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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

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
Total CRM/NAM-Days	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"> 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 	<p>In compliance</p> <ul style="list-style-type: none"> Owner has appointed CRS and Alternate CRS. CRS is directing monitoring. CRS has obtained services of CRMs and NAMs No additional technical specialists have

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
	<ul style="list-style-type: none"> CRS may obtain services of Cultural Resources Monitors (CRMs) and Native American Monitors (NAMs) CRS may obtain services of additional technical specialists as needed. 	been required
CUL-2: Information to be Provided to CRS	<ul style="list-style-type: none"> 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. Owner must provide CRS with a weekly construction schedule Owner must notify CRS of any changes to construction phases. 	In compliance <ul style="list-style-type: none"> Owner has provided CRS with project information and maps Owner provides three-week lookahead schedule weekly There have been no changes to the construction phases.
CUL-3: Cultural Resources Mitigation and Monitoring Plan (CRMMP)	<ul style="list-style-type: none"> 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. 	In compliance <ul style="list-style-type: none"> The CRMMP has been prepared and approved by the CPM
CUL-4: Final Cultural Resources Report	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.	Not applicable – construction is not completed.
CUL-5: Cultural Resources Worker Environmental Awareness Program (WEAP)	<ul style="list-style-type: none"> 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. 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 	In compliance <ul style="list-style-type: none"> All workers on site have viewed the video/PowerPoint training and signed the documentation sheet (found in the Biological Resources Compliance report).
CUL-6: Cultural Resources Monitoring	<ul style="list-style-type: none"> The CRS, Alt CRS, or CRMs must be onsite to monitor ground disturbance in native (non-fill) soils. The CRS must obtain the services of a NAM to monitor ground disturbance in non-fill sediments. CRMs and NAMs must prepare a daily field report, to be submitted daily by the CRS. The CRS must prepare a Monthly Compliance Report summarizing activities of CRS, CRMs, and NAMs. The CRS must report incidents of non-compliance with LORS 	In compliance <ul style="list-style-type: none"> The CRS or CRM has monitored ground disturbance. A NAM monitored ground disturbance The CRS has submitted the daily field reports The CRS has prepared this Monthly Compliance Report There have been no incidents of non-compliance with LORS
CUL-7: Powers of CRS/Cultural Resources Discovery Protocol	<ul style="list-style-type: none"> The CRS has authority to halt construction in the event of a cultural resource find The CRS or CRM must record the find on Form DPR-523 and notify the CPM 	In compliance <ul style="list-style-type: none"> No cultural resources have been found No human remains have been found No finds of interest to Native Americans

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
	<ul style="list-style-type: none"> • If human remains are found, the CRS must notify the Native American Heritage Commission. • If the find would be of interest to Native Americans, the CRS must notify Native American groups that have expressed an interest in notification. 	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.	In compliance <ul style="list-style-type: none"> • No new sources of non-commercial fill or disposal were identified for use this month.

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"> 1. Excavation on west end for 66 kV trench to a depth of 7-8 feet 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 	<ol style="list-style-type: none"> 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 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 	No paleontological resources were observed
3	<p>Parcel 2</p> <p>Parcel 1</p>	<ol style="list-style-type: none"> 1. Excavations for fire protection trench along north end of parcel to a depth of approximately 5 feet 2. Minor grading along south boundary where 66 kV was backfilled 	<ol style="list-style-type: none"> 1. Upper 4 feet was disturbed with lower foot consisting of poorly indurated light gray fine- medium sands 2. Disturbed sediment 	No paleontological resources were observed
4	Parcel 1	<ol style="list-style-type: none"> 1. Excavations for the 66 kV line from east end closest to Dale Ave to a depth of 13 feet 2. Excavation of 66 kV duct bank heading west to a depth of 13 feet 	<ol style="list-style-type: none"> 1. Two feet of disturbed sandy loam followed by native poorly indurated light gray to buff fine-medium sand with orange/beige laminae staining 2. Same stratigraphy as above 	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:

Sunny 81

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 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

[Home](#) [Accounts](#) [Payments](#) [Transfers](#) [Check Services](#) [Tools](#)

Timeout: 0:14:53

[View US Wire](#)
US Wire[Help](#)[View Payment History](#)**Payment Information**

Status	Confirmed
Confirmation Number	IMAD:0620L4874B1C000059
Payment Number	49237507
Debit Account	SERC OP - *****6538
Debit Amount	124,284.11 USD
Value Date	06/20/2019
Send Date	06/20/2019
Frequency	One-Time Only
Reference for Recipient	SERC
Details of Payment	Invoice# 124214 CBO Invoice
Ordering Customer	

Recipient Information

Recipient	NVS Inc. Account Number [REDACTED] 200 S Park Road STE 350 Hollywood, FL 33021-8798
Recipient Bank	BANK OF AMERICA, N.A., NY [REDACTED] NEW YORK NY UNITED STATES

Options

Intermediary Bank	
Receiving Bank	
Bank to Bank Information	

[Cancel](#)

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
TOTAL		5420

Attachment 15 – SOIL&WATER-8 Encroachment Permit

10711 Date

**City of Stanton
Department of Public Works**

Project Start Date: 5/1/19Project 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 #718096ag \$455.00SUBCONTRACTOR:
BUSINESS LICENSE: YES X NO LICENSE NUMBER: 194079LOCATION/DESCRIPTION OF WORK: INSTALL TEMPORARY DRIVEWAY FOR HEAVY HAUL TRUCKING.WILL ULTIMATELY BE REPLACED WITH NEW DRIVEWAY DESIGN IN ANOTHER ENCROACHMENT PERMITNAME 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: \$455.00

CITY STAFF USE ONLY

ADDITIONAL COMMENTS: <u>Contact city prior start of work.</u>
APPROVED <u>[Signature]</u> <u>4/22/19</u> 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 [Signature]PHONE NO. 310.874.9612MAILING ADDRESS 26000 COMMERCENTRE DRIVE, LAKE FOREST, CA 92630CITY 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 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
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
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

(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 COMMERCE CENTRE 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		Permit Valid through		
194079		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 <u>County</u> Orange	2/4/19	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

Date

Approved by _____

District Manager

Date

Christina

5/16/19

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		194079		Permit Valid through		June 26, 2020	
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  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		194079		Permit Valid through		June 26, 2020	
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 Chris Moulden	Received By Permit Unit
<input type="checkbox"/> Cash	Amount \$100.00
<input checked="" type="checkbox"/> Check 716726	Date 6/26/19

Investigated by _____

Approved by _____

Safety Engineer

Date

6/26/2019

District Manager/Permit Unit

Date

From: noreply@digalert.org
To: 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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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 COMMERCE CENTRE 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

Comments:

RESENDUPDATE ONLY-WORK CONT PER NICK TASICH--[JLL 02/15/2019 10:37:32 AM]
RESENDREQUEST 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 TELEC-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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From: noreply@digalert.org
To: 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 COMMERCE CENTRE 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

Comments:

RESENDUPDATE 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 TELECOM-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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From: noreply@digalert.org
To: 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

Comments:

RESENDUPDATE 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 RUIITEMSCHILD	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
To: 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

Comments:

RESENDUPDATE 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 TELECOM-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"> 1. Additional gravel was added to the existing ramps at the tire washing/cleaning station 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. 3. The assigned laborers will also be sweeping the rumble plates when build-up occurs to maintain the efficiency of the plates. 4. Above and beyond, the contractor added another set of rumble plates and gravel at the Dale Ave. entrance. 	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 5th 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 ADDITIONAL PAGES IF NEEDED):

GSU Pedestals

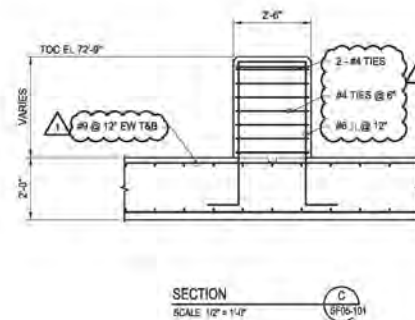
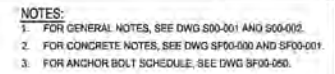
- * Form Work
- * Rebar Inspection
- * Cleanliness
- * Water Stops

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





Digitally signed by Luis Rodriguez, Sr.
DN: cn=Luis Rodriguez, o=EMERY, email=luiz.rodriguez@emery.com, c=US
Reason: Reviewed by Code Compliance
FOUNDATION DML # (by Alan Ho, SE).
Date: 2015.05.16 10:51:34 -0700



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

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

DSGN	SPC	01-24-2019
DRN	MCB	01-24-2019
CKD	PJK	02-05-2019
SCALE:		AS NOTED

Stanton Energy Reliability Center, LLC
650 Oregon Dr., Suite A • Sacramento, CA 95811
Phone: 916-499-9480 Fax: 916-880-3348



