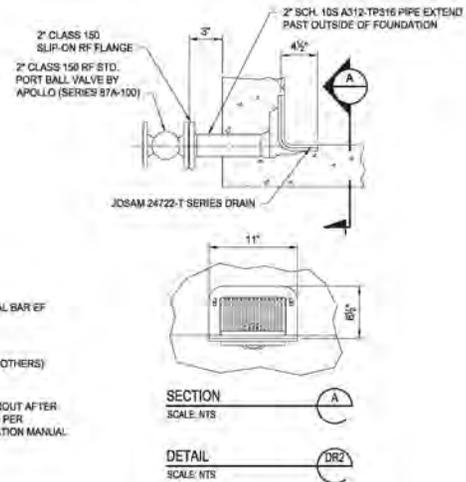
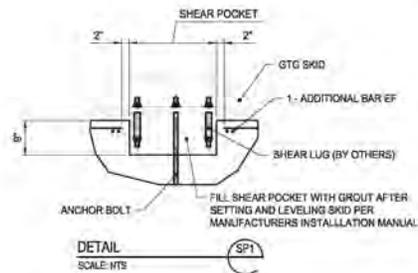
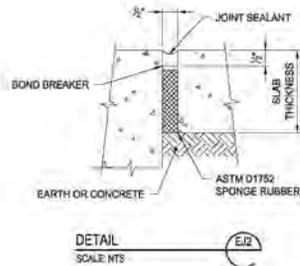
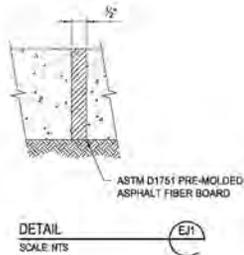
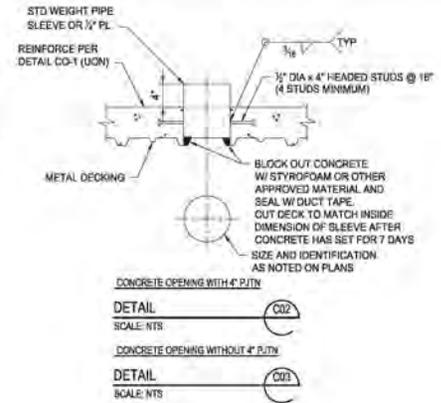
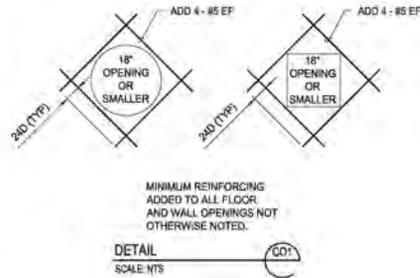
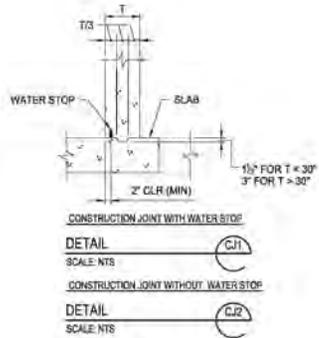
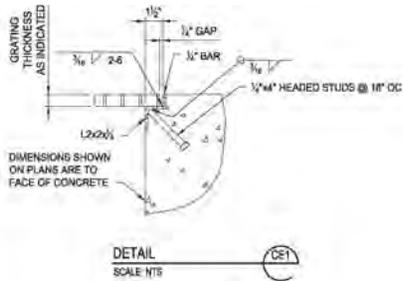
DSGN	SPC	12-21-2017
DRN	MCB	12-29-2017
CKD	WHR	03-08-2019

SCALE: AS NOTED

Stanton Energy Reliability Center, LLC  
 650 West Dr. Suite A - Livermore, CA 94551  
 Phone: 916-479-9488 Fax: 916-480-2318



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149366	REV 1
CTG-01 AREA	DRAWING NUMBER SF02-101	
ERU AND EXHAUST STACK FOUNDATION PLAN		



Digitally signed by Alan Ho Reason: Reviewed for Code Compliance Date: 2019.02.18 09:34:51 -08'00'

Professional Engineer  
 JAMES P. CAMPBELL  
 00985  
 CIVIL  
 STATE OF CALIFORNIA  
 Samuel Campbell  
 12-17-18  
 JAMES P. CAMPBELL, CIVIL PE # C00985  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

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INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BSC	SPC

REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

Stanton Energy Reliability Center, LLC  
 450 West Dr. Suite A - Sacramento, CA 95811  
 Phone: 916-492-6485 Fax: 916-480-5118

**POWER ENGINEERS**  
 18541 FOSTER, P.O. BOX 1900  
 DUBLING PARK, GARDENA 90248-1900  
 (913) 951-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER  
 STRUCTURAL FOUNDATION STANDARD DETAILS  
 JOB NUMBER 14936A  
 DRAWING NUMBER SF00-010

SF00-010.DWG

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/24/19 12:00 P.M.

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_Power Block Wall Piers\_20190624

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached SF02-115, SF00-030 & SF00-031

TYPE OF INSPECTION:      New              Re-Inspection              Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Power Block Wall Piers A1,2,3,4,5,6 / B1 / C1

- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.24 07:23:54 -0700'

