

CHANGE ORDER(s)

AND /OR

LETTER(s) OF EXTENSION

**CONTRACT CHANGE ORDER NO. 004
DATED DECEMBER 4, 2020**

FILED WITH CONTRACT #35208

(KLASSIC ENGINEERING & CONSTRUCTION, INC)

December 04, 2020

Klassic Engineering & Construction, Inc.
250 S. Tustin Street
Orange, CA 92866
(714) 369-8389

R-7106
CONTRACT NO.: 35208
PROJECT NO.: 3002020003

UNILATERAL CONTRACT CHANGE ORDER NO. 04**ATTENTION:** Alexander Shirali**PROJECT:** ALAMITOS BEACH CONCESSION BUILDING PROJECT

Dear Alexander:

When executed by the City Engineer, you are hereby directed to make the herein described changes from the plans and specifications. The following change is hereby made a part of the Contract Documents enumerated in the Agreement between City and Contractor on the date referenced above and shall be performed under the same terms and conditions as required by the original Contract Documents. Except as modified herein, the original Contract Documents and all prior amendments shall remain in full force and effect and all of the terms of the Contract Documents are hereby incorporated in this Contract Change Order.

Contract Summary – Cost:

Original Contract Amount	\$5,681,000.00
Previous Contract Change Orders	\$587,717.87
Previous Contract Amount	\$6,268,717.87
This Contract Change Order	(\$20,986.60)
New Contract Amount	\$6,247,731.27

Contract Summary – Schedule:

Original Contract Completion Date	04/07/2020
Previous Time Extensions	92 Calendar Days
Previous Contract Completion Date	07/25/2020
This Time Extension	81 Calendar Days
New Contract Completion Date	10/13/2020

Description of Work to be done, estimates of quantities, Cost, and Time Extensions if any:

Item #	Description:	Cost / Working Days:
CCO 4.1	BACKCHARGE FOR LIGHT POLES: Costs to replace two (2) light poles in lieu of the Contractor mistakenly demolishing and disposing of two (2) light poles that were specified to be removed and delivered to City Lump Sum	(\$2,840.00) / 0 Calendar Days
CCO 4.2	BACKCHARGE FOR ENGINEERING: Engineering costs for plan revisions to accommodate Contractor's deviation from original plan Lump Sum	(\$8,050.00) / 0 Calendar Days
CCO 4.3	BACKCHARGE FOR INSEPTIONS: Charges for repeat structural observations, and deputy and special re-inspections due to incomplete Work and/or failed tests / noted deficiencies Lump Sum	(\$3,754.10) / 0 Calendar Days
CCO 4.4	BACKCHARGE FOR WELDING INSPECTION: Charges for continuous field welding for required correction to splice extension of steel columns in elevator shaft due to Contractor's deviation from plans Lump Sum	(\$5,530.00) / 0 Calendar Days
CCO 4.5	BACKCHARGE FOR ENGINEERING: Design costs to provide details to address / correct Contractor's deviation from plan resulting in an unsupported sill on the foundation stem wall at the northwest corner of the kitchen in Building A Lump Sum	(\$812.50) / 0 Calendar Days
CCO 4.6	TIME IMPACT ANALYSIS #3: Additional Contract Time to address delays to the critical path Lump Sum	\$0.00 / 81 Non-Compensable Calendar Days
	Net Bid Item Quantity Adjustment:	\$0.00
	New Extra Work/NTE Agreed Price	(\$20,986.60)



	Total This Contract Change Order	(\$20,986.60)
	This Time Extension	81 Calendar Days

The compensation (time and cost) set forth in this Unilateral Change Order comprises the City's total determination of fair and reasonable compensation and additional Contract Time due the Contractor, all Subcontractors and all suppliers, for the work or changes defined in this Unilateral Change Order, including all impact on any unchanged work. The City reserves its right to adjust the costs for the work or change identified herein, if deemed appropriate.

The Prices set forth herein above shall be considered full compensation for all obligations of the Contractor associated with this Contract Change Order, and the City will not be liable for any claim of the Contractor for delays or extra compensation resulting from performance of the requirements of this change order.

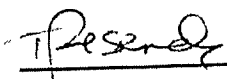
All terms and conditions of the contract, except those modified herein, shall remain in full force and effect.


Reviewed and Recommended By:

Approved By:


 _____ 12/4/2020
 Construction Manager (Date)


 _____ 12/18/2020
 Construction Services Officer (Date)


 _____ 12/10/20
 Project Manager (Date)


 _____ Jan 4, 2021
 Director of Public Works or Designee (Date)


 _____ 7/14/21
 Financial Management (Date)



**ALAMITOS BEACH
CONCESSION PROJECT**

**UNILATERAL CONTRACT
CHANGE ORDER 04**

BACKUP

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Cost Summary

PCO 26 - Demolished Light Poles									
Description	Unit Price	Units	Quantity	Cost	Previous Total Quantity Paid	Previously Paid	Current Pay App	Quantity Paid	Paid
Costs to replace two (2) light poles in lieu of the Contractor mistakenly demolishing and disposing of two (2) light poles that were specified to be removed and delivered to City.	-\$2,840.00	LS	1	-\$2,840.00		\$0.00			\$0.00
Totals				-\$2,840.00		\$0.00			\$0.00

PCO 41 - Fire Line Underground Alignment Revisions									
Description	Unit Price	Units	Quantity	Cost	Previous Total Quantity Paid	Previously Paid	Current Pay App	Quantity Paid	Paid
Engineering costs for plan revisions to accommodate Contractor's deviation from original plan.	-\$8,050.00	LS	1	-\$8,050.00		\$0.00			\$0.00
Totals				-\$8,050.00		\$0.00			\$0.00

PCO 46 - Repeat structural observation, re-inspection due to work not ready, incomplete or for failed tests									
Description	Unit Price	Units	Quantity	Cost	Previous Total Quantity Paid	Previously Paid	Current Pay App	Quantity Paid	Paid
Charges for repeat structural observations, deputy and special re-inspections due to incomplete Work and/or failed tests / noted deficiencies.	-\$3,754.10	LS	1	-\$3,754.10		\$0.00			\$0.00
Totals				-\$3,754.10		\$0.00			\$0.00

PCO 48 - Continuous welding inspection for splice extension of Beam B1005									
Description	Unit Price	Units	Quantity	Cost	Previous Total Quantity Paid	Previously Paid	Current Pay App	Quantity Paid	Paid
Charges for continuous field welding for required correction to splice extension of steel columns in elevator shaft due to Contractor's deviation from plans.	-\$5,530.00	LS	1	-\$5,530.00		\$0.00			\$0.00
Totals				-\$5,530.00		\$0.00			\$0.00

PCO 89 - Engineering Drawing for unsupported sill in kitchen									
Description	Unit Price	Units	Quantity	Cost	Previous Total Quantity Paid	Previously Paid	Current Pay App	Quantity Paid	Paid
Design costs to provide details to address / correct Contractor's deviation from plan resulting in an unsupported sill on the foundation stem wall at the northwest corner of the kitchen in Building A.	-\$812.50	LS	1	-\$812.50		\$0.00			\$0.00
Totals				-\$812.50		\$0.00			\$0.00

PCO 90 - Time Impact Analysis #3									
Description	Unit Price	Units	Quantity	Cost	Previous Total Quantity Paid	Previously Paid	Current Pay App	Quantity Paid	Paid
Additional Contract Time to address delays to the critical path. 81 Non-Compensable Calendar Days, to be added to the contract immediately upon execution of this Change Order.	\$0.00	LS	0	\$0.00		\$0.00			\$0.00
Totals				\$0.00		\$0.00			\$0.00

Grand Totals				-\$20,986.60		\$0.00			\$0.00
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PCO 26-01

CITY BACKCHARGE FOR LIGHT POLE

Dustin Blackwell

Subject: FW: Alamitos Beach Concession Building Project - Light Poles (Quantity: 2)

From: Tony Resendez <Tony.Resendez@longbeach.gov>

Sent: Monday, August 26, 2019 7:10 AM

To: Mark Verrengia <mverrengia@ardurra.com>

Cc: Dustin Blackwell <dblackwell@ardurra.com>; Eric Schlichter <eric.schlichter@psomas.com>; Kristen Bringle <Kristen.Bringle@longbeach.gov>

Subject: FW: Alamitos Beach Concession Building Project - Light Poles (Quantity: 2)

FYI – It's not much but it's something.

Tony Resendez

Capital Projects Coordinator, Public Works

P: (562) 570-6258

www.longbeach.gov/pw/

ADDRESS CHANGE: Long Beach City Hall has moved! Please note that the address for City Hall has changed from 333 W. Ocean Boulevard to 411 W. Ocean Boulevard, Long Beach, CA 90802.

From: Shannon Mockridge <srm@clpinc.com>

Sent: Thursday, June 27, 2019 4:21 PM

To: 'Salvador.Orellana@vanir.com' <Salvador.Orellana@vanir.com>

Cc: Tony Resendez <Tony.Resendez@longbeach.gov>; Kevin J. Bredenkamp <kjb@clpinc.com>

Subject: FW: Alamitos Beach Concession Building Project - Light Poles (Quantity: 2)

Salvador,

The cost for these two poles is \$2,840 (or \$1,420 ea.).

Thank you,

Shannon Mockridge | City Light & Power

2961 Redondo Avenue

Long Beach, CA 90806

O: 562.983.2000 | D: 562.216.2151



From: Kevin J. Bredenkamp

Sent: Wednesday, June 26, 2019 1:48 PM

To: Shannon Mockridge

Subject: Fwd: Alamitos Beach Concession Building Project - Light Poles (Quantity: 2)

Sent from my Verizon 4G LTE Smartphone

----- Forwarded message -----

From: "Orellana, Salvador" <Salvador.Orellana@vanir.com>

Date: Jun 25, 2019 2:14 PM

Subject: Alamitos Beach Concession Building Project - Light Poles (Quantity: 2)

To: "Kevin J. Bredenkamp" <kjb@clpinc.com>

Cc: Tony Resendez <Tony.Resendez@longbeach.gov>

Good afternoon Kevin,

Pease provide a cost proposal to furnish (2) light poles (QM 1868 & 1869). We will be back charging the contractor for demolishing the light poles.

If you have any questions please feel free to call me at (213) 328-9691.

Thanks,

Salvador Orellana, CCM

Project Manager

Project Management / Construction Management



VANIR Solutions for Success

Vanir Construction Management, Inc.

600 Wilshire Blvd, Suite 304 Los Angeles, CA 90017

C 213-328-9691 / P 213-627-7371 / F 213-683-9710 / salvador.orellana@vanir.com / www.vanir.com

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PCO 26-02

PLAN SHEET DETAILS



DEMOLITION NOTES

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SYMBOL LEGEND

[Symbol]	CONCRETE REMOVAL
[Symbol]	AC FMC REMOVAL (SEEN)
[Symbol]	DECOMPRESSED GRANITE REMOVAL
[Symbol]	BRICK PAVERS REMOVAL
[Symbol]	TRAWELED JOINTS REMOVAL
[Symbol]	EXISTING BUILDING STRUCTURE
[Symbol]	PROPOSED BUILDING OUTLINE

NOTE:

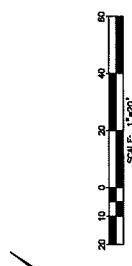
1. UTILITY AND IRRIGATION REMOVAL & DISPOSAL TO BE SEPARATE PLAN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND IRRIGATION SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND IRRIGATION SYSTEMS.
3. CONTRACTOR TO REMOVE EXISTING TRASH RECEPTACLES AND CONCRETE DEBRIS. CONTRACTOR SHALL PROVIDE AN ADEQUATE WHEN EXAMINATING OR PERFORMING DEMOLITION AROUND EXISTING PARKING LOT MEDIAN TREES THAT ARE TO BE PRESERVED IN PLACE.
4. UNLESS STATED OTHERWISE, ALL SALVAGED ITEMS SHALL BE RETURNED TO THE CITY OF ALAMITOS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND IRRIGATION SYSTEMS.
5. CONTRACTOR SHALL PROVIDE AN ADEQUATE WHEN EXAMINATING OR PERFORMING DEMOLITION AROUND EXISTING PARKING LOT MEDIAN TREES THAT ARE TO BE PRESERVED IN PLACE.

ALAMITOS BEACH CONCESSION BUILDING
 780 E. SHORELINE DRIVE, LONG BEACH, CA 90802

DATE: 06/17/19
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]



Michael Baker International
 10000 E. 15th Avenue
 Denver, CO 80231
 Tel: 303-751-6000



Grid coordinates: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 (horizontal axis)

Grid coordinates: L, K, J, I, H, G, F, E, D, C, B, A (vertical axis)

PCO 41-01

ENGINEERING FEE

RA-DA

Rania Alomar - Design and Architecture
7523 Norton Avenue, West Hollywood, CA 90046
T. 323 851-4040 / F. 810 821-0449 / www.ra-da.com

February 27, 2020

To: Tony Resendez

PROJECT PW8230-1910

PROJECT TITLE: ALAMITOS BEACH CONCESSION BUILDING

BPO #: BPCM15000018

PO #: DPCM16000422

Supplemental Services – SS12

Fire Line Design Plan Revision per RFI 147

DESCRIPTION OF SERVICES:

- MBI to update Fire Line Design Plan per scope of work in the attached exhibits.
- RA-DA to prepare Architectural cover sheet and site plan to accompany civil drawings.
- RA-DA will coordinate plan check corrections with Civil Engineer and compile package for resubmittal to the City.

NOTE that RA-DA will provide the set but will not be shepherding the package through the City departments to obtain sign off, and also RA-DA does not include here any review, coordination or incorporation of sprinkler drawings with this set.

MBI	ADDITIONAL SERVICE FEE AMOUNT:	\$5,650.00
RA-DA	ADDITIONAL SERVICE FEE AMOUNT:	\$2,400.00

TOTAL ADDITIONAL FEE: \$8,050.00

Sincerely,



Rania Alomar, AIA

Date: 02/27/2020



We Make a Difference

EXHIBIT "A" SCOPE OF WORK

DESCRIPTION OF WORK

This proposal is for a change in the scope of services for the Alamitos concession site improvement project for the City of Long Beach. This amendment addresses additional services for providing a fire service line design revision for the Alamitos concessions site, per construction RFI 147.

TASK 1: FIRE LINE DESIGN PLAN REVISION (ALAMITOS SITE):

Michael Baker will revise the approved Site Utility Plan (C8) and LBWD Fireline Service Plan to reflect the proposed fire line alignment and configuration as specified in construction RFI 147. Design revision will be in accordance with the requirements and criteria of the City of Long Beach and LBWD. Plans will be submitted to the City of Long Beach and LBWD respectively for review and approval.

In addition, Site Utility Plan will be revised to specify surface monuments at pipe elbows that lie within the Marina Green Park area. Monuments to be per City of Long Beach standard plans, modified to meet City of Long Beach and LBWD requirements.

Michael Baker personnel will perform a field visit to verify site conditions for the proposed alignment.

ASSUMPTIONS:

The following assumptions are being made to establish this scope & fee:

1. Trenching requirements as specified in the project's Geotechnical Report are applicable to the revised fire line alignment.
2. Fire line alignment and DCDA location as depicted in RFI 147 is acceptable to the City of Long Beach and LBWD.
3. Existing site conditions are such that the proposed fire line alignment will avoid improvement conflicts.

**Alamitos Concession Project –
Amendment Civil Design Services
For work performed under
Agreement No. 33917, City of Long Beach CA
February 19, 2020**

EXHIBIT "B" FEE

Below is the Fee associated with the project task as described under Exhibit "A" Scope of Work:

Description Fee

Task 1: SITE UTILITY PLAN REVISION (ALAMITOS SITE):

Field Visit:	\$ 370.00
Site Utility Plan Revision (Alamitos Site):	\$ 1,520.00
LBWD Fireline Plan Revision (Alamitos Site):	<u>\$ 1,260.00</u>
Design Subtotal:	\$ 3,150.00
Direct Cost:	<u>\$ 50.00</u>
Task 1 Total:	\$ 3,200.00



We Make a Difference

**AMENDMENT #6
EXHIBIT "A" SCOPE OF WORK**

DESCRIPTION OF WORK

This proposal is for a change in the scope of services for the Alamitos concession site improvement project for the City of Long Beach. This amendment addresses additional services for providing as-built utility changes for the Alamitos concessions site, per construction RFI 147 and contractor provided as-built information (Attached Image 1 & 2 and email). Amendment is for work in addition to work specified in Amendment #5.

TASK 1: BASIN LAYOUT REVISION (ALAMITOS SITE):

Michael Baker will develop a revised water quality basin layout that avoids conflict with the as-built fire and as-built sewer line location. Basin maintain a minimum capacity that matches the currently approved basin size. Revised layout will be depicted on an 8.5"x11" exhibit specifying approximate dimensions for review and approval by the construction management team. Once approved, applicable Civil plan sheets and LID Plan will be revised to reflect the new basin layout. Revised plans shall be electronically submitted to the City's outside planchecker for review and approval.

TASK 2: UTILITY PLAN AS-BUILT REVISION (ALAMITOS SITE):

Michael Baker will update the approved Site Utility Plan (C8) to reflect the as-built fire and as-built sewer line locations as provided by the contractor in the attached images and email dated 3/3/2020. Plans will be submitted to the City of Long Beach and LBWD for review and approval.

ASSUMPTIONS:

The following assumptions are being made to establish this scope & fee:

1. Trenching requirements as specified in the project's Geotechnical Report are applicable to the revised fire line alignment.
2. Fire line alignment and DCDA location as shown in Image 1 is acceptable to the City of Long Beach and LBWD.
3. Sewer line alignment & configuration as shown in Image 1 & 2 is acceptable to the City of Long Beach and LBWD.
4. Conflicts do not exist between as-built utilities and other improvements.
5. Utility plan processing through the City shall be performed by others.


**Alamitos Concession Project –
Amendment Civil Design Services
For work performed under
Agreement No. 33917, City of Long Beach CA
March 16, 2020**

EXHIBIT “B” FEE

Below is the Fee associated with the project task as described under Exhibit “A” Scope of Work:

<u>Description</u>	<u>Fee</u>
Task 1: BASIN LAYOUT REVISION (ALAMITOS SITE):	\$ 1,100.00
Task 2: UTILITY PLAN AS-BUILT REVISION (ALAMITOS SITE):	<u>\$ 1,350.00</u>
Design Subtotal:	\$ 2,450.00
Direct Cost:	<u>\$ 0.00</u>
Total:	\$ 2,450.00

Prepared By: _____
Jared Bernard, Michael Baker International

Reviewed By:  03/17/2020
Jeff McClure, Michael Baker International

PCO 41-02

RFI 147
FIRE SERVICE LINE 45° BENDS

KEC

RFI #147

Klassic Engineering and Construction Inc.
250 S Tustin Street
Orange, California 92866
Phone: (714) 369-8389

Project: 2019-1 - Alamitos Beach Concession Building
780 east Shoreline Drive
Long Beach, California 90802

Fire Service Line 45° Bends

TO:	RA-DA CA (RA-DA Architects) Dino D'Emillia (Ardurra) (Response Required) Dustin Blackwell (Ardurra) (Response Required)	FROM:	Danny Nakhoda (Klassic Engineering & Construction) 250 S Tustin Street Orange, California 92866
DATE INITIATED:	02/03/2020	STATUS:	Closed
LOCATION:	Underground Fire Line	DUE DATE:	02/13/2020
PROJECT STAGE:	Course of Construction	COST CODE:	
SUB JOB:		SCHEDULE IMPACT:	
COST IMPACT:		SPEC SECTION:	22 0523 - General Duty Valves for Plumbing Piping
DRAWING NUMBER:	C8	REFERENCE:	
LINKED DRAWINGS:	<u>C8</u>		

RECEIVED FROM: Keivan Shirali (Klassic Engineering & Construction Inc.)

COPIES TO:

Solmaz Alizadeh (Klassic Engineering & Construction Inc.), Dustin Blackwell (Ardurra), Dino D'Emillia (Ardurra), Jason Feagin (City of Long Beach), Abdul Khamosh (City of Long Beach-Dept. Public Works), Danny Nakhoda (Klassic Engineering & Construction Inc.), Tony Resendez (City of Long Beach), Isha Sebastian (Klassic Engineering & Construction Inc.), Alexander Shirali (Klassic Engineering & Construction Inc.), Keivan Shirali (Klassic Engineering & Construction Inc.)

Question from Danny Nakhoda (Klassic Engineering & Construction Inc) at 01:12 PM on 02/03/2020

This is the new proposed Fire Line to be placed. Per request from LBWD, Lisa Crowley, please find attached drawing for your review and approval of 90° bends at underground fire line. (90° bends are marked as RED.

Attachments:

[K - SHOP DRAWING - FIRE LINE RE ROUTING - R7106.jpg](#) [C8 -R7106.png](#) [C8 Utility Plan.pdf](#)

Official Response: Dino D'Emillia (Ardurra) responded on Wednesday, February 19th, 2020 at 10:05AM PST

Pursuant to discussion at the WPM on 2/18/2020, the City will have the design team consider the requested alignment revision and, if there are no fatal flaws identified, prepare a revised plan incorporating the fire line alignment revisions requested by the Contractor. The design costs to do so will be tracked as a disputed item and processed as a credit to the City unless the Contractor provides documentation that clearly illustrates that the approved plan alignment was not feasible.

The revised plan will need to be routed to Building/Fire and LBWD Plan check for approval, in order for the revised alignment to obtain inspection approval.

The Contractor is further advised that no additional cost will be considered for other utility conflicts (landscape included) caused by this change or other associated approvals (ie, fire sprinkler plans). Any effect on the communication line, gas line or other utility shall be the responsibility of the Contractor to cure. Also, any apparent costs savings (replacement of 6@45 degree bends with 2 @ 90 degree bends and appurtenant work) will also be processed as a credit to the City.

Attachments:

Official Response: Dino D'Emillia (Ardurra) responded on Tuesday, February 4th, 2020 at 2:50PM PST

Pursuant to LBWD's response and field meeting on 2/4/2020 where it was confirmed that the alignment per the approved plan does not impact any existing trees.

Contractor is requested to provide a revised plan markups showing all of the Contractor's proposed revisions to the fire line alignment and configuration, along with a justification for the need for the requested revisions.

Attachments:

Official Response: Dino D'Emillia (Ardurra) responded on Monday, February 3rd, 2020 at 3:14PM PST

See response from LBWD>

Attachments:

[LBWD_response.pdf](#)

RFI #147

KEC

BY _____

DATE _____

COPIES TO _____

PCO 46-01

COST BREAKDOWN



PCO 46

Repeat Structural Observations, Re-Inspection due to work not being ready,
Incomplete or Failed Tests (Credit)



Date	DESCRIPTION		QTY	UNIT PRICE	CREDIT
10/17/2019	John Labib & Associates	Mileage	46	\$ 0.67	\$ 30.82
10/17/2019	John Labib & Associates	Structural Observation	1	\$ 400.00	\$ 400.00
10/18/2019	John Labib & Associates	Mileage	46	\$ 0.67	\$ 30.82
10/18/2019	John Labib & Associates	Structural Observation	1	\$ 400.00	\$ 400.00
11/19/2019	Group Delta Consultants	Masonry Deputy Inspection	8	\$ 108.00	\$ 864.00
5/26/2020	Group Delta Consultants	Concrete Deputy Inspection	2	\$ 108.00	\$ 216.00
6/8/2020	John Labib & Associates	Mileage	46	\$ 0.67	\$ 30.82
6/8/2020	John Labib & Associates	Structural Observation	1	\$ 400.00	\$ 400.00
8/31/2020	John Labib & Associates	Mileage	46	\$ 0.67	\$ 30.82
8/31/2020	John Labib & Associates	Structural Observation	1	\$ 400.00	\$ 400.00
10/1/2020	Group Delta Consultants	Deputy Inspection	4	\$ 130.00	\$ 520.00
11/2/2020	John Labib & Associates	Mileage	46	\$ 0.67	\$ 30.82
11/2/2020	John Labib & Associates	Structural Observation	1	\$ 400.00	\$ 400.00
					\$ -
				Subtotal	\$ 3,754.10

PCO 46-02

**INVOICE FOR REPEAT
STRUCTURAL OBSERVATIONS**

RA-DA

Rania Alomar - Design and Architecture
7523 Norton Avenue, West Hollywood, CA 90046
T. 323 851-4040 / F. 810 821-0449 / www.ra-da.com

November 18, 2020

To: Tony Resendez

PROJECT PW8230-1910

PROJECT TITLE: ALAMITOS BEACH CONCESSION BUILDING

BPO #: BPCM15000018

PO #: DPCM16000422

Structural Observations

Reimbursable Expenses

10-17-2019	JFA	Mileage	46.00	\$0.67	\$30.68
10-17-2019	JFA	Structural Observation	1.00	\$400.00	\$400.00
10-18-2019	JFA	Mileage	46.00	\$0.67	\$30.68
10-18-2019	JFA	Structural Observation	1.00	\$400.00	\$400.00
06-08-2020	JFA	Mileage	46.00	\$0.67	\$30.68
06-08-2020	JFA	Structural Observation	1.00	\$400.00	\$400.00
08-31-2020	JFA	Mileage	46.00	\$0.67	\$30.68
08-31-2020	JFA	Structural Observation	1.00	\$400.00	\$400.00
11-02-2020	JFA	Mileage	46.00	\$0.67	\$30.68
11-02-2020	JFA	Structural Observation	1.00	\$400.00	\$400.00
Total Expenses:					\$2153.40

Sincerely,



Rania Alomar, AIA

Date: 11/18/2020

PCO 46-03

REPORTS FOR REPEAT STRUCTURAL OBSERVATIONS



City of Long Beach
Department of Development Services
 333 West Ocean Blvd., 4th Floor
 Long Beach, CA 90802
 Phone: (562) 570-5237 Fax: (562) 570-6753
 Website: www.lbds.info

Structural Observation Report

STRUCTURAL OBSERVATION is the visual observation of the structural system by a registered design professional for general conformance to the approved construction documents at significant construction stages and at completion of the structural system. Structural observation does not include or waive the responsibility for the inspection required by LBMC Section 18.40.110, CBC Section 1704.6 or other sections of the LBMC or CBC.

This report includes all construction work through 17 day of Oct, Report No.: 2 Page No.: 1 of 1
 20_____.

Project Address: 780 E. Shoreline Dr.	Structural Observer of Record (SOR): Youhanna Labib	Professional Lic./Reg. No.: S4549	Phone No. of SOR: 213.239.9700
Building Permit No.:	Structural Observer (SO), if not by SOR: JLA	Professional Lic./Reg. No.: S4549	Phone No. of SO: 213.239.9700

PLEASE INDICATE OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS (check applicable box)					
FOUNDATIONS	WALLS	FRAMES	DIAPHRAGMS (Floor/Roof)	IF PORTION OF BLDG WAS OBSERVED, INDICATE LOCATION	DATE
<input type="checkbox"/> Footing, Stem Wall	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel Moment Frame	<input type="checkbox"/> Concrete		
<input checked="" type="checkbox"/> Mat Foundation, Prestressed Conc. Slab	<input type="checkbox"/> Masonry	<input type="checkbox"/> Steel Braced Frame	<input type="checkbox"/> Steel Deck	Bldg. B	
<input type="checkbox"/> Caisson, Pile, Grade Beam	<input type="checkbox"/> Wood Shear Wall Panel	<input type="checkbox"/> Concrete Moment Frame	<input type="checkbox"/> Wood		
<input type="checkbox"/> Foundation Pad, Anchor	<input type="checkbox"/> Other:	<input type="checkbox"/> Masonry Wall Frame	<input type="checkbox"/> Other:		
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:		

ITEMS CHECKED ABOVE ARE APPROVED AND WITHOUT DEFICIENCIES.

FINAL STRUCTURAL OBSERVATION FOR THE PROJECT IS 100% COMPLETE WITHOUT ANY DEFICIENCIES.

OBSERVED DEFICIENCIES AND COMMENTS:

- Top bars of mat foundation placed too low. For adequate concrete cover adjust bars to have 1 1/2" clear cover from top of mat.
- Add trim bars at opening for sand pit per detail on SSK 12

ADDITIONAL DEFICIENCIES CONTINUED ON ATTACHED PAGES.

I declare that the following statements are true to the best of my knowledge:

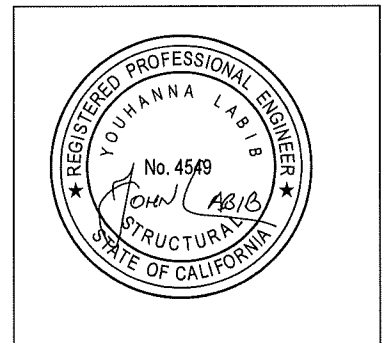
1. I am the Registered Design Professional retained by the Owner to be in responsible charge of the structural observation in accordance with the requirements of the City of Long Beach;
2. I, or another Registered Design Professional whom I have designated above and is under my responsible charge, has performed the required site visits at each significant construction stage to verify that the structure is in general conformance with the approved construction documents;
3. I understand that all deficiencies which I have documented must be corrected and a new structural observation report must be issued clearing these deficiencies; and
4. I understand that final acceptance of the structural systems by the Building and Safety Bureau cannot occur without the correction of all observed deficiencies.

John Labib

10.17.19

SIGNATURE OF STRUCTURAL OBSERVER OF RECORD

DATE



STAMP OF STRUCTURAL OBSERVER OF RECORD



City of Long Beach
Department of Development Services
 333 West Ocean Blvd., 4th Floor
 Long Beach, CA 90802
 Phone: (562) 570-5237 Fax: (562) 570-6753
 Website: www.lbds.info

JLA Job # 16241

Structural Observation Report

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This report includes all construction work through 18th day of October, Report No.: 3 Page No.: 1 of 1
 2019.

Project Address: 780 E. Shoreline Drive	Structural Observer of Record (SOR): Youhanna Labib, S.E.	Professional Lic./Reg. No.: S4549	Phone No. of SOR: 213.239.9700
Building Permit No.:	Structural Observer (SO), if not by SOR: Jordan Crugnale, P.E.	Professional Lic./Reg. No.: C88852	Phone No. of SO: 213.239.9700

PLEASE INDICATE OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS (check applicable box)					
FOUNDATIONS	WALLS	FRAMES	DIAPHRAGMS (Floor/Roof)	IF PORTION OF BLDG WAS OBSERVED, INDICATE LOCATION	DATE
<input type="checkbox"/> Footing, Stem Wall	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel Moment Frame	<input type="checkbox"/> Concrete		
<input checked="" type="checkbox"/> Mat Foundation, Prestressed Conc. Slab	<input type="checkbox"/> Masonry	<input type="checkbox"/> Steel Braced Frame	<input type="checkbox"/> Steel Deck	Bldg. B	
<input type="checkbox"/> Caisson, Pile, Grade Beam	<input type="checkbox"/> Wood Shear Wall Panel	<input type="checkbox"/> Concrete Moment Frame	<input type="checkbox"/> Wood		
<input type="checkbox"/> Foundation Pad, Anchor	<input type="checkbox"/> Other:	<input type="checkbox"/> Masonry Wall Frame	<input type="checkbox"/> Other:		
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:		

ITEMS CHECKED ABOVE ARE APPROVED AND WITHOUT DEFICIENCIES.

FINAL STRUCTURAL OBSERVATION FOR THE PROJECT IS 100% COMPLETE WITHOUT ANY DEFICIENCIES.

OBSERVED DEFICIENCIES AND COMMENTS:

ADDITIONAL DEFICIENCIES CONTINUED ON ATTACHED PAGES.

I declare that the following statements are true to the best of my knowledge:

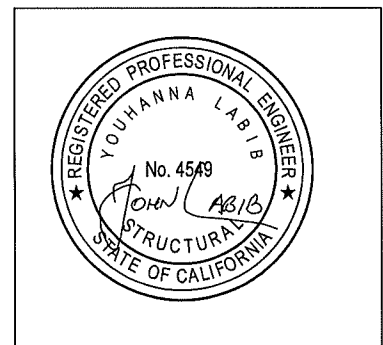
1. I am the Registered Design Professional retained by the Owner to be in responsible charge of the structural observation in accordance with the requirements of the City of Long Beach;
2. I, or another Registered Design Professional whom I have designated above and is under my responsible charge, has performed the required site visits at each significant construction stage to verify that the structure is in general conformance with the approved construction documents;
3. I understand that all deficiencies which I have documented must be corrected and a new structural observation report must be issued clearing these deficiencies; and
4. I understand that final acceptance of the structural systems by the Building and Safety Bureau cannot occur without the correction of all observed deficiencies.

John Labib

SIGNATURE OF STRUCTURAL OBSERVER OF RECORD

10-18-2019

DATE



STAMP OF STRUCTURAL OBSERVER OF RECORD



City of Long Beach
Department of Development Services
 333 West Ocean Blvd., 4th Floor
 Long Beach, CA 90802
 Phone: (562) 570-5237 Fax: (562) 570-6753
 Website: www.lbds.info

JLA Job # 16241

Structural Observation Report

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This report includes all construction work through 8th day of June, Report No.: _____ Page No.: 1 of 1
 2020.