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
SWITCHYARD AREA	140304	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 ADDITIONAL 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

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - ENERGY - PROGRAM MANAGEMENT - ENVIRONMENTAL

ISSUED FOR CONSTRUCTION - 20190516

\\stn-cad\projects\2019\20190516\POWER BLOCK WALL\POWER BLOCK WALL.dwg, May 16, 2019, 12:53:04 pm, lba, lba



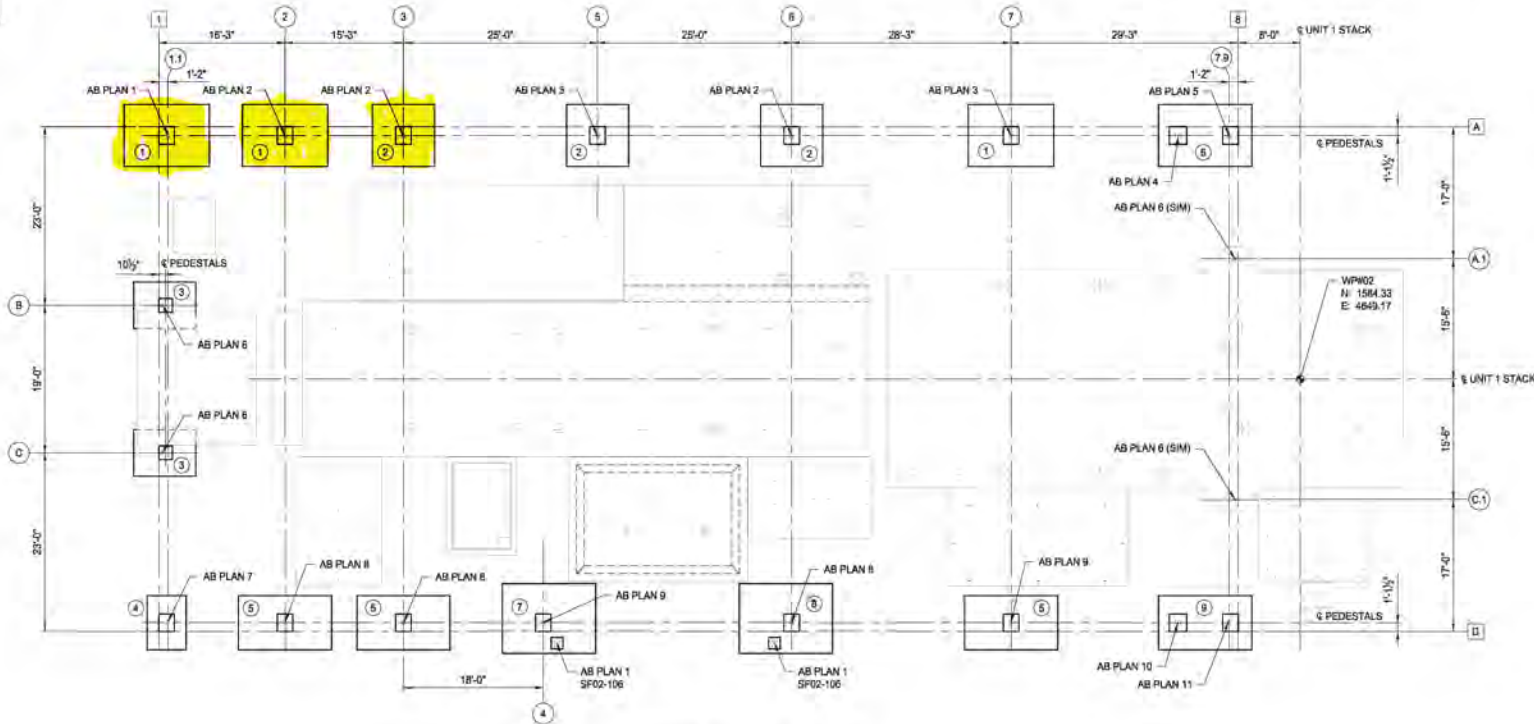
SEISMIC DESIGN CRITERIA		
	N-S	E-W
BASIC SEISMIC FORCE RESISTING SYSTEM	OMF	OCBF
DESIGN BASE SHEAR (KIPS)	81.64	53.40
SEISMIC RESPONSE COEFFICIENT (C _s)	0.368	0.396
RESPONSE MODIFICATION COEFFICIENT (R)	3.50	3.25

FOOTING LEGEND:

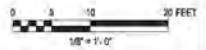
- ① FOOTING TYPE 1 - SEE DWG SF00-030
- ② FOOTING TYPE 2 - SEE DWG SF00-030
- ③ FOOTING TYPE 3 - SEE DWG SF00-030
- ④ FOOTING TYPE 4 - SEE DWG SF00-030
- ⑤ FOOTING TYPE 5 - SEE DWG SF00-030
- ⑥ FOOTING TYPE 6 - SEE DWG SF00-030
- ⑦ FOOTING TYPE 7 - SEE DWG SF00-030
- ⑧ FOOTING TYPE 8 - SEE DWG SF00-030
- 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, SE, DN: cn=Eric Rodriguez, SE, o=NYS, Inc., ou=Energy, email=eric.rodriguez@nys.com, c=US
Reason: Reviewed for Code Compliance
FOUNDATION ONLY (by John No. SE)
Date: 2019.05.16 09:54:39 -0700



V.H. ROMINES, JR., CIVIL PE #C20474
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

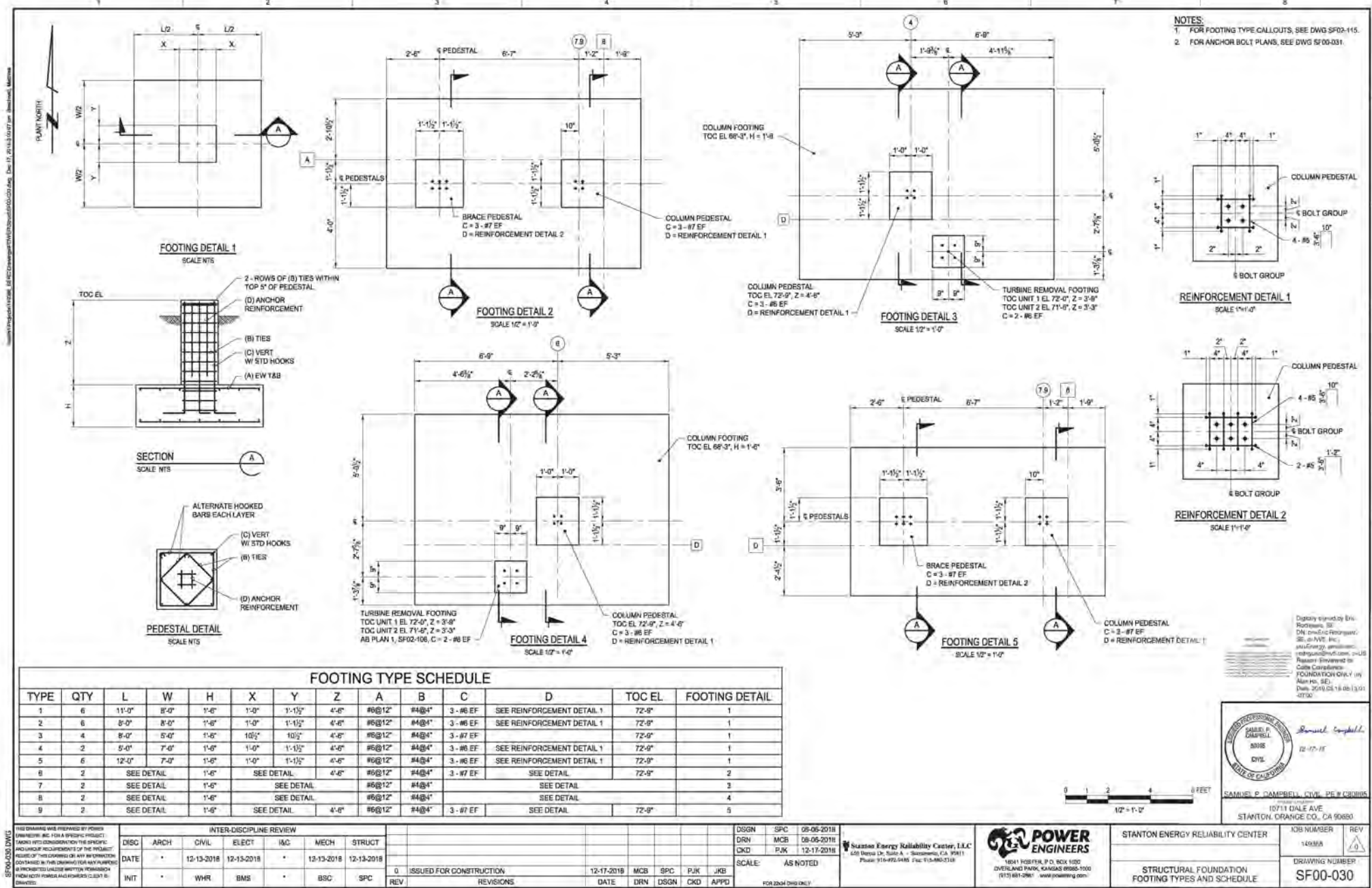
REV	DATE	DRN	DSGN	CKD	APPD
1	05-09-2019	MJH	WHR	PJK	JKB
0	12-17-2018	MCB	SPC	PJK	JKB

