



SCHOOL

DISTRICT

EDUCATING LEARNERS FOR THE 21 ST CENTURY

SPECIAL BOARD MEETING

APRIL 11, 2018

Office of Student and Family Services
3300 Cortez Street
Oxnard, CA 93036

JOHN D. PUGLISI, Ph.D.
Superintendent

Board of Education
Felix Eisenhauer, DMA, President
Eleanor Torres, Clerk
Joe Esquivel
Ramon Rodriguez
Edith Martinez-Cortes

2.0



**Wednesday, April 11, 2018
RSD Special Board Meeting**

**Office of Student and Family Services
3300 Cortez Street
Oxnard, CA 93036
Closed Session: 6:00 p.m.
Open Session: 7:00 p.m.**

1. Preliminary Business-6:00 p.m.

- 1.1 Call to Order-6:00 p.m
- 1.2 Pledge of Allegiance
- 1.3 Roll Call

2. Approval of the Agenda

- 2.1 Agenda corrections, additions, and modifications.
- 2.2 Approval of the Agenda

3. Closed Session 6:00 p.m.

- 3.1 Public Employee Appointment [Government Code 54957] Title: Principal
- 3.2 Conference with Real Property Negotiators, pursuant to Government Code §54956.8. Property: the El Rio School site, 2714 E. Vineyard Avenue, Oxnard, CA 93036 Agency negotiators: Dr. John Puglisi, District Superintendent, and Joel Kirschenstein, consultant Negotiating parties: David Basel of 2714 E. Vineyard Avenue, LLC, an Idaho limited liability company Under negotiation: price and terms of payment
- 3.3 Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9(d)(1) Name of Case and Case No.: Rio School District v. Negele & Associates, Santa Barbara Superior Court Case No. 16CV04043 (previously identified by Ventura County Superior Court Case No. 56-2016-00480450-CU-PN-VTA)

4. Communications

- 4.1 Superintendent's Report
- 4.2 Public Comment Procedures for receiving communication from the public on topics that fall under the subject jurisdiction of the Governing Board. 1. Special Board Meeting - A member of the public may address the Governing Board on any item(s) on the agenda. (Each person speaking may not exceed a total of three minutes on each item). The speaker may choose to speak during public comment or at the time of the agenda item prior to board consideration. These presentations are limited to three minutes or a total of twenty minutes.

5. Discussion/Action

- 5.1 Approval of Change Order for Center Glass for added items to the STEAM project.
- 5.2 Approval of Change Orders for Taft Electric as outlined below.
- 5.3 2018 Local District Facilities Update and GO Bond, and potential District General Obligation Bond for November 2018.
- 5.4 Review the Results of the GO bond survey and Accept the facility program needs of the District.

5.5 Authorize staff, consultants and legal counsel to prepare and submit appropriate Resolutions for final review and authorization to move forward with a November General Obligation Bond at a specified amount and related tax rate information per the district's assessed valuation.

6. Adjournment

6.1 Adjournment

3.1



Agenda Item Details

Meeting Apr 11, 2018 - RSD Special Board Meeting

Category 3. Closed Session 6:00 p.m.

Subject 3.1 Public Employee Appointment [Government Code 54957] Title: Principal

Access Public

Type

Public Content

Speaker:

Rationale:

Administrative Content

Executive Content

3.2



Agenda Item Details

Meeting Apr 11, 2018 - RSD Special Board Meeting

Category 3. Closed Session 6:00 p.m.

Subject 3.2 Conference with Real Property Negotiators, pursuant to Government Code §54956.8. Property: the El Rio School site, 2714 E. Vineyard Avenue, Oxnard, CA 93036 Agency negotiators: Dr. John Puglisi, District Superintendent, and Joel Kirschenstein, consultant Negotiating parties: David Basel of 2714 E. Vineyard Avenue, LLC, an Idaho limited liability company Under negotiation: price and terms of payment

Access Public

Type

Public Content

Speaker:

Rationale:

Administrative Content

Executive Content



Agenda Item Details

Meeting Apr 11, 2018 - RSD Special Board Meeting

Category 3. Closed Session 6:00 p.m.