Project Address: 780 E. Shoreline Drive	Structural Observer of Record (SOR): Youhanna Labib, S.E.	Professional Lic./Reg. No.: S4549	Phone No. of SOR: 213.239.9700
Building Permit No.:	Structural Observer (SO), if not by SOR: Jordan Crugnale, P.E.	Professional Lic./Reg. No.: C88852	Phone No. of SO: 213.239.9700

PLEASE INDICATE OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS (check applicable box)					
FOUNDATIONS	WALLS	FRAMES	DIAPHRAGMS (Floor/Roof)	IF PORTION OF BLDG WAS OBSERVED, INDICATE LOCATION	DATE
<input checked="" type="checkbox"/> Footing, Stem Wall	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel Moment Frame	<input type="checkbox"/> Concrete	SSK 21: Playground "Scramble wall" footings	06-08-20
<input type="checkbox"/> Mat Foundation, Prestressed Conc. Slab	<input type="checkbox"/> Masonry	<input type="checkbox"/> Steel Braced Frame	<input type="checkbox"/> Steel Deck		
<input type="checkbox"/> Caisson, Pile, Grade Beam	<input type="checkbox"/> Wood Shear Wall Panel	<input type="checkbox"/> Concrete Moment Frame	<input type="checkbox"/> Wood		
<input type="checkbox"/> Foundation Pad, Anchor	<input type="checkbox"/> Other:	<input type="checkbox"/> Masonry Wall Frame	<input type="checkbox"/> Other:		
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:		

ITEMS CHECKED ABOVE ARE APPROVED AND WITHOUT DEFICIENCIES.

FINAL STRUCTURAL OBSERVATION FOR THE PROJECT IS 100% COMPLETE WITHOUT ANY DEFICIENCIES.

OBSERVED DEFICIENCIES AND COMMENTS:

Rear radius footing/thickened edge at top of mound does not meet minimum embedment below adjacent grade

ADDITIONAL DEFICIENCIES CONTINUED ON ATTACHED PAGES.

I declare that the following statements are true to the best of my knowledge:

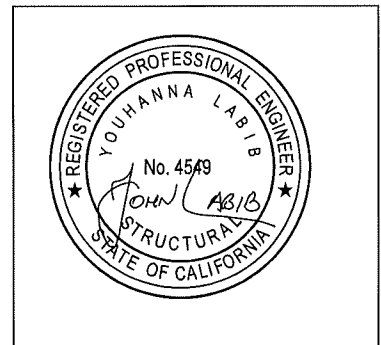
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3. I understand that all deficiencies which I have documented must be corrected and a new structural observation report must be issued clearing these deficiencies; and
4. I understand that final acceptance of the structural systems by the Building and Safety Bureau cannot occur without the correction of all observed deficiencies.

John Labib

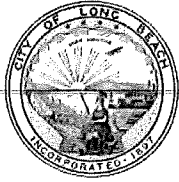
SIGNATURE OF STRUCTURAL OBSERVER OF RECORD

06-08-2020

DATE



STAMP OF STRUCTURAL OBSERVER OF RECORD



City of Long Beach
Department of Development Services
 333 West Ocean Blvd., 4th Floor
 Long Beach, CA 90802
 Phone: (562) 570-5237 Fax: (562) 570-6753
 Website: www.lbds.info

JLA Job # 16241

Structural Observation Report

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This report includes all construction work through 31st day of August, Report No.: _____ Page No.: 1 of 1
 2020.

Project Address: 780 E. Shoreline Drive	Structural Observer of Record (SOR): Youhanna Labib, S.E.	Professional Lic./Reg. No.: S4549	Phone No. of SOR: 213.239.9700
Building Permit No.:	Structural Observer (SO), if not by SOR: Jordan Crugnale, P.E.	Professional Lic./Reg. No.: C88852	Phone No. of SO: 213.239.9700

PLEASE INDICATE OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS (check applicable box)					
FOUNDATIONS	WALLS	FRAMES	DIAPHRAGMS (Floor/Roof)	IF PORTION OF BLDG WAS OBSERVED, INDICATE LOCATION	DATE
<input checked="" type="checkbox"/> Footing, Stem Wall	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel Moment Frame	<input type="checkbox"/> Concrete	5 -Lightpole footings locations per Detail 11/S0.11 Sheet S2.00 Building A (NorthWest) Concrete Site Wall Footing/ Stem per Detail 3/S3.02	08-31-20
<input type="checkbox"/> Mat Foundation, Prestressed Conc. Slab	<input type="checkbox"/> Masonry	<input type="checkbox"/> Steel Braced Frame	<input type="checkbox"/> Steel Deck		
<input checked="" type="checkbox"/> Caisson, Pile, Grade Beam	<input type="checkbox"/> Wood Shear Wall Panel	<input type="checkbox"/> Concrete Moment Frame	<input type="checkbox"/> Wood		08-31-20
<input type="checkbox"/> Foundation Pad, Anchor	<input type="checkbox"/> Other:	<input type="checkbox"/> Masonry Wall Frame	<input type="checkbox"/> Other:		
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:		

ITEMS CHECKED ABOVE ARE APPROVED AND WITHOUT DEFICIENCIES.

FINAL STRUCTURAL OBSERVATION FOR THE PROJECT IS 100% COMPLETE WITHOUT ANY DEFICIENCIES.

OBSERVED DEFICIENCIES AND COMMENTS:

Comments:

1. Lightpole footings are not cast against native soil per detail.
2. Obtain soils engineer's approval for using lateral soil bearing pressure with backfilled soil against light pole footing shaft

ADDITIONAL DEFICIENCIES CONTINUED ON ATTACHED PAGES.

I declare that the following statements are true to the best of my knowledge:

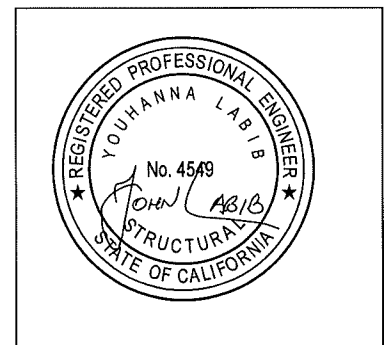
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3. I understand that all deficiencies which I have documented must be corrected and a new structural observation report must be issued clearing these deficiencies; and
4. I understand that final acceptance of the structural systems by the Building and Safety Bureau cannot occur without the correction of all observed deficiencies.

John Labib

SIGNATURE OF STRUCTURAL OBSERVER OF RECORD

08-31-2020

DATE



STAMP OF STRUCTURAL OBSERVER OF RECORD



City of Long Beach
Department of Development Services
 333 West Ocean Blvd., 4th Floor
 Long Beach, CA 90802
 Phone: (562) 570-5237 Fax: (562) 570-6753
 Website: www.lbds.info

Structural Observation Report

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This report includes all construction work through 2nd day of November, 2020. Report No.: _____ Page No.: 1 of 1

Project Address: 780 E. Shoreline Drive	Structural Observer of Record (SOR): Youhanna Labib, S.E.	Professional Lic./Reg. No.: S4549	Phone No. of SOR: 213.239.9700
Building Permit No.:	Structural Observer (SO), if not by SOR: Jordan Crugnale, P.E.	Professional Lic./Reg. No.: C88852	Phone No. of SO: 213.239.9700

PLEASE INDICATE OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS (check applicable box)					
FOUNDATIONS	WALLS	FRAMES	DIAPHRAGMS (Floor/Roof)	IF PORTION OF BLDG WAS OBSERVED, INDICATE LOCATION	DATE
<input type="checkbox"/> Footing, Stem Wall	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel Moment Frame	<input type="checkbox"/> Concrete	Building A exterior Slab on Grade reinforcement (East & West of Building)	11-02-20
<input type="checkbox"/> Mat Foundation, Prestressed Conc. Slab	<input type="checkbox"/> Masonry	<input type="checkbox"/> Steel Braced Frame	<input type="checkbox"/> Steel Deck		
<input type="checkbox"/> Caisson, Pile, Grade Beam	<input type="checkbox"/> Wood Shear Wall Panel	<input type="checkbox"/> Concrete Moment Frame	<input type="checkbox"/> Wood		
<input type="checkbox"/> Foundation Pad, Anchor	<input type="checkbox"/> Other:	<input type="checkbox"/> Masonry Wall Frame	<input type="checkbox"/> Other:		
<input checked="" type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:		

ITEMS CHECKED ABOVE ARE APPROVED AND WITHOUT DEFICIENCIES.

FINAL STRUCTURAL OBSERVATION FOR THE PROJECT IS 100% COMPLETE WITHOUT ANY DEFICIENCIES.

OBSERVED DEFICIENCIES AND COMMENTS:

1. Provide thickened slab edge at slab edges per details 1/S3.01 & 4/S3.01
2. Install all dowels to adjacent foundations
3. Provide reinforcement around plumbing penetrations in slab
4. Provide reinforcement/formwork for concrete stair at North East slab
5. Provide typical reinforcement at West SOG

ADDITIONAL DEFICIENCIES CONTINUED ON ATTACHED PAGES.

I declare that the following statements are true to the best of my knowledge:

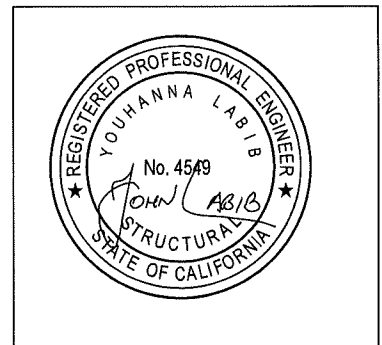
1. I am the Registered Design Professional retained by the Owner to be in responsible charge of the structural observation in accordance with the requirements of the City of Long Beach;
2. I, or another Registered Design Professional whom I have designated above and is under my responsible charge, has performed the required site visits at each significant construction stage to verify that the structure is in general conformance with the approved construction documents;
3. I understand that all deficiencies which I have documented must be corrected and a new structural observation report must be issued clearing these deficiencies; and
4. I understand that final acceptance of the structural systems by the Building and Safety Bureau cannot occur without the correction of all observed deficiencies.

John Labib

SIGNATURE OF STRUCTURAL OBSERVER OF RECORD

11-02-2020

DATE

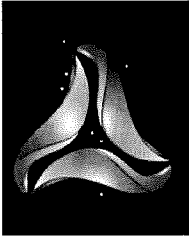


STAMP OF STRUCTURAL OBSERVER OF RECORD

PCO 46-04

INVOICES FOR REPEAT DEPUTY INSPECTIONS

Invoice



Tony Resendez
 City of Long Beach
 Department of Public Works
 Project Management Division
 411 W. Ocean Blvd.
 5th Floor
 Long Beach, CA 90802

May 14, 2020
 Invoice No: 37806

Project Manager Nicholas Turner
 Project MT3142-3 Alamitos Beach Concession / PW8230-1940

Project PO# 21906420 / Project# PW3070-5840 / 3002020003

Main Direct PO# DPPW18002608 / Munis # 3173000012

Professional Services from March 28, 2020 through April 24, 2020

Phase 01 Special Inspection

Professional Services

	Hours	Rate	Amount
Field Technician/Inspector			
Degener, Troy	6.00	145.00	870.00
Magalogo, Robert	6.00	145.00	870.00
Palma, Benito	3.00	145.00	435.00
Field Technician/Inspector- Non Employee			
Zuidema, John	110.00	108.00	11,880.00
Field Technician/Inspector- Non Employee			
Diaz, Sergio	8.00	145.00	1,160.00
Roldan, Stewart	12.00	145.00	1,740.00
Zuidema, John	4.00	145.00	580.00
Project Support / Dispatch			
Galvan, Erin	3.50	80.00	280.00
Totals	152.50		17,815.00
Total Professional Services			17,815.00

Phase Total \$17,815.00

Budget	Current	Prior	To-Date
Total Billings	17,815.00	50,445.75	68,260.75
Budget Total			108,854.00
Remaining Budget			40,593.25

Total Project Invoice Amount \$17,815.00


Outstanding Invoices

Number	Date	Balance
37462	3/13/2020	7,297.50

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	37806
	37527	4/9/2020	8,152.50	
	Total		15,450.00	

We appreciate the opportunity to provide our services. Please contact us if you have any questions.

Remit Payment to: Group Delta Consultants, Inc. 32 Mauchly Suite B Irvine, CA 92618

Authorized By: 

Nicholas Turner

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	37806
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Billing Backup

Wednesday, May 13, 2020

Group Delta Consultants, Inc.

Invoice 37806 Dated 5/14/2020

3:41:20 PM

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940
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Phase	01	Special Inspection
-------	----	--------------------

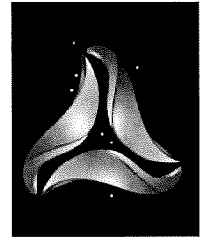
Professional Services

		Hours	Rate	Amount
Field Technician/Inspector				
Degener, Troy	4/2/2020	6.00	145.00	870.00
Performed Deputy Inspection of Full Penetration and Fillet Welds on site. Also performed observation of non-shrink grout placement and made 1 set of 3 two inch grout cubes for testing.				
Magalogo, Robert	4/3/2020	6.00	145.00	870.00
Compaction Test				
Palma, Benito	4/2/2020	1.00	145.00	145.00
Delivered One Brass Mold.				
Palma, Benito	4/3/2020	1.00	145.00	145.00
Picked up 3 Cubes.				
Palma, Benito	4/20/2020	1.00	145.00	145.00
Picked up 4 Cylinders.				
Field Technician/Inspector- Non Employee				
Zuidema, John	11/1/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/4/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/5/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/6/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/7/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/8/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/14/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/15/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/18/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/19/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/20/2019	2.00	108.00	216.00
Masonry Inspection				
Zuidema, John	11/21/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/22/2019	8.00	108.00	864.00
Masonry Inspection				
Zuidema, John	11/25/2019	8.00	108.00	864.00
Masonry Inspection				

32 Mauchly, Suite B, Irvine, CA 92618 TEL: (949) 450-2100
 Anaheim — Irvine — Ontario — San Diego — Torrance
 www.GroupDelta.com

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	37806
Zuidema, John	11/26/2019	4.00	108.00	432.00
Masonry Inspection				
Field Technician/Inspector- Non Employee				
Díaz, Sergio	4/2/2020	8.00	145.00	1,160.00
UT Inspection				
Roldan, Stewart	3/6/2020	4.00	145.00	580.00
Concrete Anchors				
Roldan, Stewart	4/17/2020	8.00	145.00	1,160.00
Concrete				
Zuidema, John	4/15/2020	4.00	145.00	580.00
Rebar				
Project Support / Dispatch				
Galvan, Erin	3/30/2020	.50	80.00	40.00
Data Entry & Distribution of Lab Results				
Galvan, Erin	4/1/2020	1.00	80.00	80.00
Dispatch/Project Support-Welding-UT-Concrete				
Galvan, Erin	4/2/2020	.50	80.00	40.00
Dispatch/Project Support-Soils				
Galvan, Erin	4/14/2020	.50	80.00	40.00
Dispatch/Project Support				
Galvan, Erin	4/16/2020	.50	80.00	40.00
Dispatch/Project Support				
Galvan, Erin	4/24/2020	.50	80.00	40.00
Data Entry & Distribution of Lab Results				
Totals		152.50		17,815.00
Total Professional Services				17,815.00
Phase Total				\$17,815.00
Project Total				\$17,815.00
Total this Report				\$17,815.00

Invoice



Tony Resendez
 City of Long Beach
 Department of Public Works
 Project Management Division
 411 W. Ocean Blvd.
 5th Floor
 Long Beach, CA 90802

July 13, 2020
 Invoice No: 38139

Project Manager Nicholas Turner
 Project MT3142-3 Alamitos Beach Concession / PW8230-1940

Project PO# 21906420 / Project# PW3070-5840 / 3002020003

Main Direct PO# DPPW18002608 / Munis # 3173000012

Professional Services through June 26, 2020

Phase 01 Special Inspection

Professional Services

	Hours	Rate	Amount	
Laboratory Manager				
Trasoras, Edward	.75	140.00	105.00	
Special/Deputy Inspector				
Goodwin, Michael	18.00	130.00	2,340.00	
Totten, David	4.00	130.00	520.00	
Special/Deputy Inspector-Non Employee				
Chavez, Jorge	6.00	130.00	780.00	
Roldan, Stewart	4.00	130.00	520.00	
ACI/Soils/HMA Technician				
Magalogo, Robert	8.00	120.00	960.00	
Palma, Benito	3.50	120.00	420.00	
Project Support / Dispatch				
Galvan, Erin	6.75	80.00	540.00	
Totals	51.00		6,185.00	
Total Professional Services				6,185.00

Laboratory

Compression Test Concrete Cylinders	9.0 tests @ 35.00		315.00	
Total Laboratory			315.00	315.00

Phase Total \$6,500.00

Budget

	Current	Prior	To-Date	
Total Billings	6,500.00	71,635.75	78,135.75	
Budget Total			108,854.00	
Remaining Budget			30,718.25	
				Total Project Invoice Amount \$6,500.00

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38139
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Outstanding Invoices

Number	Date	Balance
37929	6/11/2020	3,375.00
Total		3,375.00

We appreciate the opportunity to provide our services. Please contact us if you have any questions.

Remit Payment to: Group Delta Consultants, Inc. 32 Mauchly Suite B Irvine, CA 92618

Authorized By: _____



Nicholas Turner

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38139
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Billing Backup

Thursday, July 23, 2020

Group Delta Consultants, Inc.

Invoice 38139 Dated 7/13/2020

3:57:16 PM

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940
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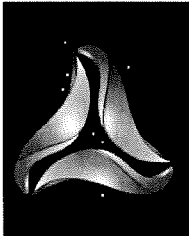
Phase	01	Special Inspection
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Professional Services

			Hours	Rate	Amount
Laboratory Manager					
Trasoras, Edward	6/11/2020		.25	140.00	35.00
Read and signed 2 lab reports					
Trasoras, Edward	6/23/2020		.25	140.00	35.00
Read and signed 1 lab report					
Trasoras, Edward	6/24/2020		.25	140.00	35.00
Read and signed 1 lab report					
Special/Deputy Inspector					
Goodwin, Michael	6/9/2020		2.00	130.00	260.00
Rebar Inspection					
Goodwin, Michael	6/11/2020		2.00	130.00	260.00
Rebar Inspection					
Goodwin, Michael	6/19/2020		4.00	130.00	520.00
Rebar Insp. and Concrete Testing					
Goodwin, Michael	6/23/2020		2.00	130.00	260.00
Rebar Inspection					
Goodwin, Michael	6/25/2020		4.00	130.00	520.00
Rebar Inspection					
Goodwin, Michael	6/26/2020		4.00	130.00	520.00
Concrete Sampling					
Totten, David	6/12/2020		4.00	130.00	520.00
Concrete placement / sampling					
Special/Deputy Inspector-Non Employee					
Chavez, Jorge	5/26/2020		2.00	130.00	260.00
Cancellation - Show Up					
Chavez, Jorge	5/27/2020		4.00	130.00	520.00
Reinforced Steel Inspection					
Roldan, Stewart	5/14/2020		4.00	130.00	520.00
Reinforced Steel Inspection					
ACI/Soils/HMA Technician					
Magalogo, Robert	6/8/2020		4.00	120.00	480.00
solis					
Magalogo, Robert	6/10/2020		4.00	120.00	480.00
Soils					
Palma, Benito	6/2/2020		1.50	120.00	180.00
Picked up Cylinders.					
Palma, Benito	6/15/2020		1.00	120.00	120.00
Picked up 4 Concrete Cylinders.					
Palma, Benito	6/22/2020		1.00	120.00	120.00
Picked up 4 Cylinders.					

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38139	
Project Support / Dispatch					
Galvan, Erin		6/3/2020	.50	80.00	40.00
	Data Entry & Distribution of Lab Results				
Galvan, Erin		6/5/2020	.50	80.00	40.00
	Data Entry & Distribution of Lab Results				
Galvan, Erin		6/8/2020	.75	80.00	60.00
	Dispatch/Project Support-Same day Request Soils-Rebar Check (Tuesday)				
Galvan, Erin		6/9/2020	.25	80.00	20.00
	Dispatch/Project Support				
Galvan, Erin		6/11/2020	.50	80.00	40.00
	Dispatch/Project Support- Same Day Request				
Galvan, Erin		6/12/2020	.50	80.00	40.00
	Dispatch/Project Support- Same Day Request Concrete				
Galvan, Erin		6/17/2020	.50	80.00	40.00
	Dispatch/Project Support				
Galvan, Erin		6/18/2020	.50	80.00	40.00
	Dispatch/Project Support				
Galvan, Erin		6/19/2020	.50	80.00	40.00
	Data Entry & Distribution of Lab Results				
Galvan, Erin		6/22/2020	.25	80.00	20.00
	Dispatch/Project Support				
Galvan, Erin		6/24/2020	.25	80.00	20.00
	Dispatch/Project Support				
Galvan, Erin		6/24/2020	.50	80.00	40.00
	Data Entry & Distribution of Lab Results				
Galvan, Erin		6/25/2020	.25	80.00	20.00
	Dispatch/Project Support				
Galvan, Erin		6/26/2020	1.00	80.00	80.00
	Data Entry & Distribution of Lab Results				
	Totals		51.00		6,185.00
	Total Professional Services				6,185.00
Laboratory					
	Compression Test Concrete Cylinders		9.0 tests @ 35.00		315.00
	Total Laboratory				315.00
			Phase Total		\$6,500.00
			Project Total		\$6,500.00
			Total this Report		\$6,500.00

Invoice



Tony Resendez
 City of Long Beach
 Department of Public Works
 Project Management Division
 411 W. Ocean Blvd.
 5th Floor
 Long Beach, CA 90802

November 11, 2020
 Invoice No: 38639

Project Manager Nicholas Turner
 Project MT3142-3 Alamitos Beach Concession / PW8230-1940

Project PO# 21906420 / Project# PW3070-5840 / 3002020003

Main Direct PO# DPPW18002608 / Munis # 3173000012

Professional Services from September 26, 2020 through October 30, 2020

Phase 01 Special Inspection

Professional Services

	Hours	Rate	Amount	
Special/Deputy Inspector				
Goodwin, Michael	4.00	130.00	520.00	
ACI/Soils/HMA Technician				
Magalogo, Robert	8.00	120.00	960.00	
Palma, Francisco	2.50	120.00	300.00	
Project Support / Dispatch				
Galvan, Erin	3.50	80.00	280.00	
Totals	18.00		2,060.00	
Total Professional Services				2,060.00

Laboratory

"Max Density - 6"" (ASTM D1557)"	1.0 test @ 225.00	225.00	
Compression Test Concrete Cylinders	3.0 tests @ 35.00	105.00	
Sand Equivalent	1.0 test @ 115.00	115.00	
Total Laboratory		445.00	445.00

Phase Total \$2,505.00

Budget

	Current	Prior	To-Date
Total Billings	2,505.00	92,920.75	95,425.75
Budget Total			108,854.00
Remaining Budget			13,428.25

Total Project Invoice Amount \$2,505.00

Outstanding Invoices

Number	Date	Balance
38520	10/9/2020	2,475.00
Total		2,475.00

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38639
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We appreciate the opportunity to provide our services. Please contact us if you have any questions.

Remit Payment to: Group Delta Consultants, Inc. 32 Mauchly Suite B Irvine, CA 92618

Authorized By:  _____

Nicholas Turner

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38639
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Billing Backup

Wednesday, November 11, 2020

Group Delta Consultants, Inc. Invoice 38639 Dated 11/11/2020 8:36:28 PM

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940
Phase	01	Special Inspection

Professional Services

		Hours	Rate	Amount	
Special/Deputy Inspector					
Goodwin, Michael	10/1/2020	4.00	130.00	520.00	
Inspection and Testing					
ACI/Soils/HMA Technician					
Magalogo, Robert	10/12/2020	4.00	120.00	480.00	
Soils					
Magalogo, Robert	10/22/2020	4.00	120.00	480.00	
soils					
Palma, Francisco	10/13/2020	1.50	120.00	180.00	
Pick up CMB/ Concrete soil sample.					
Palma, Francisco	10/22/2020	1.00	120.00	120.00	
Pick up 1 set of 4 clys. 4x8.					
Project Support / Dispatch					
Galvan, Erin	10/1/2020	.25	80.00	20.00	
Dispatch/Project Support					
Galvan, Erin	10/9/2020	.50	80.00	40.00	
Dispatch/Project Support					
Galvan, Erin	10/12/2020	.50	80.00	40.00	
Data Entry & Distribution of Lab Results					
Galvan, Erin	10/12/2020	.50	80.00	40.00	
Dispatch/ Project Support					
Galvan, Erin	10/20/2020	.50	80.00	40.00	
Dispatch/Project Support					
Galvan, Erin	10/21/2020	.25	80.00	20.00	
Dispatch/Project Support					
Galvan, Erin	10/28/2020	.50	80.00	40.00	
Data Entry & Distribution of Lab Results					
Galvan, Erin	10/30/2020	.50	80.00	40.00	
Dispatch/Project Support					
Totals		18.00		2,060.00	
Total Professional Services					2,060.00
Laboratory					
"Max Density - 6"" (ASTM D1557)"		1.0 test @	225.00	225.00	
Compression Test Concrete Cylinders		3.0 tests @	35.00	105.00	
Sand Equivalent		1.0 test @	115.00	115.00	
Total Laboratory				445.00	445.00
				Phase Total	\$2,505.00
				Project Total	\$2,505.00
				Total this Report	\$2,505.00

PCO 46-05

REPORTS FOR REPEAT DEPUTY INSPECTIONS



**REGISTERED SPECIAL DEPUTY
INSPECTION REPORT**

Group Delta Consultants
1320 South Simpson Circle Anaheim, CA 92806
Tel:(714)660-7500 Fax: (714)660-7550

Client: City of Long Beach Permit #: BNEW223679
 Atten: _____ Jurisdiction/City: City of Long Beach
 Address: _____ Lab Facility: _____
Long Beach Lab Job #: MT3142-3

Project Name: Alamitos Beach Concession Building Project Client Project No.: _____ Date: 11-19-19
 Project Address: 780 E. Shoreline Drive
 General Contractor: Klassic Engineering and Construction Contact/Phone: Office 714-369-8389
 Structural Architect Jordan Crugnale Contact/Phone: _____

Type of Inspection Shotcrete Post Tension Welding Field NDT Sampling
 Concrete Masonry Anchors Hi-Tension Bolts Batch Plant Other _____
 Rebar Fireproofing Conc Sample/H2O Control Shop Fab Other _____

Plan Sections Reviewed: _____ Building Insp Name: Chris Nichols

- 1) Performed visual inspection on masonry placement
 a) Observed placement of 8" precision and burnished CMU, start 2nd lift, running and stack bond
 b) All cells were clean and epoxy coated reinforcement secured against displacement.
 c) All work appears to comply with approved plans and specifications.
 d) Cast 1 set of 3 Type "S" mortar samples for testing
 e) Work ongoing

REINFORCING STEEL PLACEMENT

- 1) Performed periodic Visual inspection of reinforcing steel placement at the locations noted below.
 a) elevator pit bottom reinforcement per detail 4 & 9/S0.010, 6/S3.01
 b) Unless noted otherwise, bar sizes, types, grades, locations, alignment, laps, ties, and clearance.
 c) Per details on approved plans and in accordance with ACI and building code requirements.
 d) Work Incomplete and does not need the code requirements.

NOTE: The hooks for the top and bottom mat only measure 4 1/2", Plans call for 12db, or 7 1/2"
 ACI 318 Table 25.3, calls for 12db

Material Sampling WAS WAS NOT N/A **The Work Inspected** MET DID NOT MEET
 Performed in accordance with Plans & Specs approved documents The requirements of the Plans & Specs approved documents

Deputy Inspector (Sign) License: D965 Type: Mas, DIA, Con

Deputy Inspector (Print) John Zuidema Date: 11-19-19

Hours: _____ Sat _____ Sun. _____ Mon. 8 Tues. _____ Wed. _____ Thurs. _____ Fri.

Time Start 7:00 am Lunch Taken _____ to 10:30 Time Stop 3:30 pm

Client Representative:
 Print: Dustin Blackwell

Verified By: (signature) _____
 Print: _____

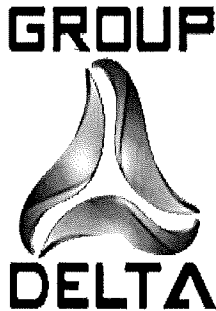
Dustin Blackwell

From: Erin Galvan <ering@groupdelta.com> on behalf of Group Delta Dispatch <dispatch@groupdelta.com>
Sent: Thursday, May 28, 2020 5:35 PM
To: Dustin Blackwell; Group Delta Dispatch
Cc: Dino D'Emilia
Subject: RE: 100 R2 - Concrete Sample Test

Hi, Dustin.

Yes, there will be a 2 hour show up no work charge per the union agreement.

Thank you,
Erin Galvan



Dispatch Services
Group Delta
1320 South Simpson Circle
Anaheim, CA 92806

Mobile Phone: (310) 925-9263
Office: (714) 660-7500
Fax: (714) 660-7550
Visit us on the web at <http://www.GroupDelta.com>



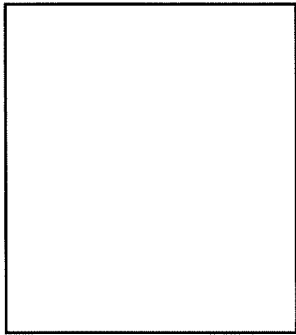
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From: Dustin Blackwell <dblackwell@ardurra.com>
Sent: Wednesday, May 27, 2020 8:34 AM
To: Group Delta Dispatch <dispatch@groupdelta.com>
Cc: Dino D'Emilia <ddemilia@ardurra.com>
Subject: RE: 100 R2 - Concrete Sample Test

Good morning,

Thank you for re-scheduling on such short notice.
I wanted to confirm if Group Delta would be charging the City for the inspector showing up to the site yesterday morning.



Dustin Blackwell
Project Controls Officer

dblackwell@ardurra.com

O: 310.359.1203

M: 424.531.8554

1960 E. Grand Ave, Suite 300, El Segundo, CA
90245

www.ardurra.com



From: Erin Galvan <ering@groupdelta.com> **On Behalf Of** Group Delta Dispatch

Sent: Tuesday, May 26, 2020 5:45 PM

To: Dustin Blackwell <dblackwell@ardurra.com>; Group Delta Dispatch <dispatch@groupdelta.com>

Cc: Dino D'Emilia <ddemilia@ardurra.com>; Jason Feagin (jason.feagin@longbeach.gov) <jason.feagin@longbeach.gov>;

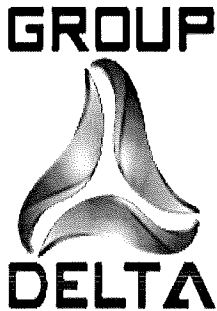
Tony Resendez <Tony.Resendez@longbeach.gov>

Subject: RE: 100 R2 - Concrete Sample Test

Hi, Dustin.

Your request has been rescheduled for 5/27/20.
If you need any further assistance please let us know.

Thank you,
Erin Galvan



Dispatch Services
Group Delta
1320 South Simpson Circle
Anaheim, CA 92806

Mobile Phone: (310) 925-9263
Office: (714) 660-7500
Fax: (714) 660-7550
Visit us on the web at <http://www.GroupDelta.com>



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From: Dustin Blackwell <dblackwell@ardurra.com>

Sent: Tuesday, May 26, 2020 8:48 AM

To: Group Delta Dispatch <dispatch@groupdelta.com>

Cc: Dino D'Emilia <ddemilia@ardurra.com>; Jason Feagin (jason.feagin@longbeach.gov) <jason.feagin@longbeach.gov>;

Tony Resendez <Tony.Resendez@longbeach.gov>

Subject: FW: 100 R2 - Concrete Sample Test

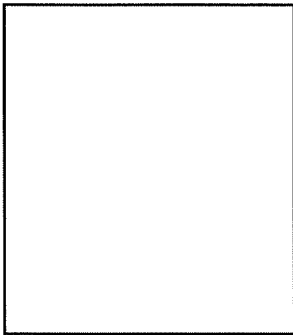
Mimecast Attachment Protection has deemed this file to be safe, but always exercise caution when opening files.

Good morning,

It is my understanding that the Deputy that was scheduled for today was turn away from the site and told that the concrete has now been scheduled for tomorrow, May 27, 2020 at 7AM. Please see the attached, revised deputy inspection request.

I apologize for the confusion, this was the first I was made aware of this.

Can the inspector be re-scheduled for tomorrow?