DSGN	SPC	08-06-2018
DRN	MCB	08-06-2018
CKD	WHR	05-09-2019

Stanton Energy Reliability Center, LLC
450 West Dr, Suite A - Sacramento, CA 95811
Phone: 916-492-9485 Fax: 916-880-5138



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149368	REV 1
CTG-01 AREA	DRAWING NUMBER SF02-115	
POWER BLOCK WALL FOOTING PLAN		



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 ADDITIONAL PAGES IF NEEDED):

Drawing # SF00-030 & SF02-115

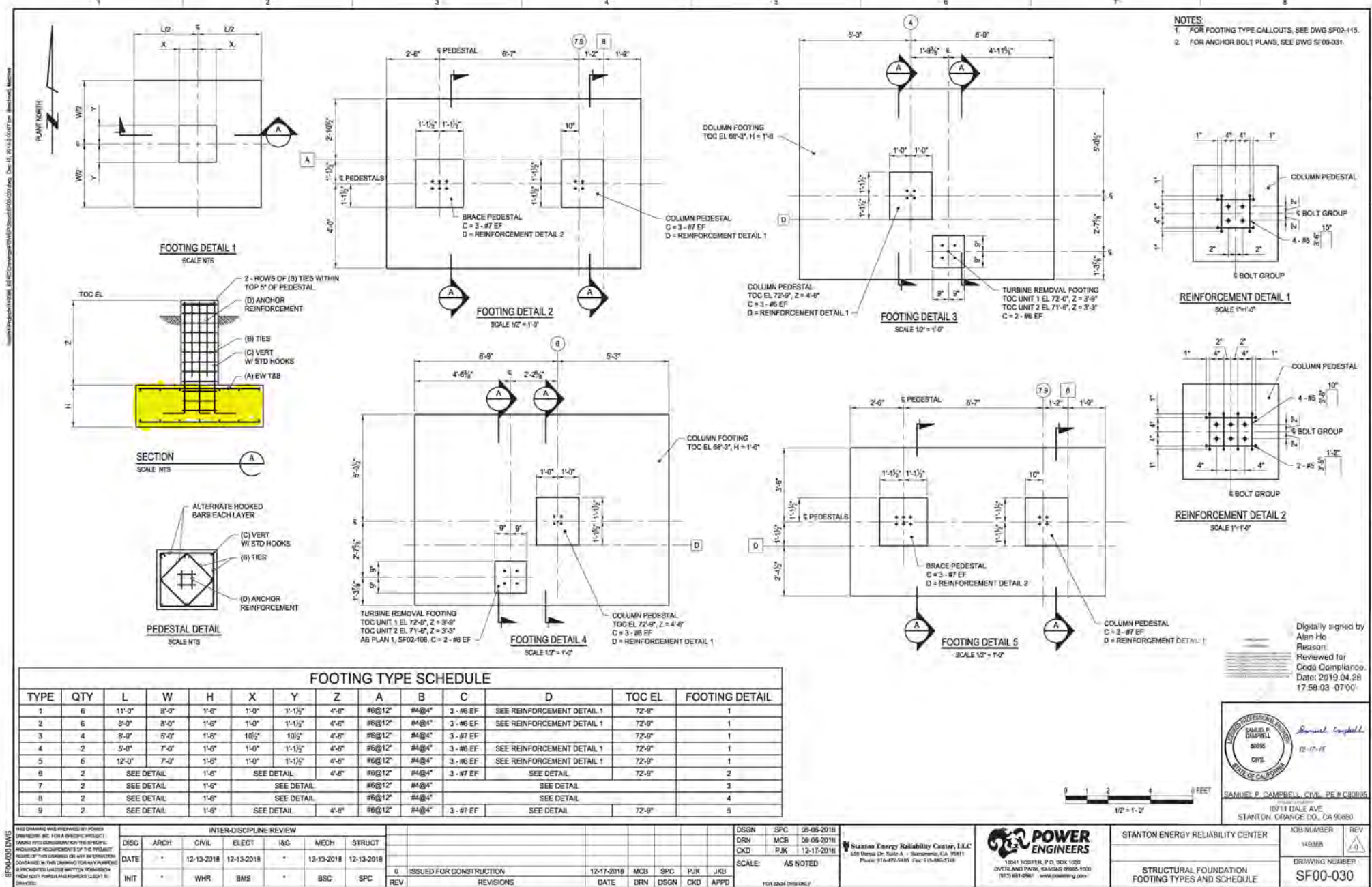
- * Form Work
- * Rebar
- * Cleanliness

REQUESTOR SIGNATURE: Jose Pagan

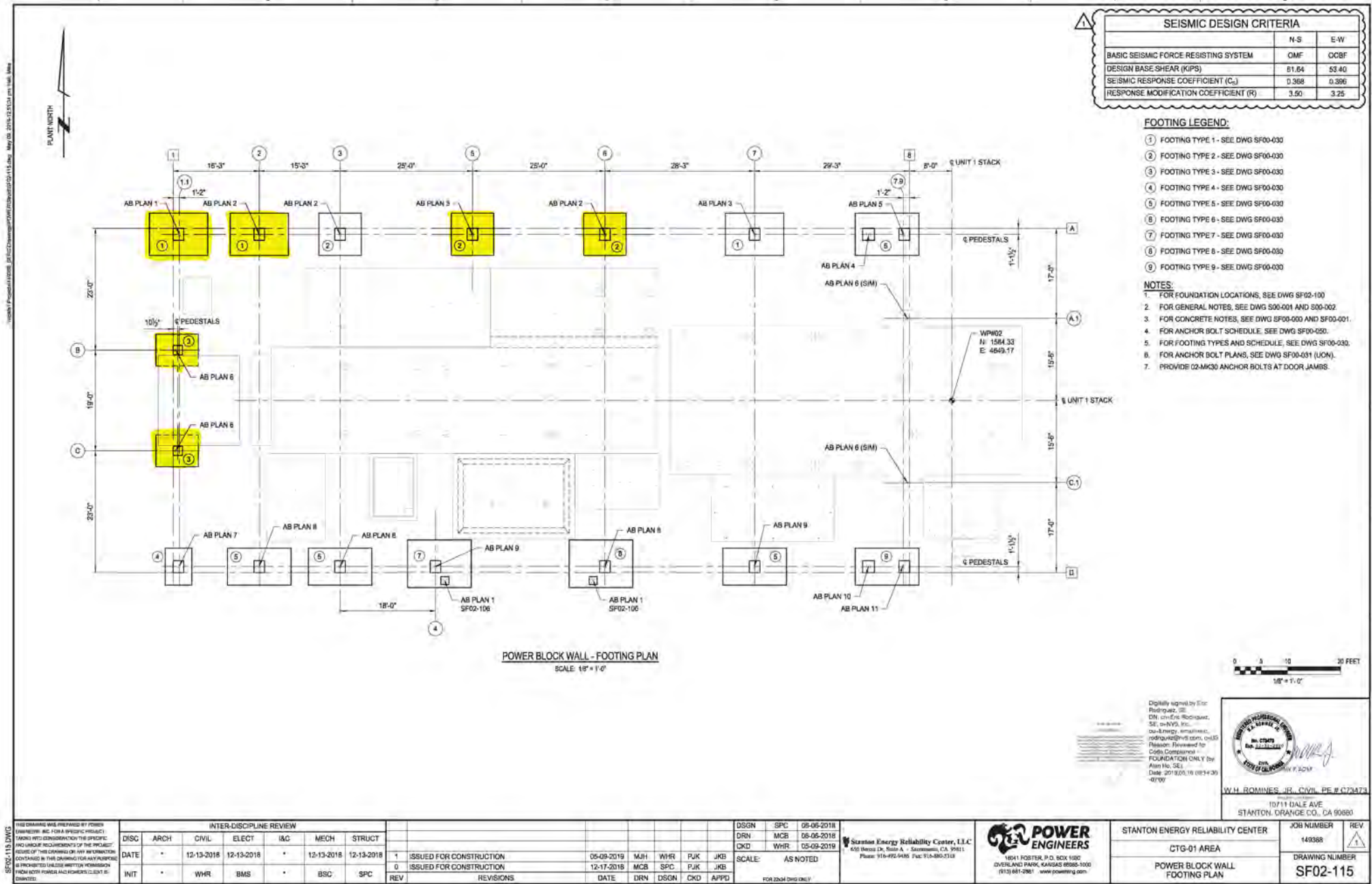
Digitally signed by Jose Pagan
DN: C=US, E=jpagan@prim.com,
O="ARB, Inc", OU=QA/QC, CN=Jose
Pagan
Date: 2019.06.10 07:34:50 -0700

DATE: 6/10/2019

OFFICES NATIONWIDE



ISSUED FOR CONSTRUCTION - 20190516



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 ADDITIONAL 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

OFFICES NATIONWIDE

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 --
This document is the property of NV5 and is not to be distributed outside the NV5
office of the signatory. It is to be used for the purpose of the project only.
Copies of this document are to be maintained in the project file.
Project drawings and specifications. No alterations to
drawings or specifications are to be made without the written
approval of the signatory. Any alterations to drawings or
specifications must be approved by the signatory and
the project manager. Any alterations to drawings or
specifications must be approved by the signatory and
the project manager.