DATE: 6/24/19

OFFICES NATIONWIDE

## INSPECTION RESULT

---

**INSPECTION MADE:** SERC\_16-AFC-01\_Power Block Wall Piers\_20190624

**DATE / TIME:** 20190624 1300 **INSPECTOR:** Mary Lee Knolle

- APPROVED**  **AT RISK**  
 **DISAPPROVED**  **PHASE PASS**  
 **REINSPECTION REQUIRED**

**SIGNATURE:**

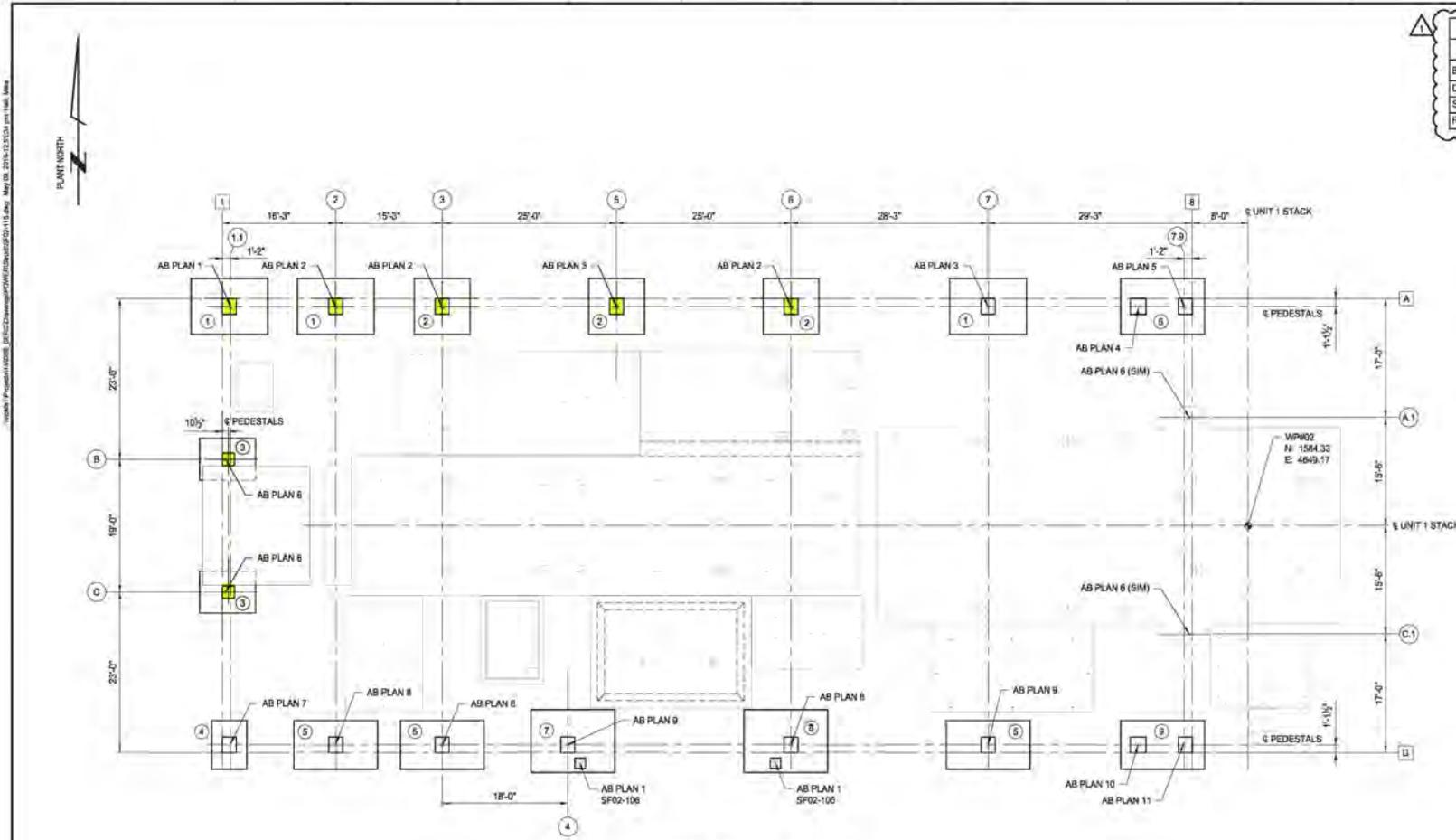
SERC\_16-AFC-01  
--INSPECTED--  
The inspection was conducted on the project as indicated on the SERC  
Notice of Self-Inspection by the Building Official or a duly  
Licensed and Registered Professional Engineer, Architect, or  
Professional Geotechnical Engineer. No responsibility is  
assumed for detection or disclosure of any conditions or  
work which shall constitute a violation of any applicable code  
or the California Building Code or any other applicable code.

Digitally signed by Mary  
Lee Knolle  
Date: 2019.06.27  
14:34:27 -07'00'

**DATE:** June 24, 2019

### COMMENTS:

Per plans SF02-115, SF00-030 & SF00-031 and specs  
No exceptions taken



POWER BLOCK WALL - FOOTING PLAN  
SCALE: 1/8" = 1'-0"

SEISMIC DESIGN CRITERIA		
	N-S	E-W
BASIC SEISMIC FORCE RESISTING SYSTEM	OMF	OCBF
DESIGN BASE SHEAR (KIPS)	51.64	53.40
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.368	0.396
RESPONSE MODIFICATION COEFFICIENT (R)	3.50	3.25

**FOOTING LEGEND:**

- ① FOOTING TYPE 1 - SEE DWG SF00-030
- ② FOOTING TYPE 2 - SEE DWG SF00-030
- ③ FOOTING TYPE 3 - SEE DWG SF00-030
- ④ FOOTING TYPE 4 - SEE DWG SF00-030
- ⑤ FOOTING TYPE 5 - SEE DWG SF00-030
- ⑥ FOOTING TYPE 6 - SEE DWG SF00-030
- ⑦ FOOTING TYPE 7 - SEE DWG SF00-030
- ⑧ FOOTING TYPE 8 - SEE DWG SF00-030
- ⑨ FOOTING TYPE 9 - SEE DWG SF00-030

- NOTES:**
- 1. FOR FOUNDATION LOCATIONS, SEE DWG SF02-100
  - 2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002
  - 3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001
  - 4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050
  - 5. FOR FOOTING TYPES AND SCHEDULE, SEE DWG SF00-030
  - 6. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031 (UON)
  - 7. PROVIDE 02-MK30 ANCHOR BOLTS AT DOOR JAMBS.



Digitally signed by Est. Rodriguez, DN: cn=Est. Rodriguez, SE=est-nys, ou=Est. Rodriguez, o=Rodriguez@Est-nys.com, c=US  
 Reason: Reviewed for Code Compliance  
 FOUNDATION ONLY by Alan Ho, CSE  
 Date: 2019.05.16 (19:43:38 -0700)



W.H. ROMINES, JR., CIVIL PE # C27474  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

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INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT	WHR	BMS			BSC	SPC