Dustin Blackwell
Project Controls Officer

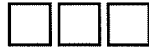
dblackwell@ardurra.com

O: 310.359.1203

M: 424.531.8554

1960 E. Grand Ave, Suite 300, El Segundo, CA
90245

www.ardurra.com



From: Danny Nakhoda <danny@kecigroup.com>

Sent: Tuesday, May 26, 2020 8:25 AM

To: Dustin Blackwell <dblackwell@ardurra.com>; Dino D'Emilia <ddemilia@ardurra.com>; Jason Feagin <jason.feagin@longbeach.gov>

Cc: Information Email <info@kecigroup.com>

Subject: 100 R2 - Concrete Sample Test

Dustin,

Please find the revised Deputy Inspection request for Concrete Sample Test on attached.

Thank you,

Danny Nakhoda

Klassic Engineering & Construcion Inc.

Cell: (714) 697-5576

250 S. Tustin str.

Orange, CA 92866



Daily Field Report

Project Name: Alamitos Beach Concession
 Project No.: MT3142-3
 Project Location: _____
 Client: City of Long Beach
 Contractor: _____
 Group Delta PM: Nick Turner

Date: 10/1/20, Thu
 Weather: 82°F
 Start Time: 8:00 am
 Lunch Time: NA
 End Time: 12:00 pm
 Total Hours: 4.00

TYPE OF WORK PERFORMED

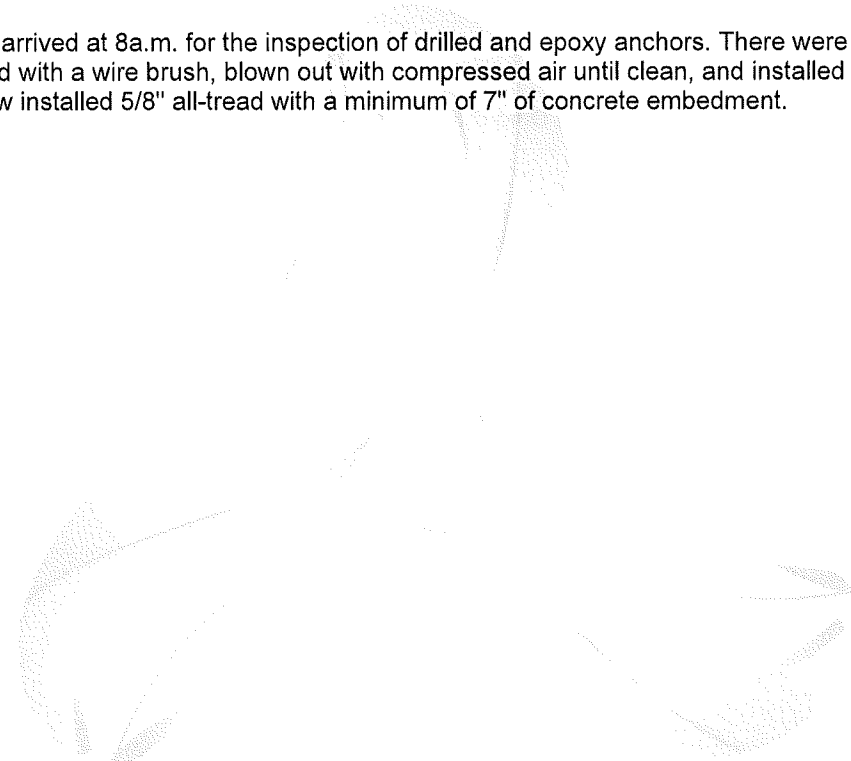
Drilled and Epoxyed Anchors

EQUIPMENT USED BY CONTRACTOR(S)

DESCRIPTION OF WORK PERFORMED

Location of Work: At the Concession Building off Shoreline Dr.

Work Performed: I arrived at 8a.m. for the inspection of drilled and epoxy anchors. There were 4 locations, each location was cleaned with a wire brush, blown out with compressed air until clean, and installed with Simpson XP 2 part epoxy. The crew installed 5/8" all-tread with a minimum of 7" of concrete embedment.



Accepted By:	Submitted By:
Signature: _____	Signature: <u>Michael J. Goodwin</u>
Name: <u>Dustin Blackwell</u>	Name: <u>Michael Goodwin</u>
Title: <u>Project Control</u>	Certification: _____
Representing (Company): <u>Adurra</u>	ICC: 8321753 COLB: BDEP248767
	Group Delta Consultants, Inc.

PCO 48-01

COST BREAKDOWN



PCO 48

Continuous Welding Inspection for Spice Extension of Beam B1005 (Credit)

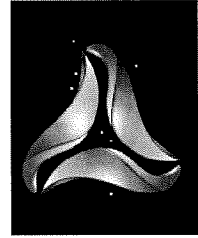


Date	DESCRIPTION	QTY	UNIT PRICE	CREDIT
Tuesday, March 24, 2020	Continuous field welding	6	\$ 145.00	\$ 870.00
Monday, August 3, 2020	Continuous field welding	8	\$ 120.00	\$ 960.00
Tuesday, August 4, 2020	Minimum charge for show-up; equipment failure	2	\$ 120.00	\$ 240.00
Wednesday, August 5, 2020	Continuous field welding	8	\$ 120.00	\$ 960.00
Thursday, August 6, 2020	Continuous field welding	8	\$ 120.00	\$ 960.00
Friday, August 7, 2020	Continuous field welding	8	\$ 120.00	\$ 960.00
Thursday, August 20, 2020	Continuous field welding	4	\$ 145.00	\$ 580.00
Subtotal				\$ 5,530.00

PCO 48-02

INSPECTION INVOICES

Invoice



Tony Resendez
 City of Long Beach
 Department of Public Works
 Project Management Division
 411 W. Ocean Blvd.
 5th Floor
 Long Beach, CA 90802

April 9, 2020
 Invoice No: 37527

Project Manager Nicholas Turner
 Project MT3142-3 Alamitos Beach Concession / PW8230-1940

Project PO# 21906420 / Project# PW3070-5840 / 3002020003

Main Direct PO# DPPW18002608 / Munis # 3173000012

Professional Services from February 29, 2020 through March 27, 2020

Phase 01 Special Inspection

Professional Services

	Hours	Rate	Amount
Project Manager			
Trasoras, Edward	1.00	175.00	175.00
Field Technician/Inspector			
Degener, Troy	6.00	145.00	870.00
Palma, Benito	1.50	145.00	217.50
Field Technician/Inspector- Non Employee			
Danrich, Daniel	4.00	145.00	580.00
Robinson, John	4.00	145.00	580.00
Roldan, Stewart	24.00	145.00	3,480.00
Roldan, Stewart Ovt	8.00	217.50	1,740.00
Project Support / Dispatch			
Galvan, Erin	1.50	80.00	120.00
Totals	50.00		7,762.50
Total Professional Services			7,762.50

Laboratory

"Compression Test of Grout Cube	6.0 tests @ 65.00	390.00	
Total Laboratory		390.00	390.00
Phase Total			\$8,152.50

Budget

	Current	Prior	To-Date
Total Billings	8,152.50	41,395.25	50,445.75
Budget Total			108,854.00
Remaining Budget			58,408.25
Total Project Invoice Amount			\$8,152.50

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	37527
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Outstanding Invoices

Number	Date	Balance
37083	1/8/2020	2,472.00
37214	2/12/2020	8,775.75
37462	3/13/2020	7,297.50
36945-1	12/16/2019	9,947.00
Total		28,492.25

We appreciate the opportunity to provide our services. Please contact us if you have any questions.

Remit Payment to: Group Delta Consultants, Inc. 32 Mauchly Suite B Irvine, CA 92618

Authorized By:



Nicholas Turner

Project MT3142-3 Alamitos Beach Concession / PW8230-1940 Invoice 37527

Billing Backup

Thursday, April 9, 2020

Group Delta Consultants, Inc.

Invoice 37527 Dated 4/9/2020

5:47:58 PM

Project MT3142-3 Alamitos Beach Concession / PW8230-1940
 Phase 01 Special Inspection

Professional Services

			Hours	Rate	Amount
Project Manager					
Trasoras, Edward	3/3/2020		.25	175.00	43.75
Read and signed 1 report					
Trasoras, Edward	3/10/2020		.25	175.00	43.75
Read and signed 1 report					
Trasoras, Edward	3/18/2020		.25	175.00	43.75
Read and signed 1 report					
Trasoras, Edward	3/25/2020		.25	175.00	43.75
Read and signed 1 report					
Field Technician/Inspector					
Degener, Troy	3/24/2020		6.00	145.00	870.00
Performed continuous Welding Inspection for Full Penetration Welds at Building A per RFI 167 & SSK19 as well as full pen welds at Gridline 3 & H.					
Palma, Benito	3/2/2020		1.50	145.00	217.50
Picked up Cylinders.					
Field Technician/Inspector- Non Employee					
Danrich, Daniel	2/27/2020		4.00	145.00	580.00
Structurral Steel/Welding Inspection					
Robinson, John	2/14/2020		4.00	145.00	580.00
Concrete/Reinforced Steel Inspection					
Roldan, Stewart	2/26/2020		8.00	145.00	1,160.00
Concrete/Reinforced Steel Inspection					
Roldan, Stewart	2/27/2020		8.00	145.00	1,160.00
Concrete/Reinforced Steel Inspection					
Roldan, Stewart	2/28/2020		8.00	145.00	1,160.00
Concrete/Reinforced Steel Inspection					
Roldan, Stewart	2/29/2020 Ovt		8.00	217.50	1,740.00
Concrete/Reinforced Steel Inspection					
Project Support / Dispatch					
Galvan, Erin	3/4/2020		.25	80.00	20.00
Data Entry & Distribution of Lab Results					
Galvan, Erin	3/5/2020		.25	80.00	20.00
Dispatch/Project Support					
Galvan, Erin	3/9/2020		.25	80.00	20.00
Data Entry & Distribution of Lab Results					
Galvan, Erin	3/23/2020		.25	80.00	20.00
Dispatch/Project Support					
Galvan, Erin	3/25/2020		.50	80.00	40.00
Data Entry & Distribution of Lab Results					
Totals			50.00		7,762.50
Total Professional Services					7,762.50

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	37527
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Laboratory

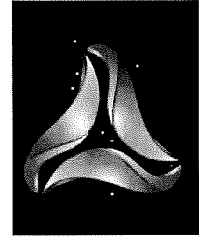
"Compression Test of Grout Cube	6.0 tests @ 65.00	390.00	
Total Laboratory		390.00	390.00

Phase Total **\$8,152.50**

Project Total **\$8,152.50**

Total this Report **\$8,152.50**

Invoice



Tony Resendez
 City of Long Beach
 Department of Public Works
 Project Management Division
 411 W. Ocean Blvd.
 5th Floor
 Long Beach, CA 90802

September 14, 2020
 Invoice No: 38440

Project Manager Nicholas Turner
 Project MT3142-3 Alamitos Beach Concession / PW8230-1940

Project PO# 21906420 / Project# PW3070-5840 / 3002020003

Main Direct PO# DPPW18002608 / Munis # 3173000012

Professional Services from August 1, 2020 through August 28, 2020

Phase 01 Special Inspection

Professional Services

	Hours	Rate	Amount	
Laboratory Manager				
Trasoras, Edward	.25	140.00	35.00	
CM/Senior Inspector				
Degener, Troy	4.00	145.00	580.00	
Special/Deputy Inspector				
Goodwin, Michael	4.00	130.00	520.00	
ACI/Soils/HMA Technician				
Magalogo, Robert	4.00	120.00	480.00	
Palma, Benito	1.00	120.00	120.00	
ACI/Soils/HMA Technician- Non Employee				
Danrich, Daniel	4.00	120.00	480.00	
Diaz, Sergio	34.00	120.00	4,080.00	
Sobay, Mark	8.00	120.00	960.00	
Project Support / Dispatch				
Galvan, Erin	3.75	80.00	300.00	
Totals	63.00		7,555.00	
Total Professional Services				7,555.00

Laboratory

"Compression Test Mortar Cylinder	3.0 tests @ 65.00	195.00	
Compression Test Concrete Cylinders	4.0 tests @ 35.00	140.00	
Total Laboratory		335.00	335.00

Phase Total \$7,890.00

Budget	Current	Prior	To-Date
Total Billings	7,890.00	81,637.75	90,445.75
Budget Total			108,854.00

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38440
---------	----------	---	---------	-------

Remaining Budget	18,408.25
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Total Project Invoice Amount \$7,890.00


Outstanding Invoices

Number	Date	Balance
37929	6/11/2020	3,375.00
38139	7/13/2020	6,500.00
38249	8/13/2020	4,420.00
Total		14,295.00

We appreciate the opportunity to provide our services. Please contact us if you have any questions.

Remit Payment to: Group Delta Consultants, Inc. 32 Mauchly Suite B Irvine, CA 92618

Authorized By: _____



Nicholas Turner

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38440
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Billing Backup

Monday, September 14, 2020

Group Delta Consultants, Inc.

Invoice 38440 Dated 9/14/2020

6:16:14 PM

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940
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Phase	01	Special Inspection
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Professional Services

			Hours	Rate	Amount
Laboratory Manager					
Trasoras, Edward	8/20/2020	Read and signed 1 lab report	.25	140.00	35.00
CM/Senior Inspector					
Degener, Troy	8/20/2020	Provided Welding Inspection of the Glass Wall Frame on the 2nd Floor of Building A. Joints welded were the vertical 3"x 1/2" steel to beam connection.	4.00	145.00	580.00
Special/Deputy Inspector					
Goodwin, Michael	8/28/2020	Rebar Inspections	4.00	130.00	520.00
ACI/Soils/HMA Technician					
Magalogo, Robert	8/11/2020	soils	4.00	120.00	480.00
Palma, Benito	8/26/2020	Picked up 3 Grout Samples.	1.00	120.00	120.00
ACI/Soils/HMA Technician- Non Employee					
Danrich, Daniel	8/21/2020	Structural Steel/Welding Inspection	4.00	120.00	480.00
Diaz, Sergio	8/3/2020	Structural Steel/Welding Inspection	8.00	120.00	960.00
Diaz, Sergio	8/4/2020	Show Up	2.00	120.00	240.00
Diaz, Sergio	8/5/2020	Structural Steel/Welding Inspection	8.00	120.00	960.00
Diaz, Sergio	8/6/2020	Structural Steel/Welding Inspection	8.00	120.00	960.00
Diaz, Sergio	8/7/2020	Structural Steel/Welding Inspection	8.00	120.00	960.00
Sobay, Mark	8/24/2020	Concrete/Reinforced Steel Inspection	8.00	120.00	960.00
Project Support / Dispatch					
Galvan, Erin	8/3/2020	Dispatch/Project Support	.25	80.00	20.00
Galvan, Erin	8/4/2020	Dispatch/Project Support	.25	80.00	20.00
Galvan, Erin	8/5/2020	Dispatch/Project Support	.25	80.00	20.00
Galvan, Erin	8/6/2020	Dispatch/Project Support	.25	80.00	20.00
Galvan, Erin	8/10/2020	Dispatch/Project Support	.25	80.00	20.00

32 Mauchly, Suite B, Irvine, CA 92618 TEL: (949) 450-2100
 Anaheim — Irvine — Ontario — San Diego — Torrance
www.GroupDelta.com

Project	MT3142-3	Alamitos Beach Concession / PW8230-1940	Invoice	38440
Galvan, Erin	8/19/2020	.50 80.00	40.00	
DAta Entry & Distribution of Lab Results				
Galvan, Erin	8/19/2020	.50 80.00	40.00	
Dispatch/Project Support				
Galvan, Erin	8/20/2020	.25 80.00	20.00	
Dispatch/Project Support				
Galvan, Erin	8/21/2020	.25 80.00	20.00	
Dispatch/Project Support				
Galvan, Erin	8/21/2020	.50 80.00	40.00	
DAta Entry & Distribution of Lab Results				
Galvan, Erin	8/24/2020	.25 80.00	20.00	
Dispatch/Project Support				
Galvan, Erin	8/27/2020	.25 80.00	20.00	
Dispatch/Project Support				
Totals		63.00	7,555.00	
Total Professional Services				7,555.00
Laboratory				
"Compression Test Mortar Cylinder		3.0 tests @ 65.00	195.00	
Compression Test Concrete Cylinders		4.0 tests @ 35.00	140.00	
Total Laboratory			335.00	335.00
			Phase Total	\$7,890.00
			Project Total	\$7,890.00
			Total this Report	\$7,890.00

PCO 48-03

INSPECTOR REPORTS



Registered Deputy Daily Inspection Report and Certificate of Compliance

Department of Development Services | Building & Safety Bureau
411 W. Ocean Blvd., 2nd Floor, Long Beach, CA 90802
(562) 570-7648 longbeach.gov/lbds

To: Building Official

Date: MARCH 24, 2020

1. Job Address 780 E. SHORELINE DR. Project # BREW223619

- 2. Piling Footing Reinforcing Steel Concrete Gunite Masonry
- Structural Steel/Welding Seismic Epoxy Other: _____

3. Owner CITY OF LONG BEACH Contractor KLASSIC ENGINEERING (GC) / AFAKORI (STEEL)
Architect RA-DA Engineer JOHN LABIB + ASSOCIATES (JLA)

4. Job Description: (Type of Building/Construction, etc.) CONCESSION, CONCRETE FOUNDATION / STEEL WOOD FRAME

5. Approximate percentage of deputy work completed: ~75% OF FULL PORT WELDS.

6. Test (type, number and dates made):
N/A

7. Do plans match work? Yes No

Are Engineering Changes needed? Yes No

If yes, explain: NEED RFI AS W/1/4" TO W/1/2" AT GRID 3/4 IS NOT PROPER FIT UP FOR FULL PORT PLATE G.I.A. PER 3/50.30 SOUTH SIDE.

8. Welding Inspection – Please record the following:
Fabricator: AFAKORI Welding Machine: MILLER BLUE 400 PRO / AC/DC POWER SOURCE 12
Rod or Wire: LINCOLN ELECTRIC NR232, .012" Certified Welders: ALFREDO TORRES JR.

9. High Strength Bolts (record specification and sized of bolts/washer used; method of tightening, i.e. Ft. Lbs. Torque/turns applied, etc.):
N/A

10. Give brief description of work inspected this date:
VERIFIED FIT UP + FULL PENETRATION WELDING AT GRID 3/4 (ALPHASIDE), OBSERVED WELDING PER DETAIL 3/50.30, ALSO OBSERVED WELDING OF BEAM SPICE PER RFI #167 + SSK 19, FULL PORT PLATES AT TOP + BOTTOM FLANGES. A 3/8" PLATE WAS ALSO ADDED W/ 1/4" FINES WELD ALL AROUND. INFORMED CONTRACTOR THAT BRACING BOLTS AT BOTTOM FLANGES NEED TO BE REMOVED, BRACKETS, + WASHERS PER GEN. NOTES SHEET 50.01. I have represented the owner or his agent (other than the contractor). I have had sufficient time to inspect the reinforcing steel prior to placing concrete. I certify that the work listed above was inspected by me and complies with The California Building Code, local codes, and is in compliance with the approved project plans and specifications.

TROY DEGENER
Print Name

Signature

BDEP156505
LB Cert



Twining, Inc.- Long Beach Lab
 3310 Airport Way, Long Beach, CA 90806
 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Daily Field Report

Report No: DFR:W01-20-19048-O1
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , Long Beach BNEW223679 OSHPD: DSA File #: DSA AP #:
--	---

Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
--	--

Test Date: Monday, August 3, 2020 Inspection No.: Contractor: Equipment Obsv.: Elevator Shaft hoist beam column splices RFI 255 Time Arrived: 7:00 AM Lunch Start: 11:00 AM Mileage:	Inspector: Sergio Diaz Time Departed: 3:30 PM Lunch End: 11:30 AM Weather: Hot	Time on Site: 8.5 Hrs Travel Time:
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Types of Testing / Observations
 Structural Steel Welding - Field

Referenced Documents

Observations / Remarks
 *****Regular: _8_ OT: _0_ DT: _0_ Reason for Travel: ___ Miles to Jobsite: ___ Miles from Jobsite: ___ Travel to Jobsite (start): ___
 Travel to Jobsite (end): ___ Travel from Jobsite (start): ___ Travel from Jobsite (end): ___ Expenses: _____ Equipment Used: _____

STRUCTURAL STEEL WELDING - FIELD
 Performed visual inspection of field welding at the following locations: Per AWS D1.1

1)Performed Visual inspection at 5x5x3/16 HHS column splices at elevator shaft , per RFI# 255
 Two splices total
 2)Ultrasonic Testing not able to be performed, material thickness is only 3/16" , minimum required thickness for ultrasonic testing is 5/16" .

Work inspected using design drawings and specifications - (Yes RFI# 255)
 Performed material identification per certified mill test reports - (Not Applicable)
 Verified welding to an approved/appropriate weld procedure specification (WPS) - (Yes see attached picture)
 Verified welder qualifications - (Yes Certs attached)
 Verified electrode used and proper storage of electrode - (Yes)
 Verified flux usage and storage - (Not Applicable)
 Verified proper joint fit-up prior to welding - (Yes Per RFI)
 Verified pre-heat and interpass temperatures as required - (Not Applicable)
 Verified welding for visual acceptance for size and length per approved drawings and applicable codes - (Yes)
 Continuous inspection of multi-pass fillet welds - (Yes)
 Periodic inspection of single-pass welds - (Not Applicable)
 Verified weld access holes and copes meet code standards - (Not Applicable)
 Verified that non-destructive testing (UT, MT, PT) was performed per approved drawings and specifications - (Not




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Daily Field Report

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 Date of Issue: 08/10/2020 Issue No: 1

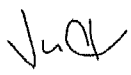
Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , Long Beach BNEW223679 OSHPD: DSA File #: DSA AP #:
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Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
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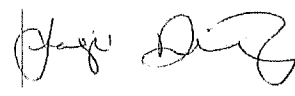
Observations / Remarks (continued)

Applicable)
 Performed non-destructive testing per approved drawings and specifications - (Not Applicable)
 All inspected welds marked "TL" with date and inspector initials as close to weld as possible - (Yes)
 Inspected welds requiring NDT testing have information in the inspection box located near the weld - (Not Applicable)

Welder and certification expiration date(s):



All inspections based on minimum of 4 hours and over 4 hours - 8 hours minimum. If inspector is called to a project and no work is performed, a 2 hour minimum charge will be applied.



Jason Feagin

Sergio Diaz, Inspector/Technician

Remarks:

This report will be distributed to architect, engineer, client, and governing jurisdiction (e.g. DSA) as required by applicable codes and project documents.

Certificate of Compliance		
The Work <input checked="" type="checkbox"/> Was <input type="checkbox"/> Was Not inspected in accordance with the requirements of the jurisdiction approved documents	The Work Inspected <input checked="" type="checkbox"/> Met <input type="checkbox"/> Did Not Meet the requirements of the jurisdiction approved documents	Material Sampling was not performed

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Daily Field Report

Customer: Group Delta Consultants, Inc.
4201 Santa Ana Street, Suite F
Ontario, CA, 91761

Project: MT3142-3 Alamitos Beach Concession Building Project
780 East Shoreline Drive
Long Beach, CA, 92866

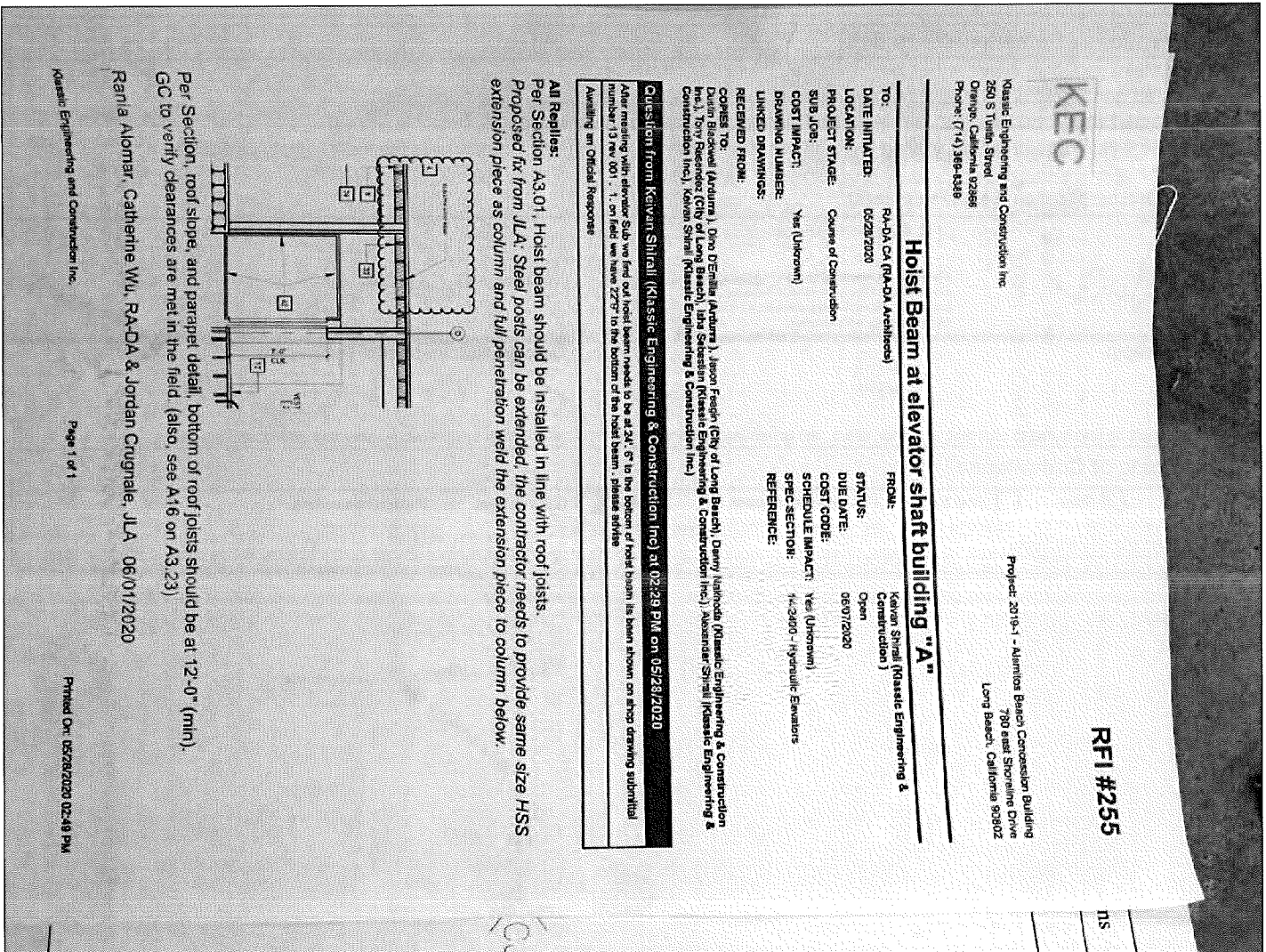
Jurisdiction:
Distribution:

Twining, Inc. - Long Beach Lab
3310 Airport Way, Long Beach, CA 90806
Ph: 562.426.3355
Fax: 562.426.6424
www.twininginc.com

Report No: DFR:W01-20-19048-01
Date of Issue: 8/10/2020 **Issue No:** 1

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



RFI# 255 used

RFI# 255 used



Daily Field Report

Customer: Group Delta Consultants, Inc.
4201 Santa Ana Street, Suite F
Ontario, CA, 91761

Project: MT3142-3 Alamitos Beach Concession Building Project
780 East Shoreline Drive
Long Beach, CA, 92866

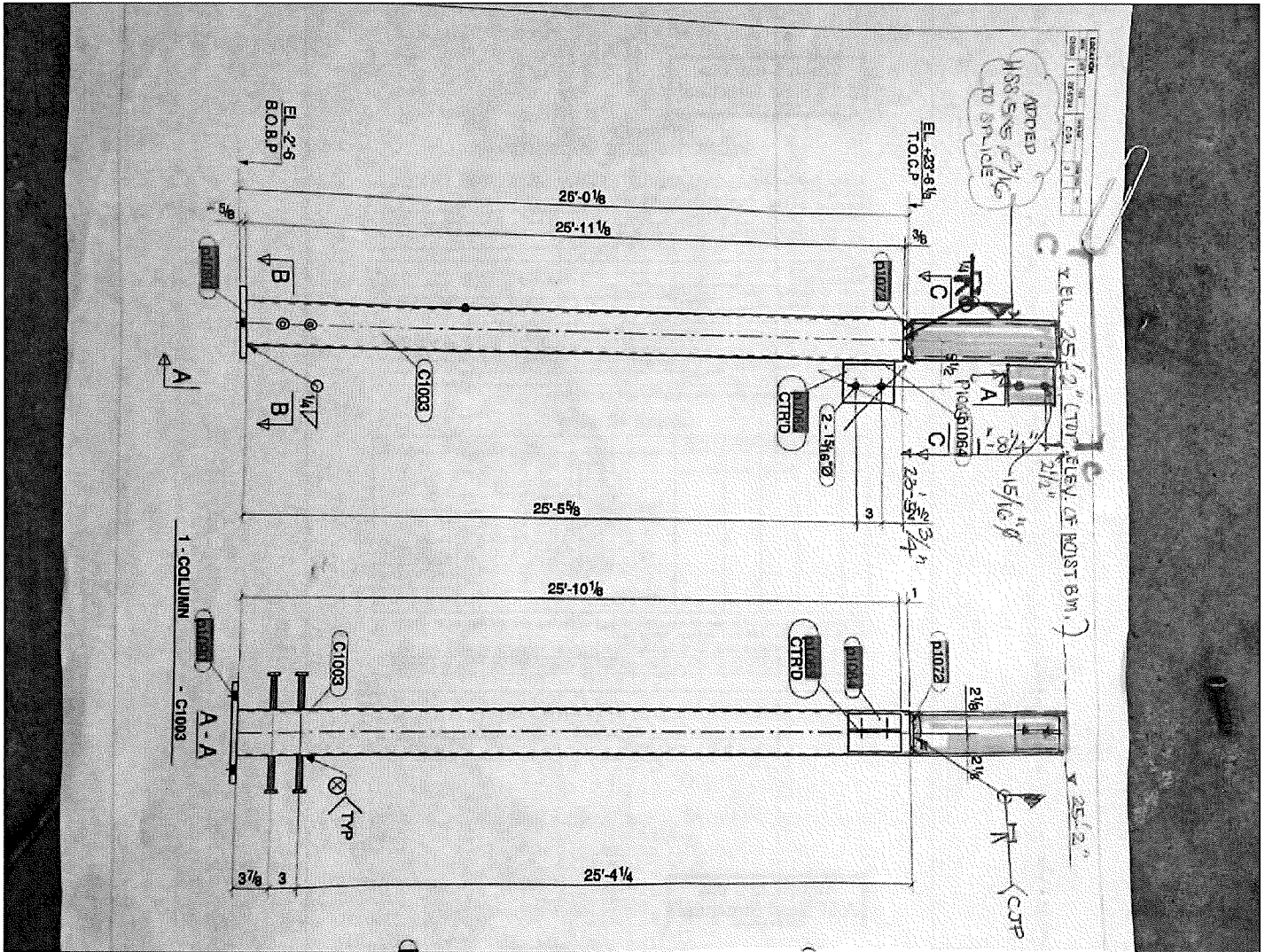
Jurisdiction:
Distribution:

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3310 Airport Way, Long Beach, CA 90806
Ph: 562.426.3355
Fax: 562.426.6424
www.twininginc.com

Report No: DFR:W01-20-19048-01
Date of Issue: 8/10/2020 Issue No: 1

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Splice Joint details

Splice Joint details



Daily Field Report

Twining, Inc. - Long Beach Lab
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 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Report No: DFR:W01-20-19048-01

Date of Issue: 8/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
 Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)

Sprint LTE 9:27 AM

Standard Field WPS - full pen
 PDF - 86 KB

Afakori, Inc. dba
AAF Steel Structural
 LICENSE # 850004

PREQUALIFIED JOINT
WELDING PROCEDURE SPECIFICATIONS

Material Specification: ALL STEEL LISTED AWS D1.1 TABLE 3.1 GROUP 1 & 2
 Welding Process: FLAW
 Manual or Machine: SEMI-AUTOMATIC
 Position of Welding: ALL
 Filler Metal Specifications: AWS A5.20
 Filler Metal Classification: E717-B (LINCOLN NR232)
 Flux: NA
 Weld Metal Grade: NA
 Shielding Gas: NA Flow Rate: NA
 Single or Multiple Pass: MULTIPLE
 Single or Multiple Arc: SINGLE
 Welding Current: DC
 Polarity: ELECTRODE NEGATIVE
 Welding Progression: UPWARD 3G, UNDERCUT MAY BE REPAIRED VERTICALLY DOWNWARDS
 Root Treatment: REMOVE UNDER CUT, SCALE, SLAG, RUST AND GREASE
 Preheat and Interpass Temp: (IF BASE METAL IS BELOW 32°F, PREHEAT TO 70°F)
 Postheat Treatment: NONE

*Applicable only when filler metal has no AWS classification.