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

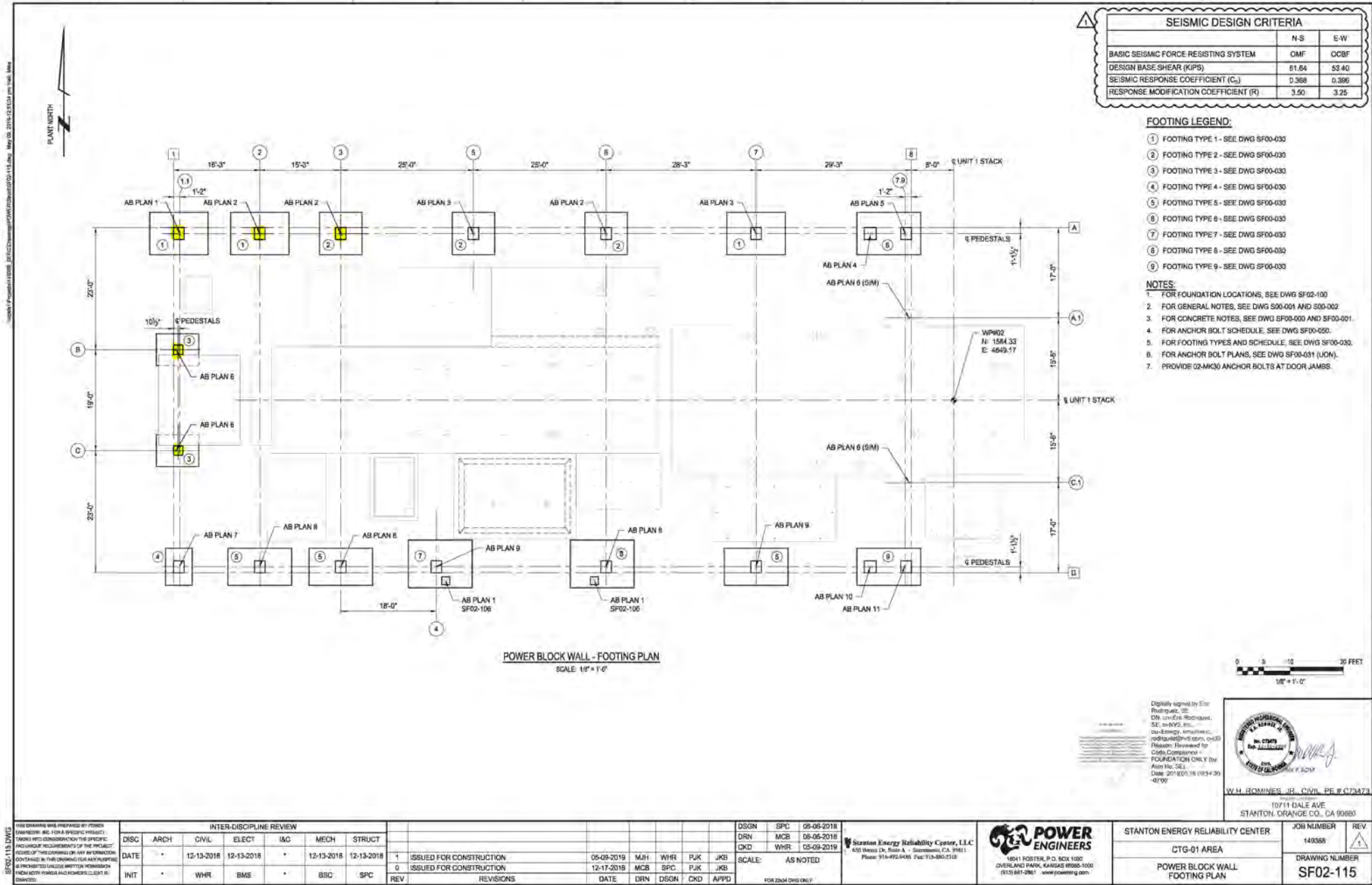
DATE: June 13, 2019

COMMENTS:

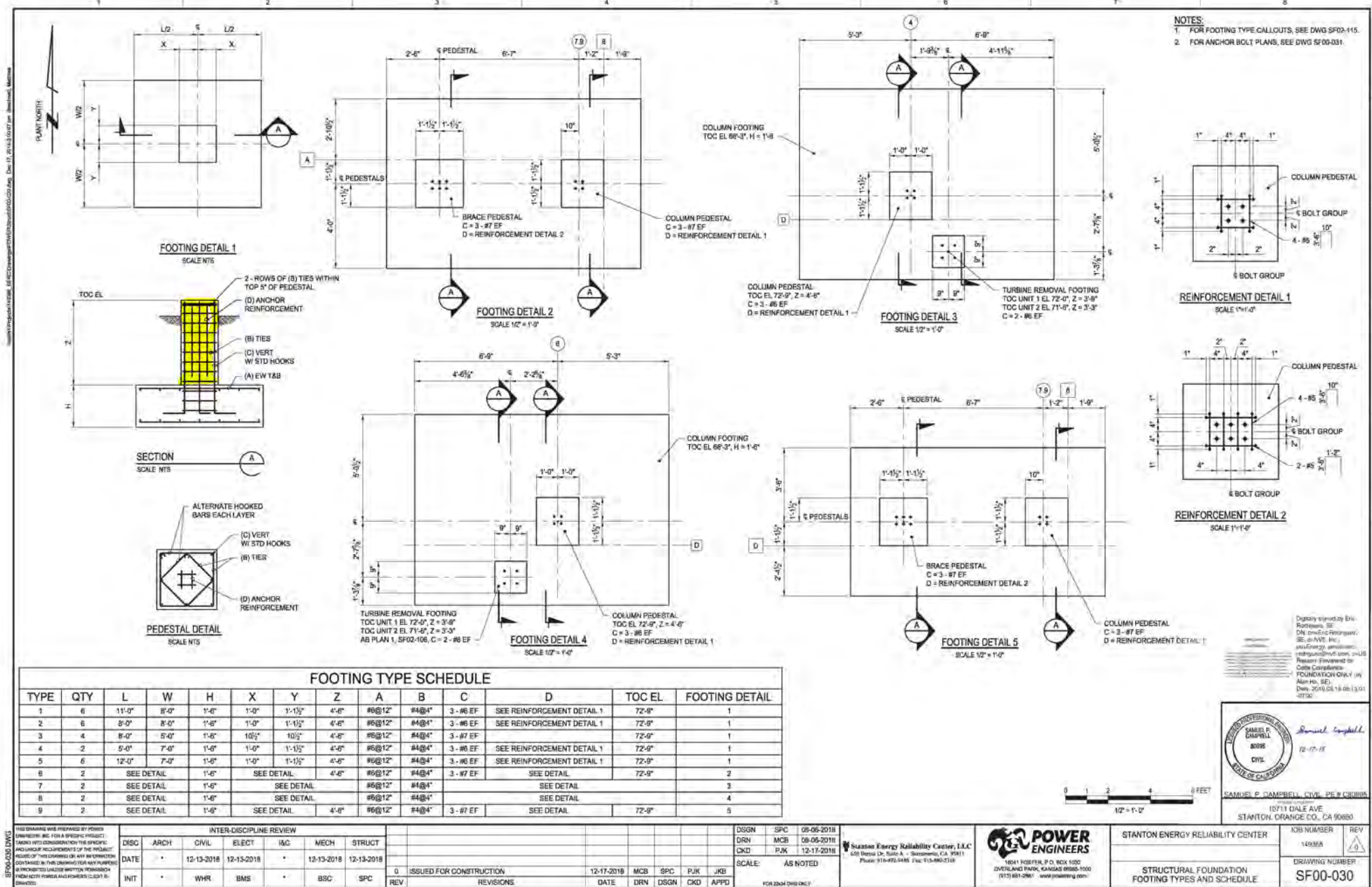
Per plans no exceptions taken

OFFICES NATIONWIDE

ISSUED FOR CONSTRUCTION - 20190516



SF02-115 (DWG)	THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT. IT IS THE PROPERTY OF POWER ENGINEERS, INC. AND 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&G	MECH	STRUCT			
	DATE	*	12-13-2018	12-13-2018	*	12-13-2018	12-13-2018	1	ISSUED FOR CONSTRUCTION	
								0	ISSUED FOR CONSTRUCTION	
	INIT		WHR	BMS	*	BSC	SPC	REV	REVISIONS	
								DATE	DRN	DSGN
								DATE	MCB	SPC
								DATE	DRN	DSGN
								DATE	MCB	SPC
							DATE	DRN	DSGN	
							DATE	MCB	SPC	
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							DATE	MCB	SPC	
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							DATE	MCB	SPC	
							DATE	DRN	DSGN	
							DATE	MCB	SPC	
							DATE	DRN	DSGN	
							DATE	MCB		