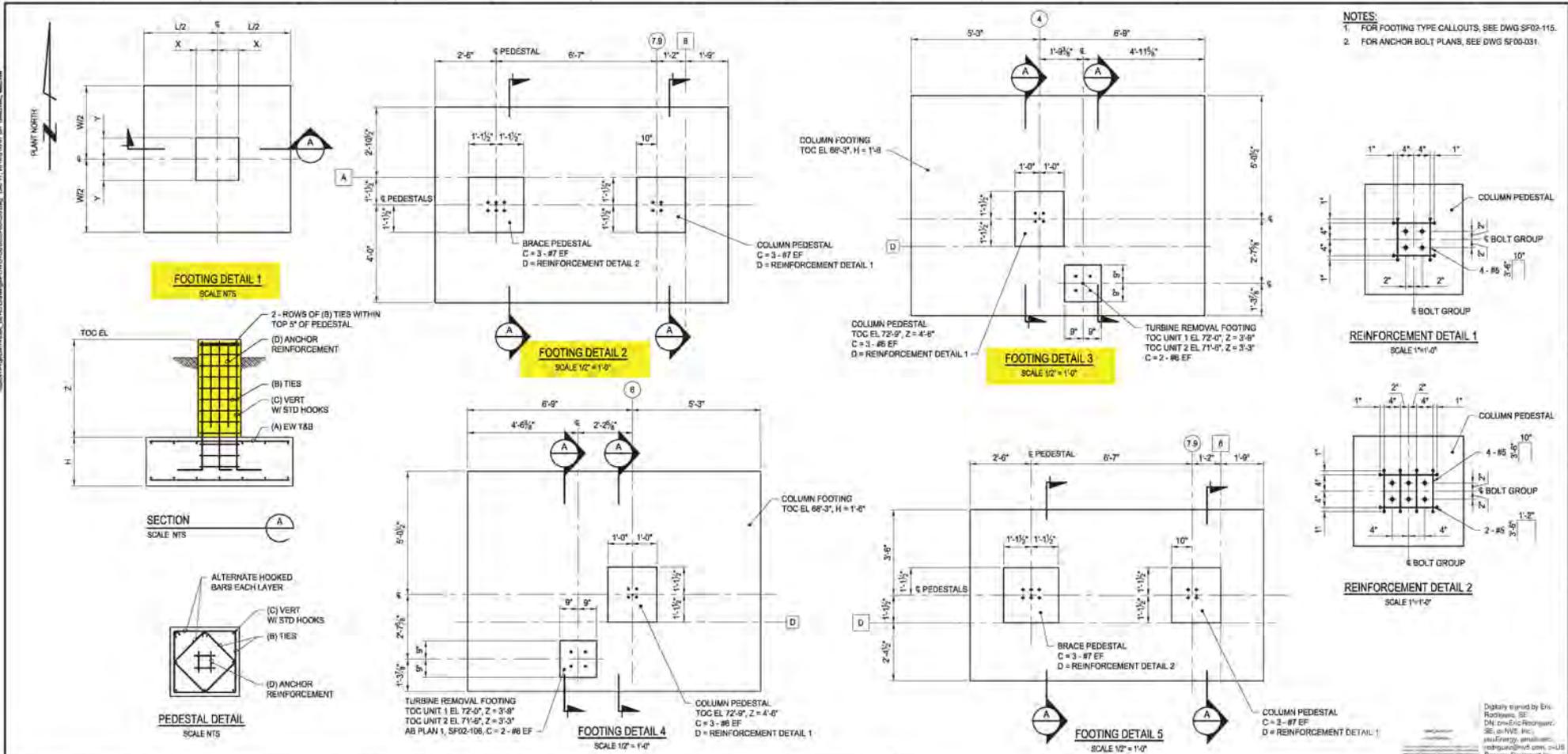
REV	DATE	DRN	DSGN	CKD	APPD
1	05-09-2019	MJH	WHR	PJK	JKB
0	12-17-2018	MCB	SPC	PJK	JKB

DSGN	SPC	DATE
DRN	MCB	08-08-2018
CKD	WHR	05-09-2019

Stanton Energy Reliability Center, LLC  
 430 West Dr. Suite A - Sacramento, CA 95811  
 Phone: 916-492-6485 Fax: 916-480-3718



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149365	REV 1
CTG-01 AREA	DRAWING NUMBER SF02-115	
POWER BLOCK WALL FOOTING PLAN		



**NOTES:**  
 1. FOR FOOTING TYPE CALLOUTS, SEE DWG SF02-115.  
 2. FOR ANCHOR BOLT PLANS, SEE DWG SF00-031.

FOOTING TYPE SCHEDULE													
TYPE	QTY	L	W	H	X	Y	Z	A	B	C	D	TOC EL	FOOTING DETAIL
1	6	11'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
2	6	8'-0"	8'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
3	4	8'-0"	5'-0"	1'-6"	10'-0"	10'-0"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
4	2	5'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
5	6	12'-0"	7'-0"	1'-6"	1'-0"	1'-1/2"	4'-6"	#6@12"	#4@4"	3 - #6 EF	SEE REINFORCEMENT DETAIL 1	72'-9"	1
6	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	72'-9"	2
7	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	72'-9"	3
8	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	72'-9"	4
9	2	SEE DETAIL	1'-6"	SEE DETAIL	4'-6"	4'-6"	4'-6"	#6@12"	#4@4"	3 - #7 EF	SEE DETAIL	72'-9"	5

INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	I&G	STRUCT
DATE	12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT	WHR	BMS		BSC	SPC

ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	PJK	JKB
0	12-17-2018	MCB	SPC	PJK	JKB
REV					

DSGN SPC 08-06-2018  
 DRN MCB 08-06-2018  
 CKD PJK 12-17-2018  
 SCALE: AS NOTED  
 FOR 2D/3D DWG ONLY

Stanton Energy Reliability Center, LLC  
 650 Vasco Dr., Suite A - Sacramento, CA 95811  
 Phone: 916-492-6485 Fax: 916-480-3148