WELDING PROCEDURE

WPS No.	Code	Position	Process	Preheat	Postheat
001	3FC	200-250	14-21	125-155	

Joint Detail

(R=1/4a-CP)

TOLERANCES	
±.015	±.010
±.010	±.005
±.005	±.002

THE PROCEDURE MAY ONLY BE USED IN FABRICATION SEQUENCE, IN UP, PASS DOWN, AND WITHIN THE LIMITATION OF VERTICALITY GIVEN IN 4B, C OR D OF AWS D1.1, STRUCTURAL WELDING CODE.
 REMARKS: THE THICKNESS OF WELD LAYERS SHALL NOT EXCEED 1/4". USE SPITTY LAYER TECHNIQUE WHEN THE GROOVE WIDTH > 3/8" IN THE FLAT, HORIZONTAL AND OVERHEAD POSITION AND > 1" IN VERT. POSITION

Procedure No. AAF-FC-18.1 Authorized by: Anthony Ly
 Revision No. 0 Date: 7/8/19

Afakori, Inc. dba
AAF Steel Structural
 LICENSE # 850004

WPS used

WPS used



Daily Field Report

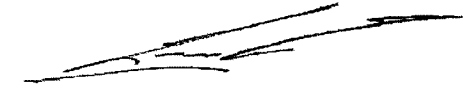
Twining, Inc.- Long Beach Lab
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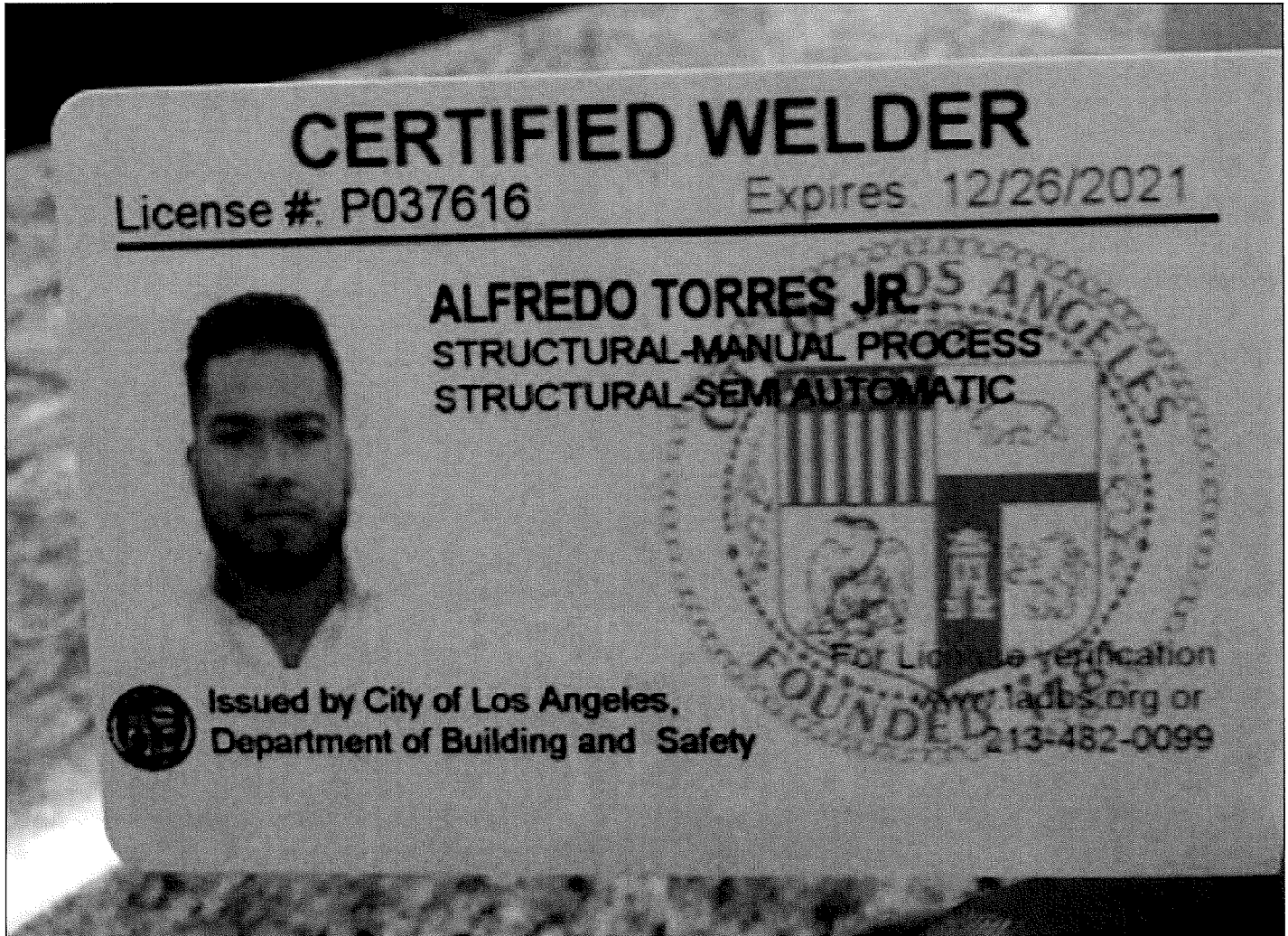
Report No: DFR:W01-20-19048-O1
 Date of Issue: 8/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
 Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:


 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Welder certification

Welder certification



Daily Field Report

Twining, Inc. - Long Beach Lab
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 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Report No: DFR:W01-20-19048-O1
 Date of Issue: 8/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
 Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

[Handwritten signature]
 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Inspector markings on full pen splices completed

Inspector markings on full pen splices completed



Twining, Inc.- Long Beach Lab
 3310 Airport Way, Long Beach, CA 90806
 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Daily Field Report

Report No: DFR:W01-20-19200-O1
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , BNEW223679 OSHPD: DSA File #: DSA AP #:
--	--

Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
--	--

Test Date: Tuesday, August 4, 2020 Inspection No.: Contractor: AFAKORI Equipment Obsv.: Galvanized screen frame on rood Time Arrived: 7:00 AM Lunch Start: Mileage:	Inspector: Sergio Diaz Time Departed: 8:00 AM Weather: Clear	Time on Site: 1 Hrs Travel Time:
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Types of Testing / Observations Structural Steel Welding - Field
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Referenced Documents

Observations / Remarks *****Regular: _8_ OT: _0_ DT: _0_ Reason for Travel: ___ Miles to Jobsite: ___ Miles from Jobsite: ___ Travel to Jobsite (start): ___ Travel to Jobsite (end): ___ Travel from Jobsite (start): ___ Travel from Jobsite (end): ___ Expenses: _____ Equipment Used: ***** STRUCTURAL STEEL WELDING - FIELD Performed visual inspection of field welding at the following locations: Per AWS D1.1 1) Arrived to job site and welders were going home , Truck delivering crane to used for installation broke down on freeway , per welding foreman . 2) there was unfinished welds that could be completed with out crane Work inspected using design drawings and specifications - (Yes RFI# 255) Performed material identification per certified mill test reports - (Not Applicable) Verified welding to an approved/appropriate weld procedure specification (WPS) - (Yes see attached picture) Verified welder qualifications - (Yes Certs attached) Verified electrode used and proper storage of electrode - (Yes) Verified flux usage and storage - (Not Applicable) Verified proper joint fit-up prior to welding - (Yes Per RFI) Verified pre-heat and interpass temperatures as required - (Not Applicable) Verified welding for visual acceptance for size and length per approved drawings and applicable codes - (Yes) Continuous inspection of multi-pass fillet welds - (Yes) Periodic inspection of single-pass welds - (Not Applicable) Verified weld access holes and copes meet code standards - (Not Applicable) Verified that non-destructive testing (UT, MT, PT) was performed per approved drawings and specifications - (Not Applicable) Performed non-destructive testing per approved drawings and
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Daily Field Report

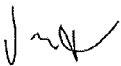
Report No: DFR:W01-20-19200-O1
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , BNEW223679 OSHDP: DSA File #: DSA AP #:
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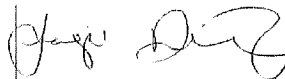
Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
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Observations / Remarks (continued)

specifications - (Not Applicable)
 All inspected welds marked "TL" with date and inspector initials as close to weld as possible - (Yes)
 Inspected welds requiring NDT testing have information in the inspection box located near the weld - (Not Applicable)
 Welder and certification expiration date(s):



All inspections based on minimum of 4 hours and over 4 hours - 8 hours minimum. If inspector is called to a project and no work is performed, a 2 hour minimum charge will be applied.



Jason Feagin

Sergio Diaz, Inspector/Technician

Remarks: Lunch not taken reason: Only one hour

This report will be distributed to architect, engineer, client, and governing jurisdiction (e.g. DSA) as required by applicable codes and project documents.

Certificate of Compliance			
The Work <input checked="" type="checkbox"/> Was <input type="checkbox"/> Was Not inspected in accordance with the requirements of the jurisdiction approved documents	The Work Inspected <input checked="" type="checkbox"/> Met <input type="checkbox"/> Did Not Meet the requirements of the jurisdiction approved documents	Material Sampling was not performed	

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Report No: DFR:W01-20-19200-01
 Date of Issue: 8/10/2020 **Issue No: 1**

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
 Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

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 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Incompleted welds that could be done with out crane

Incompleted welds that could be done with out crane



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Daily Field Report

Report No: DFR:W01-20-19330-O1
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: OSHPD: DSA File #: DSA AP #:
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Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
--	--

Test Date: Wednesday, August 5, 2020 Inspection No.: Contractor: Afakori Equipment Obsv.: Time Arrived: 7:00 AM Lunch Start: 11:00 AM Mileage:	Inspector: Sergio Diaz Time Departed: 3:30 PM Lunch End: 11:30 AM Weather:	Time on Site: 8.5 Hrs Travel Time:
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Types of Testing / Observations
 Structural Steel Welding - Field

Referenced Documents

Observations / Remarks

*****Regular: _8_ OT: _0_ DT: _0_ Reason for Travel: ___ Miles to Jobsite: ___ Miles from Jobsite: ___ Travel to Jobsite (start): ___
 Travel to Jobsite (end): ___ Travel from Jobsite (start): ___ Travel from Jobsite (end): ___ Expenses: _____ Equipment Used: _____

STRUCTURAL STEEL WELDING - FIELD
 Performed visual inspection of field welding at the following locations: Per AWS D1.1

1)AFF STEEL
 Continued Installing HSS Mechanical Screen Framing on building A low roof framing plan(S2.01), in between gridlines B.4-G along Grid line 3.5, per Details 9/S4.03,
 2)Ultrasonic Testing not able to be performed on mechanical screen column splices , material thickness is only 1/4" , required thickness for ultrasonic testing is 5/16" .

Work inspected using design drawings and specifications - (Yes RFI# 255)
 Performed material identification per certified mill test reports - (Not Applicable)
 Verified welding to an approved/appropriate weld procedure specification (WPS) - (Yes see attached to 8/3/20 Report picture)
 Verified welder qualifications - (Yes Certs attached)
 Verified electrode used and proper storage of electrode - (Yes)
 Verified flux usage and storage - (Not Applicable)
 Verified proper joint fit-up prior to welding - (Yes Per RFI)
 Verified pre-heat and interpass temperatures as required - (Not Applicable)
 Verified welding for visual acceptance for size and length per approved drawings and applicable codes - (Yes)
 Continuous inspection of multi-pass fillet welds - (Yes)
 Periodic inspection of single-pass welds - (Not Applicable)
 Verified weld access holes and copes meet code



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 Date of Issue: 08/10/2020 Issue No: 1

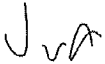
Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: OSHPD: DSA File #: DSA AP #:
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Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
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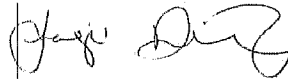
Observations / Remarks (continued)

standards - (Not Applicable)
 Verified that non-destructive testing (UT, MT, PT) was performed per approved drawings and specifications - (Not Applicable)
 Performed non-destructive testing per approved drawings and specifications - (Not Applicable)
 All inspected welds marked "TL" with date and inspector initials as close to weld as possible - (Yes)
 Inspected welds requiring NDT testing have information in the inspection box located near the weld - (Not Applicable)

Welder and certification expiration date(s): Yes attached to 8/3/20 Report



All inspections based on minimum of 4 hours and over 4 hours - 8 hours minimum. If inspector is called to a project and no work is performed, a 2 hour minimum charge will be applied.



Jason Feagin

Sergio Diaz, Inspector/Technician

Remarks:

This report will be distributed to architect, engineer, client, and governing jurisdiction (e.g. DSA) as required by applicable codes and project documents.

Certificate of Compliance		
The Work <input checked="" type="checkbox"/> Was <input type="checkbox"/> Was Not inspected in accordance with the requirements of the jurisdiction approved documents	The Work Inspected <input checked="" type="checkbox"/> Met <input type="checkbox"/> Did Not Meet the requirements of the jurisdiction approved documents	Material Sampling was not performed

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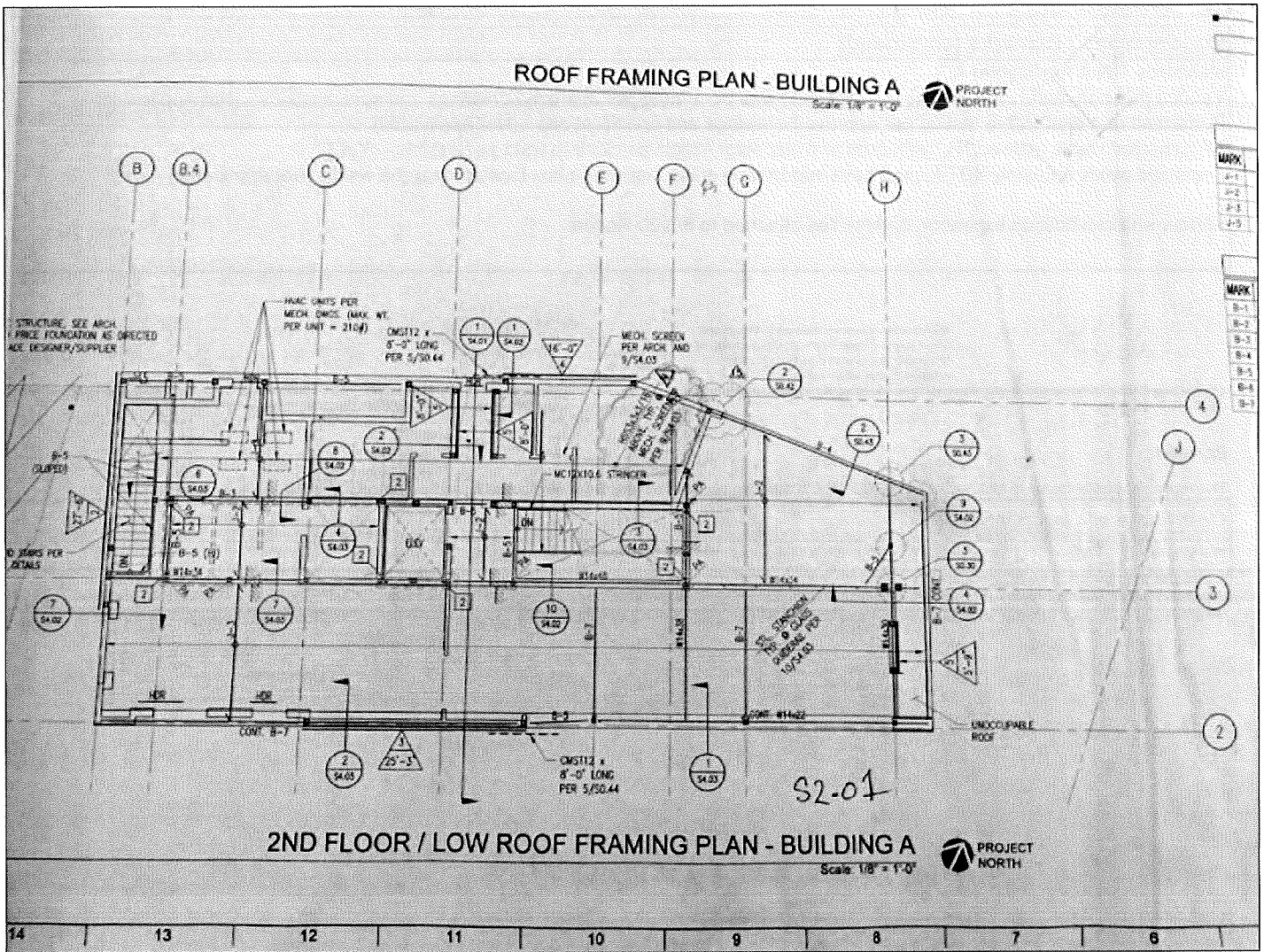
Report No: DFR:W01-20-19330-01
 Date of Issue: 8/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
 Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Low roof framing plan

Low roof framing plan



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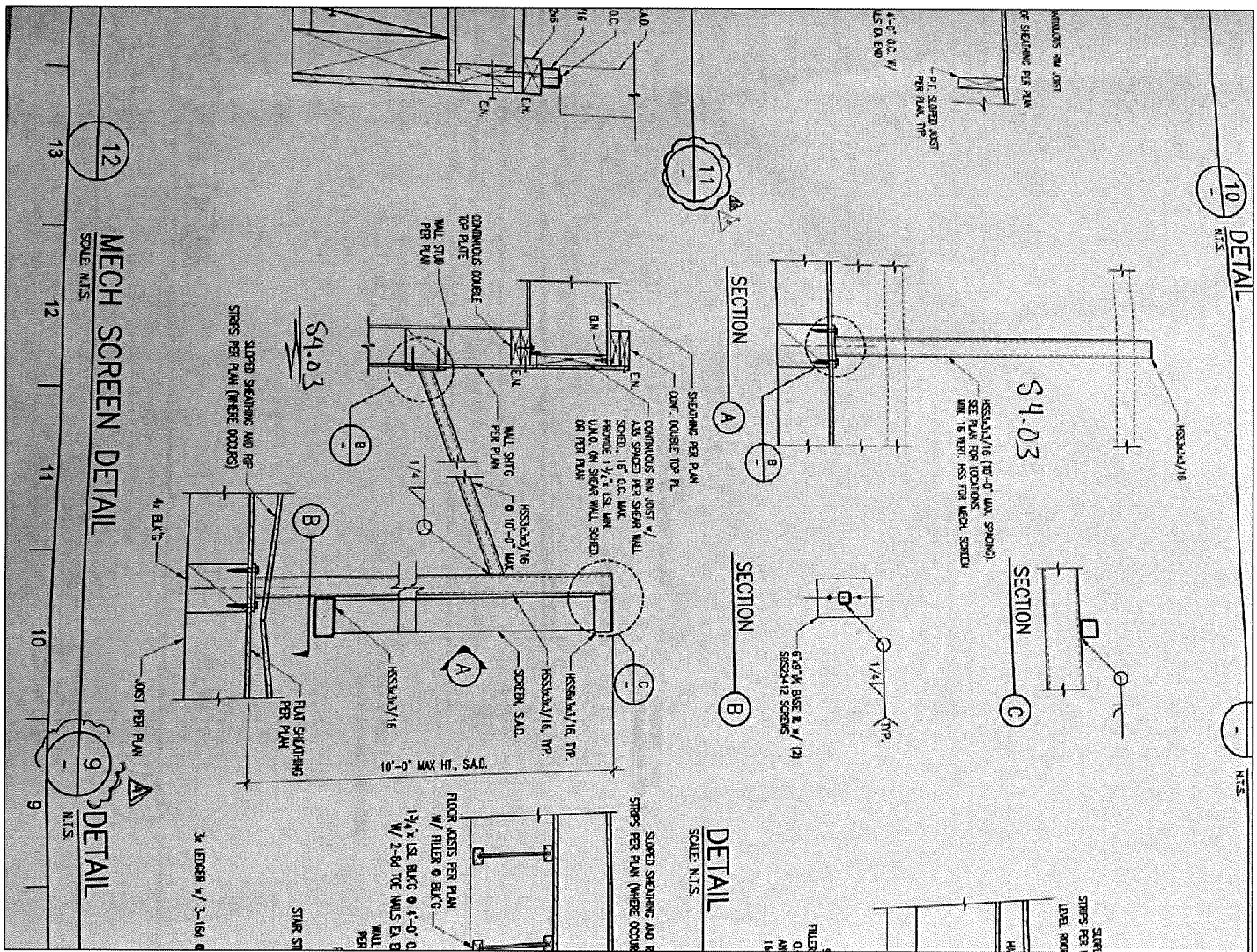
Report No.: DFR:W01-20-19330-01
 Date of Issue: 8/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
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Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Welding details for Mechanical Screen Framing

Welding details for Mechanical Screen Framing



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Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

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 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Erecting Mechanical Screen Framing

Erecting Mechanical Screen Framing



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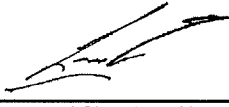
Daily Field Report

Report No: DFR:W01-20-19443-O1

Date of Issue: 08/10/2020

Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , Long Beach BNEW223679 OSHPD: DSA File #: DSA AP #:
--	---

Distribution:	
Jurisdiction:	Approved Signatory: Hesam Sajed

Test Date: Thursday, August 6, 2020	Inspector: Sergio Diaz	
Inspection No.:		
Contractor: KEC Engineering, Inc.		
Equipment Obsv.: Mechanical screen framing		
Time Arrived: 7:00 AM	Time Departed: 3:30 PM	Time on Site: 8.5 Hrs
Lunch Start: 11:00 AM	Lunch End: 11:30 AM	Travel Time:
Mileage:	Weather: Clear	

Types of Testing / Observations
Structural Steel Welding - Field

Referenced Documents

<p>Observations / Remarks</p> <p>*****Regular: _8_ OT: _0_ DT: _0_ Reason for Travel: ___ Miles to Jobsite: ___ Miles from Jobsite: ___ Travel to Jobsite (start): ___ Travel to Jobsite (end): ___ Travel from Jobsite (start): ___ Travel from Jobsite (end): ___ Expenses: _____ Equipment Used: _____ *****</p> <p>STRUCTURAL STEEL WELDING - FIELD Performed visual inspection of field welding at the following locations: Per AWS D1.1</p> <p>1)AFF STEEL Continued Installing HSS Mechanical Screen Framing on building A low roof framing plan(S2.01), in between gridlines B.4-G along Grid line 3.5, per Details 9/S4.03,</p> <p>2)Ultrasonic Testing not able to be performed on mechanical screen column splices , material thickness is only 1/4" , required thickness for ultrasonic testing is 5/16" .</p> <p>Work inspected using design drawings and specifications - (Yes RFI# 255) Performed material identification per certified mill test reports - (Not Applicable) Verified welding to an approved/appropriate weld procedure specification (WPS) - (Yes see attached to 8/3/20 Report picture) Verified welder qualifications - (Yes Certs attached) Verified electrode used and proper storage of electrode - (Yes) Verified flux usage and storage - (Not Applicable) Verified proper joint fit-up prior to welding - (Yes Per RFI) Verified pre-heat and interpass temperatures as required - (Not Applicable) Verified welding for visual acceptance for size and length per approved drawings and applicable codes - (Yes) Continuous inspection of multi-pass fillet welds - (Yes) Periodic inspection of single-pass welds - (Not Applicable) Verified weld access holes and copes meet code</p>
--




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Daily Field Report

Report No: DFR:W01-20-19443-O1
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , Long Beach BNEW223679 OSHPD: DSA File #: DSA AP #:
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Distribution:	
Jurisdiction:	Approved Signatory: Hesam Sajed

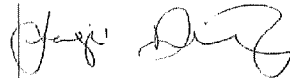
Observations / Remarks (continued)

standards - (Not Applicable)
 Verified that non-destructive testing (UT, MT, PT) was performed per approved drawings and specifications - (Not Applicable)
 Performed non-destructive testing per approved drawings and specifications - (Not Applicable)
 All inspected welds marked "TL" with date and inspector initials as close to weld as possible - (Yes)
 Inspected welds requiring NDT testing have information in the inspection box located near the weld - (Not Applicable)

Welder and certification expiration date(s): Yes attached to 8/3/20 Report



All inspections based on minimum of 4 hours and over 4 hours - 8 hours minimum. If inspector is called to a project and no work is performed, a 2 hour minimum charge will be applied.



Jason Feagin

Sergio Diaz, Inspector/Technician

Remarks:

This report will be distributed to architect, engineer, client, and governing jurisdiction (e.g. DSA) as required by applicable codes and project documents.

Certificate of Compliance		
The Work <input checked="" type="checkbox"/> Was <input type="checkbox"/> Was Not inspected in accordance with the requirements of the jurisdiction approved documents	The Work Inspected <input checked="" type="checkbox"/> Met <input type="checkbox"/> Did Not Meet the requirements of the jurisdiction approved documents	Material Sampling was not performed

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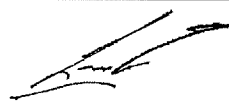


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Daily Field Report

Report No: DFR:W01-20-19571-01
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , LongBeach BNEW223679 OSHPD: DSA File #: DSA AP #:
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Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
--	--

Test Date: Friday, August 7, 2020 Inspection No.: Contractor: KEC Engineering, Inc. Equipment Obsv.: Mechanical screen framing Time Arrived: 7:00 AM Lunch Start: 11:00 AM Mileage:	Inspector: Sergio Diaz Time Departed: 12:30 PM Lunch End: 11:30 AM Weather: Clear	Time on Site: 5.5 Hrs Travel Time:
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Types of Testing / Observations
 Structural Steel Welding - Field

Referenced Documents

Observations / Remarks
 *****Regular: 8 OT: 0 DT: 0 Reason for Travel: ___ Miles to Jobsite: ___ Miles from Jobsite: ___ Travel to Jobsite (start): ___
 Travel to Jobsite (end): ___ Travel from Jobsite (start): ___ Travel from Jobsite (end): ___ Expenses: _____ Equipment Used: _____

STRUCTURAL STEEL WELDING - FIELD
 Performed visual inspection of field welding at the following locations: Per AWS D1.1

1)AFF STEEL
 Completed Installing HSS Mechanical Screen Framing on building A low roof framing plan(S2.01), in between gridlines B.4-G along Grid line 3.5, per Details 9/S4.03,
 2)Ultrasonic Testing not able to be performed on mechanical screen column splices , material thickness is only 1/4" , required thickness for ultrasonic testing is 5/16" .

Work inspected using design drawings and specifications - (Yes RFI# 255)
 Performed material identification per certified mill test reports - (Not Applicable)
 Verified welding to an approved/appropriate weld procedure specification (WPS) - (Yes see attached to 8/3/20 Report picture)
 Verified welder qualifications - (Yes Certs attached)
 Verified electrode used and proper storage of electrode - (Yes)
 Verified flux usage and storage - (Not Applicable)
 Verified proper joint fit-up prior to welding - (Yes Per RFI)
 Verified pre-heat and interpass temperatures as required - (Not Applicable)
 Verified welding for visual acceptance for size and length per approved drawings and applicable codes - (Yes)
 Continuous inspection of multi-pass fillet welds - (Yes)
 Periodic inspection of single-pass welds - (Not Applicable)
 Verified weld access holes and copes meet code



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Daily Field Report

Report No: DFR:W01-20-19571-O1
 Date of Issue: 08/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA 91761 Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA 92866	Project No: 190951.1 Permit No: , LongBeach BNEW223679 OSHPD: DSA File #: DSA AP #:
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Distribution: Jurisdiction:	 Approved Signatory: Hesam Sajed
--	--

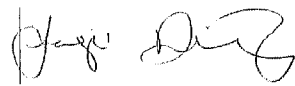
Observations / Remarks (continued)

standards - (Not Applicable)
 Verified that non-destructive testing (UT, MT, PT) was performed per approved drawings and specifications - (Not Applicable)
 Performed non-destructive testing per approved drawings and specifications - (Not Applicable)
 All inspected welds marked "TL" with date and inspector initials as close to weld as possible - (Yes)
 Inspected welds requiring NDT testing have information in the inspection box located near the weld - (Not Applicable)

Welder and certification expiration date(s): Yes attached to 8/3/20 Report



All inspections based on minimum of 4 hours and over 4 hours - 8 hours minimum. If inspector is called to a project and no work is performed, a 2 hour minimum charge will be applied.



Jason Feagin

Sergio Diaz, Inspector/Technician

Remarks: Copy of Long Beach city compliance report for welding performed

Long Beach compliance Report was given /Email to Danny(KEC), to be left in the office for Long Beach city inspector. Also Long Beach Report was email to city of Long Beach

This report will be distributed to architect, engineer, client, and governing jurisdiction (e.g. DSA) as required by applicable codes and project documents.