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 ADDITIONAL PAGES IF NEEDED):

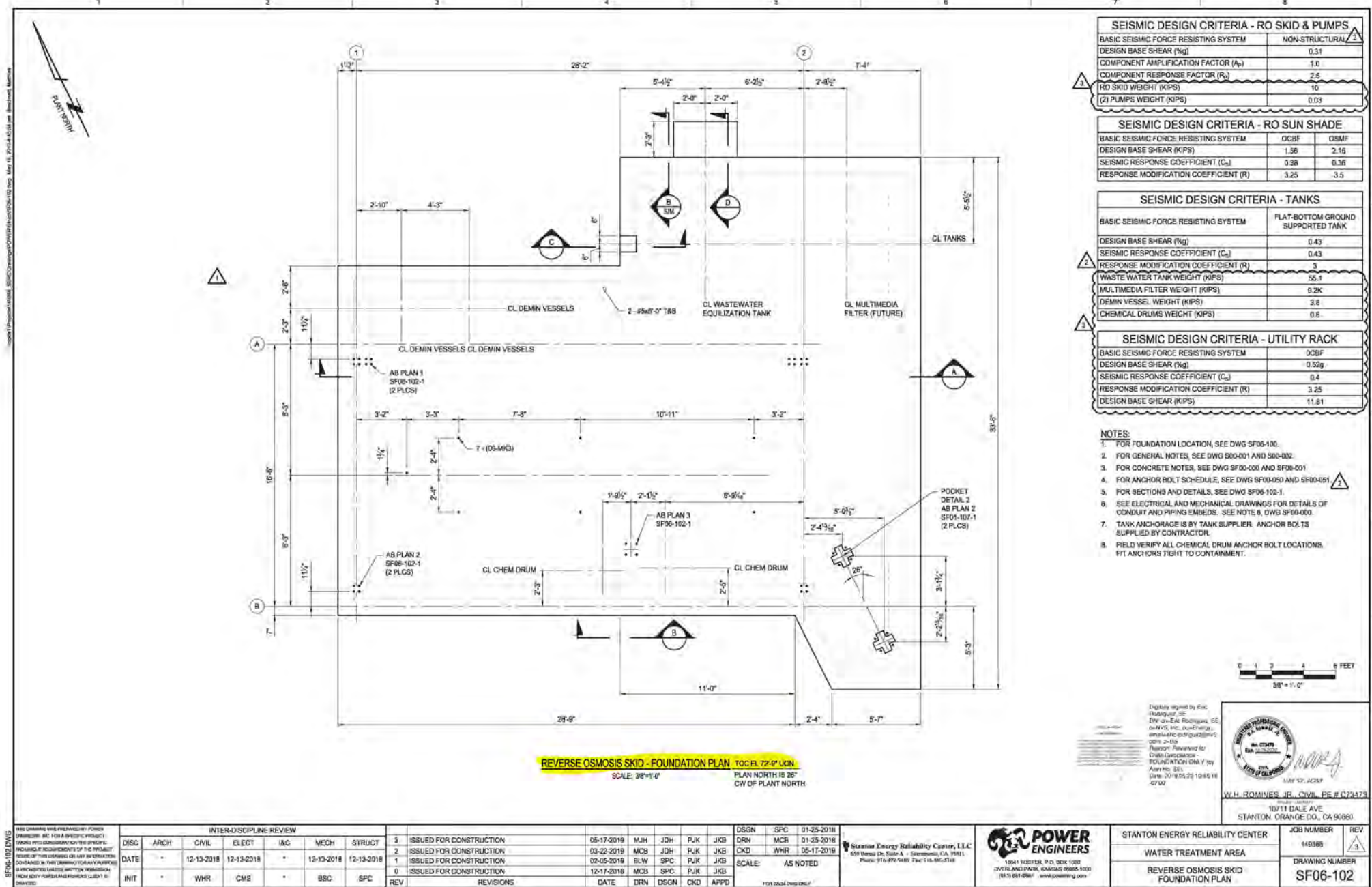
Reverse Osmosis Skid FND

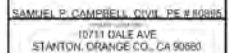
- * Form Work
- * Rebar
- * Cleanliness

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





STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 14000A	REV 0
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):

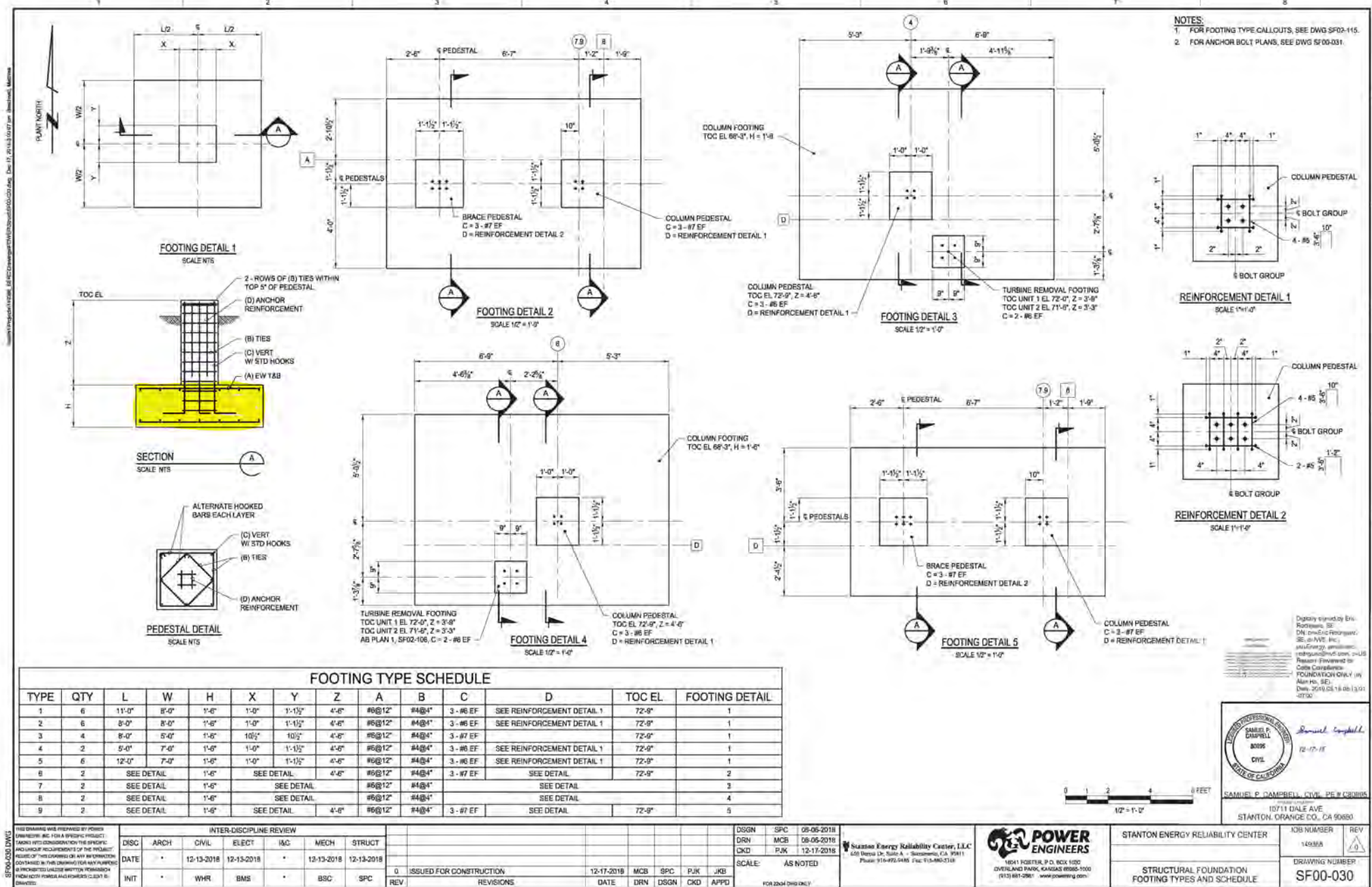
Power Block Wall Footing 5 & 6 FND

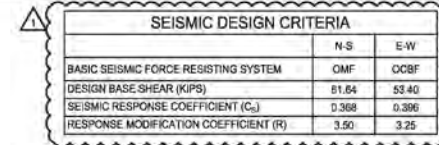
- * Form Work
- * Rebar
- * Cleanliness

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





- 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

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 (U.N.).
7. PROVIDE 2-MK30 ANCHOR BOLTS AT DOOR JAMBS.