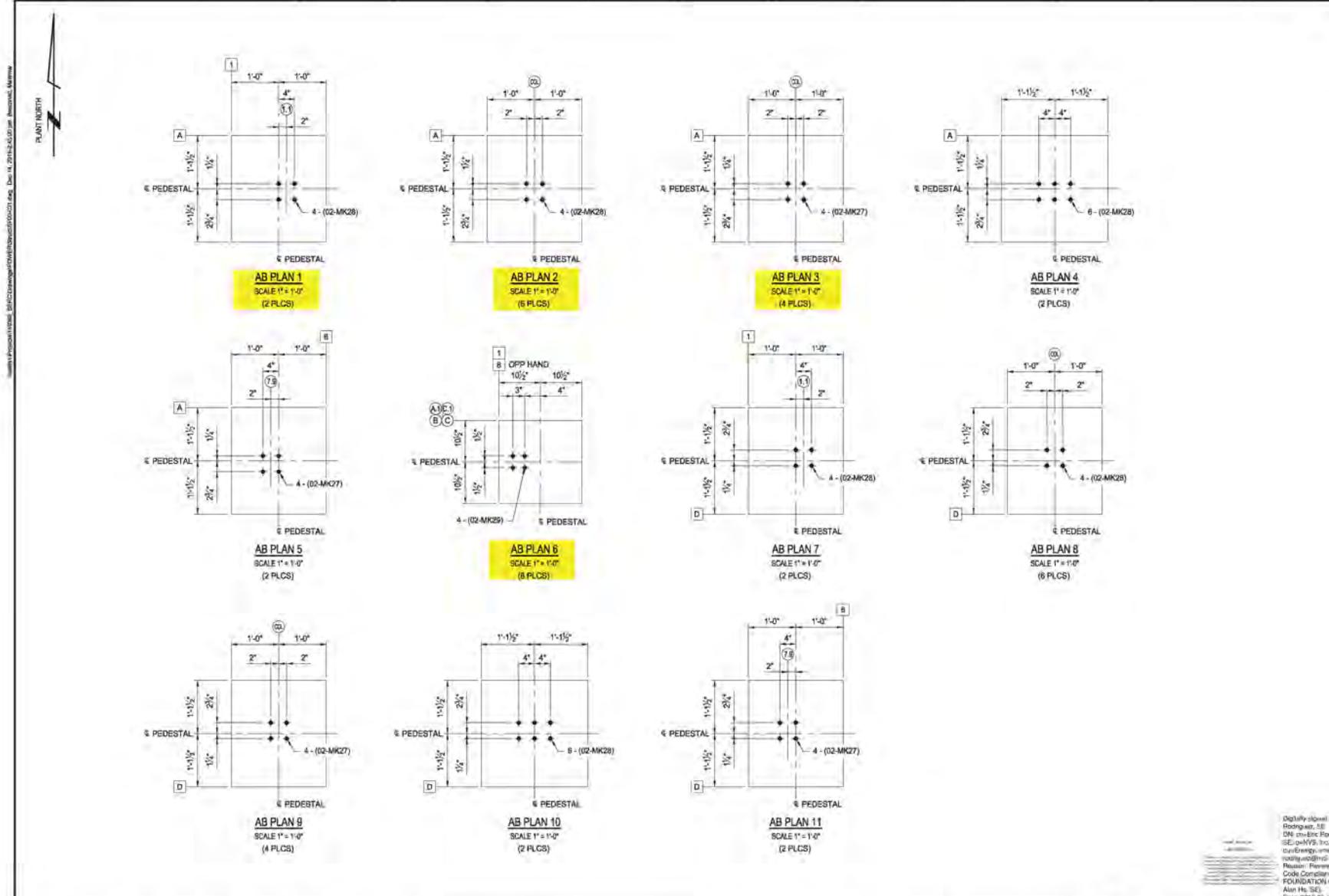
**POWER ENGINEERS**  
 18541 FOSTER, P.O. BOX 1020  
 OVERLAND PARK, KANSAS 66205-1020  
 (913) 681-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER JOB NUMBER 149368 REV 9  
 STRUCTURAL FOUNDATION FOOTING TYPES AND SCHEDULE DRAWING NUMBER SF00-030

Drawn by: Eric R. ...  
 Checked by: ...  
 Designated Professional Engineer  
**SAMUEL P. CAMPBELL**  
 80935  
 CIVIL  
 STATE OF CALIFORNIA  
 12-17-18  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680



SFO030.DWG



- NOTES:**
- FOR FOOTING TYPES & SCHEDULE, SEE DWG SF00-030.
  - FOR TYPICAL ANCHOR BOLT DETAILS, SEE DWG SF00-040.
  - FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050 & DWG SF00-051.
  - FOR FOOTING PLAN, SEE DWG SF02-115.

Digitally signed by Eric Storgaard, SE  
 DN: cn=Eric Storgaard, SE=CA\NYS, INC., ou=Energy, email=eric.storgaard@nrc.com, c=US  
 Reason: Prepared for Code Certification  
 FOUNDATION ONLY by Alan He, SE  
 Date: 2019.05.16 09:13:18 -0700

**SAMUEL P. CAMPBELL CIVIL PE # 60918**  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

SF00-031.DWG

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INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	BMS		BSC	SPC

0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD

DSGN	SPC	11-30-2018
DRN	MCB	11-30-2018
CKD	PJK	12-17-2018
SCALE:	AS NOTED	

Stanton Energy Reliability Center, LLC  
 450 Vasco Dr, Suite A - Sacramento, CA 95811  
 Phone: 916-979-9488 Fax: 916-980-2148

**POWER ENGINEERS**  
 1841 FOSTER, P.O. BOX 1008  
 DUNCAN PARK, KANSAS 66008-1008  
 (913) 981-0821 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149358	REV 1/0
STRUCTURAL FOUNDATION ANCHOR BOLT PLANS	DRAWING NUMBER SF00-031	

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/24/19 12:00 P.M.

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_Fin Fan Cooler Piers\_20190624

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached SF04-103 & SF00-050

TYPE OF INSPECTION:  New  Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Fin Fan Cooler Piers

- \* Form Work
- \* Rebar
- \* Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.24 07:08:45-0700'