Subject 3.3 Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9(d)(1) Name of Case and Case No.: Rio School District v. Negele & Associates, Santa Barbara Superior Court Case No. 16CV04043 (previously identified by Ventura County Superior Court Case No. 56-2016-00480450-CU-PN-VTA)

Access Public

Type Report

Public Content

Speaker:

Rationale:

Administrative Content

Executive Content

4.1



Agenda Item Details

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	4. Communications
Subject	4.1 Superintendent's Report
Access	Public
Type	Information

Public Content

Speaker: Superintendent Puglisi

Rationale:

Superintendent Puglisi will provide an update on the Master Planning, STEAM School update, and information regarding the MOT relocation plan and other related items.

Administrative Content

Executive Content



Agenda Item Details

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	4. Communications
Subject	4.2 Public Comment Procedures for receiving communication from the public on topics that fall under the subject jurisdiction of the Governing Board. 1. Special Board Meeting - A member of the public may address the Governing Board on any item(s) on the agenda. (Each person speaking may not exceed a total of three minutes on each item). The speaker may choose to speak during public comment or at the time of the agenda item prior to board consideration. These presentations are limited to three minutes or a total of twenty minutes.
Access	Public
Type	Procedural

Public Content

Procedures for receiving communication from the public on topics that fall under the subject jurisdiction of the Governing Board.

- A member of the public may address the Governing Board on any item(s) on the agenda or non-agenda items. Each person speaking may not exceed a total of three minutes on each item. The speaker may choose to speak during public comment or at the time of the agenda item prior to board consideration. These presentations are limited to three minutes or a total of twenty minutes.

Administrative Content

Executive Content

5.1



Agenda Item Details

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	5. Discussion/Action
Subject	5.1 Approval of Change Order for Center Glass for added items to the STEAM project.
Access	Public
Type	Action (Consent)
Fiscal Impact	Yes
Dollar Amount	14,619.00
Budgeted	Yes
Budget Source	Measure G Funds
Recommended Action	It is recommended that the Change Order with Center Glass be approved to provide Storefront Glazing and Hardware at the STEAM site.

Public Content

Speaker:
Kristen Pifko

Rationale:

To align with the District's request, Center Glass has presented a Change Order to the initial bid to include improved hardware than the original bid called for. The value was negotiated and validated by Balfour Beatty and A4E to ensure that it provides the District with appropriate value and is in alignment with current market pricing.

[Rio STEAM K-8 Center Glass CO 9.1.pdf \(3,948 KB\)](#)

Administrative Content

Executive Content

Our adopted rules of Parliamentary Procedure, Robert's Rules, provide for a consent agenda listing several items for approval of the Board by a single motion. Most of the items listed under the consent agenda have gone through Board subcommittee review and recommendation. Documentation concerning these items has been provided to all Board members and the public in advance to assure an extensive and thorough review. Items may be removed from the consent agenda at the request of any board member.

Balfour Beatty Construction

Rio School District
2500 E Vineyard Ave, Suite 1-100
Oxnard, CA 93036

April 9, 2018

Attn: Kristen Pifko, Assistant superintendent Business Services

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #9 Storefront Glazing and Hardware
Recommendation to Approve PCO #9.1.1 Center Glass

Dear Ms. Pifko,

Please accept this letter as recommendation to request Board approval for CO #9.1.1 to Center Glass for added or deleted scope items at the above Project. Scope change to the project is as follows;

Item 1.1 Added Cost for Revised Hardware Schedule

Reason; Addendum 5 changed the Hardware, to align with District request, from the documents used in the initial bidding

Project Cost Update:

Center Glass Base Agreement	\$1,465,734.00
CO #9.1.1	<u>\$14,619.00</u>
Total Construction Cost to Date	\$ 1,480,650.00

Should you have any questions, please contact me at any time.

Respectfully,



Robert Perks
Project Manager, Balfour Beatty

cc. Rachel Adams (A4E)
Jesus Muguerza Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

**Rio School District
2500 E. Vineyard Ave, Suite 1-100
Oxnard, Ca 93036**

**PCO 9.1.1
4-9-18**

PROJECT NO: 0045-015

CO NO: 9.1.1

PROJECT NAME: RIO STEAM K-8 CAMPUS

CONTRACTOR: Center Glass

SCOPE OF WORK: SEE ATTACHED

COST:

Original Contract Amount	\$1,465,734.00
Previous Approved Change Orders	\$0.00
This Change Order	\$14,619.00
Adjusted Contract Amount	\$1,480,650.00

TIME:

Original Contract Completion Date	December 2018
Previously Approved Completion Extension Days	0
Completion Days Extension this Change Order	0
Adjusted Contract Completion Date	December 2018