QUALITY CENTER	JOB NUMBER	REV
	149365	
A	DRAWING NUMBER	
WALL	SF02-115	
AN		

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	BMS	*	BSC	SPC

1	ISSUED FOR CONSTRUCTION	05-09-2019	MJH	WHR	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2016	MCB	SPC	PJK	JKB
REV	REASON	DATE	DRN	DESN	CKD	ADD

DSGN	SPC	05-06-2018
DRN	MCB	06-06-2018
CKD	WHR	05-09-2018
SCALE:		AS NOTED



**POWER
ENGINEERING**
18541 FOSTER, P.O. BOX 1020
OVERLAND PARK, KANSAS 66185-50
(913) 681-2961 • www.powereng.com

STANTON ENERGY RELIABILITY CENTER
CTG-01 AREA
POWER BLOCK WALL FOOTING PLAN

JOB NUMBER 149368	REV. 
DRAWING NUMBER SF02-115	

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 ADDITIONAL 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 12:36:44 -0700

DATE: 5/31/2019

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE: Fin Fan Cooler Foundation

DATE / TIME: 20190617 0900 **INSPECTOR:** Mary Lee Knolle

☒ **APPROVED**

☐ **DISAPPROVED**

☐ **REINSPECTION REQUIRED**

☐ **AT RISK**

☐ **PHASE PASS**

SIGNATURE:

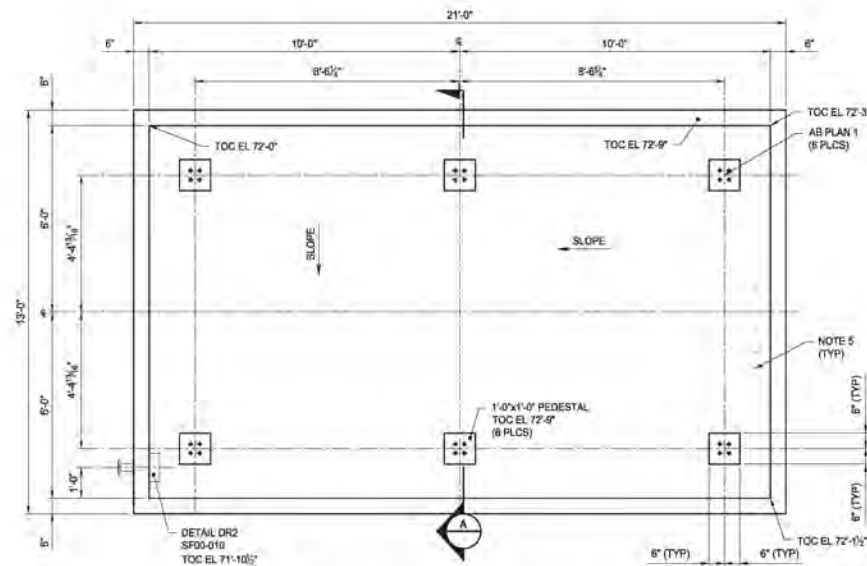
SEBC-16-AFC-01
-- INSPECTED --
The undersigned hereby certifies that the inspection was conducted on the date indicated and that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the California Building Code. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the California Building Code. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the California Building Code.

Digitally signed by Mary
Lee Knolle
Date: 2019.06.18
14:21:42 -07'00'

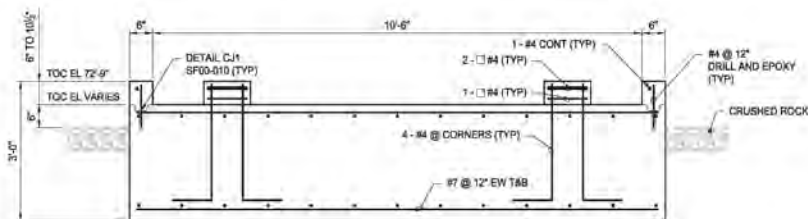
DATE: June 17, 2019

COMMENTS:

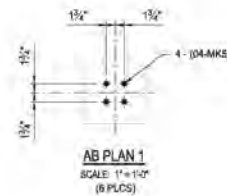
Inspected per plans SF04-103 and specs, no exceptions taken.



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



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



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

SEISMIC DESIGN CRITERIA	
BASIC SEISMIC FORCE RESISTING SYSTEM	OCBF
DESIGN BASE SHEAR (KIPS)	6.45 ¹
SEISMIC RESPONSE COEFFICIENT (C _s)	0.43
RESPONSE MODIFICATION FACTOR (R)	3.25

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.



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



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	01-23-2018
DRN	MCB	01-23-2018
CKD	WHR	03-08-2019

Stanton Energy Reliability Center, LLC
450 Vespa Dr, Suite A - Sacramento, CA 95811
Phone: 916-499-9480 Fax: 916-499-9510



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149368	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 undersigned hereby certifies that the inspection was conducted on the date indicated and that the work was inspected in accordance with the requirements of the California Building Code and the California Electrical Code. The undersigned is a duly Licensed Building Official in the State of California. No other person is authorized to sign this Certificate of Inspection. The undersigned is not responsible for the work of others. The undersigned is not responsible for the work of others.

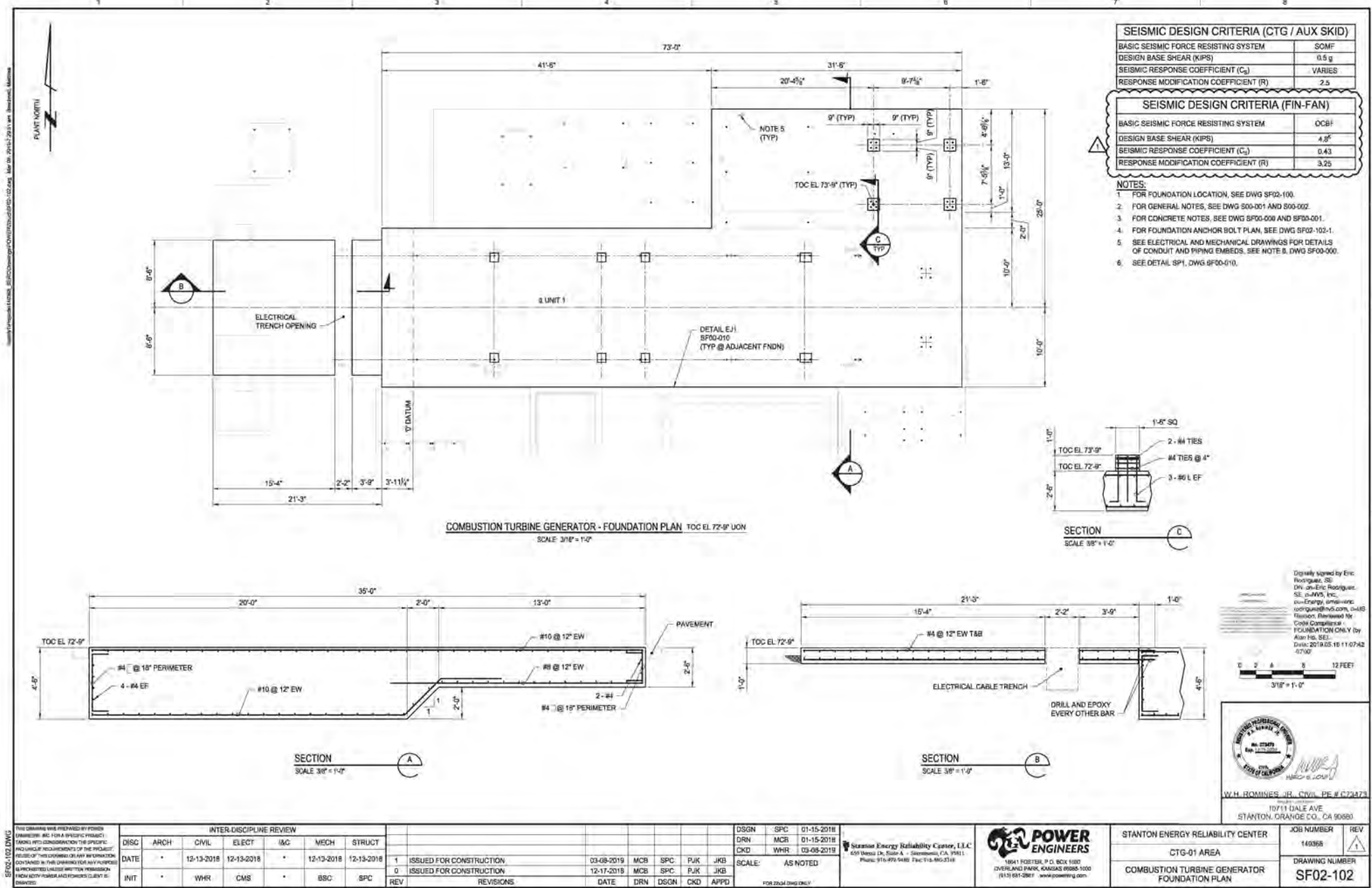
Digitally signed by Mary
Lee Knolle
Date: 2019.06.27
14:30:57 -07'00'