DATE: 6/24/19

OFFICES NATIONWIDE

## INSPECTION RESULT

---

**INSPECTION MADE:** SERC\_16-AFC-01\_Fin Fan Cooler Piers\_20190624

**DATE / TIME:** 20190624 1300 **INSPECTOR:** Mary Lee Knolle

- APPROVED**  **AT RISK**  
 **DISAPPROVED**  **PHASE PASS**  
 **REINSPECTION REQUIRED**

**SIGNATURE:**

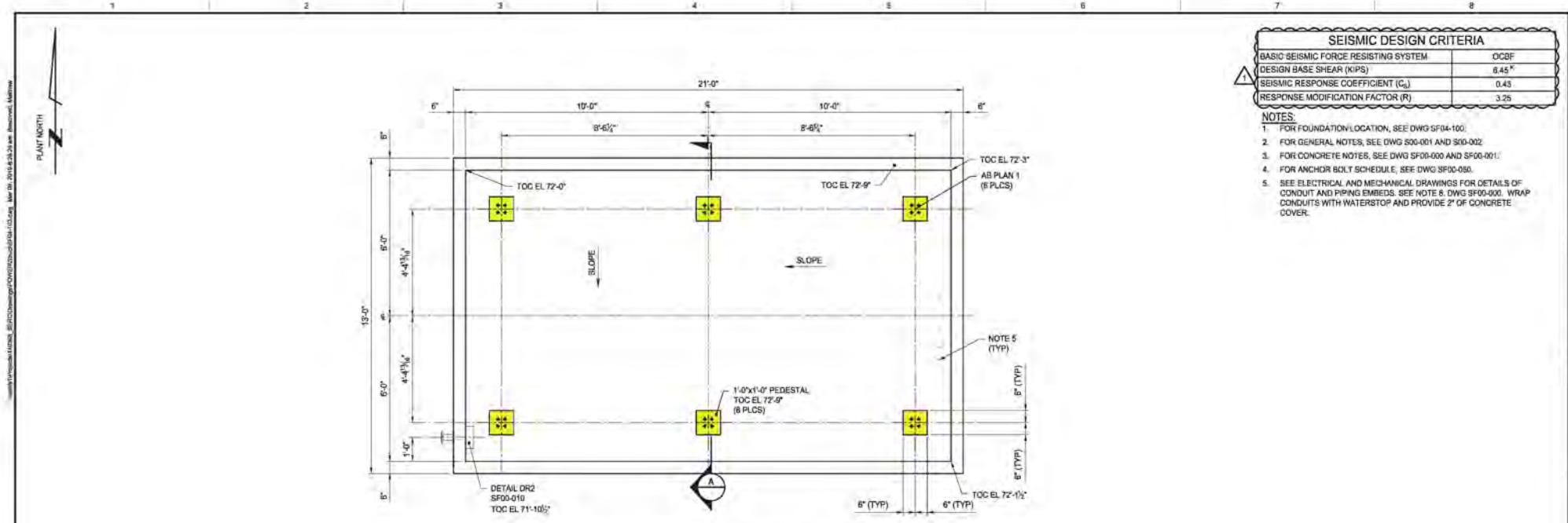
SERC\_16-AFC-01  
--INSPECTED--  
The undersigned hereby certifies that the above information is true and correct to the best of my knowledge and belief, and that I am a duly qualified and licensed professional engineer in the State of California. I am not providing this information for any other purpose, and I am not providing this information to any other person. I am not providing this information to any other person. I am not providing this information to any other person.

Digitally signed by Mary Lee Knolle  
Date: 2019.06.27 14:42:17 -07'00'

**DATE:** June 24, 2019

**COMMENTS:**

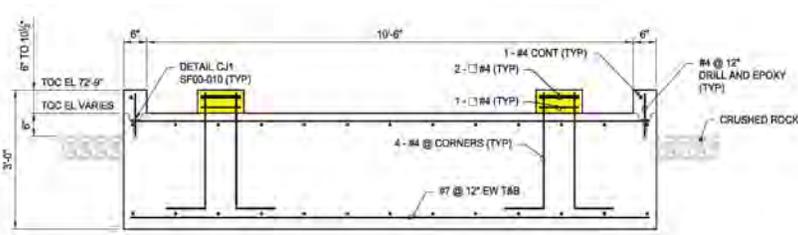
Per plans SF04-103 & SF00-050  
No exceptions taken



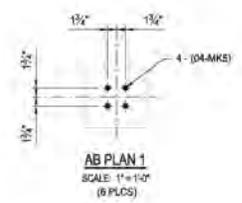
FGC GAS L.O. FIN-FAN COOLER - FOUNDATION PLAN TOC EL 72'-0" UON  
SCALE: 1/2"=1'-0"

SEISMIC DESIGN CRITERIA	
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF
DESIGN BASE SHEAR (KIPS)	6.45 <sup>K</sup>
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.43
RESPONSE MODIFICATION FACTOR (R)	1.25

- NOTES:**
- FOR FOUNDATION LOCATION, SEE DWG SF04-100.
  - FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
  - FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
  - FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-050.
  - SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000. WRAP CONDUITS WITH WATERSTOP AND PROVIDE 2" OF CONCRETE COVER.



SECTION A-A  
SCALE: 3/4"=1'-0"



Digitally signed by Alan Ho  
Reason:  
Reviewed for Code Compliance.  
Date: 2019.04.29 21:34:11 -0700'



W.H. ROMINES, JR., CIVIL PE # C29473  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

SFO4-103.DWG

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&G	MECH	STRUCT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INIT		WHR	CMS		BBC	SPC

REV	DESCRIPTION	DATE	DRN	DSGN	CKD	APPD
1	ISSUED FOR CONSTRUCTION	03-08-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

DSGN	SPC	DATE
DRN	MCB	01-23-2018
CKD	WHR	03-08-2019

Stanton Energy Reliability Center, LLC  
450 Vasco Dr, Suite A - (Stanton), CA 95611  
Phone: 916-879-9488 Fax: 916-880-2148



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149366	REV 1
FGC / AMMONIA STORAGE AREA	DRAWING NUMBER SF04-103	
FGC GAS L.O. FIN-FAN COOLER FOUNDATION PLAN		