Certificate of Compliance		
The Work <input checked="" type="checkbox"/> Was <input type="checkbox"/> Was Not inspected in accordance with the requirements of the jurisdiction approved documents	The Work Inspected <input checked="" type="checkbox"/> Met <input type="checkbox"/> Did Not Meet the requirements of the jurisdiction approved documents	Material Sampling was not performed

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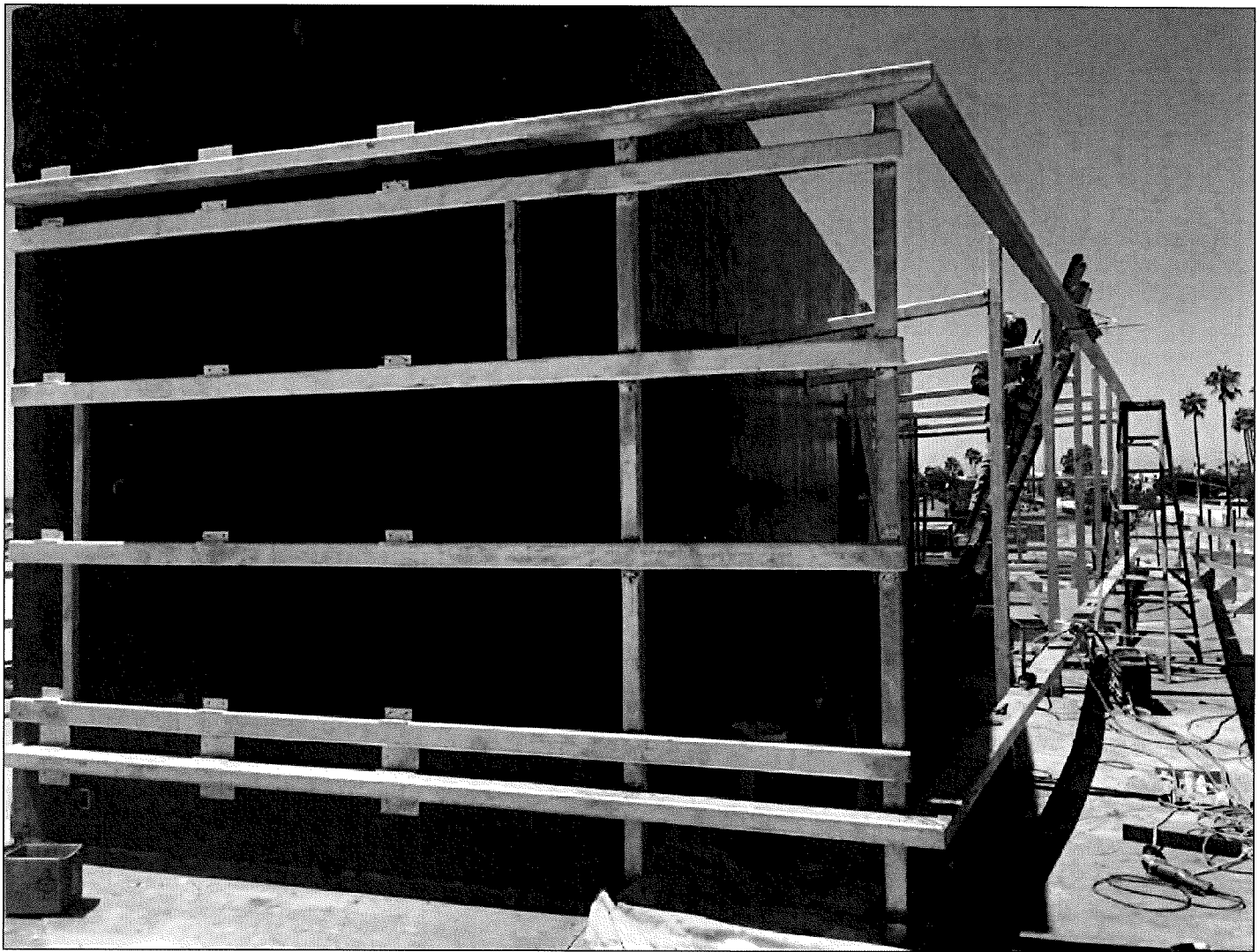
Report No: DFR:W01-20-19571-01
 Date of Issue: 8/10/2020 **Issue No: 1**

Customer: Group Delta Consultants, Inc.
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Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

[Handwritten signature]
 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Completed galvanize frame

Completed galvanize frame



Daily Field Report

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Jurisdiction:
Distribution:

[Handwritten signature]
 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



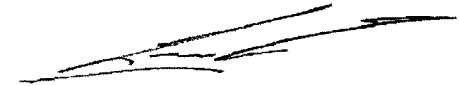
Completed weld and Inspector markings

Completed weld and Inspector markings

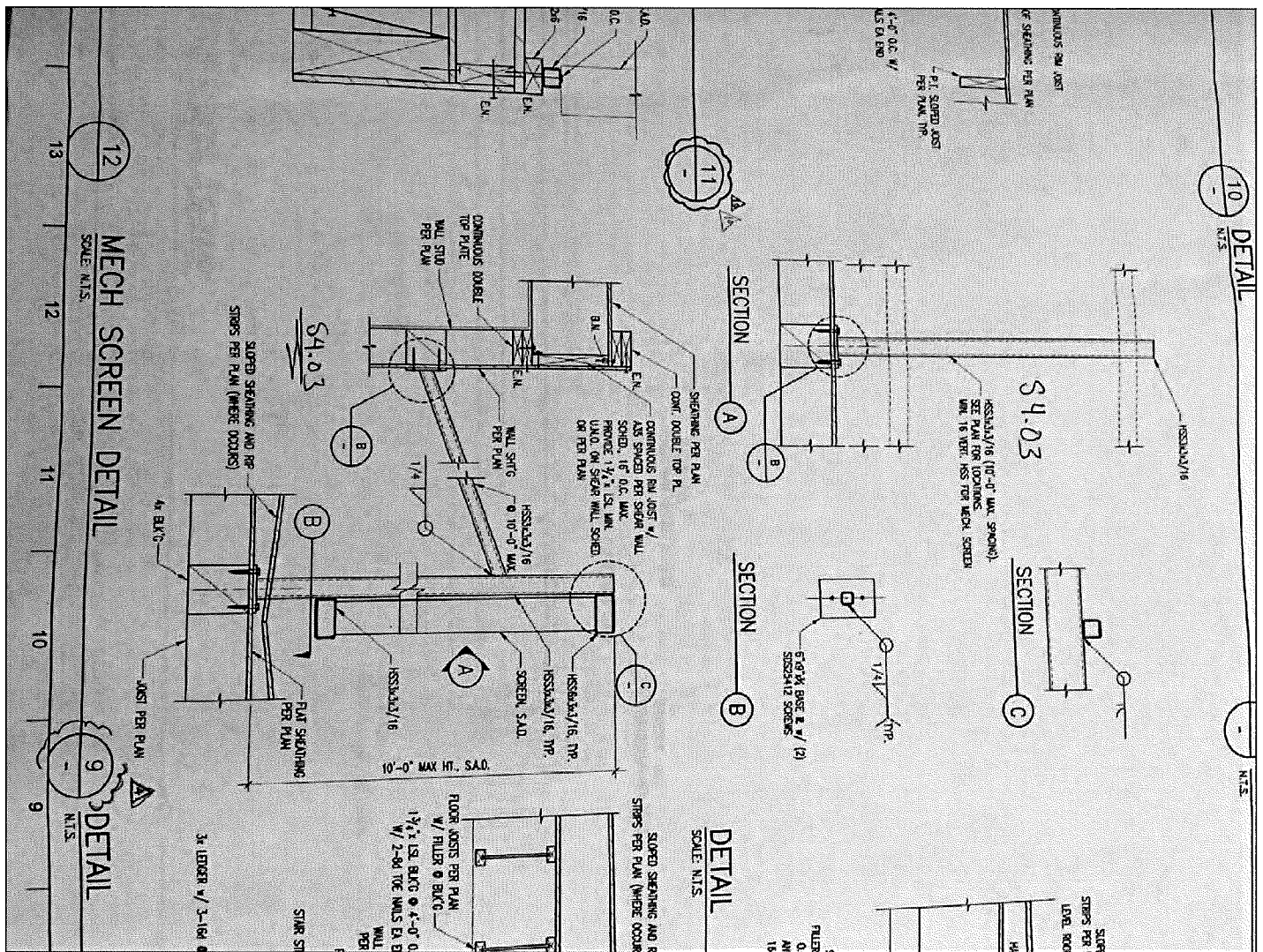


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Customer: Group Delta Consultants, Inc. 4201 Santa Ana Street, Suite F Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project 780 East Shoreline Drive Long Beach, CA, 92866
Jurisdiction:
Distribution:



Welding details

Welding details



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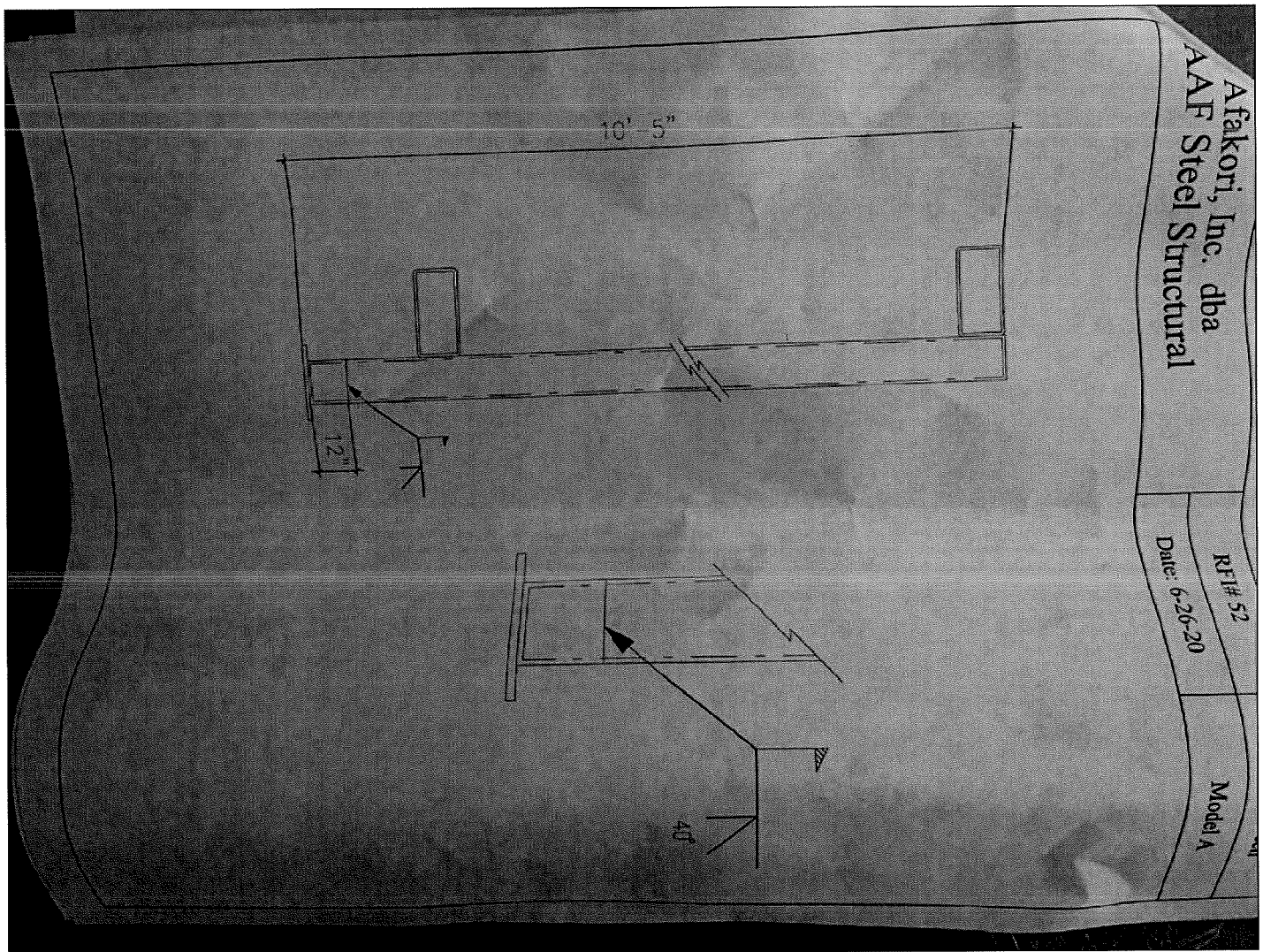
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Jurisdiction:
Distribution:

[Handwritten signature]
 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



RFI#284

RFI#284



Daily Field Report

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 3310 Airport Way, Long Beach, CA 90806
 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Report No: DFR:W01-20-19571-01
 Date of Issue: 8/10/2020 Issue No: 1

Customer: Group Delta Consultants, Inc.
 4201 Santa Ana Street, Suite F
 Ontario, CA, 91761
Project: MT3142-3 Alamitos Beach Concession Building Project
 780 East Shoreline Drive
 Long Beach, CA, 92866

Project No.: 190951.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction:
Distribution:

[Handwritten Signature]
 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)



Registered Deputy Daily Inspection Report and Certificate of Compliance

Department of Development Services | Building & Safety Bureau
 411 W. Ocean Blvd., 2nd Floor, Long Beach, CA 90802
 (562) 570-7648 longbeach.gov/lbds

To: Building Official Date: 8/7/2020

1. Job Address 780 E. Shoreline Dr, Long Beach Project # BNEW223679

2. Piling Footing Reinforcing Steel Concrete Guniting Masonry
 Structural Steel/Welding Seismic Epoxy Other: Mechanical Screen roof

3. Owner City of Long Beach Contractor KEC
 Architect RA-DA Engineer JLA Structural Engineers

4. Job Description: (Type of Building/Construction, etc.) Alamitos Beach concession Building

5. Approximate percentage of deputy work completed: 100%

6. Test (type, number and dates made):
N/A

7. Do plans match work? Yes No
 Are Engineering Changes needed? Yes No
 If yes, explain: _____

8. Welding Inspection - Please record the following:
 Fabricator: AFF Welding Machine: Miller Big Blue 400 pro
 Rod or Wire: FGAW NR232 .072 Certified Welders: Alfredo Torres LA-P037616

9. High Strength Bolts (record specification and sized of bolts/washer used; method of tightening, i.e. Ft. Lbs. Torque/turns applied, etc.):
N/A

10. Give brief description of work inspected this date:
1) Elevator shaft column splices per RFI#255
2) galvanize mechanical HRS Framing at low Roof per
RFI#284 and details on 9/S4.03

I have represented the owner or his agent (other than the contractor). I have had sufficient time to inspect the reinforcing steel prior to placing concrete. I certify that the work listed above was inspected by me and complies with The California Building Code, local codes, and is in compliance with the approved project plans and specifications.

Sergio Diaz *[Signature]* BDEP1113
 Print Name Signature LB Cert



Daily Field Report

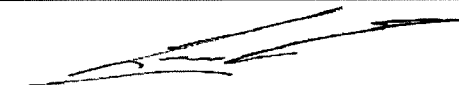
Twining, Inc. - Long Beach Lab
 3310 Airport Way, Long Beach, CA 90806
 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Report No: DFR:W01-20-19571-01
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OSHPD:
DSA File #:
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Jurisdiction:
Distribution:


 Approved Signatory: Hesam Sajed (V.P. Long Beach Operations)

WORK INSPECTED LAST WEEK

	Date	Hours	Work Inspected
Monday	8/3/20	7am - 3:30	AFF COMPLETED at 5x5x3/16 HSS column splices at elevator shaft, per RFI# 255 Two splices total
Tuesday	8/4	7am - 8:00AM	Cancelled
Wednesday	8/5	7am - 3:30	AFF Continued Installing HSS Mechanical Screen Framing on building A low roof framing plan(S2.01), in between gridlines B4-G along Grid line 3.5, per Details 9/S4.03,RFI#284
Thursday	8/6	7am - 3:30	AFF Continued Installing HSS Mechanical Screen Framing on building A low roof framing plan(S2.01), in between gridlines B4-G along Grid line 3.5, per Details 9/S4.03,RFI#284
Friday	8/7	7am - 3:30	AFF Completed Installing HSS Mechanical Screen Framing on building A low roof framing plan(S2.01), in between gridlines B4-G along Grid line 3.5, per Details 9/S4.03,RFI#284
Saturday			

REMARKS Work completed

OUTSTANDING VIOLATIONS None

PCO 89-01

ENGINEERING FEE

RA-DA

Rania Alomar - Design and Architecture
7523 Norton Avenue, West Hollywood, CA 90046
T. 323 851-4040 / F. 810 821-0449 / www.ra-da.com

October 13, 2020

To: Tony Resendez

PROJECT PW8230-1910

PROJECT TITLE: ALAMITOS BEACH CONCESSION BUILDING

BPO #: BPCM15000018

PO #: DPCM16000422

Supplemental Services

Unsupported sill plate design fixes per 09/09/20 field report
Concrete detail SSK-25, wood detail SSK-25A and coordination

JLA	PROJECT MANAGER	2.5 hr x \$195/hr	\$487.50
RA-DA	PRINCIPAL	0.5 hr x \$250/hr	\$125.00
RA-DA	PROJECT MANAGER	1.0 hr x \$200/hr	\$200.00
TOTAL ADDITIONAL FEE:			\$812.50

Sincerely,



Rania Alomar, AIA

Date: 10/13/2020

PCO 89-02

09-09-2020 FIELD REPORT

RA-DA

Rania Alomar Architect, Inc.
7523 Norton Avenue, West Hollywood, CA 90046
T. 323 851-4040 / F. 810 821-0449 / www.ra-da.com

RA-DA Field Notes & Field Representative Report

PROJECT: Alamitos Beach Concession Building
780 E. Shoreline Drive, Long Beach, CA 90802
R-7106

SITE VISIT DATE: Wednesday, 09/09/2020

PARTICIPANTS: Rania Alomar, Catherine Wu (RA-DA)
Keivan Shirali, Danny Nakhoda (KEC)
Dustin Blackwell (Ardurra)
Tony Resendez (City of Long Beach)
Brian Walters (AUS Build)

FIELD NOTES ISSUANCE DATE: 09/10/2020

1. **Building A West Concession Window:**

Soffit on the West concession window is built incorrectly – wood portion (indicated in picture below) should be removed so that soffit height matches the South window per architectural drawings.

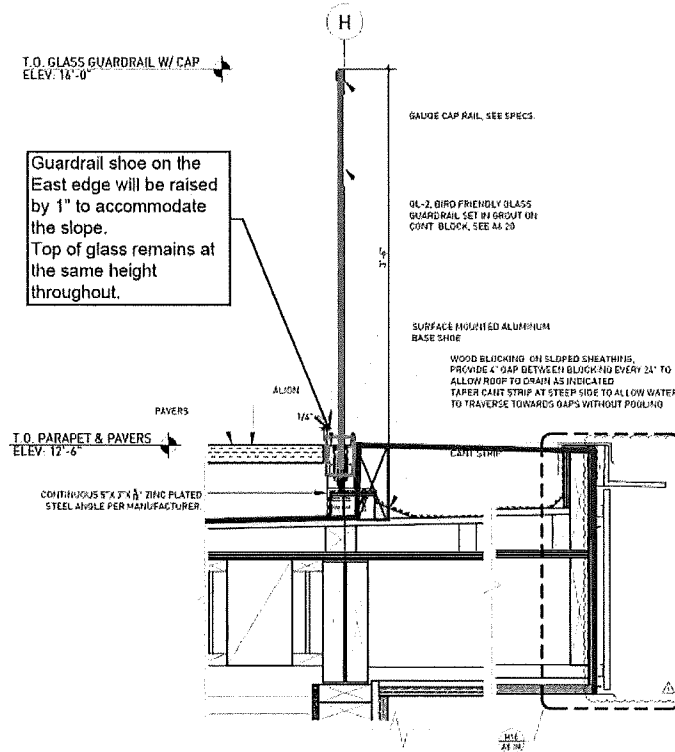


2. **Building A East edge glass railing detail**

See markup below on Detail 16 | A5.07 on as-built condition of the glass railing detail on the East edge.

KEC said that the guardrail shoe on the East edge needs to be raised by 1" to accommodate the slope of the roof. **Top of glass to remain at the same height throughout.**

RA-DA is okay with the condition and will follow up with a revised detail to reflect the as-built condition.



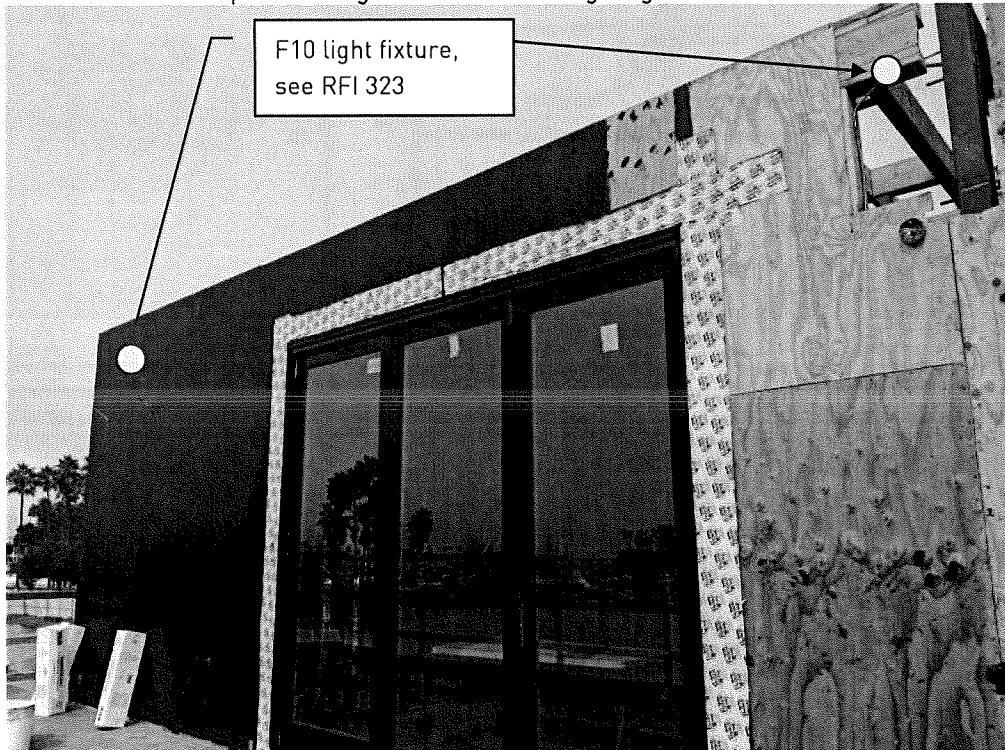
3. Building A glass wall on Grid Line 3:

KEC removed the blocking underneath the steel frame for liquid membrane roofing installation. Note that liquid membrane roofing needs to run over the blocking and steel plate per RFI 328 response.



4. Building A Light on 2F:

Refer to RFI 323 response for light fixtures mounting height



5. Building B – Gate:

RA-DA confirmed that gate frame and metal subframe should be galvanized and painted.

6. Playground - Curb:

KEC confirmed that they will cut the curb at the play mound to match the landscaping detail.

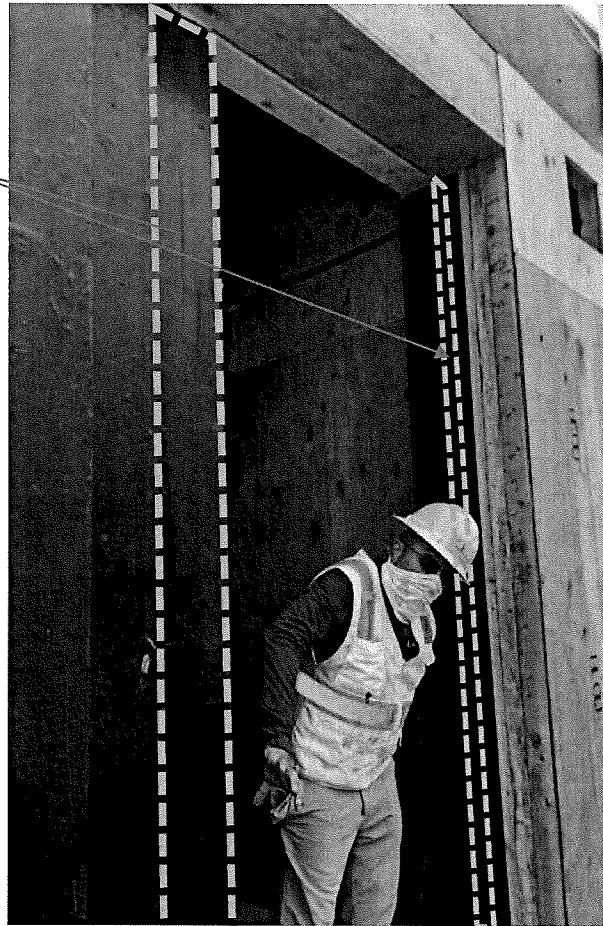
7. **Building A 2F corner detail:**

KEC requested the corner detail showing MTL to HPL material change at the South west corner and South east corner. KEC will issue an RFI to track and RA-DA will respond.

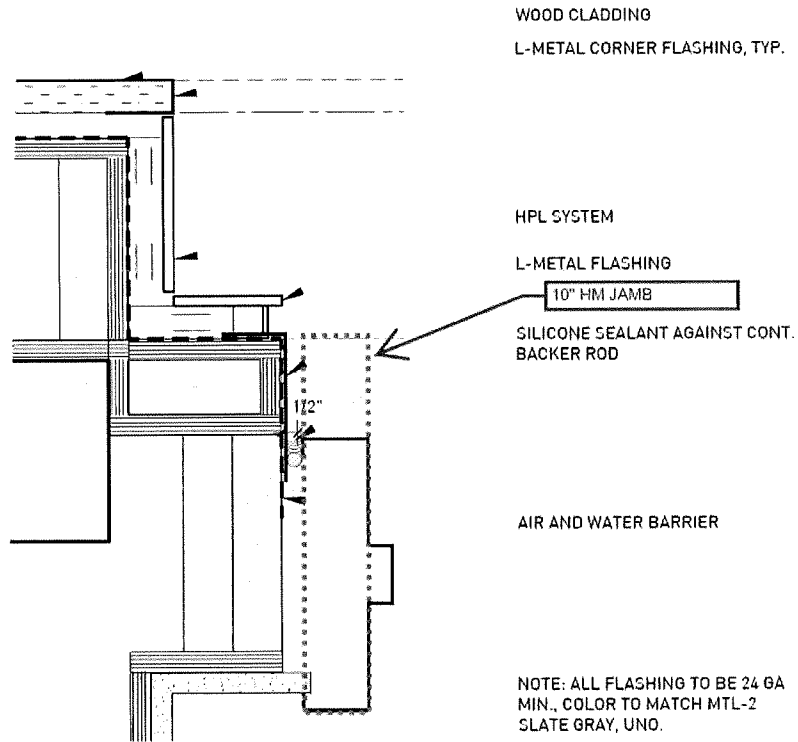
8. **Building A North wall door D109-4**

Team discussed that the walls next to door (outlined below in green) should be furred out per ASK-117 issued in RFI 297 response. And also door at this location – see ASK-119 for detail. It is also acceptable (and preferred) to use a 10" HM jamb at this location to accommodate the thicker wall.

Furred out wall



ASK-119 issued in RFI 297 response



7	A5.11B	HM DOOR JAMB @ HPL DETAIL
: 3" = 1'-0"		Ref: -

A 1 Ave. Wood, CA 90044 .0 BEACH IN BUILDING	DRAWING:	HM DOOR JAMB DETAIL	<h1>ASK-119</h1>
	REF:	F7 A5.11B	
	SCALE:	3" = 1'-0"	RFI 297
DATE:	08/04/20		

Correction Items outstanding

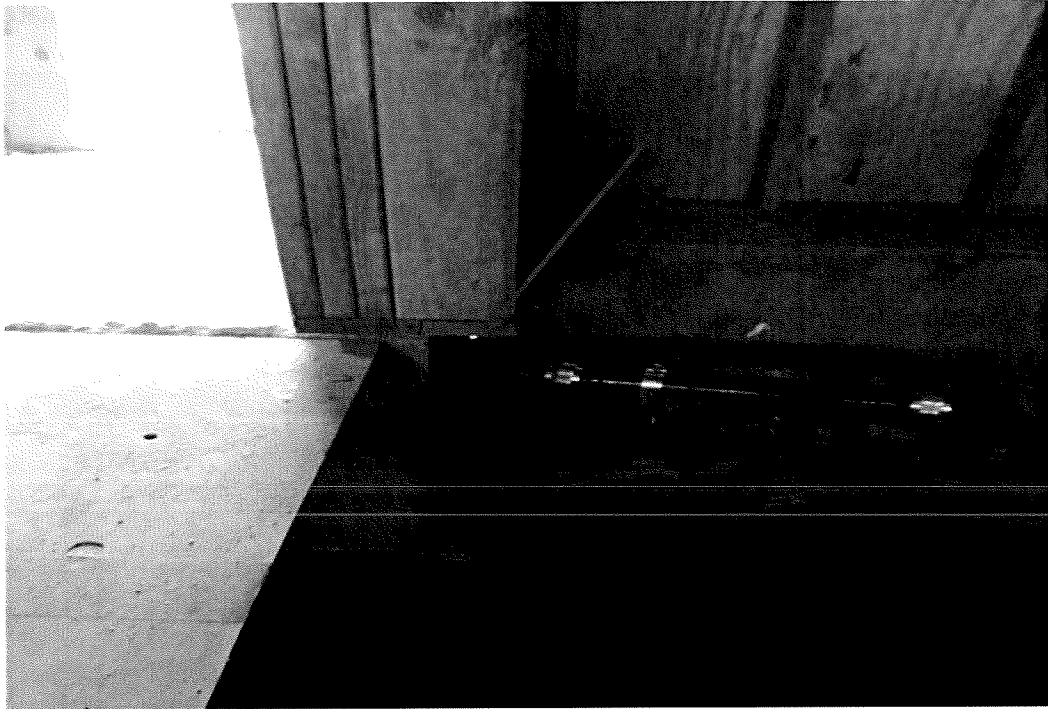
9. Missing anchor bolts within 12" of the ends of the bottom plate splices.
Several sill plates are missing an anchor bolt within 12" of the end of the plate.



Anchor bolt missing



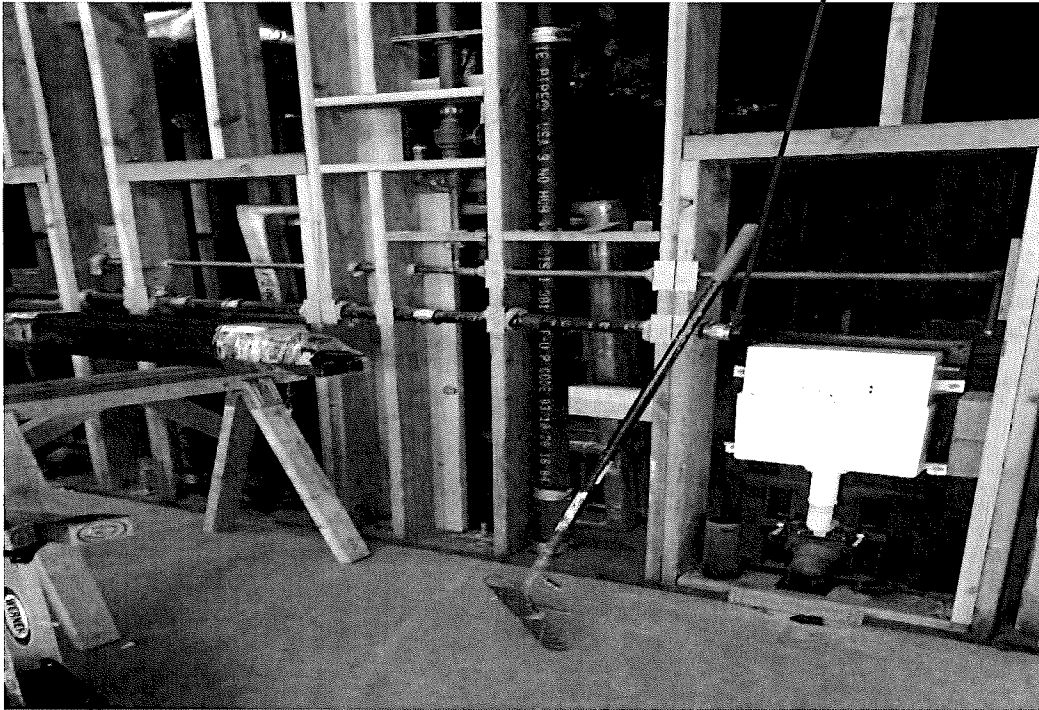
10. The bottom plates "sill plates" in the kitchen require full width support where they over hang the slab edge.



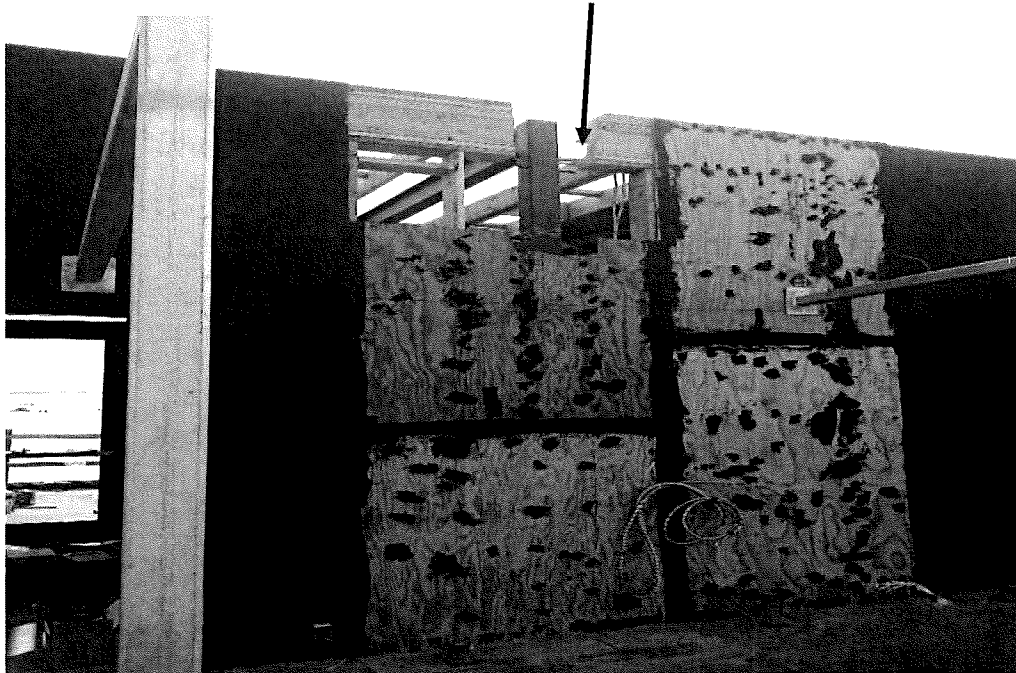
Sill plates unsupported



11. The plumbing vent pipes on the ground floor are not connected to the toilets.



12. The framing repair at the interrupted top plates is outstanding.



13. Earlier in the week there was several outstanding electrical items that required completion. The electricians have been working on the corrections and are currently being rectified.

PCO 90-01

TIME IMPACT ANALYSIS REPORT #3



Disclaimer

The findings, observations, and/or opinions expressed in this review are not intended to direct the Contractor to revise its intended methodology or act as written authorization to amend any part of any of the Contract documents. Any questions or comments regarding this schedule review can be directed to Project Construction Manager. Additionally, the review and rejection or non-rejection of any schedule, or any part of a schedule shall not be construed as a complete review and analysis of the submitted schedule(s). The acceptance of a schedule or not rejecting any part of it does not relieve the Contractor from any requirements in the Contract, nor is the acceptance an authorization to change any terms or conditions of the underlying Contract Specifications without the State's written authorization. The Contractor is respectfully reminded that failure of the Contractor to include any element of the Work within the schedule or any inaccuracy in the schedule will not relieve responsibility for accomplishing the Work in accordance with the Contract documents and within the Contract time. The Contractor is solely responsible for ensuring that all subcontractors and suppliers comply with the requirements of the Contract schedule for their portions of the Work, and that all schedules submitted to the State have been developed after coordination with subcontractors and suppliers.

Executive Summary

DESCRIPTION OF WORK:

The Work to be done consists of the demolition of approximately 2,200 sq.ft. of existing concession/restroom building and replaced with two new buildings 4,240 sq.ft. and 1,322 sq.ft., respectively. Building A is a two-story core and shell café/concession building with roof deck. Building B includes public restrooms, rinse station, and recreational rental facility. Scope also includes an outdoor play area, public promenade, shade structures, wayfinding signage, improvements to the public beach parking lot, and site improvements. Bids are required for the entire Work.