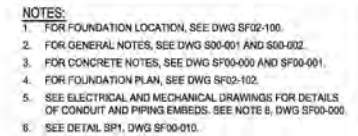
DATE: June 24, 2019

COMMENTS:

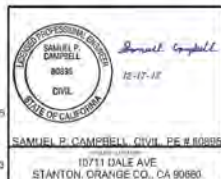
Per Plans SF02-102 , SF02-102-1, SF02-101, SF00-010
No exceptions taken

OFFICES NATIONWIDE





Digitally signed by Eric Rodriguez
DN: cn=Eric Rodriguez,
c=US, ou=Energy, email=eric.rodriguez@ebs.com, o=US
Report Reviewed for
COIN Compliance -
FOUNDATION ONLY (by
Alan Ho, 583)
Date: 2019.06.16 11:07:53
0700




INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	IKC	MECH	STRUCT
DATE	*	12-13-2018	12-13-2018	*	12-13-2018	12-13-2018
INIT	*	WHR	BMS	*	BSC	SPC

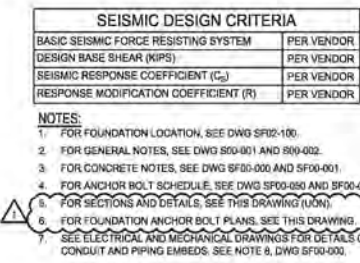
0	ISSUED FOR CONSTRUCTION	12-17-2019	MCB	SPC	PJK	JKB
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPR

DSGN	SPC	10-03-2018
DRN	BLW	10-03-2018
CKD	PJK	12-17-2018
SCALE:		AS NOTED

Station Energy Reliability Center, LLC
650 Oregon Dr., Suite A • Sacramento, CA 95811
Phone: 916-499-9488 Fax: 916-860-3348



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
CTG-01 AREA	149308	
COMBUSTION TURBINE GENERATOR FOUNDATION ANCHOR BOLT PLAN	DRAWING NUMBER	
	SF02-102-1	



65'-10"

4'-0"

TOC FL 72'-9"

4 #4 EF

#4 @ 18" EF

#9 @ 12" EW T&B

CRUSHED ROCK

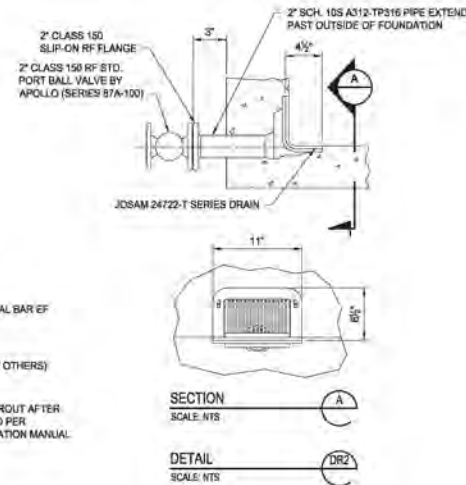
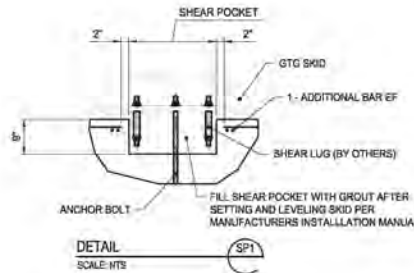
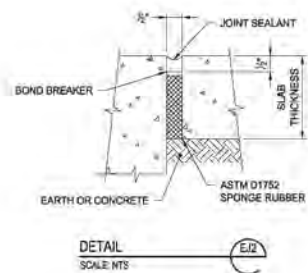
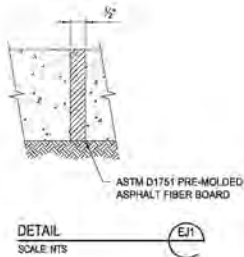
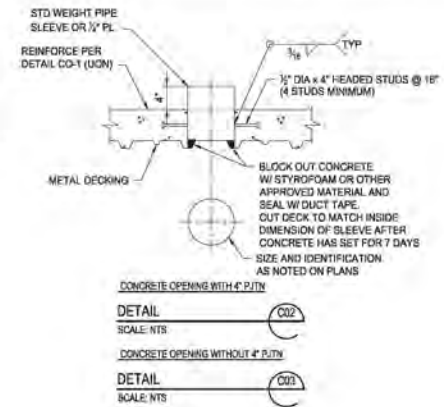
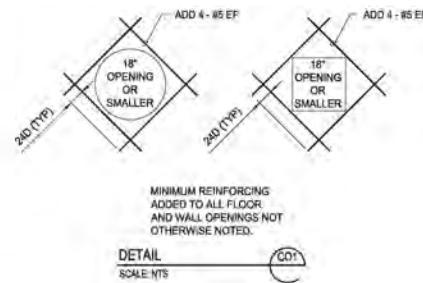
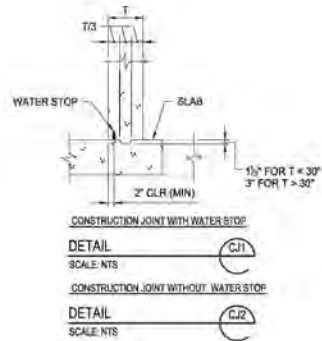
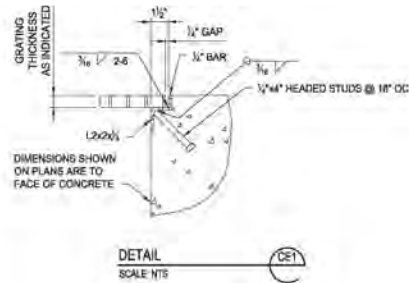
SECTION B-B

SCALE: 1/2" = 1'-0"

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez,
ou=SE, o=NVS, Inc.,
c=US, email=eric.
rodriguez@nvs.com, c=
Ratton; Revised for
Crime Compliance -
FOUNDATION ONLY
Date: 2019.06.16 11:00



STANTON ENERGY RELIABILITY CENTER		JOB NUMBER	REV
CTG-01 AREA		149368	1
ERU AND EXHAUST STACK FOUNDATION PLAN		DRAWING NUMBER	
		SF02-101	



SFD00-010.DWG

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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	12-13-2018	12-13-2018
INIT	WHR	CMS	BSC	SPC		

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

DSGN	SPC	12-01-2017
DRN	MCB	12-01-2017
CKD	PJK	12-17-2018
SCALE	AS NOTED	

Stanton Energy Reliability Center, LLC
450 West Dr. Suite A - Sacramento, CA 95811
Phone: 916-492-6485 Fax: 916-492-6103

POWER ENGINEERS
18541 ROBERTA, P.O. BOX 1000
OVERLAND PARK, KANSAS 66155-1000
(913) 681-2961 www.powereng.com

STANTON ENERGY RELIABILITY CENTER
STRUCTURAL FOUNDATION
STANDARD DETAILS

JOB NUMBER
14936A
DRAWING NUMBER
SF00-010

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

Professional Engineer
JAMES P. CAMPBELL
60915
CIVIL
STATE OF CALIFORNIA
12-17-18
JAMES P. CAMPBELL, CIVIL PE # C00005
18711 DALE AVE.
STANTON, ORANGE CO., CA 92680

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 ADDITIONAL 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:

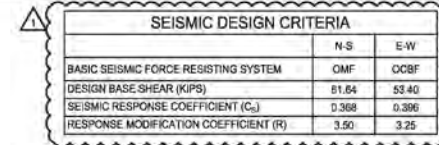
SERC_16-AFC-01
--- INSPECTED ---
The undersigned hereby certifies that the inspection was conducted on the date indicated on this form and that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the project contract. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the project contract. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the project contract.