ANCHOR BOLT SCHEDULE

MARK NUMBER	TYPE	BOLT DIA (IN)	NO. REQ'D	DIMENSIONS					ANCHOR PLATE SIZE (t x W x L)	BOLT FINISH	NO. OF NUTS @ TOP	BOND BREAKER	GROUT	PROJ.	ANCHOR LOCATION	DWG REFERENCE NO.	REMARKS
				A	B	F	G	L									
01-MK1	HB	1"	46	22"	6"			20"		1	YES	2"	7"	UTILITY RACK 1			
01-MK2	HB	1"	64	22"	6"			20"		1	YES	2"	7"	UTILITY RACK 2			
01-MK9		3/4"	8							1		0"	3"	CTG STAIR PLATFORM		HILTI HDL-L-SS-303 DROP IN ANCHOR	
01-MK8	ADH	3/4"	*	6"				9"		1		0"	3"	STEEL SUPPORTS			
01-MK10	ADH	3/4"	*	5"				9"		1		VARIES	4"	MISCELLANEOUS LADDERS / STAIRS			
01-MK11	ADH	3/4"	240	8"				11"		1			3"	CABLE TRAY SLEEPER 1 AND 2	SF01-108		
02-MK1	RB	1 1/4"	80	25"	11"			41 1/2"	3/4"x6"x4"	2	YES	2"	12"	ERU	SF02-101	F1554 GR 105, NOTE 3	
02-MK2	HB	1 1/4"	32	25"	11"			37"		3	YES	2"	12"	ERU	SF02-101	F1554 GR 105, NOTE 3	
02-MK3	RB	2"	32	25"	13"			44"	3/4"x5"x5"	2	YES	2"	14"	EXHAUST STACK	SF02-101	F1554 GR 105, NOTE 3	
02-MK4	RBS	1 1/2"	12	24"	6 1/2"	4"	15"	35 1/2"	3/4"x4"x4"	1		2"	7 1/2"	COMBUSTION TURBINE GENERATOR	SF02-102-1	F1554 GR 105	
02-MK5	RBS	1 1/2"	36	25"	6 1/2"	4"	15"	37"	3/4"x4"x4"	1		2"	7 1/2"	COMBUSTION TURBINE GENERATOR	SF02-102-1	F1554 GR 105	
02-MK6	HB	1"	12	20"	5"			26"		1	YES	2"	6"	AUXILIARY SKID	SF02-102-1	F1554 GR 105	
02-MK7	ADH	3/4"	16	9"				14"		1		2"	5"	FIN-FAN LUBE OIL COOLER	SF02-102-1		
02-MK8	ADH	3/4"	16	8"				11"		1		0"	3"	OLY WATER WASTE TANK	SF02-103		
02-MK9	ADH	3/4"	12	6"				9"		1		0"	3"	FOGGING DRAIN TRANSFER PUMP	SF02-104		
02-MK10														FOGGING DRAIN TANK	SF02-104		
02-MK11	ADH	3/4"	8	9"				12"		1		0"	3"	CO2 FIRE PROTECTION SKID	SF02-104		
02-MK12	HB	3/4"	8	13"	3"			17"		1	YES	2"	4"	FOGGING SKID	SF02-104	F1554 GR 105	
02-MK13	ADH	3/4"	12	9"				14"		1		2"	5"	WATER INJECTION SKID	SF02-104		
02-MK14	ADH	3/4"	12	9"				12"		1		0"	3"	13.8KV SWITCHGEAR	SF02-105	F1554 GR 55	
02-MK15		3/4"	48							1		0"	3"	TURBINE REMOVAL FOUNDATION	SF02-106	HILTI HSL3-M20	
02-MK16	ADH	3/4"	28	8"				13"		1		2"	5"	ERU PURGE/TEMPERING AIR BLOWER	SF02-107	F1554 GR 105	
02-MK17	HB	3/4"	16	17"	4"			22"		1	YES	2"	5"	AMMONIA INJECTION SKID	SF02-108	F1554 GR 55	
02-MK18	ADH	3/4"	24	8"				11"		1		0"	3"	CEMS ENCLOSURE	SF02-109		
02-MK19	HB	3/4"	8	14"	4"			19"		1	YES	2"	5"	FUEL GAS COALESCING FILTER SKID	SF02-111	F1554 GR 55	
02-MK20	ADH	3/4"	4	6"				8"		1		0"	2"	DESICCANT AIR DRYER	SF02-112		
02-MK21	ADH	3/4"	4	6"				8"		1		0"	2"	INSTRUMENT AIR RECEIVER	SF02-112		
02-MK22	ADH	1"	8	12"				18"		1		0"	4"	480V AUXILIARY TRANSFORMER	SF02-113		
02-MK23	ADH	3/4"	8	6"				6"		1		0"	2"	NEUTRAL GROUNDING RESISTOR	SF02-113		
02-MK24	ADH	3/4"	4	6"				8"		1		0"	2"	COMPRESSED AIR RECEIVER	SF02-114		
02-MK25	ADH	3/4"	8	6"				8"		1		0"	2"	AIR COMPRESSOR	SF02-114		
02-MK26	HB	3/4"	32	12"	3"			15"		1		0"	3"	AIR COMPRESSOR SUN SHADE	SF02-114		
02-MK27	HB	3/4"	48	16"	4"			22"		1	YES	0"	4"	POWER BLOCK WALL COLUMN		F1554 GR 55	
02-MK28	HB	1"	88	20"	4"			24"		1	YES	0"	4"	POWER BLOCK WALL COLUMN			
02-MK29	HB	3/4"	32	16"	3"			21"		1	YES	0"	3"	POWER BLOCK WALL COLUMN			
02-MK30	ADH	3/4"	80	8"				8"		1		0"	2"	POWER BLOCK WALL DOOR / OPENING		NOTE 5	
04-MK1	HB	1"	8	23"	4"			39"		1	YES	0"	16"	AMMONIA STORAGE TANK	SF04-101		
04-MK2														AMMONIA VENT BATH TANK	SF04-101		
04-MK3	ADH	3/4"	6	12"				16"		1		2"	4"	AMMONIA FORWARDING PUMP SKID	SF04-101-1		
04-MK4	HB	3/4"	10	20"	4"			25"		1	YES	2"	5"	FUEL GAS COMPRESSOR	SF04-102		
04-MK5	HB	3/4"	24	21"	4"			26"		1	YES	2"	5"	FGC GAS, O, FIN-FAN COOLER	SF04-103		
04-MK6	ADH	5/8"	4	8"				11"		1		0"	3"	4160V FGC AUXILIARY TRANSFORMER	SF04-104	FIELD VERIFY WITH EQUIPMENT	
04-MK7	ADH	3/4"	4	7"				9"		1		0"	2"	FGC SOFT STARTER	SF04-105		
04-MK8	ADH	5/8"	2	5"				7"		1		0"	2"	AMMONIA STORAGE GUARDRAIL	SS04-101		

- NOTES:
- FOR TYPICAL ANCHOR BOLT DETAILS, SEE DWG SF00-040.
  - HOLE DIA ON ANCHOR PLATE AND PLATE WASHER SHALL BE 1/8" LARGER THAN BOLT DIA UOIN.
  - FIRST NUT FINGER TIGHT, SECOND NUT JAM TIGHT.
  - WRAP TOP OF BOLT BELOW TOC W/ DUCT TAPE FOR BOND BREAK, BOND BREAK = 1/3 DIA.
  - FIELD LOCATE DOOR AND OPENING JAMB ANCHORS PER AG2-101, AG2-102, AG2-104, AND PRE-ENGINEERED BUILDING ASSEMBLY DRAWINGS, ANCHOR INTO SLAB ON GRADE.