DESCRIPTION OF TIME IMPACT ANALYSIS 3:

1. City's Delay:
 - a. RFI 195, 197, 325
2. Contractor's Delays:
 - a. RFI 147, 182, 255
 - b. Fireline Unauthorized Deviation – Design Revision and Resubmittal for Review
 - c. Plan Check Delay – Sign Deferred Submittal, Fire Sprinkler Monitoring System
 - d. USA Shade PLA Issues – Delay of Procurement

TIME IMPACT ANALYSIS 3 RESULTS:

1. City's Delay RFIs (195, 197, 325) impacted: Revised Contractual Completion Date from TIA1+2 (07/25/2020) – Revised Contractual Completion Date from TIA3 (10/13/2020) = 81 CDs
2. Contractor's Delays (RFIs, Fireline Deviation, Plan Check, USA Shade PLA Issues): Revised Contractual Completion Date from TIA1+2 (07/25/2020) – Revised Contractual Completion Date from TIA3 (11/07/2020) = 106 CDs
3. NON-COMPENSABLE TIME EXTENSION: 07/25/2020 – 10/13/2020 = 81 CDs (Concurrency)
4. Liquidated Damages: 10/13/2020 – 11/07/2020 = 25 CDs x \$3,750 = \$93,750.00
5. The revised contractual completion date from this TIA3 is now 10/13/2020 and the monthly update schedules will be updated accordingly based on this date.

***Please note that the amount of LD is subject to change depending on the actual completion date of the project.**



CONTRACTUAL AND INTERIM MILESTONES:

1. Limited Notice to Proceed (LNTP 1) Issued on; March 12, 2019
2. Notice to Proceed (NTP) Issued on; June 12, 2019
3. Time for Completion; 300 Calendar days from the NTP
4. Contract Completion date = NTP + 300 Calendar days = April 7, 2020
5. TIA1+TIA2 (CCO-02 ASI 5.R2 - Mat Foundation Design Change for Building A+B & Shade Structure) = July 25, 2020
6. TIA3 (RFIs, Plan Check, USA Shade PLA Issues, Fireline Deviation) = October 13, 2020

CONTRACTOR'S MILESTONE IN THEIR ACCEPTED BASELINE SCHEDULE

Type	Activity ID	Activity Name	Start	Finish
Interim Milestone	MILE	LIMITED NOTICE TO PROCEED (LNTP 1) March 12, 2019	12-Mar-19	
Contract Milestone	MILE.2	NOTICE TO PROCEED 2 (NTP2), June 13, 2019 First Day	12-Jun-19	
Interim Milestone	MILE.23	SUBSTANTIAL COMPLETION		5-Mar-20
Interim Milestone	RAIN	RAIN DAY IMPACT ALLOWANCE	8-Mar-20	7-Apr-20
Contract Milestone	MILE.27	FINAL COMPLETION, NTP2+300 CD, April 7, 2020		7-Apr-20

LIQUIDATED DAMAGES (LD'S):

Section 6-9:

The City may assess liquidated damages at the rate of \$3,750 per calendar day that the Contractor exceeds the time of completion, as amended by Change Order.

CITY'S CAUSED OF DELAY TO THE PROJECT:

1. City Delay RFIs

City's caused delay RFIs 195, 197, 325

- RFI 195 – Scramble Concrete Wall Detail
- RFI 197 – Slide Area
- RFI 325 – Additional HVAC Unit for Room 206 in Building A

Schedule Delay Fragnet and Unimpacted:

The following Delay Fragnet was created for this delay analysis

- Unimpacted: Copy of the Owner's May 2020 update that includes all the accurate information up to the data date 05.31.2020.
- Delay Fragnet: TIA3-RFI-195: Scramble Concrete Wall Detail
- Delay Fragnet: TIA3-RFI-197: Slide Area
- Delay Fragnet: TIA3-RFI-325: Additional HVAC Unit for Room 206 in Building A

Apportion the delay appropriately to the responsible party:

Contractor Delay to CPM schedule and Apportioning the delay Responsibility:

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar
ABC R706_May 2020 - Owner Update_Owner Impacted Schedule							
MILESTONES							
CONTRACTUAL MILESTONES (NEW)							
MILE.4	FINAL COMPLETION (ORIG-04.07.20 / REV-07.25.20)	0	0%		13-Oct-20	-81	R1706_7 day
MILE	LIMITED NOTICE TO PROCEED (LNTP 1) March 12, 2019	0	100%	12-Mar-19 A			R1706_7 day
MILE.2	NOTICE TO PROCEED 2 (NTP2), June 13, 2019 First Day	0	100%	12-Jun-19 A			R1706_7 day
RAIN	RAIN DAY IMPACT ALLOWANCE	19	0%	31-May-20	18-Jun-20	36	R1706_7 day
MILE.23	SUBSTANTIAL COMPLETION	0	0%		13-Oct-20	-81	R1706_7 day
TIA3 - OWNER'S IMPACT							
TIA3 - OWNER'S IMPACTED REQUEST FOR INFORMATION							
TIA3-RFI-195	RFI 195 - Scramble Concrete Wall Detail	26	100%	31-Mar-20 A	06-May-20 A		R1706_Grand Prix (4/10-4/20)
TIA3-RFI-197	RFI 197 - Slide Area	17	100%	03-Apr-20 A	06-May-20 A		R1706_Grand Prix (4/10-4/20)
TIA3-RFI-325	RFI 325 - Room 206 Additional HVAC	5	0%	31-Aug-20*	04-Sep-20	-80	R1706_7 day



CONTRACTOR’S CAUSED OF DELAY TO THE PROJECT:

1. Contractor Delay RFIs

Contractor’s caused delay RFIs 147, 182, 255

- RFI 147 – Fireline Unauthorized Deviation
- RFI 182 – Guide Rail and the Post Connection
- RFI 255 – Hoist Beam at Elevator Shaft Building A

Schedule Delay Fragnet and Unimpacted:

The following Delay Fragnet was created for this delay analysis

- Unimpacted: Copy of the Owner’s May 2020 update that includes all the accurate information up to the data date 05.31.2020.
- Delay Fragnet: TIA#3-RFI-147: Fire Service Line 45 Degree Bends
- Delay Fragnet: TIA#3-RFI-182: Guide Rail and the Post Connection
- Delay Fragnet: TIA#3-RFI-255: Hoist Beam at Elevator Shaft Building A

Apportion the delay appropriately to the responsible party:

Contractor Delay to CPM schedule and Apportioning the delay Responsibility:

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar
ABC R706_May 2020 - Owner Update_Contractor Impacted Schedule (Testing)							
MILESTONES							
CONTRACTUAL MILESTONES (NEW)							
MILE.4	FINAL COMPLETION (ORIG-04.07.20 / REV-07.25.20)	0	0%		30-Sep-20	-68	R1706_7 day
MILE	LIMITED NOTICE TO PROCEED (LNTF 1) March 12, 2019	0	100%	12-Mar-19 A			R1706_7 day
MILE.2	NOTICE TO PROCEED 2 (NTP2), June 13, 2019 First Day	0	100%	12-Jun-19 A			R1706_7 day
RAIN	RAIN DAY IMPACT ALLOWANCE	19	0%	31-May-20	18-Jun-20	36	R1706_7 day
MILE.23	SUBSTANTIAL COMPLETION	0	0%		30-Sep-20	-68	R1706_7 day
REQUEST FOR INFORMATION							
Contractor's Delay RFIs							
TIA#3-RFI-147	RFI 147 - Fire Service Line 45 Degree Bends	12	100%	03-Feb-20 A	19-Feb-20 A		R1706_Grand Prix (4/10-4/20)
TIA#3-RFI-182	RFI 182 - Guide Rail and the Post Connection	6	100%	20-Mar-20 A	27-Mar-20 A		R1706_Grand Prix (4/10-4/20)
TIA#3-RFI-255	RFI 255 - Hoist Beam at Elevator Shaft Building A	35	5.71%	28-May-20 A	15-Jul-20	-29	R1706_Grand Prix (4/10-4/20)
Change Management							
REQUEST FOR INFORMATION (RFI)							
RFI-100	RFI 32 - Mat Fnd does not need to be depressed at the plumbing chase	5	100%	03-Aug-19 A	07-Aug-19 A		R1706_7 day
RFI-110	RFI 35 - new detail for steel reinforcement at CMU Wall (Detail 9/S3.02)	10	100%	04-Aug-19 A	07-Aug-19 A		R1706_7 day
RFI-120	RFI 49 - Planter Design for Mat Footing refer to sketch ASK-12	17	100%	25-Aug-19 A	28-Aug-19 A		R1706_7 day
RFI-130	RFI 72 - Thickened Edge for Mat Fnd DELAY	44	100%	10-Oct-19 A	11-Oct-19 A		R1706_7 day
RFI-140	RFI 72 - Thickened Edge for Mat Fnd not required at Building B (Detail 1/S0.52)	9	100%	14-Oct-19 A	19-Oct-19 A		R1706_7 day

2. USA Shade Procurement & Installation Delay

PLA Issue with KEC’s subcontractor to procure and install the shade structure

- USA Shade had PLA issues
- Delayed the procurement, installation, and ultimately the project completion date.

Schedule Delay Fragnet and Unimpacted:

The following Delay Fragnet was created for this delay analysis

- Unimpacted: Copy of the Owner’s May 2020 update that includes all the accurate information up to the data date 05.31.2020.
- Delay Fragnet: TIA#3-SHADE-DELAY: USA-Shade PLA Issues – Delay of Procurement

Apportion the delay appropriately to the responsible party:

Contractor Delay to CPM schedule and Apportioning the delay Responsibility:



Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar
ABC R706_May 2020 - Owner Update_Contractor Impacted Schedule							
MILESTONES							
CONTRACTUAL MILESTONES (NEW)							
MILE.4	FINAL COMPLETION (ORIG-04.07.20 / REV-07.25.20)	0	0%		23-Oct-20	-91	R1706_7 day
MILE	LIMITED NOTICE TO PROCEED (LNTF 1) March 12, 2019	0	100%	12-Mar-19 A			R1706_7 day
MILE.2	NOTICE TO PROCEED 2 (NTP2), June 13, 2019 First Day	0	100%	12-Jun-19 A			R1706_7 day
RAIN	RAIN DAY IMPACT ALLOWANCE	19	0%	31-May-20	18-Jun-20	36	R1706_7 day
MILE.23	SUBSTANTIAL COMPLETION	0	0%		23-Oct-20	-91	R1706_7 day
TIA#3 Delay Fragnet Summary							
TIA#3-SHADE-DELAY-02	TIA#3 USA-Shade PLA issues Delay Finish	0	0%		16-Oct-20	-84	R1706_7 day
TIA#3-SHADE-DELAY-01	TIA#3 USA-Shade PLA issues Delay Start	0	100%	08-May-20 A			R1706_7 day
TIA#3 - Contractor Delay (USA Shade-PLA Issues Delay)							
TIA#3-SHADE-DELAY	USA-Shade PLA Issues - Delay of Procurement	140	5.71%	08-May-20 A	09-Oct-20	-89	R1706_7 day
Change Management							
REQUEST FOR INFORMATION (RFI)							
RFI-100	RFI 32 - Mat Fnd does not need to be depressed at the plumbing chase	5	100%	03-Aug-19 A	07-Aug-19 A		R1706_7 day
RFI-110	RFI 35 - new detail for steel reinforcement at CMU Wall (Detail 9/S3.02)	10	100%	04-Aug-19 A	07-Aug-19 A		R1706_7 day
RFI-120	RFI 49 - Planter Design for Mat Footing refer to sketch ASK-12	17	100%	25-Aug-19 A	28-Aug-19 A		R1706_7 day
RFI-130	RFI 72 - Thickened Edge for Mat Fnd DELAY	44	100%	10-Oct-19 A	11-Oct-19 A		R1706_7 day
RFI-140	RFI 72 - Thickened Edge for Mat Fnd not required at Building B (Detail 1/S0.52)	9	100%	14-Oct-19 A	19-Oct-19 A		R1706_7 day

3. Plan Check Delay for Fire Sprinkler monitoring system and Sign Deferred Submittal

Contractor’s Plan Check Delay

- Fire Sprinkler Monitoring Systems and Sign Deferred Submittal.
- Delayed the procurement, installation, and ultimately the project completion date.

Schedule Delay Fragnet and Unimpacted:

The following Delay Fragnet was created for this delay analysis

- Unimpacted: Copy of the Owner’s May 2020 update that includes all the accurate information up to the data date 05.31.2020.
- Delay Fragnet: TIA#3-PS-1160: PC SUBMITTAL SIGN DEFERRED SUBMITTAL REV.0
- Delay Fragnet: TIA#3-PS-1160.1: PC SUBMITTAL SIGN DEFERRED SUBMITTAL REV.1
- Delay Fragnet: TIA#3-RA-1160: PC REVIEW SUBMITTAL SIGN DEFERRED SUBMITTAL REV.0
- Delay Fragnet: TIA#3-RA-1160.1: PC REVIEW SUBMITTAL SIGN DEFERRED SUBMITTAL REV.1
- Delay Fragnet: TIA#3-PS-2410.1: PC SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS SUBMITTAL REV.1
- Delay Fragnet: TIA#3-PS-2410.2: PC SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS SUBMITTAL REV.2
- Delay Fragnet: TIA#3-RA-2410.1: PC REVIEW SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS SUBMITTAL REV.1
- Delay Fragnet: TIA#3-RA-2410.2: PC REVIEW SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS SUBMITTAL REV.2

Apportion the delay appropriately to the responsible party:

Contractor Delay to CPM schedule and Apportioning the delay Responsibility:



Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar
ABC R706_May 2020 - Owner Update_Contractor Impacted Schedule							
MILESTONES							
CONTRACTUAL MILESTONES (NEW)							
MILE.4	FINAL COMPLETION (ORIG-04.07.20 / REV-07.25.20)	0	0%		07-Nov-20	-106	R1706_7 day
MILE	LIMITED NOTICE TO PROCEED (LNTF 1) March 12, 2019	0	100%	12-Mar-19 A			R1706_7 day
MILE.2	NOTICE TO PROCEED 2 (HTP2), June 13, 2019 First Day	0	100%	12-Jun-19 A			R1706_7 day
RAIN	RAIN DAY IMPACT ALLOWANCE	19	0%	31-May-20	18-Jun-20	36	R1706_7 day
MILE.23	SUBSTANTIAL COMPLETION	0	0%		07-Nov-20	-106	R1706_7 day
TIA#3 Delay Fragnet Summary							
TIA#3-SHADE-DELAY-02	TIA#3 USA-Shade PLA issues Delay Finish	0	0%		16-Oct-20	-84	R1706_7 day
TIA#3-SHADE-DELAY-01	TIA#3 USA-Shade PLA issues Delay Start	0	100%	09-May-20 A			R1706_7 day
TIA#3 - Contractor Delay (Fireline Unauthorized Deviations)							
TIA#3-FIRELINE-DELAY	SUBMITTAL & APPROVAL FOR FIRELINE REVISIONS AS-BUILT DUE TO CONTRACTOR'S UNAUTHORIZED DEVIATIONS REV.0	159	61.64%	03-Mar-20 A	31-Jul-20	-11	KEC_7x24 No Hol
TIA#3 - Contractor Delay (Plan Check)							
TIA#3-PA-2410.1	PC REVIEW SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.1	36	0%	07-Jul-20	12-Aug-20	-61	KEC_7x24 No Hol
TIA#3-PA-2410.2	PC REVIEW SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.2	14	0%	01-Sep-20	15-Sep-20	-61	KEC_7x24 No Hol
TIA#3-PA-1160	PC REVIEW SUBMITTAL SIGN DEFERRED SUBMITTAL REV.0	70	0%	03-Jun-20	12-Aug-20	-109	KEC_7x24 No Hol
TIA#3-PA-1160.1	PC REVIEW SUBMITTAL SIGN DEFERRED SUBMITTAL REV.1	7	0%	01-Sep-20	08-Sep-20	-109	KEC_7x24 No Hol
TIA#3-PS-2410.1	PC SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.1	27	0%	10-Jun-20	07-Jul-20	-61	KEC_7x24 No Hol
TIA#3-PS-2410.2	PC SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.2	20	0%	12-Aug-20	01-Sep-20	-61	KEC_7x24 No Hol
TIA#3-PS-1160	PC SUBMITTAL SIGN DEFERRED SUBMITTAL REV.0	44	93.18%	17-Apr-20 A	03-Jun-20	-109	KEC_7x24 No Hol
TIA#3-PS-1160.1	PC SUBMITTAL SIGN DEFERRED SUBMITTAL REV.1	20	0%	12-Aug-20	01-Sep-20	-109	KEC_7x24 No Hol
TIA#3 - Contractor Delay (USA Shade-PLA Issues Delay)							
TIA#3-SHADE-DELAY	USA-Shade PLA Issues - Delay of Procurement	140	5.71%	08-May-20 A	09-Oct-20	-89	R1706_7 day

4. Fireline Delay

Contractor's Unauthorized Deviation to the Fireline

- Deviation of the Fireline caused the revision of the design for departmental review and approval.
- Departmental review and approval is pre-requisite to initiate the punch-list.

Schedule Delay Fragnet and Unimpacted:

The following Delay Fragnet was created for this delay analysis

- Unimpacted: Copy of the Owner's May 2020 update that includes all the accurate information up to the data date 05.31.2020.
- Delay Fragnet: TIA#3-FIRELINE-DELAY: SUBMITTAL & APPROVAL FOR FIRELINE REVISIONS AS-BUILT DUE TO CONTRACTOR'S UNAUTHORIZED DEVIATIONS REV.0

Apportion the delay appropriately to the responsible party:

Contractor Delay to CPM schedule and Apportioning the delay Responsibility:

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar
TIA#3 Delay Fragnet Summary							
TIA#3 - Contractor's Delay (Fireline Unauthorized Deviations)							
TIA#3-FIRELINE-DELAY	SUBMITTAL & APPROVAL FOR FIRELINE REVISIONS AS-BUILT DUE TO CONF	159	61.64%	03-Mar-20 A	31-Jul-20	-11	KEC_7x24 No Hol

Time Impact Analysis Reference Documentation and Publications:

1. AACE International Recommended Practice No. 52R-06 TIME IMPACT ANALYSIS dated October 19, 2006
2. AACE International Recommended Practice No. 29R-03 FORENSIC SCHEDULE ANALYSIS dated April 11, 2011
3. AACE International Technical Paper CDR.1757 Pacing and Proving Delay Claims dated 2014
4. Contract Documents Plans and Specifications, Volume 1 of 3, Division A through Division F-SWPPP
5. Standard Specifications for Public Works Construction, 2015 Edition, called the Standard Specifications

Independent TIA Analysis:

29R-03: Forensic Schedule Analysis, April 25, 2011

Various approaches to analyzing construction schedule delays have evolved over the years, but no standard method has emerged. AACE International (formerly the Association for the Advancement of Cost Engineering) in its Recommended Practice 29R-03 Forensic Schedule Analysis (2011), sets out basic technical principles and guidelines for CPM scheduling in forensic schedule analysis. The following are the most comment analysis methods used:



1. As-Planned Vs. As-Built Method:
The analyst compares the dates and durations of selected activities shown on the as-planned schedule with the actual dates and durations on an as-built schedule and considers the difference to be the delay on the job.
2. Impacted As-Planned Method
In this method the analyst lists the excusable delays (or delays where time extension is owed to the contractor) and inserts the extended duration to the relevant activities. The analyst reads the revised completion date and calculated the days between this date and the as-planned completion date and determines that these are the number of days owed
3. Collapsed As-Built Or "But For" Method
In this method the analyst takes the actual as-built schedule and takes out the duration of all the excusable delays (delays rightfully owed to the contractor). This revision forms the collapsed as-built schedule. The analyst reads the completion date on the collapsed as-built schedule and considers this date to be the completion date of the project had the contractor not been delayed. The analyst calculates the days between the collapsed as-built and the completion date from the as-built schedule and considers these days to be the days owed to the contractor.
contractor.
4. As-Built Method
This method is used in the absence of reliable schedules on the job. In this case the analyst recreates a schedule based on actual information. The analyst determines the logical ties between the activities to form a retrospective schedule which becomes the basis for analyzing the effect of the delays. Durations are given to the activities based on reasonable time to finish the various activities. The delays are then inserted in the newly created schedule and then compared with the actual as-built durations to calculate the number of delay days.
5. Contemporaneous Method
This is usually the preferred method of analyzing delays. In this method, the analyst takes a look at the schedule and actual site progress on the starting date of each delay, and then inserts the delays in the schedule. The new completion date is compared to the original completion date to determine the delay days. This way the impact of concurrent delays is incorporated, the new critical path reflects reality on site and effect of the delaying causes.
6. Retrospective Time Impact Analysis (RTIA)
measures projected delays at the start of an evaluation period as reflected in CPM schedule updates and calculates additional delay at the end of the project by inserting a fragnet (a network fragment, or a portion of the project schedule that relates to the specific delay) into the evaluation period.

TIA Analysis Section

Unimpacted Schedule:

- A. Unimpacted Schedule for this TIA was created using the City's May 2020 monthly update, with a data date of 05.31.19.

Impacted Schedule:

CPM Delay Analysis Methodology:

The methodology used to create the TIA is in accordance with AACE International Recommended Practice 29R-03 Forensic Schedule Analysis (2011). Since the time extension is based on projected days the analysis method most suitable in this case is:

- Retrospective Time Impact Analysis (RTIA) – measures projected delays at the start of an evaluation period as reflected in CPM schedule updates and calculates additional delay at the end of the project by inserting a fragnet (a network fragment, or a portion of the project schedule that relates to the specific delay) into the evaluation period.
- A copy of the Unimpacted Schedule was used for the TIA fragnets insertion and analysis.



Delay Period caused by the Contractor:

1. **Contractor's Caused Delay RFIs**
 - a. RFI 147: Fire Service Line 45 Degree Bends
 - i. 02/03/2020 ~ 02/19/2020 – From the initial RFI submitted Date to the date of the revision 1 response provided
 - b. RFI 182: Guide Rail and the Post Connection
 - i. 03/20/2020 ~ 03/27/2020 - From the initial RFI submitted Date to the date of the revision 1 response provided
 - c. RFI 255: Hoist Beam at Elevator Shaft Building A
 - i. 05/28/2020 ~ 07/15/2020 -- From the initial RFI submitted Date to the date of the revision 5 response provided
2. Contractor's Caused Delay USA SHADE PLA ISSUES:
 - a. Procurement and Installation Delay for **Shade Structure**
 - i. 05/08/2020 ~ 10/09/2020 – From the planned finish date of procurement to date.
3. Contractor's Caused PLAN CHECK DELAYS:
 - a. The plan check delay period for the **Fire Sprinkler monitoring systems**
 - i. 06/10/2020 ~ 09/15/2020 – From the 1st plan check submission to the approved date which also includes the resubmittals.
 - b. The plan check delay period for the **Sign Deferred Submittal**
 - i. 04/17/2020 ~ 09/08/2020 – From the 1st plan check submission to the approved date which also includes the resubmittals.
4. Contractor's Caused FIRELINE DEVIATION:
 - a. **Revision of Fireline Design submission** for departmental review and approval.
 - i. 03/04/2020 ~ 07/30/2020 – From the actual completion date of Underground Fireline Activity to the approved date.

Delay Period caused by the City:

1. **City's Caused Delay RFIs**
 - a. RFI 195: Scramble Concrete Wall Detail
 - i. 03/31/2020 ~ 05/06/2020 – From the initial RFI submitted Date to the date of the revision 3 response provided
 - b. RFI 197: Slide Area
 - i. 04/03/2020 ~ 05/06/2020 - From the initial RFI submitted Date to the date of the revision 1 response provided
 - c. RFI 325: Additional HVAC Unit for Room 206 in Building A
 - i. 08/31/2020 ~ 09/04/2020 -- From the initial RFI submitted Date to the date of the revision 1 response provided
2. **City Caused Delay HVAC Procurement**
 - a. Procurement & Delivery – Additional HVAC Unit for Room 206 in Building A
 - i. 09/07/2020 ~ 09/18/2020 – From the date that revision 1 response provided to 2 weeks after
3. **City Caused Delay HVAC Installation**
 - a. Installation – Additional HAC Unit for Room 206 in Building A
 - i. 09/21/2020 ~ 09/25/2020 - From the date that procurement and delivery completed to 1 week after

R1706_ Alamitos Beach Concession Building (ABC)
Independent TIA#3 Delay Analysis



Attachments:

Exhibit showing the Unimpacted vs Impacted (Incl. Contractor's Delay Fragnet)

- ABC R706_TIA3_May 2020_Owner Update_DD 05.31.20_Contractor Impacted Schedule - All Activities.PDF
- ABC R706_TIA3_May 2020_Owner Update_DD 05.31.20_Owner Impacted Schedule - All Activities.PDF

PCO 90-02

MAY 2020 OWNER UPDATE -CONTRACTOR IMPACTED SCHEDULE

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar
ABC R706_May 2020 - Owner Update_Contractor Impacted Schedule							
MILESTONES							
CONTRACTUAL MILESTONES (NEW)							
MILE.4	FINAL COMPLETION (ORIG-04.07.20 / REV-07.25.20)	0	0%	07-Nov-20	07-Nov-20	-106	R1706_7 day
MILE.5	LIMITED NOTICE TO PROCEED (LNTP 1) March 12, 2019, 12-Mar-19 A	0	100%	12-Mar-19 A	12-Mar-19 A		R1706_7 day
MILE.2	NOTICE TO PROCEED 2 (NTP2), June 13, 2019 First Day, 12-Jun-19 A	0	100%	12-Jun-19 A	12-Jun-19 A		R1706_7 day
RAIN	RAIN DAY IMPACT ALLOWANCE	19	0%	31-May-20	18-Jun-20	36	R1706_7 day
MILE.23	SUBSTANTIAL COMPLETION	0	0%	07-Nov-20	07-Nov-20	-106	R1706_7 day
REQUEST FOR INFORMATION							
Contractor's Delay RfIs							
TI#43-RFI-147	RFI 147 - Fire Service Line 45 Degree Bends	12	100%	03-Feb-20 A	19-Feb-20 A		R1706_Grand Prix (4/10-4/20)
TI#43-RFI-182	RFI 182 - Guide Rail and the Post Connection	6	100%	20-Mar-20 A	27-Mar-20 A		R1706_Grand Prix (4/10-4/20)
TI#43-RFI-255	RFI 255 - Hoist Beam at Elevator Shaft Building A	35	5.71%	28-May-20 A	15-Jul-20	-29	R1706_Grand Prix (4/10-4/20)
TI#43 Delay Fragnet Summary							
TI#43 - Contractor's Delay (Fireline Unauthorized Deviations)							
TI#43-FIRELINE-DELAY SUBMITTAL & APPROVAL FOR FIRELINE REVISIONS AS-BUILT DUE TO COI							
TI#43 - Contractor's Delay (Plan Check)		159	61.64%	03-Mar-20 A	31-Jul-20	-11	KEC_7x24 No Hol
TI#43-RA-2410.1	PC REVIEW SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.1	36	0%	07-Jul-20	12-Aug-20	-61	KEC_7x24 No Hol
TI#43-RA-2410.2	PC REVIEW SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.2	14	0%	01-Sep-20	15-Sep-20	-61	KEC_7x24 No Hol
TI#43-RA-1160	PC REVIEW SUBMITTAL SIGN DEFERRED SUBMITTAL REV.0	70	0%	03-Jun-20	12-Aug-20	-109	KEC_7x24 No Hol
TI#43-RA-1160.1	PC REVIEW SUBMITTAL SIGN DEFERRED SUBMITTAL REV.1	7	0%	01-Sep-20	08-Sep-20	-109	KEC_7x24 No Hol
TI#43-PS-2410.1	PC SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.1	27	0%	10-Jun-20	07-Jul-20	-61	KEC_7x24 No Hol
TI#43-PS-2410.2	PC SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS REV.2	20	0%	12-Aug-20	01-Sep-20	-61	KEC_7x24 No Hol
TI#43-PS-1160	PC SUBMITTAL SIGN DEFERRED SUBMITTAL REV.0	44	93.18%	17-Apr-20 A	08-Jun-20	-109	KEC_7x24 No Hol
TI#43-PS-1160.1	PC SUBMITTAL SIGN DEFERRED SUBMITTAL REV.1	20	0%	12-Aug-20	01-Sep-20	-109	KEC_7x24 No Hol
TI#43 - Contractor's Delay (USA Shade-PLA Issues Delay)							
TI#43-SHADE-DELAY	USA-Shade PLA Issues - Delay of Procurement	140	5.71%	08-May-20 A	09-Oct-20	-89	R1706_7 day
Change Management							
REQUEST FOR INFORMATION (RFI)							
RFI-100	RFI 32 - Mat Frnd does not need to be depressed at the plumbing chase	5	100%	03-Aug-19 A	07-Aug-19 A		R1706_7 day
RFI-110	RFI 35 - new detail for steel reinforcement at CMU Wall (Detail 9/S3.02)	10	100%	04-Aug-19 A	07-Aug-19 A		R1706_7 day
RFI-120	RFI 49 - Planter Design for Mat Footing refer to sketch ASK-12	17	100%	25-Aug-19 A	28-Aug-19 A		R1706_7 day
RFI-130	RFI 72 - Thickened Edge for Mat Frnd DELAY	44	100%	10-Oct-19 A	11-Oct-19 A		R1706_7 day
RFI-140	RFI 72 - Thickened Edge for Mat Frnd not required at Building B (Detail 1/S0.52)	9	100%	14-Oct-19 A	19-Oct-19 A		R1706_7 day
CONTRACT CHANGE ORDER (CCO)							
CCO-02 BLDG A+B FOUNDATION DESIGN							
CCO#02-1040	CCO-005-RFO - Add Epoxy Coated Rebar in Mat Foundations	1	100%	23-Aug-19 A	23-Aug-19 A		R1706_7 day
CCO#02-1050	CCO-005-RFO - Provide Epoxy Coated Rebar in Mat Foundations	14	100%	23-Aug-19 A	23-Aug-19 A		R1706_7 day
CCO#02-1030	CCO-007-ASI 8.R1 - Added Sand Trap in Building B (P.1.2 for Detail)	19	100%	11-Sep-19 A	16-Sep-19 A		R1706_7 day
CCO#02-1070	CCO-008-ASI 10.R2 - Frnd for Sand Trap in the plumbing chase (Sketch ASK-09)	28	100%	31-Jul-19 A	23-Aug-19 A		R1706_7 day
CCO#02-1000	CCO-01 ASI 5.R2 - changing Mat foundation for both Buildings A and B	28	100%	31-Jul-19 A	23-Aug-19 A		R1706_7 day
CCO#02-1010	CCO-ASI-05 R2 - Release of Mat foundation Buildings A and B	1	100%	23-Aug-19 A	23-Aug-19 A		R1706_7 day
CCO#02-1060	CCO-ASI-05 R2 - Released to the contractor including Mat Frnd changes	1	100%	23-Aug-19 A	23-Aug-19 A		R1706_7 day
CCO#02-1020	CCO-ASI-05 R2 Building A Structural Steel (SS)	28	100%	14-Aug-19 A	23-Aug-19 A		R1706_7 day
GENERAL CONDITIONS/REQS							
SUBMITTALS							

Activity Name: ABC R706_May 2020 - Owner Update_Contractor Impacted Schedule

Run Date: 15-Oct-20 | Data Date: 31-May-20 | Project Start: 07-Jan-19 | Project Finish: 07-Nov-20

Task filter: All Activities

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Actual Work: [Bar] Critical Remaining Work: [Bar] Remaining Level of Effort: [Bar] Actual Level of Effort: [Bar] summary

Actual Work: [Bar] Remaining Work: [Bar] Remaining Level of Effort: [Bar] Actual Level of Effort: [Bar] summary