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



- 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

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 2-MK30 ANCHOR BOLTS AT DOOR JAMBS.

QUALITY CENTER	JOB NUMBER	REV
	149365	
A	DRAWING NUMBER	
WALL	SF02-115	
IN		

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	BMS	*	BSC	SPC

1	ISSUED FOR CONSTRUCTION	05-09-2019	MJH	WHR	PJK	JKB
0	ISSUED FOR CONSTRUCTION	12-17-2016	MCB	SPC	PJK	JKB
REV	REASON	DATE	DRN	DESN	CKD	ADD

DSGN	SPC	05-05-2018
DRN	MCB	06-06-2018
CKD	WHR	05-09-2019
SCALE:		AS NOTED

POWER ENGINEERS
18541 FOSTER, P.O. BOX 1020
OVERLAND PARK, KANSAS 66085-1000
(913) 681-2861 • www.powereng.com

STANTON ENERGY RELIABILITY CENTER
CTG-01 AREA
POWER BLOCK WALL FOOTING PLAN

JOB NUMBER 149368	REV. 
DRAWING NUMBER SF02-115	





- Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NVS, Inc.,
c=US, email=eric.rodriguez@nvs.com, ou=Nation
Code Compliance
FOUNDATION ONLY (by
Alan Ho, SE)
Date: 2019.05.16 09:12:11
-0700


Samuel Campbell
 12-17-11
 SAMUEL P. CAMPBELL, CIVIL PE # 80895
 10711 DALE AVE
 STANTON, ORANGE CO. CA 92680

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
	149368	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

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:

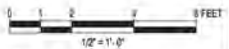
SERC_16-AFC-01
-- INSPECTED --
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Digitally signed by Mary
Lee Knolle
Date: 2019.06.27
14:42:17 -07'00'

DATE: June 24, 2019


COMMENTS:

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






W.H. ROMINES, JR., CIVIL PE #C73473
 10711 DALE AVE
 STANTON, ORANGE CO., CA 92680


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

STANTON ENERGY RELIABILITY CENTER, 15000 DALLAS STREET, DALLAS, TEXAS 75244-1000, TEL: 972-242-0000, FAX: 972-242-0001, WWW.STANTON-ENERGY.COM

STANTON ENERGY RELIABILITY CENTER, 15000 DALLAS STREET, DALLAS, TEXAS 75244-1000, TEL: 972-242-0000, FAX: 972-242-0001, WWW.STANTON-ENERGY.COM

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"	48	22"	6"			29"			1	YES	2"	7"	UTILITY RACK 1		
01-MK2	HB	1"	64	22"	6"			29"			1	YES	2"	7"	UTILITY RACK 2		
01-MK9		3/4"	8								1		0"	3"	CTG STAIR PLATFORM		HILTI HDL-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"	16"	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"				16"			1		0"	4"	480V AUXILIARY TRANSFORMER	SF02-113	
02-MK23	ADH	3/4"	8	6"				8"			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	6"				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	3/4"	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	3/4"	2	5"				7"			1		0"	2"	AMMONIA STORAGE GUARDRAIL	SS04-101	

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	DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	5	ISSUED FOR CONSTRUCTION	05-17-2019	MCB	JDH	PJK	JKB	DRN	MCB	12-01-2017						
	DATE	*	12-13-2018	12-13-2018	*	12-13-2018	12-13-2018	4	ISSUED FOR CONSTRUCTION	04-01-2019	MCB	JDH	PJK	JKB	CKD	WHR	05-17-2019						
	INIT	*	WHR	CMS	*	BSC	SPC	3	ISSUED FOR CONSTRUCTION	03-15-2019	MCB	SPC	PJK	JKB	SCALE:	AS NOTED							
	REV	REVISIONS										DATE	DRN	DSGN	CKD	APRD							

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 UNLESS NOTED.
- FIRST NUT FINGER TIGHT, SECOND NUT JAM TIGHT.
- WRAP TOP OF BOLT BELOW TOC W/ DUCT TAPE FOR BOND BREAK. BOND BREAK = 8 x DIA.
- FIELD LOCATE DOOR AND OPENING JAMB ANCHORS PER AGG-101, AGG-102, AGG-104, AND PRE-ENGINEERED BUILDING ASSEMBLY DRAWINGS. ANCHOR INTO SLAB ON GRADE.

LEGEND:

- * FIELD DETERMINE



W.H. ROMINES, JR., CIVIL PE #C20473

18711 DALE AVE
STANTON, ORANGE CO., CA 92680

INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	IAC	MECH
DATE	12-13-2018	12-13-2018	12-13-2018	12-13-2018	12-13-2018
INT	WHR	CMS	BSC	SPC	

REV	ISSUED FOR CONSTRUCTION		DATE	DRN	DSGN	CKD	APPD
	NO.	DESCRIPTION					
1	1	ISSUED FOR CONSTRUCTION	06-17-2019	MCB	JDH	PJK	JKB
2	2	ISSUED FOR CONSTRUCTION	06-17-2019	MCB	JDH	PJK	JKB
3	3	ISSUED FOR CONSTRUCTION	03-15-2019	MCB	SPC	PJK	JKB
4	4	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB
5	5	ISSUED FOR CONSTRUCTION					

STANTON ENERGY RELIABILITY CENTER, LLC 400 West Dr. Suite A - Sacramento, CA 95811 Phone: 916-499-9480 Fax: 916-499-9510
--



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 149365	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

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

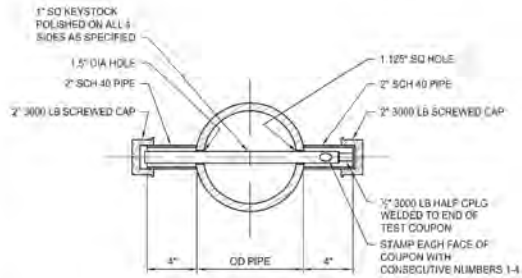
REQUESTOR SIGNATURE: Jose Pagan

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

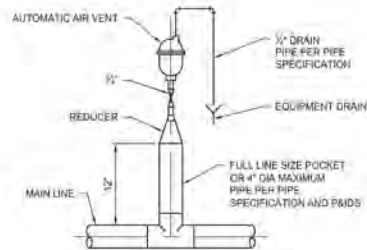
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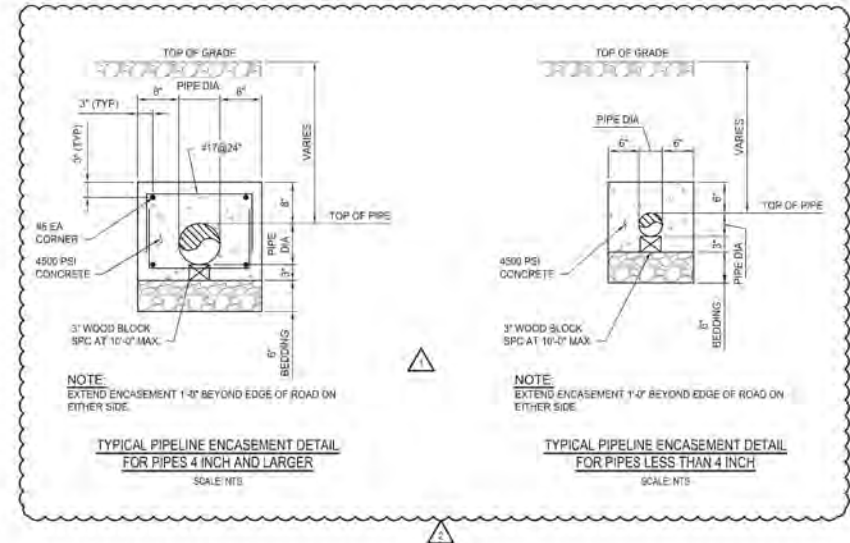


NOTE:
LENGTH OF KEY STOCK SHALL BE
OD OF PIPE PLUS 7.25"

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'



INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	IA/C	MECH	STRUCT
DATE	12-13-2018	12-13-2018	12-13-2018	12-13-2018	12-13-2018	12-13-2018
INT	WHR	CMS			BSC	SPC

REV	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

DSGN	BSC	02-09-2018
DRN	CCP	02-09-2018
CKD	CJS	02-07-2018
SCALE	NONE	

Stanton Energy Reliability Center, LLC
18711 Dale Ave, Stanton, CA 92680
Phone: 714-972-1111 Fax: 714-972-1111



STANTON ENERGY RELIABILITY CENTER

MECHANICAL PIPING
INSTALLATION DETAILS

JOB NUMBER	REV
149368	2
DRAWING NUMBER	MP00-072

End Report