LEGEND:  
\* FIELD DETERMINE



SF00-050.DWG

INTER-DISCIPLINE REVIEW

DISC	ARCH	CIVIL	ELECT	IAC	MECH	STRUCT
DATE		12-13-2018	12-13-2018	*	12-13-2018	12-13-2018
INIT		WHR	CMS	*	BSC	SPC

REVISIONS

REV	ISSUED FOR CONSTRUCTION	DATE	DRN	DSGN	CKD	APPD
6	ISSUED FOR CONSTRUCTION	06-17-2019	MCB	JDH	PJK	JKB
5	ISSUED FOR CONSTRUCTION	05-17-2019	MCB	JDH	PJK	JKB
4	ISSUED FOR CONSTRUCTION	04-01-2019	MCB	JDH	PJK	JKB
3	ISSUED FOR CONSTRUCTION	03-15-2019	MCB	SPC	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

Stanton Energy Reliability Center, LLC  
450 Vasco Dr, Suite A - Sacramento, CA 95811  
Phone: 916-499-9488 Fax: 916-499-2316



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149366	REV A
STRUCTURAL FOUNDATION ANCHOR BOLT SCHEDULE	DRAWING NUMBER SF00-050	

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/26/19 8:00

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_Cathodic Protection UG Pipe\_20190626

CONTRACTOR: ARB, Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

Inspection of welds for UG Carbon and Stainless Steel pipe prior to back fill.

TYPE OF INSPECTION:       New               Re-Inspection              Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

See attached CP01-002,003,005,006,007,008 & Mech1-7.0

REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB, Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.26 08:37:40 -0700'

DATE: 6/26/2019

OFFICES NATIONWIDE

## INSPECTION RESULT

---

**INSPECTION MADE:** SERC\_16-AFC-01\_Cathodic Protection UG Pipe\_20190626

**DATE / TIME:** 20190626 **INSPECTOR:** Mary Lee Knolle

- APPROVED  AT RISK  
 DISAPPROVED  PHASE PASS  
 REINSPECTION REQUIRED

**SIGNATURE:**

SERC\_16-AFC-01  
--INSPECTED--  
The information provided on this report is based on the data  
collected and reported on the inspection. It is not intended  
to be used for any other purpose. No responsibility is  
assumed for any errors or omissions. The information  
provided is for informational purposes only. It is not  
intended to be used for any other purpose.

Digitally signed by Mary  
Lee Knolle  
Date: 2019.06.28  
08:59:40 -07'00'

**DATE:** June 26, 2019

### COMMENTS:

per plans CP01-002,003,005,006,007,008 & Mech1-7.0 Observed installation on Cathodic to the under ground piping only, the balance of install pending back fill of north trench  
No exceptions taken

## INSPECTION REQUEST

---

REQUESTED INSPECTION DATE / TIME: 6/28/2019 9:00 a.m.

INSPECTION NUMBER (File Name): SERC\_16-AFC-01\_Fire Water Encasement\_20190628

CONTRACTOR: ARB,Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached MP01-011,MP01-013,MP01-014 & MP00-072

TYPE OF INSPECTION:      New              Re-Inspection              Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Fire Water Line

- \* Form Work
- \* Rebar
- \* Cleanliness

See RFI-00060 if you have any questions on Revisions

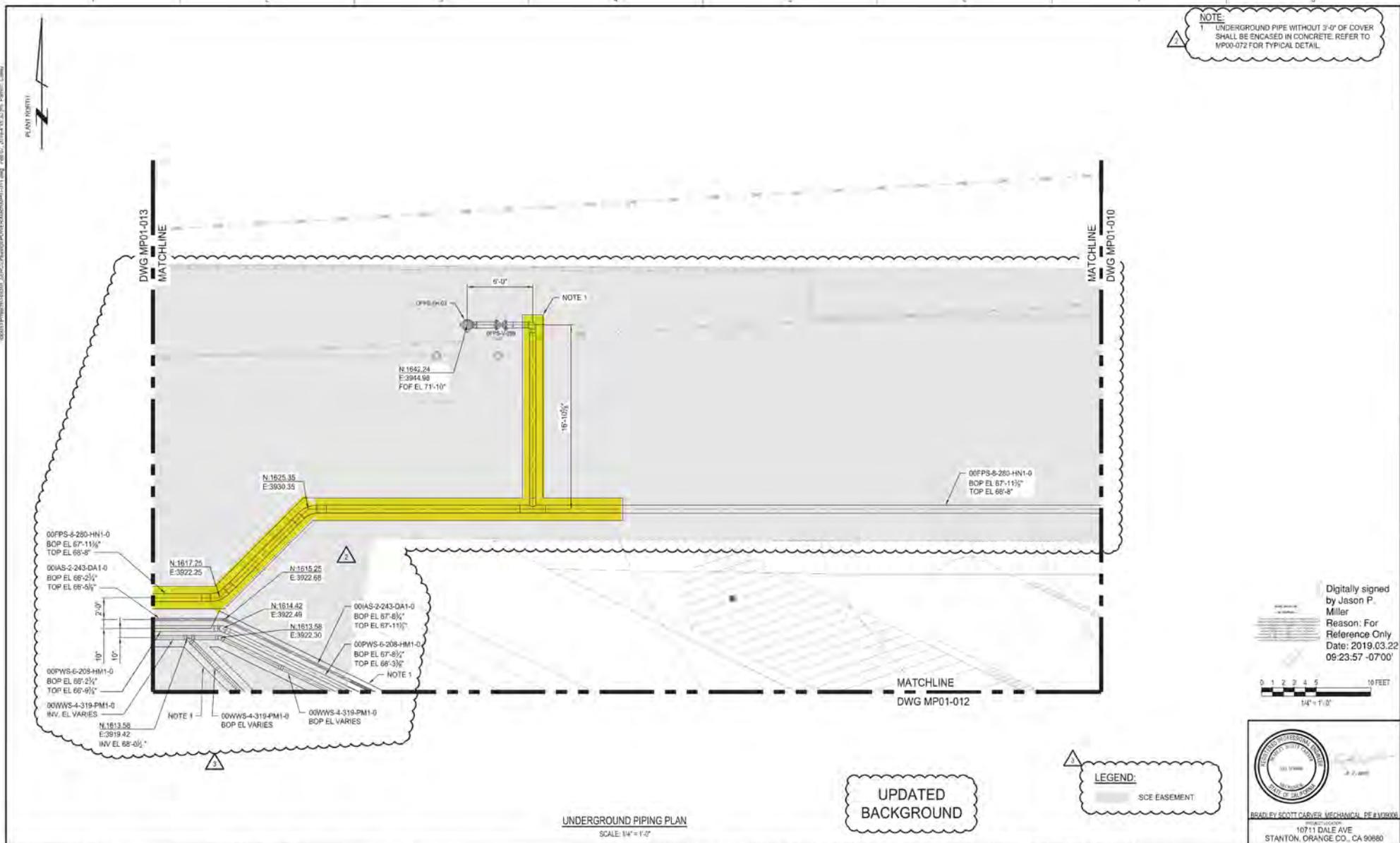
REQUESTOR SIGNATURE: Jose Pagan

Digitally signed by Jose Pagan  
DN: C=US, E=jpagan@prim.com,  
O="ARB,Inc", OU=QA/QC, CN=Jose  
Pagan  
Date: 2019.06.28 08:34:37-0700'

DATE: 6/28/2019



**NOTE**  
 1 UNDERGROUND PIPE WITHOUT 3'-0" OF COVER SHALL BE ENCASED IN CONCRETE. REFER TO MP00-072 FOR TYPICAL DETAIL.