Activity ID	Activity Name	Calendar				2022											
		Original Duration	Activity % Complete	Start	Finish	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MISCELLANEOUS																	
RA-1160	APPROVE SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.0	15	100%	16-Oct-19 A	07-Nov-19 A												
RA-1160.1	APPROVE SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.1	15	100%	13-Mar-20 A	26-Mar-20 A												
RA-1160.1A	APPROVE SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.1A	15	100%	13-Apr-20 A	19-Apr-20 A												
RA-1160.2	APPROVE SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.2	15	100%	09-Apr-20 A	16-Apr-20 A												
PS-1160	SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.0	10	100%	05-Oct-19 A	15-Oct-19 A												
PS-1160.1	SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.1	10	100%	02-Mar-20 A	12-Mar-20 A												
PS-1160.1A	SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.1A	10	100%	03-Apr-20 A	13-Apr-20 A												
PS-1160.2	SUBMITTAL SPEC 10 ALL SIGNAGE - Rev.2	10	100%	23-Mar-20 A	09-Apr-20 A												
STRUCTURAL STEEL (SS) AND SPEC 05																	
RA-1161	APPROVE SUBMITTAL 061 SPEC 05 SS STAIRS / METAL PAN STAIRS Rev.0	15	0%	09-Jun-20	23-Jun-20												
RA-1160	APPROVE SUBMITTAL SPEC 05 MISC. METALS	21	0%	10-Jun-20	01-Jul-20												
RA-1210	APPROVE SUBMITTAL SPEC 05 MISC. METALS	21	100%	08-Aug-19 A	29-Aug-19 A												
RA-1210.1	APPROVE SUBMITTAL SPEC 05 MISC. METALS - Rev.1	15	100%	18-Dec-19 A	09-Jan-20 A												
RA-1210.2	APPROVE SUBMITTAL SPEC 05 MISC. METALS - Rev.2	7	0%	03-Jul-20	10-Jul-20												
RA-1190	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.0	21	100%	06-Aug-19 A	29-Aug-19 A												
RA-1190.1	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.1	15	100%	01-Jan-20 A	16-Jan-20 A												
RA-1190.2	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.2	15	100%	31-Jan-20 A	03-Feb-20 A												
RA-1190.3	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.3	15	100%	13-Feb-20 A	19-Feb-20 A												
RA-1190.4	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.4	15	100%	15-Feb-20 A	20-Feb-20 A												
PRO-1150	PROCURE SPEC 05 HOT DIP GALVANIZED	11	100%	05-Apr-20 A	06-May-20 A												
PS-1161	SUBMITTAL 061 SPEC 05 SS STAIRS / METAL PAN STAIRS Rev.0	8	0%	31-May-20	06-Jun-20												
PS-1150	SUBMITTAL SPEC 05 MISC. METALS - Rev.0	10	0%	31-May-20	10-Jun-20												
PS-1210	SUBMITTAL SPEC 05 MISC. METALS - Rev.1	10	100%	07-Aug-19 A	07-Aug-19 A												
PS-1210.1	SUBMITTAL SPEC 05 MISC. METALS - Rev.1	10	100%	30-Aug-19 A	17-Dec-19 A												
PS-1210.2	SUBMITTAL SPEC 05 MISC. METALS - Rev.2	33	0%	31-May-20	03-Jul-20												
PS-1190	SUBMITTAL SPEC 05 SS FRAMING - Rev.0	10	100%	07-Aug-19 A	07-Aug-19 A												
PS-1190.1	SUBMITTAL SPEC 05 SS FRAMING - Rev.1	10	100%	30-Aug-19 A	31-Dec-19 A												
PS-1190.2	SUBMITTAL SPEC 05 SS FRAMING - Rev.2	10	100%	17-Jan-20	30-Jan-20												
PS-1190.3	SUBMITTAL SPEC 05 SS FRAMING - Rev.3	10	100%	04-Feb-20 A	12-Feb-20 A												
PS-1190.4	SUBMITTAL SPEC 05 SS FRAMING - Rev.4	10	100%	14-Feb-20 A	14-Feb-20 A												
REBAR																	
RA-2460	APPROVE SUBMITTAL SPEC 03 REBAR - Rev.0	21	100%	18-May-19 A	31-May-19 A												
RA-2460.1	APPROVE SUBMITTAL SPEC 03 REBAR - Rev.1	15	100%	29-Aug-19 A	10-Sep-19 A												
RA-2460.2	APPROVE SUBMITTAL SPEC 03 REBAR - Rev.2	15	100%	02-Oct-19 A	24-Oct-19 A												
RA-2370	APPROVE SUBMITTAL SPEC 07 UNDERSLAB VAPOR RETARDERS	21	100%	12-Jul-19 A	29-Jul-19 A												
PRO-2460	PROCURE SPEC 03 REBAR	5	100%	14-Oct-19 A	16-Oct-19 A												
PS-2460	SUBMITTAL SPEC 03 REBAR - Rev.0	10	100%	17-May-19 A	17-May-19 A												
PS-2460.1	SUBMITTAL SPEC 03 REBAR - Rev.1	10	100%	01-Jun-19 A	29-Aug-19 A												
PS-2460.2	SUBMITTAL SPEC 03 REBAR - Rev.2	10	100%	11-Sep-19 A	01-Oct-19 A												
PS-2370	SUBMITTAL SPEC 07 UNDERSLAB VAPOR RETARDERS	10	100%	11-Jul-19 A	11-Jul-19 A												
ELEVATOR																	
RA-1730	APPROVE SPEC 14 ELEVATOR - Rev.0	21	100%	30-Jul-19 A	14-Aug-19 A												
RA-1730.1	APPROVE SUBMITTAL SPEC 14 ELEVATOR - Rev.1	15	100%	29-Feb-20 A	13-Mar-20 A												
PS-1730-LAG	SUBMITTAL SPEC 14 ELEVATOR (30 day lag with MILE2)	30	100%	12-Jun-19 A	29-Jul-19 A												
PS-1730	SUBMITTAL SPEC 14 ELEVATOR - Rev.0	10	100%	29-Jul-19 A	29-Jul-19 A												
PS-1730.1	SUBMITTAL SPEC 14 ELEVATOR - Rev.1	10	100%	15-Aug-19 A	28-Feb-20 A												
ELECTRICAL																	
RA-2400	APPROVE SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.0	21	100%	13-Jun-19 A	20-Jun-19 A												
RA-2400.1	APPROVE SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.1	15	100%	30-Oct-19 A	07-Nov-19 A												
<div style="display: flex; justify-content: space-between;"> <div>Run Date: 15-Oct-20</div> <div>Project Start : 07-Jan-19</div> <div>Project Finish : 07-Nov-20</div> </div>																	
<div style="display: flex; justify-content: space-between;"> <div>Page 2 of 8</div> <div>TASK filter: All</div> <div>Activities</div> </div>																	
<div style="display: flex; justify-content: space-between;"> <div>Actual Work</div> <div>Remaining Work</div> <div>Actual Level of Effort</div> <div>Summary</div> </div>																	

Activity ID	Activity Name	Calendar				Total Float	Finish	Activity % Complete	Original Duration	Activity
		2019	2020	2021	2022					
RA-2400.2	APPROVE SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.2					09-Mar-20 A	100%	15	KEC_7x24 No Hol	
RA-2400.3	APPROVE SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.3					09-Apr-20 A	100%	15	KEC_7x24 No Hol	
RA-2400.4	APPROVE SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.4					27-Apr-20 A	100%	15	KEC_7x24 No Hol	
RA-2400.5	APPROVE SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.5					01-May-20 A	100%	15	KEC_7x24 No Hol	
PS-2400-LAG	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT (50 day lag with MILE.2)					07-Jun-19 A	100%	50	KEC_7x24 No Hol	
PS-2400	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.0					07-Jun-19 A	100%	10	KEC_7x24 No Hol	
PS-2400.1	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.1					21-Jun-19 A	100%	10	KEC_7x24 No Hol	
PS-2400.2	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.2					29-Oct-19 A	100%	10	KEC_7x24 No Hol	
PS-2400.3	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.3					04-Mar-20 A	100%	10	KEC_7x24 No Hol	
PS-2400.4	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.4					30-Mar-20 A	100%	10	KEC_7x24 No Hol	
PS-2400.5	SUBMITTAL SPEC 26 ELECTRICAL EQUIPMENT - Rev.5					17-Apr-20 A	100%	10	KEC_7x24 No Hol	
						29-Apr-20 A	100%	10	KEC_7x24 No Hol	
FIRE SYSTEM/ALARM										
RA-2430	APPROVE SUBMITTAL SPEC 26 FIRE ALARM - Rev.0					20-Apr-20 A	100%	21	KEC_7x24 No Hol	
RA-2430.1	APPROVE SUBMITTAL SPEC 26 FIRE ALARM - Rev.1					23-Apr-20 A	100%	15	KEC_7x24 No Hol	
RA-2430.2	APPROVE SUBMITTAL SPEC 26 FIRE ALARM - Rev.2					11-May-20 A	100%	15	KEC_7x24 No Hol	
RA-2430.3	APPROVE SUBMITTAL SPEC 26 FIRE ALARM - Rev.3					26-May-20 A	100%	15	KEC_7x24 No Hol	
PS-2410	SUBMITTAL FIRE SPRINKLER MONITORING SYSTEMS					10-Jun-20	0%	10	KEC_7x24 No Hol	
PS-2430-LAG	SUBMITTAL SPEC 26 FIRE ALARM (50 day lag with MILE.2)					12-Jun-19 A	100%	50	KEC_7x24 No Hol	
PS-2430.3	SUBMITTAL SPEC 26 FIRE ALARM - Rev. 3					12-May-20 A	100%	10	KEC_7x24 No Hol	
PS-2430	SUBMITTAL SPEC 26 FIRE ALARM - Rev.0					13-Apr-20 A	100%	10	KEC_7x24 No Hol	
PS-2430.1	SUBMITTAL SPEC 26 FIRE ALARM - Rev.1					22-Apr-20 A	100%	10	KEC_7x24 No Hol	
PS-2430.2	SUBMITTAL SPEC 26 FIRE ALARM - Rev.2					11-May-20 A	100%	10	KEC_7x24 No Hol	
SHADE STRUCTURE										
SHADE-10	P&S (Architect)Rebar Shop Drawings & Calcs (Sub 11)					31-May-19 A	100%	15	R1706_Grand Prix (4/10-4/20)	
SHADE-30	P&S First Submittal for City Plan check					05-Feb-20 A	100%	5	R1706_Grand Prix (4/10-4/20)	
SHADE-60	P&S REV/01 (Architect)Rebar Shop Drawings & Calcs (Sub 123)					11-Dec-19 A	100%	59	R1706_Grand Prix (4/10-4/20)	
SHADE-50	Procure Shade Structure					29-Jun-20	0%	30	R1706_7 day	
SHADE-20	R&A (Architect) Rebar Shop Drawings & Calcs (Sub 11)					30-Jul-19 A	100%	21	R1706_7 day	
SHADE-40	R&A First Submittal to City Plan check					18-Feb-20 A	100%	14	R1706_7 day	
SHADE-70	R&A REV/01 (Architect) Rebar Shop Drawings & Calcs (Sub 123)					31-Dec-19 A	100%	14	R1706_7 day	
SHADE-80	REV/01 P&S First Submittal for City Plan check (Est date)					24-Feb-20 A	100%	10	R1706_Grand Prix (4/10-4/20)	
SHADE-90	REV/01 R&A First Submittal to City Plan check (Est date)					07-Apr-20 A	100%	8	R1706_7 day	
SITE WORK/UTILITY										
RA-2235	APPROVE SUBMITTAL SPEC 33 SANITARY UTILITY					29-Oct-19 A	100%	21	KEC_7x24 No Hol	
PS-2210	APPROVE SUBMITTAL SPEC 33 WATER UTILITY					26-Jun-19 A	100%	21	KEC_7x24 No Hol	
PS-2235	SUBMITTAL SPEC 33 SANITARY UTILITY					21-Oct-19 A	100%	10	KEC_7x24 No Hol	
PS-2210	SUBMITTAL SPEC 33 WATER UTILITY					26-Jun-19 A	100%	10	KEC_7x24 No Hol	
PROCUREMENT										
PRO-1210	PROCURE SPEC 05 MISC. METALS					27-Aug-20	0%	35	R1706_Grand Prix (4/10-4/20)	
PRO-1200	PROCURE SPEC 05 SS FRAMING					24-Feb-20 A	100%	35	R1706_Grand Prix (4/10-4/20)	
PRO-1161	PROCURE SPEC 06 SUBMITTAL 061 - SS STAIRS / METAL PAN STAIRS					29-Jun-20	0%	5	R1706_Grand Prix (4/10-4/20)	
PRO-2370	PROCURE SPEC 07 UNDERSLAB VAPOR RETARDERS					19-Oct-20	0%	7	R1706_Grand Prix (4/10-4/20)	
PRO-1160	PROCURE SPEC 10 ALL SIGNAGE					19-Oct-20	0%	30	R1706_Grand Prix (4/10-4/20)	
PRO-1730	PROCURE SPEC 12 ELEVATOR					07-Aug-20	0%	50	R1706_Grand Prix (4/10-4/20)	
PRO-2400	PROCURE SPEC 26 ELECTRICAL EQUIPMENT					30-Jun-20	26.67%	30	R1706_Grand Prix (4/10-4/20)	
PRO-2430	PROCURE SPEC 26 FIRE ALARM					28-Jun-20	0%	20	R1706_Grand Prix (4/10-4/20)	
PRO-2235	PROCURE SPEC 33 SANITARY UTILITY					31-Jan-20 A	0%	5	R1706_Grand Prix (4/10-4/20)	
PRO-2210	PROCURE SPEC 33 WATER UTILITY					02-Aug-19 A	100%	5	R1706_Grand Prix (4/10-4/20)	
DEMOLITION										

Run Date: 15-Oct-20 Project Start: 07-Jan-19 Actual Work Critical Remaining Work Actual Level of Effort Summary
 Data Date: 31-May-20 Project Finish: 07-Nov-20 Remaining Work Remaining Level of Effort Milestone



Activity ID	Activity Name	Calendar																				
		ABC R1706_May 2020 - Owner Update_Contractor Impacted Schedule																				
		2019					2020					2021		2022								
Original Duration	Activity % Complete	Start	Finish	Total Float																		
D1040	DEMO EQUIPMENT	2	100%	24-Jun-19 A	25-Jun-19 A	R1706_Grand Prix (4/10-4/20)																
D1020	REMOVE BRICK, AC, SIDEWALK, C&G	5	100%	28-Jun-19 A	05-Jul-19 A	R1706_Grand Prix (4/10-4/20)																
D1010	REMOVE EXISTING BUILDING (1 OF 2)	8	100%	12-Jun-19 A	21-Jun-19 A	R1706_Grand Prix (4/10-4/20)																
D1045	REMOVE EXISTING BUILDING (2 OF 2)	8	100%	24-Jun-19 A	03-Jul-19 A	R1706_Grand Prix (4/10-4/20)																
D1015	REMOVE EXISTING FENCE	1	100%	05-Jul-19 A	05-Jul-19 A	R1706_Grand Prix (4/10-4/20)																
D1050	REMOVE EXISTING SEWER AND MANHOLE	5	100%	19-Jun-19 A	25-Jun-19 A	R1706_Grand Prix (4/10-4/20)																
D1030	REMOVE TREES	2	100%	02-Jul-19 A	03-Jul-19 A	R1706_Grand Prix (4/10-4/20)																
D1000	SWPPP	2	100%	12-Jun-19 A	13-Jun-19 A	R1706_Grand Prix (4/10-4/20)																
D1005	UTILITY SET OFF	5	100%	12-Jun-19 A	18-Jun-19 A	R1706_Grand Prix (4/10-4/20)																
BUILDING A																						
A1150	ACOVA WOOD PANELS	4	0%	12-Jun-20	17-Jun-20	-16	R1706_Grand Prix (4/10-4/20)															
A1060	BACKFILL ELEVATOR WALLS	3	100%	03-Mar-20 A	05-Mar-20 A		R1706_Grand Prix (4/10-4/20)															
A1245	BUILDING COMMISSIONING	1	0%	06-Nov-20	07-Nov-20	-106	KEC_7x24 No Hd															
A1310	CLEANUP DUMP FEE	1	100%	07-Jan-20 A	07-Jan-20 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A30	Concrete placed for elevator pit mat foundation	1	100%	22-Nov-19 A	22-Nov-19 A		R1706_Grand Prix (4/10-4/20)															
A1035	CONCRETE PLACEMENT	2	100%	03-Jan-20 A	06-Jan-20 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A50	Concrete placement at Elevator pit stem walls	1	100%	03-Dec-19 A	03-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A70	Concrete placement for kitchen mat foundation	2	100%	10-Dec-19 A	11-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A90	Concrete placement for kitchen stem walls	1	100%	03-Jan-20 A	03-Jan-20 A		R1706_Grand Prix (4/10-4/20)															
A1220	ELEVATOR CAB	5	0%	28-Aug-20	03-Sep-20	-46	R1706_Grand Prix (4/10-4/20)															
A1225	ELEVATOR INSPECTION	4	0%	04-Sep-20	08-Sep-20	-46	R1706_Grand Prix (4/10-4/20)															
A1215	ELEVATOR SET (1 OF 1)	8	0%	10-Aug-20	19-Aug-20	-46	R1706_Grand Prix (4/10-4/20)															
A1360	ELEVATOR SET (2 OF 2)	6	0%	20-Aug-20	27-Aug-20	-46	R1706_Grand Prix (4/10-4/20)															
A1020	ELEVATOR SLAB REBAR/FORMWORK (OD included in TIA fragmet)	3	100%	18-Nov-19 A	22-Nov-19 A		R1706_Grand Prix (4/10-4/20)															
A1040	ELEVATOR WALLS REBAR/FORMWORK	5	100%	02-Jan-20 A	08-Jan-20 A		R1706_Grand Prix (4/10-4/20)															
A1370	EXTERIOR PAINT	7	0%	25-Jun-20	03-Jul-20	5	R1706_Grand Prix (4/10-4/20)															
A1080	FINE GRADE SLAB	2	100%	02-Dec-19 A	03-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A80	Finish placement of rebar for kitchen stem walls	9	100%	13-Dec-19 A	25-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A100	Finish placing rebar & column base plates for steel columns	13	100%	07-Jan-19 A	23-Jan-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A20	Finish rebar placement at Elevator pit	1	100%	21-Oct-19 A	21-Oct-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A40	Finish rebar placement at elevator pit stem walls	4	100%	26-Nov-19 A	03-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
CCO#02-A60	Finish Rebar placement for kitchen mat foundation	4	100%	04-Dec-19 A	09-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
A1210	FIRE ALARM	1	0%	23-Jul-20	23-Jul-20	-12	R1706_Grand Prix (4/10-4/20)															
A1180	FIRE EXTINGUISHER CABINET	1	0%	22-Sep-20	22-Sep-20	-43	R1706_Grand Prix (4/10-4/20)															
A1170	FIRE SPRINKLER HEAD/TEST	5	0%	15-Sep-20	21-Sep-20		R1706_Grand Prix (4/10-4/20)															
A1350	FLUSH AND CHLORINATE	2	0%	08-Jun-20	09-Jun-20	20	R1706_Grand Prix (4/10-4/20)															
A1015	FOUNDATION EXCAVATION	5	100%	16-Oct-19 A	21-Oct-19 A		R1706_Grand Prix (4/10-4/20)															
A1025	FOUNDATION REBAR/FORMWORK	9	100%	04-Dec-19 A	16-Dec-19 A		R1706_Grand Prix (4/10-4/20)															
A1105	FRAME CEILING - FIRST FLOOR OR FLOOR - SECOND FLOOR	7	100%	20-Mar-20 A	20-Apr-20 A		R1706_Grand Prix (4/10-4/20)															
A1115	FRAME ROOF	3	100%	21-May-20 A	26-May-20 A		R1706_Grand Prix (4/10-4/20)															
A1100	FRAME WALLS - FIRST FLOOR	9	100%	25-Feb-20 A	19-Mar-20 A		R1706_Grand Prix (4/10-4/20)															
A1110	FRAME WALLS - SECOND FLOOR	7	100%	21-Apr-20 A	15-May-20 A		R1706_Grand Prix (4/10-4/20)															
A1175	GYPSUM BOARD - INSTALL GYP BOARD (1 OF 2)	5	0%	15-Jun-20	19-Jun-20	-20	R1706_Grand Prix (4/10-4/20)															
A1325	GYPSUM BOARD - TAPE AND MUD (2 OF 2)	10	0%	22-Jun-20	03-Jul-20	-20	R1706_Grand Prix (4/10-4/20)															
A1165	HANGING DOOR FRAME, DOOR, HARDWARE INSTALLATION	5	0%	01-Jul-20	07-Jul-20	13	R1706_Grand Prix (4/10-4/20)															
A1205	HVAC FIXTURES	1	0%	28-Jul-20	28-Jul-20	-18	R1706_Grand Prix (4/10-4/20)															
A1240	HVAC TEST AND BALANCE	2	0%	31-Jul-20	31-Jul-20	-18	R1706_Grand Prix (4/10-4/20)															
A1385	INSPECT FOR POUR	0	100%	25-Nov-19 A			R1706_Grand Prix (4/10-4/20)															
A1390	INSPECT FOR POUR	0	100%	26-Dec-19 A			R1706_Grand Prix (4/10-4/20)															

Project ID: ABC_0520U-TIA3_KEC Impact

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TASK filter: All Activities

Run Date: 15-Oct-20

Data Date: 31-May-20

Project Start: 07-Jan-19

Project Finish: 07-Nov-20

Actual Work (Solid bar)

Remaining Work (Hatched bar)

Critical Remaining Work (Dashed bar)

Remaining Level of Effort (Thin line)

Milestone (Diamond)

Actual Level of Effort (Thick line)

summary (Arrow)

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar																
							2019	2020	2021	2022													
A1395	INSPECT FOR POUR	0	100%	29-Dec-19 A																			
A1405	INSPECT FOR POUR	0	100%	29-Feb-20 A																			
A1410	INSPECT FRAMING	0	0%	05-Jun-20		-20																	
A1125	INSPECT ROOF	4	0%	08-Jun-20		-16																	
A1400	INSPECT STRUCTURAL STEEL	0	100%	19-Mar-20 A																			
A1030	INSTALL BASE PLATE	5	100%	17-Dec-19 A																			
A1145	INSTALL HVAC DUCT	5	0%	12-Jun-20		4																	
A1255	INSTALL HVAC EQUIPMENT	5	0%	12-Jun-20		4																	
A1480	INSTALL PANELBOARDS	5	0%	06-Jul-20		-8																	
A1355	INSTALL RAILING	5	0%	09-Jul-20		-4																	
A1280	INSTALL RTU	4	0%	12-Jun-20		-16																	
A1275	INSULATION	8	0%	24-Jun-20		-11																	
A1005	LAYOUT	1	100%	15-Oct-19 A																			
A1195	LIGHT FIXTURES	2	0%	03-Aug-20		-20																	
A1230	METER SET	2	0%	23-Jul-20		-11																	
A1330	MOVE CONSTRUCTION TEAM INTO RENTAL CENTER	5	100%	24-Jan-20 A																			
A1010	OVER EXCAVATION (1 OF 2)	9	100%	06-Jul-19 A																			
A1320	OVER EXCAVATION (2 OF 2)	9	100%	19-Jul-19 A																			
CCO#02-A10	Over Excavation and Formwork for Rev Frnd Design	10	100%	14-Nov-19 A																			
A1190	PAINT	4	0%	17-Jul-20		-20																	
A1055	PIT WALL WATERPROOFING	3	100%	14-Jan-20 A																			
CCO#02-A110	Place concrete at column bases	1	100%	24-Jan-20 A																			
CCO#02-A130	Place concrete for remaining mat foundation	3	100%	29-Feb-20 A																			
A1095	PLACE CONCRETE SLAB	2	100%	28-Feb-20 A																			
CCO#02-A120	Place rebar for remaining mat foundation	3	100%	26-Feb-20 A																			
A1075	PLUMB AND BOLT UP	5	100%	27-Mar-20 A																			
A1200	PLUMBING FIXTURES	2	0%	23-Jul-20		-16																	
A1155	PROFILING METAL PANELS (1 OF 2)	7	0%	18-Jun-20		-3																	
A1335	PROFILING METAL PANELS (2 OF 2)	7	0%	29-Jun-20		-3																	
A1270	PULL WIRE	3	0%	29-Jul-20		-20																	
A1250	PUNCH LIST	10	0%	26-Oct-20		-76																	
A1080	REBARFORMWORK SLAB	5	100%	07-Apr-20 A																			
A1450	RECONFIGURE NORTH FENCE LINE FOR GRAND PRX	5	100%	03-Feb-20 A																			
A1440	REMOVE CONSTRUCTION TRAILER & RELATED ACTIVITIES	1	100%	27-Jan-20 A																			
A1305	REMOVE FORMS	1	100%	07-Jan-20 A																			
A1280	ROOF MATERIALS (Sloping Roof)	5	0%	01-Jun-20		-16																	
A1120	ROOF SHEATHING	2	100%	20-May-20 A																			
A1130	ROOFING LOAD	1	0%	11-Jun-20		-16																	
A1135	ROUGH ELECTRICAL	5	0%	06-Jun-20		-20																	
A1140	ROUGH PLUMBING	5	0%	26-May-20 A		-20																	
A1085	SET STAIRS	2	0%	30-Jun-20		6																	
A1070	SET STEEL BEAMS	9	100%	25-Feb-20 A																			
A1065	SET STEEL COLUMNS	4	100%	25-Feb-20 A																			
A1295	SIGNAGE	4	0%	20-Oct-20		-76																	
A1380	SKYLIGHTS	5	0%	12-Jun-20		15																	
MILE12	STARTUP AND TESTING	15	0%	09-Sep-20		-63																	
A1160	STOREFRONT WINDOWS (1 OF 2)	7	0%	18-Jun-20		-16																	
A1340	STOREFRONT WINDOWS (2 OF 2)	8	0%	29-Jun-20		-4																	
A1185	SUSPENDED CEILING	4	0%	23-Jul-20		-20																	
A1285	TILE INSTALLATION (1 OF 2)	7	0%	06-Jul-20		-20																	

Run Date: 15-Oct-20 Project Start: 07-Jan-19 Actual Work: ██████ Critical Remaining Work: ██████ Actual Level of Effort: ██████ summary
 Data Date: 31-May-20 Project Finish: 07-Nov-20 Remaining Work: ██████ Remaining Level of Effort: ██████

Activity ID	Activity Name	ABC R706_May 2020 - Owner Update Contractor Impacted Schedule																				
		Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar															
							2019	2020	2021	2022												
SW1090	FORM SEAT WALL	3	0%	03-Jun-20	05-Jun-20	-43																
SW1165	HANDRAIL	2	0%	28-Aug-20	31-Aug-20	-36																
SW1150	IRRIGATION PHASE 2	5	0%	14-Aug-20	20-Aug-20	-33																
SW1155	LANDSCAPE	4	0%	21-Aug-20	26-Aug-20	-33																
SW1105.1	NEW - Gas Line Installation	36	0%	01-Jun-20	20-Jun-20	-48																
SW1205.1	NEW - Remove Silk Tree (2/11/20)	3	100%	10-Feb-20 A	12-Feb-20 A																	
SW1210	NEW - SCE Electrical pad and vault installation	10	0%	01-Jun-20	12-Jun-20	-4																
SW1210-1	PAVEMENT MARKING	2	0%	22-Sep-20	23-Sep-20	-48																
SW1210-LAG	PAVEMENT MARKING (20 day lag with SW1205)	20	0%	25-Aug-20	21-Sep-20	-48																
SW1120	PAVER INSTALLATION	6	0%	06-Aug-20	13-Aug-20	-48																
SW1095	PLACE CONCRETE	1	0%	06-Jun-20	09-Jun-20	-43																
SW1140	PLACE CONCRETE AT FOOTING	2	100%	27-May-20 A	27-May-20 A																	
SW1085	PLACE REBAR AT SEAT WALL	3	0%	03-Jun-20	05-Jun-20	-43																
SW1075	PREP AROUND BUILDING A	5	100%	05-May-20 A	11-May-20 A																	
SW1170	PUNCH WALK AND PUNCH LIST	25	0%	21-Oct-20	27-Oct-20	-67																
SW1100	REMOVE FORMS	43	0%	09-Jun-20	13-Jul-20	-43																
SW1110	SANDBLAST CONCRETE	-14	0%	06-Aug-20	06-Aug-20	-14																
SW1135	SHADE STRUCTURE FOOTING EXCAVATION	5	100%	28-Jan-20 A	29-Jan-20 A																	
COO#02-SW20	Shade Structure Foundation Concrete Placement	1	100%	16-Apr-20 A	17-Apr-20 A																	
COO#02-SW10	Shade Structure Foundation Rebar Placement	2	100%	14-Apr-20 A	15-Apr-20 A																	
SW1130	SIGNAGE	1	0%	20-Oct-20	20-Oct-20	-67																
SW1255	SITE DATA SERVICE	5	0%	08-Jun-20	12-Jun-20	-19																
SW1160	SITE FURNISHINGS	1	0%	17-Aug-20	17-Aug-20	-26																
SW1235	TURF	5	0%	06-Aug-20	12-Aug-20	-40																
CLOSEOUT																						
CO1005	CLOSEOUT DOCUMENTATION/MISC. PUNCH	15	0%	09-Sep-20	24-Sep-20	-62																
CO1010	DEMOBILIZATION	2	0%	26-Oct-20	27-Oct-20	-57																

Project ID: ABC_0520U-TIA3_KEC Impact

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TASK filter: All Activities

Run Date: 15-Oct-20
Data Date: 31-May-20

Project Start: 07-Jan-19
Project Finish: 07-Nov-20

Actual Level of Effort summary

Critical Remaining Work

Remaining Level of Effort

Actual Work

Remaining Work

Actual Level of Effort

Milestone

PCO 90-02

MAY 2020 OWNER UPDATE -OWNER IMPACTED SCHEDULE

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar																		
							2019	2020	2021	2022															
ABC R706 May 2020 - Owner Update - Owner Impacted Schedule							M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
ABC R706 May 2020 - Owner Update - Owner Impacted Schedule							M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
CONTRACTUAL MILESTONES (NEW)																									
MILE.4	FINAL COMPLETION (ORIG-04.07.20 / REV-07.25.20)	0	0%	13-Mar-19 A	13-Oct-20	-81																			
MILE	LIMITED NOTICE TO PROCEED (LINTP 1) March 12, 2019	0	100%	12-Mar-19 A																					
MILE.2	NOTICE TO PROCEED 2 (NTP2), June 13, 2019 First Day	0	100%	12-Jun-19 A																					
RAIN	RAIN DAY IMPACT ALLOWANCE	19	0%	31-May-20	18-Jun-20	36																			
MILE.23	SUBSTANTIAL COMPLETION	0	0%	13-Oct-20		-81																			
TIAS3 - OWNER'S IMPACT																									
TIAS3 - OWNER'S IMPACT REQUEST FOR INFORMATION																									
TIAS3-RFI-195	RFI 195 - Scramble Concrete Wall Detail	26	100%	03-Apr-20 A	05-May-20 A																				
TIAS3-RFI-197	RFI 197 - Slide Area	17	100%	03-Apr-20 A	05-May-20 A																				
TIAS3-RFI-325	RFI 325 - Room 206 Additional HVAC	5	0%	31-Aug-20	04-Sep-20	-80																			
Change Management																									
Request for Information (RFI)																									
RFI-100	RFI 32 - Mat Fnd does not need to be depressed at the plumbing chase	5	100%	03-Aug-19 A	07-Aug-19 A																				
RFI-110	RFI 35 - new detail for steel reinforcement at CMU Wall (Detail 9(S)3.02)	10	100%	04-Aug-19 A	07-Aug-19 A																				
RFI-120	RFI 49 - Planter Design for Mat Footing refer to sketch ASK-12	17	100%	25-Aug-19 A	28-Aug-19 A																				
RFI-130	RFI 72 - Thickened Edge for Mat Fnd DELAY	44	100%	10-Oct-19 A	11-Oct-19 A																				
RFI-140	RFI 72 - Thickened Edge for Mat Fnd not required at Building B (Detail 1(S)0.52)	9	100%	14-Oct-19 A	19-Oct-19 A																				
CONTRACT CHANGE ORDER (CCO)																									
CCO-R02-1040	CCO-005-RFC - Add Epoxy Coated Rebar in Mat Foundations	1	100%	23-Aug-19 A	23-Aug-19 A																				
CCO-R02-1050	CCO-005-RFC - Provide Epoxy Coated Rebar in Mat Foundations	1	100%	23-Aug-19 A	23-Aug-19 A																				
CCO-R02-1030	CCO-007-ASI 8.R1 - Added Sand Trap in Building B (P1.2 for Detail)	14	100%	22-Aug-19 A	10-Sep-19 A																				
CCO-R02-1070	CCO-008-ASI 10.R2 - Fnd for Sand Trap in the plumbing chase (Sketch ASK-09)	19	100%	11-Sep-19 A	16-Sep-19 A																				
CCO-R02-1000	CCO-01 ASI 5.R2 - changing Mat foundation for both Buildings A and B	28	100%	31-Jul-19 A	23-Aug-19 A																				
CCO-R02-1010	CCO-ASI-05 R2 - Redesign of Mat foundation Buildings A and B	28	100%	31-Jul-19 A	23-Aug-19 A																				
CCO-R02-1060	CCO-ASI-05 R2 - Released to the contractor including Mat Fnd changes	1	100%	23-Aug-19 A	23-Aug-19 A																				
CCO-R02-1020	CCO-ASI-05 R2 Building A Structural Steel (SS)	28	100%	14-Aug-19 A	23-Aug-19 A																				
GENERAL CONDITIONS/REQS																									
SUBMITTALS																									
RA-1161	APPROVE SUBMITTAL 061 SPEC 05 SS STAIRS / METAL PAN STAIRS Rev.0	15	0%	08-Jun-20	23-Jun-20	8																			
RA-1150	APPROVE SUBMITTAL SPEC 05 HOT DIP GALVANIZED	21	0%	10-Jun-20	01-Jul-20	9																			
RA-1210	APPROVE SUBMITTAL SPEC 05 MISC. METALS	21	100%	08-Aug-19 A	23-Aug-19 A																				
RA-1210.1	APPROVE SUBMITTAL SPEC 05 MISC. METALS - Rev.1	15	100%	18-Dec-19 A	08-Jan-20 A																				
RA-1210.2	APPROVE SUBMITTAL SPEC 05 MISC. METALS - Rev.2	7	0%	03-Jul-20	10-Jul-20	-51																			
RA-1190	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.0	21	100%	08-Aug-19 A	23-Aug-19 A																				
RA-1190.1	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.1	15	100%	01-Jan-20 A	16-Jan-20 A																				
RA-1190.2	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.2	15	100%	31-Jan-20 A	03-Feb-20 A																				
RA-1190.3	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.3	15	100%	13-Feb-20 A	13-Feb-20 A																				
RA-1190.4	APPROVE SUBMITTAL SPEC 05 SS FRAMING - Rev.4	15	100%	15-Feb-20 A	20-Feb-20 A																				
PRO-1160	PROCURE SPEC 05 HOT DIP GALVANIZED	11	100%	05-Apr-20 A	06-May-20 A																				
PS-1161	SUBMITTAL 061 SPEC 05 SS STAIRS / METAL PAN STAIRS Rev.0	8	0%	31-May-20	06-Jun-20	8																			
PS-1150	SUBMITTAL SPEC 05 HOT DIP GALVANIZED	10	0%	31-May-20	10-Jun-20	9																			
PS-1210	SUBMITTAL SPEC 05 MISC. METALS - Rev.0	10	100%	07-Aug-19 A	07-Aug-19 A																				

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar													
							2019	2020	2021	2022										
SHADE-60	P&S REV01 (Architect) Rebar Shop Drawings & Cals (Sub 123)	59	100%	31-Jul-19 A	11-Dec-19 A	R1706_Grand Prk (4/10-4/20)														
SHADE-50	Procure Shade Structure	30	0%	09-Apr-20 A	29-Jun-20 A	R1706_7 day														
SHADE-20	R&A (Architect) Rebar Shop Drawings & Cals (Sub 11)	21	100%	16-May-19 A	30-Jul-19 A	R1706_7 day														
SHADE-40	R&A First Submittal to City Plan check	14	100%	06-Feb-20 A	18-Feb-20 A	R1706_7 day														
SHADE-70	R&A REV01 (Architect) Rebar Shop Drawings & Cals (Sub 123)	14	100%	12-Dec-19 A	31-Dec-19 A	R1706_7 day														
SHADE-80	REV01 P&S First Submittal for City Plan check (Est date)	10	100%	19-Feb-20 A	24-Feb-20 A	R1706_Grand Prk (4/10-4/20)														
SHADE-90	REV01 R&A First Submittal to City Plan check (Est date)	8	100%	25-Feb-20 A	07-Apr-20 A	R1706_7 day														
SITE WORK/UTILITY																				
RA-2235	APPROVE SUBMITTAL SPEC 33 SANITARY UTILITY	21	100%	22-Oct-19 A	23-Oct-19 A	KEC_7x24 No Hol														
RA-2210	APPROVE SUBMITTAL SPEC 33 WATER UTILITY	21	100%	27-Jun-19 A	28-Jul-19 A	KEC_7x24 No Hol														
PS-2235	SUBMITTAL SPEC 33 SANITARY UTILITY	10	100%	21-Oct-19 A	21-Oct-19 A	KEC_7x24 No Hol														
PS-2210	SUBMITTAL SPEC 33 WATER UTILITY	10	100%	26-Jun-19 A	26-Jun-19 A	KEC_7x24 No Hol														
PROCUREMENT																				
PRO-1210	PROCURE SPEC 05 MISC. METALS	35	0%	10-Jul-20	27-Aug-20	R1706_Grand Prk (4/10-4/20)														
PRO-1200	PROCURE SPEC 05 S&S FRAMING	35	100%	21-Jan-20 A	24-Feb-20 A	R1706_Grand Prk (4/10-4/20)														
PRO-1161	PROCURE SPEC 05 SUBMITTAL 061 - SS STAIRS/METAL PAN STAIRS	5	0%	23-Jun-20	29-Jun-20	R1706_Grand Prk (4/10-4/20)														
PRO-2370	PROCURE SPEC 07 UNDERSLAB VAPOR RETARDERS	7	100%	22-Jul-19 A	31-Dec-19 A	R1706_Grand Prk (4/10-4/20)														
PRO-1730	PROCURE SPEC 12 ELEVATOR	50	0%	20-Mar-20 A	07-Aug-20	-46														
TIAS-PRO-1220	PROCURE SPEC 23 HVAC MECHANICAL	10	0%	07-Sep-20	18-Sep-20	-58														
PRO-2400	PROCURE SPEC 26 ELECTRICAL EQUIPMENT	30	26.67%	06-Jan-20 A	30-Jun-20	-5														
PRO-2430	PROCURE SPEC 26 FIRE ALARM	20	0%	01-Jun-20	25-Jun-20	6														
PRO-2235	PROCURE SPEC 33 SANITARY UTILITY	5	100%	27-Jan-20 A	31-Jan-20 A	R1706_Grand Prk (4/10-4/20)														
PRO-2210	PROCURE SPEC 33 WATER UTILITY	5	100%	29-Jul-19 A	02-Aug-19 A	R1706_Grand Prk (4/10-4/20)														
DEMOLITION																				
D1040	DEMO EQUIPMENT	2	100%	24-Jun-19 A	25-Jun-19 A	R1706_Grand Prk (4/10-4/20)														
D1020	REMOVE BRICK, AC, SIDEWALK, C&G	5	100%	28-Jun-19 A	05-Jul-19 A	R1706_Grand Prk (4/10-4/20)														
D1010	REMOVE EXISTING BUILDING (1 OF 2)	8	100%	12-Jun-19 A	21-Jun-19 A	R1706_Grand Prk (4/10-4/20)														
D1045	REMOVE EXISTING BUILDING (2 OF 2)	8	100%	24-Jun-19 A	03-Jul-19 A	R1706_Grand Prk (4/10-4/20)														
D1015	REMOVE EXISTING FENCE	1	100%	05-Jul-19 A	05-Jul-19 A	R1706_Grand Prk (4/10-4/20)														
D1050	REMOVE EXISTING SEWER AND MANHOLE	5	100%	19-Jun-19 A	25-Jun-19 A	R1706_Grand Prk (4/10-4/20)														
D1030	REMOVE TREES	2	100%	02-Jul-19 A	03-Jul-19 A	R1706_Grand Prk (4/10-4/20)														
D1000	SWPPP	2	100%	12-Jun-19 A	13-Jun-19 A	R1706_Grand Prk (4/10-4/20)														
D1005	UTILITY SET OFF	5	100%	12-Jun-19 A	18-Jun-19 A	R1706_Grand Prk (4/10-4/20)														
BUILDING A																				
A1150	ACOYA WOOD PANELS	4	0%	12-Jun-20	17-Jun-20	-16														
A1060	BACKFILL ELEVATOR WALLS	3	100%	03-Mar-20 A	05-Mar-20 A	R1706_Grand Prk (4/10-4/20)														
A1245	BUILDING COMMISSIONING	1	0%	10-Oct-20	11-Oct-20	-79														
A1310	CLEANUP, DUMP FEE	1	100%	07-Jan-20 A	07-Jan-20 A	R1706_Grand Prk (4/10-4/20)														
CCO#02-A30	Concrete placed for elevator pit mat foundation	1	100%	22-Nov-19 A	22-Nov-19 A	R1706_Grand Prk (4/10-4/20)														
A1035	CONCRETE PLACEMENT	2	100%	03-Jan-20 A	06-Jan-20 A	R1706_Grand Prk (4/10-4/20)														
CCO#02-A50	Concrete placement at Elevator pit stem walls	1	100%	03-Dec-19 A	03-Dec-19 A	R1706_Grand Prk (4/10-4/20)														
CCO#02-A70	Concrete placement for kitchen mat foundation	2	100%	10-Dec-19 A	11-Dec-19 A	R1706_Grand Prk (4/10-4/20)														
CCO#02-A90	Concrete placement for kitchen stem walls	1	100%	03-Jan-20 A	03-Jan-20 A	R1706_Grand Prk (4/10-4/20)														
A1220	ELEVATOR CAB	5	0%	28-Sep-20	03-Sep-20	-46														
A1225	ELEVATOR INSPECTION	4	0%	04-Sep-20	09-Sep-20	-46														
A1215	ELEVATOR SET (1 OF 1)	8	0%	10-Aug-20	19-Aug-20	-46														
A1960	ELEVATOR SET (2 OF 2)	6	0%	20-Aug-20	27-Aug-20	-46														
A1020	ELEVATOR SLAB REBAR/FORMWORK (OD included in TIA fragment)	3	100%	18-Nov-19 A	22-Nov-19 A	R1706_Grand Prk (4/10-4/20)														
A1040	ELEVATOR WALLS REBAR/FORMWORK	5	100%	02-Jan-20 A	08-Jan-20 A	R1706_Grand Prk (4/10-4/20)														

Run Date: 15-Oct-20 Project Start: 07-Jan-19
 Data Date: 31-May-20 Project Finish: 13-Oct-20
Page 3 of 8 TASK filter: All Activities
 Project ID: ABC_0520U-TIA3_CLB Impact
 Legend:
 Actual Work: (Solid black box) Remaining Work: (White box with black border)
 Critical Remaining Work: (Solid black box with diagonal lines) Remaining Level of Effort: (White box with black border)
 Milestone: (Black diamond)
 Summary: (White box with black border)

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar																				
							2019			2020			2021			2022											
A1370	EXTERIOR PAINT	7	0%	25-Jun-20	03-Jul-20	5	M	A	M	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
A1080	FINE GRADE SLAB	2	100%	02-Dec-19 A	03-Dec-19 A																						
COO#02-A80	Finish placement of rebar for kitchen stem walls	9	100%	13-Dec-19 A	26-Dec-19 A																						
COO#02-A100	Finish placing rebar & column base plates for steel columns	13	100%	07-Jan-19 A	23-Jan-19 A																						
COO#02-A20	Finish rebar placement at Elevator pit	1	100%	21-Oct-19 A	21-Oct-19 A																						
COO#02-A40	Finish rebar placement at elevator pit stem walls	4	100%	25-Nov-19 A	03-Dec-19 A																						
COO#02-A60	Finish rebar placement for kitchen mat foundation	4	100%	04-Dec-19 A	09-Dec-19 A																						
A1210	FIRE ALARM	1	0%	23-Jul-20	23-Jul-20	-12																					
A1180	FIRE EXTINGUISHER CABINET	1	0%	08-Jul-20	08-Jul-20	11																					
A1170	FIRE SPRINKLER HEAD/TEST	5	0%	01-Jul-20	07-Jul-20	11																					
A1350	FLUSH AND CHLORINATE	2	0%	08-Jun-20	09-Jun-20	20																					
A1015	FOUNDATION EXCAVATION	5	100%	16-Oct-19 A	21-Oct-19 A																						
A1025	FOUNDATION REBAR/FORMWORK	9	100%	04-Dec-19 A	16-Dec-19 A																						
A1105	FRAME CEILING - FIRST FLOOR OR FLOOR - SECOND FLOOR	7	100%	20-Mar-20 A	20-Apr-20 A																						
A1115	FRAME ROOF	3	100%	21-May-20 A	26-May-20 A																						
A1100	FRAME WALLS - FIRST FLOOR	9	100%	25-Feb-20 A	19-Mar-20 A																						
A1110	FRAME WALLS - SECOND FLOOR	7	100%	21-Apr-20 A	15-May-20 A																						
A1175	GYPSUM BOARD - INSTALL GYP BOARD (1 OF 2)	5	0%	15-Jun-20	19-Jun-20	-20																					
A1325	GYPSUM BOARD - TAPE AND MUD (2 OF 2)	10	0%	22-Jun-20	03-Jul-20	-20																					
A1165	HANGING DOOR FRAME, DOOR, HARDWARE INSTALLATION	5	0%	01-Jul-20	07-Jul-20	11																					
A1205	HVAC FIXTURES	2	0%	29-Jul-20	29-Jul-20	-18																					
A1240	HVAC TEST AND BALANCE	2	0%	30-Jul-20	31-Jul-20	-18																					
A1385	INSPECT FOR POUR	0	100%	25-Nov-19 A																							
A1390	INSPECT FOR POUR	0	100%	26-Dec-19 A																							
A1395	INSPECT FOR POUR	0	100%	23-Dec-19 A																							
A1405	INSPECT FOR POUR	0	100%	29-Feb-20 A																							
A1410	INSPECT FRAMING	0	0%	05-Jun-20		-20																					
A1125	INSPECT ROOF	4	0%	09-Jun-20	11-Jun-20	-16																					
A1400	INSPECT STRUCTURAL STEEL	0	100%	19-Mar-20 A																							
TIAG-HVAC-A1420	INSTALL ADDITIONAL HVAC AT ROOM 206	5	0%	21-Sep-20	23-Sep-20	-58																					
A1090	INSTALL BASE PLATE	5	100%	17-Dec-19 A	23-Dec-19 A																						
A1145	INSTALL HVAC DUCT	5	0%	12-Jun-20	18-Jun-20	4																					
A1255	INSTALL HVAC EQUIPMENT	5	0%	12-Jun-20	18-Jun-20	4																					
A1430	INSTALL PANELBOARDS	5	0%	06-Jul-20	10-Jul-20	-8																					
A1355	INSTALL RAILING	5	0%	09-Jul-20	15-Jul-20	-4																					
A1260	INSTALL RTU	4	0%	12-Jun-20	17-Jun-20	-16																					
A1275	INSULATION	8	0%	24-Jun-20	03-Jul-20	-11																					
A1005	LAYOUT	1	100%	15-Oct-19 A	15-Oct-19 A																						
A1195	LIGHT FIXTURES	2	0%	23-Jul-20	24-Jul-20	-11																					
A1230	METER SET	2	0%	23-Jul-20	24-Jul-20	-11																					
A1330	MOVE CONSTRUCTION TEAM INTO RENTAL CENTER	5	100%	22-Jan-20 A	24-Jan-20 A																						
A1010	OVER EXCAVATION (1 OF 2)	9	100%	08-Jul-19 A	18-Jul-19 A																						
A1320	OVER EXCAVATION (2 OF 2)	9	100%	19-Jul-19 A	31-Jul-19 A																						
COO#02-A10	Over Excavation and Formwork for Rev. Frnd Design	10	100%	14-Nov-19 A	01-Dec-19 A																						
A1190	PAINT	4	0%	17-Jul-20	22-Jul-20	-20																					
A1055	PIT WALL WATERPROOFING	3	100%	14-Jan-20 A	16-Jan-20 A																						
COO#02-A110	Place concrete at column bases	1	100%	24-Jan-20 A	24-Jan-20 A																						
COO#02-A130	Place concrete for remaining mat foundation	3	100%	29-Feb-20 A	29-Feb-20 A																						
A1095	PLACE CONCRETE SLAB	2	100%	28-Feb-20 A	29-Feb-20 A																						
COO#02-A120	Place rebar for remaining mat foundation	3	100%	26-Feb-20 A	28-Feb-20 A																						

Task filter: All
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Actual Work **Critical Remaining Work** **Actual Level of Effort** **summary**
Remaining Work **Remaining Level of Effort** **Milestone**

Run Date: 15-Oct-20 **Project Start:** 07-Jan-19
Data Date: 31-May-20 **Project Finish:** 13-Oct-20

ABC R706_May 2020 - Owner Update - Owner Impacted Schedule

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar																										
							2019	2020	2021	2022																							
A1075	PLUMB AND BOLT UP	5	100%	27-Mar-20 A	28-Mar-20 A																												
A1200	PLUMBING FIXTURES	2	0%	23-Jul-20	24-Jul-20	-16																											
A1155	PROFILED METAL PANELS (1 OF 2)	7	0%	18-Jun-20	26-Jun-20	-16																											
A1335	PROFILED METAL PANELS (2 OF 2)	7	0%	29-Jun-20	07-Jul-20	-3																											
A1270	PULL WIRE	3	0%	29-Jul-20	31-Jul-20	-20																											
A1250	PUNCH LIST	10	0%	29-Sep-20	09-Oct-20	-56																											
A1080	REBARFORWORK SLAB	5	100%	07-Apr-20 A	13-Apr-20 A																												
A1450	RECONFIGURE NORTH FENCE LINE FOR GRAND PRX	5	100%	03-Feb-20 A	05-Feb-20 A																												
A1440	REMOVE CONSTRUCTION TRAILER & RELATED ACTIVITIES	1	100%	27-Jan-20 A	31-Jan-20 A																												
A1305	REMOVE FORMS	1	100%	07-Jan-20 A	07-Jan-20 A																												
A1280	ROOF MATERIALS (Sloping Roof)	5	0%	01-Jun-20	05-Jun-20	-16																											
A1120	ROOF SHEATHING	2	100%	20-May-20 A	21-May-20 A																												
A1130	ROOFING LOAD	1	0%	11-Jun-20	11-Jun-20	-16																											
A1135	ROUGH ELECTRICAL	5	0%	08-Jun-20	12-Jun-20	-20																											
A1140	ROUGH PLUMBING	5	0%	26-May-20 A	05-Jun-20	-20																											
A1085	SET STAIRS	2	0%	30-Jun-20	01-Jul-20	6																											
A1070	SET STEEL BEAMS	9	100%	25-Feb-20 A	27-Feb-20 A																												
A1065	SET STEEL COLUMNS	9	100%	25-Feb-20 A	27-Feb-20 A																												
A1235	SIGNAGE	4	0%	23-Jul-20	28-Jul-20	-13																											
A1380	SKYLIGHTS	5	0%	12-Jun-20	16-Jun-20	15																											
MILE12	STARTUP AND TESTING	15	0%	25-Sep-20	10-Oct-20	-79																											
A1160	STOREFRONT WINDOWS (1 OF 2)	7	0%	18-Jun-20	26-Jun-20	-16																											
A1340	STOREFRONT WINDOWS (2 OF 2)	4	0%	29-Jun-20	08-Jul-20	-4																											
A1285	SUSPENDED CEILING	8	0%	23-Jul-20	29-Jul-20	-20																											
A1185	TILE INSTALLATION (1 OF 2)	7	0%	06-Jul-20	14-Jul-20	-20																											
A1345	TILE INSTALLATION (2 OF 2)	7	0%	15-Jul-20	23-Jul-20	-20																											
A1280	TOILET PARTITIONS, ACCESSORIES	5	0%	27-Jul-20	31-Jul-20	-16																											
A1050	UNDERGROUND IN SLAB ELECTRICAL	3	100%	07-Jan-20 A	09-Jan-20 A																												
A1295	UNDERGROUND IN SLAB PLUMBING (WASTE)	5	100%	07-Jan-20 A	28-Feb-20 A																												
A1045	UNDERGROUND IN SLAB PLUMBING (WATER)	5	100%	07-Jan-20 A	13-Jan-20 A																												
A1300	WALL CONCRETE	1	100%	02-Mar-20 A	02-Mar-20 A																												
A1315	WATER BARRIER	2	100%	03-Dec-19 A	04-Dec-19 A																												
BUILDING B																																	
B1050	CMU LAYOUT - RESTROOM	1	100%	28-Oct-19 A	28-Oct-19 A																												
B1025	CONCRETE FORMWORK	5	100%	17-Oct-19 A	18-Oct-19 A																												
B1165	CURE BROWN COAT - RENTAL	7	100%	02-Apr-20 A	07-Apr-20 A																												
B1155	DOOR INSTALLATION	5	50%	24-Apr-20 A	03-Jun-20	25																											
B1125	DOORS AT BOTH BUILDINGS (1 OF 2)	6	100%	09-Mar-20 A	24-Apr-20 A																												
B1280	DOORS AT BOTH BUILDINGS (2 OF 2)	6	50%	17-Mar-20 A	03-Jun-20	27																											
B1010	EXCAVATE FOOTING	5	100%	14-Oct-19 A	16-Oct-19 A																												
B1175	FINAL CLEANING	3	0%	01-Jul-20	03-Jul-20	5																											
B1170	FINISH COAT - RENTAL	2	100%	02-Apr-20 A	06-Apr-20 A																												
COO#02-B10	Finish rebar placement for mat foundation	1	100%	18-Oct-19 A	18-Oct-19 A																												
B1115	FRAME ROOF - RENTAL	7	100%	16-Dec-19 A	02-Jan-20 A																												
B1245	FRAME WALLS (1 OF 3) - RENTAL	10	100%	08-Nov-19 A	22-Nov-19 A																												
B1245	FRAME WALLS (2 OF 3) - RENTAL	10	100%	08-Nov-19 A	22-Nov-19 A																												
B1250	FRAME WALLS (3 OF 3) - RENTAL	5	100%	18-Nov-19 A	22-Nov-19 A																												
B1280	INSPECT CMU LIST LIFT - RESTROOM	0	100%	15-Nov-19 A	15-Nov-19 A																												
B1285	INSPECT CMU 2ND LIFT - RESTROOM	0	100%	11-Dec-19 A	11-Dec-19 A																												

Run Date: 15-Oct-20
 Data Date: 31-May-20
 Project Start: 07-Jan-19
 Project Finish: 13-Oct-20

Project ID: ABC_0520U-TIA3_CLB Impact

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Actual Work [Green Bar] Remaining Work [Red Bar] Critical Remaining Work [Yellow Bar] Remaining Level of Effort [Grey Bar] Actual Level of Effort [Grey Bar]

Milestone [Diamond]

summary

Activity ID	Activity Name	ABC R706 May 2020 - Owner Update - Owner Impacted Schedule			Calendar																									
		Original Duration	Activity % Complete	Start	Finish	Total Float	2019			2020			2021			2022														
B1275	INSPECT FOR POUR	0	100%	21-Oct-19 A																										
B1290	INSPECT FOR POUR	0	100%	04-Feb-20 A																										
B1295	INSPECT ROOF	0	0%	01-Jun-20																										
B1080	INSTALL DOOR FRAMES - BOTH BUILDINGS	5	0%	09-Dec-19 A																										
B1075	INSTALL ELECTRICAL CONDUIT - BOTH	8	100%	12-Dec-19 A																										
B1160	LATH AND PLASTER AT CEILING - RENTAL	7	100%	02-Mar-20 A																										
B1005	LAYOUT	1	100%	07-Oct-19 A																										
B1200	LIGHTING FIXTURES	5	0%	24-Jun-20																										
CC0#02-B20	Mat Foundation concrete placed	1	100%	22-Oct-19 A																										
B1145	METAL PANELS (1 OF 2) - RENTAL	9	0%	01-Jun-20																										
B1265	METAL PANELS (2 OF 2) - RENTAL	8	0%	12-Jun-20																										
B1000	OVER EXCAVATION (1 OF 2)	6	100%	08-Jul-19 A																										
B1235	OVER EXCAVATION (2 OF 2)	6	100%	23-Jul-19 A																										
B1150	PAINT AND ANTI-GRAFFITI	5	100%	04-May-20 A																										
B1070	PLACE ANCHORS - RESTROOM	5	100%	12-Dec-19 A																										
B1055	PLACE CMU FIRST LIFT (1 OF 2) - RESTROOM	8	100%	28-Oct-19 A																										
B1240	PLACE CMU FIRST LIFT (2 OF 2) - RESTROOM	7	100%	08-Nov-19 A																										
B1085	PLACE CMU SECOND LIFT (1 OF 1) - RESTROOM	8	100%	19-Nov-19 A																										
B1270	PLACE CMU SECOND LIFT (2 OF 2) - RESTROOM	7	100%	03-Dec-19 A																										
B1095	PLACE CONCRETE	1	100%	22-Oct-19 A																										
B1135	PLACE CONCRETE - BOTH BUILDINGS	3	100%	07-Aug-19 A																										
B1060	PLACE GROUT AND REBAR FIRST LIFT - RESTROOM	2	100%	04-Nov-19 A																										
B1085	PLACE GROUT AND REBAR SECOND LIFT - RESTROOM	2	100%	19-Dec-19 A																										
B1205	PLUMBING FIXTURES - RESTROOM	7	100%	24-Mar-20 A																										
B1195	PULL WIRE	5	100%	30-Mar-20 A																										
B1180	PUNCH LIST	10	0%	06-Jul-20																										
B1030	REBAR	5	100%	17-Oct-19 A																										
B1130	REBAR AT BOTH BUILDINGS	5	100%	29-Jan-20 A																										
B1040	REMOVE FORMS	2	100%	25-Oct-19 A																										
B1100	ROOF MATERIALS - RESTROOM	3	100%	24-Feb-20 A																										
B1120	ROOF MATERIALS - RESTROOM	5	100%	24-Feb-20 A																										
B1185	ROUGH PLUMBING - RESTROOM	8	100%	02-Jan-20 A																										
B1300	TESTING	2	0%	01-Jul-20																										
B1215	TOILET PARTITIONS, ACCESSORIES	5	0%	01-Jun-20																										
B1015	UNDERGROUND ELECTRICAL	5	100%	07-Oct-19 A																										
B1020	UNDERGROUND WASTE LINES	5	100%	07-Oct-19 A																										
B1090	WOOD FRAMING (1 OF 2) - RESTROOM	10	100%	23-Dec-19 A																										
B1255	WOOD FRAMING (2 OF 2) - RESTROOM	9	100%	15-Jan-20 A																										
B1095	WOOD SHEATHING - RESTROOM	5	100%	29-Jan-20 A																										
SITINGWORK - PHASE 1																														
SW1030	AUGER CAGES FOR LIGHT FIXTURES	5	0%	01-Jun-20																										
SW1050	BUILD THE HILL WITH BASE	5	0%	07-May-20 A																										
SW1230	ELECTRICAL CHARGING STATION	10	0%	28-Jul-20																										
SW1040	FLATWORK FROM GL 5.5 TO GL 16 ON SHEET L1.1 (1 OF 3)	10	0%	16-Jun-20																										
SW1185	FLATWORK FROM GL 5.5 TO GL 16 ON SHEET L1.1 (2 OF 3)	10	0%	30-Jun-20																										
SW1190	FLATWORK FROM GL 5.5 TO GL 16 ON SHEET L1.1 (3 OF 3)	10	0%	14-Jul-20																										
SW1240	INSTALL GREASE TRAP INTERCEPTOR	5	100%	18-Feb-20 A																										
SW1070	LANDSCAPE, IRRIGATION	5	0%	28-Jul-20																										

Activity ID	Activity Name	Calendar											
		2019			2020			2021			2022		
Original Duration	Activity % Complete	Start	Finish	Total Float	2019	2020	2021	2022	2019	2020	2021	2022	
SW1045	LIGHT SANDBLAST	2	0%	28-Jul-20	28-Jul-20	-8							
SW1050	NEW SEWER LINE	5	100%	11-Dec-19 A	23-Dec-19 A								
SW1055	PLACE CONCRETE ON THE HILL	2	0%	14-May-20 A	05-Jun-20	15							
SW1060	PLACE EQUIPMENT ON THE PLAYGROUND	5	0%	03-Jun-20	09-Jun-20	15							
SW1065	PLACE TEMPLATE AND CONCRETE AT LIGHT POST	1	0%	08-Jun-20	08-Jun-20	-33							
SW1065	RUBBERIZED SURFACE	5	0%	10-Jun-20	16-Jun-20	15							
SW1220	SITE LIGHT FIXTURES	5	0%	09-Jun-20	15-Jun-20	-33							
SW1015	STORM DRAIN (1 OF 2)	10	100%	11-Dec-19 A	05-Mar-20 A								
SW1180	STORM DRAIN (2 OF 2)	8	100%	03-Mar-20 A	12-Mar-20 A								
SW1010	TIE-IN UNDERGROUND ELECTRICAL	6	100%	11-Dec-19 A	18-Dec-19 A								
SW1175	TIE-IN UNDERGROUND ELECTRICAL (2 OF 2)	6	100%	19-Dec-19 A	10-Feb-20 A								
SW1005	TIE-IN UNDERGROUND SEWER TO BLDG A AND BLDG B	10	100%	29-Oct-19 A	10-Dec-19 A								
SW1000	TIE-IN UNDERGROUND WATER TO BLDG A AND BLDG B	10	100%	09-Dec-19 A	20-Dec-19 A								
SW1025	UNDERGROUND FIRE WATER	5	100%	16-Dec-19 A	04-Mar-20 A								
SW1020	UNDERGROUND SITE LIGHTING	5	100%	13-Feb-20 A	19-Feb-20 A								
SITENWORK - PHASE 2													
SW1205	AC PAVING	7	0%	14-Aug-20	24-Aug-20	-48							
SW1145	ASSEMBLE SHADE STRUCTURE	5	0%	01-Sep-20	07-Sep-20	-56							
SW1125	BIKE RACK INSTALLATION	1	0%	17-Aug-20	17-Aug-20	-21							
SW1115	COLOR CONCRETE	3	0%	05-Aug-20	10-Aug-20	-16							
SW1245	ELECTRICAL SERVICE	5	0%	15-May-20 A	05-Jun-20	-19							
SW1080	EXCAVATION - SEAT WALL AND RAMP WALL	2	0%	12-May-20 A	02-Jun-20	-43							
SW1105	FLATWORK NATURAL COLOR (1 OF 2)	6	0%	21-Jul-20	28-Jul-20	-48							
SW1195	FLATWORK NATURAL COLOR (2 OF 2)	3	0%	29-Jul-20	05-Aug-20	-48							
SW1090	FORM SEAT WALL	3	0%	03-Jun-20	05-Jun-20	-43							
SW1165	HANDRAIL	2	0%	28-Aug-20	31-Aug-20	-56							
SW1150	IRRIGATION PHASE 2	5	0%	14-Aug-20	20-Aug-20	-33							
SW1155	LANDSCAPE	4	0%	21-Aug-20	26-Aug-20	-33							
SW1105.1	NEW - Gas Line Installation	36	0%	01-Jun-20	20-Jul-20	-48							
SW1155.1	NEW - Remove Silk Tree (2/11/20)	3	100%	10-Feb-20 A	12-Feb-20 A								
SW1205.1	NEW - SCE Electrical pad and vault installation	10	0%	01-Jun-20	12-Jun-20	-4							
SW1210	PAVEMENT MARKING	2	0%	22-Sep-20	23-Sep-20	-48							
SW1210-LAG	PAVEMENT MARKING (20 day lag with SW1205)	2	0%	06-Aug-20	13-Aug-20	-48							
SW1120	PAVER INSTALLATION	6	0%	06-Aug-20	13-Aug-20	-48							
SW1095	PLACE CONCRETE	1	0%	08-Jun-20	08-Jun-20	-43							
SW1140	PLACE CONCRETE FOOTING	2	100%	27-May-20 A	27-May-20 A								
SW1085	PLACE REBAR AT SEAT WALL	3	0%	03-Jun-20	05-Jun-20	-43							
SW1075	PREP AROUND BUILDING A	5	100%	05-May-20 A	11-May-20 A								
SW1170	PUNCH WALK AND PUNCH LIST	5	0%	24-Sep-20	30-Sep-20	-48							
SW1100	REMOVE FORMS	25	0%	09-Jun-20	13-Jul-20	-43							
SW1110	SANDBLAST CONCRETE	1	0%	08-Aug-20	06-Aug-20	-14							
SW1135	SHADE STRUCTURE FOOTING EXCAVATION	5	100%	28-Jan-20 A	28-Jan-20 A								
CCOR02-SW20	Shade Structure Foundation Concrete Placement	1	100%	16-Apr-20 A	17-Apr-20 A								
CCOR02-SW10	Shade Structure Foundation Rebar Placement	2	100%	14-Apr-20 A	15-Apr-20 A								
SW1130	SIGNAGE	1	0%	17-Aug-20	17-Aug-20	-21							
SW1255	SITE DATA SERVICE	5	0%	08-Jun-20	12-Jun-20	19							
SW1180	SITE FURNISHINGS	1	0%	17-Aug-20	17-Aug-20	-26							
SW1235	TURF	5	0%	06-Aug-20	12-Aug-20	-40							
CLOSEOUT													

Actual Work
 Remaining Work
 Critical Remaining Work
 Remaining Level of Effort
 Actual Level of Effort
 Milestone

Run Date: 15-Oct-20 Project Start : 07-Jan-19 summary
 Data Date: 31-May-20 Project Finish : 13-Oct-20

Page 7 of 8 TASK filter: All Activities

ABC R706 May 2020 - Owner Update_Owner Impacted Schedule

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Total Float	Calendar																																	
							2019	2020	2021	2022																														
CO1005	CLOSEOUT DOCUMENTATION/MISC. PUNCH	15	0%	25-Sep-20	10-Oct-20	-79	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
CO1010	DEMObILIZATION	2	0%	12-Oct-20	13-Oct-20	-57																																		

REC_7x24 No Hol
R1706_Grand Ptk (4/10-4/20)

Project ID: ABC_0520U-TIA3_CLB Impact Page 8 of 8

TASK filter: All Activities

Run Date: 15-Oct-20
Data Date: 31-May-20

Project Start: 07-Jan-19
Project Finish: 13-Oct-20

summary

Actual Work Remaining Work

Actual Level of Effort Remaining Level of Effort

Milestone