UNDERGROUND PIPING PLAN

SCALE: 1/4" = 1'-0"

Digitally signed by Jason P. Miller  
 Reason: For Reference Only  
 Date: 2019.03.22 09:23:57 -0700



PROFESSIONAL ENGINEER  
 JASON P. MILLER  
 STATE OF CALIFORNIA  
 10711 DALE AVE  
 STANTON, ORANGE CO., CA 92680

UPDATED BACKGROUND

**LEGEND:**  
 SCE EASEMENT

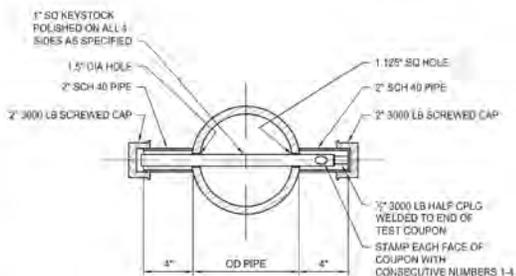
INTER-DISCIPLINE REVIEW																
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	3	ISSUED FOR CONSTRUCTION	02-07-2019	CLP	BSC	CJS	JKB	DSGN	BSC	10-29-2018
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018	2	ISSUED FOR CONSTRUCTION	01-29-2019	NLI	BSC	CJS	JKB	CKD	CLP	10-29-2018
INIT		WHR	CMS		BSC	SPC	1	ISSUED FOR CONSTRUCTION	01-04-2019	CLP	BSC	CJS	JKB	SCALE:	AS NOTED	02-07-2019
							0	ISSUED FOR CONSTRUCTION	12-17-2018	DCA	BSC	CJS	JKB	APPRO		
REV								REVISIONS	DATE	DRN	DSGN	CKD	APPD			

Stanton Energy Reliability Center, LLC  
 650 Westchase Dr., Suite A - Sacramento, CA 95833  
 Phone: 916-492-0400 Fax: 916-208-2548



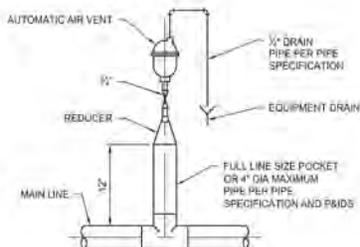
STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
OVERALL SITE	149368	3
UNDERGROUND PIPING PLAN	DRAWING NUMBER	
	MP01-011	

MP01-011.DWG

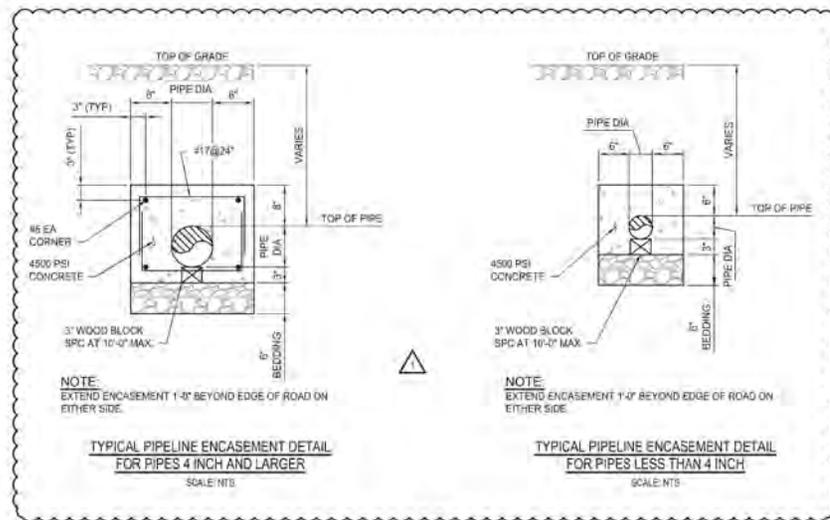


**NOTE**  
LENGTH OF KEY STOCK SHALL BE  
OD OF PIPE PLUS 7.25"

**STEAM/GAS BLOW TEST COUPON**  
SCALE: NTS



**AUTOMATIC AIR VENT**  
SCALE: NTS



**TYPICAL PIPELINE ENCASEMENT DETAIL  
FOR PIPES 4 INCH AND LARGER**  
SCALE: NTS

**TYPICAL PIPELINE ENCASEMENT DETAIL  
FOR PIPES LESS THAN 4 INCH**  
SCALE: NTS

Digitally signed by  
Jason P. Miller  
Reason:  
Reviewed for  
Code Compliance  
Date: 2019.05.16  
12:39:36 -07'00'

RIGHT BY SCOTT DARYER, MECHANICAL, PE #18090  
10711 DALE AVE  
STANTON, ORANGE CO., CA 92680

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUOT
DATE		12-13-2018	12-13-2018		12-13-2018	12-13-2018
INT		WHR	CMS		BSC	SPC

REVISIONS	DATE	DRN	DSGN	CKD	APPD
2	02-07-2019	CLP	BSC	CJS	JKB
1	01-29-2019	NLI	BSC	CJS	JKB
0	12-17-2018	LPW	BSC	CJS	JKB

Stanton Energy Reliability Center, LLC  
490 Stone Hill, Suite 4 - Sacramento, CA 95833  
Phone: 916-492-4866 Fax: 916-492-4246

10014 1/2017 I&C, SPC, REV 1000  
1700 LAMAR AVENUE, SUITE 1000  
DALLAS, TEXAS 75243-1000  
972-443-2800 • www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149368	REV 2
MECHANICAL PIPING INSTALLATION DETAILS		DRAWING NUMBER MP00-072

MP00-072.DWG





End Report