IT IS AGREED BY THE CONTRACTOR THAT THE ADJUSTED CONTRACT AMOUNT AND/OR TIME, IF ANY, INCLUDES FULL AND COMPLETE EQUITABLE ADJUSTMENT AND COMPENSATION FOR ALL CONTRACT WORK AND EXTRA WORK PERFORMED ON THE PROJECT INCLUDING BUT NOT LIMITED TO CHANGES, DIFFERING SITE CONDITIONS, SUSPENSIONS, DELAYS, RESCHEDULING, ACCELERATION, IMPACT AND EXTENDED OVERHEAD AS IT RELATES SPECIFICALLY TO ITEMS 1.1 OF THE ATTACHED LISTING. CONTRACTOR HEREBY WAIVES ANY AND ALL RIGHT TO ADDITIONAL COMPENSATION OR TIME ARISING OUT OF THE WORK SPECIFIC TO ITEMS 1.1 OF THE ATTACHED LISTING, AND HEREBY ACKNOWLEDGES AND AGREES THAT THE AMOUNT SHOWN ABOVE CONSTITUTES PAYMENT IN FULL ACCORDING TO THE CONTRACT DOCUMENTS.

EXCEPT TO THE EXTENT THE CONTRACT HAS BEEN MODIFIED BY PREVIOUSLY ISSUED DISTRICT CHANGE ORDERS, AND FURTHER MODIFIED BY THIS CHANGE ORDER, THE CONTRACT REMAINS IN FULL FORCE AND EFFECT.

RIO SCHOOL DISTRICT

Contractor: Center Glass

By _____

By _____

Date _____

Date _____

District Architect; Architecture for Education

District PM/CM; Balfour Beatty Construction

By _____

By _____

Date _____

Date _____

PCO to Contract
Rio Bid 0045-015

Rio School District

CO #9.1.1

Project No 0045-015

4/9/2018

Rio STEAM K-8 Campus

BP #9 Storefront Glazing and Hardware

Center Glass

Original Contract

1,465,734.00

Item No.	GC No.	Description	Reason	Cost/Credit
1.1		Added Cost for Revised Hardware Schedule	Addendum 5 changed the Hardware, to align with District request, from the documents used in the initial bidding	\$ 14,619.00

Total CO #9.1.1

\$ 14,619.00

Original Contract

\$ 1,465,734.00

Revised Contract

\$1,480,650.00



GAYLAIRD CHRISTOPHER, FAIA
RACHEL ADAMS, AIA, LEED AP

April 7, 2018

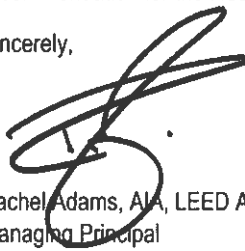
Rob Perks
Project Manager
Balfour Beatty Construction
300 East Esplanade, Suite 1120
Oxnard, CA 93036

RE: PCO #9.1.1 Hardware Revision

Dear Rob,

We have received your 3/26/18 email concerning your discussions with Center Glass Company. We appreciate their efforts to reflect the modifications made to the hardware package and revise their costs accordingly. We can accept your recommendation for the RSD board to approve a cost of \$14,916.

Sincerely,



Rachel Adams, AIA, LEED AP
Managing Principal

Typo from value on
contractor invoice

Rachel Adams

From: Perks, Rob <RPerks@Balfourbeattyus.com>
Sent: Monday, March 26, 2018 11:32 AM
To: Rachel Adams
Cc: Muguerza Ibarra, Jesus; Estevez, Nadia; Purcell, Ray; Michael Shea
Subject: Rio STEAM K-8 PCO 9.1.1 Center Glass Add. 5 Hardware Revised
Attachments: RIO STEAM K-8 - PCO9.1.1 - Center Glass Addendum 5 Hardware.pdf

Rachel,

Attached is revision 1 on PCO 9.1. We worked with the contractor to confirm and revise the BOM, pricing and markup. This is a significant savings over the original PCO put forward, though still more than the \$7000 projected by you Assa Abloy rep. Based on feedback from the trades, we feel that the proposed pricing is now accurate and fair reflecting the design change as well as the market pricing.

Rob Perks, | LEED AP

office: 805-983-1558 | mobile: 805-746-5638 | fax: 805-983-7249 | www.balfourbeattyus.com
300 E. Esplanade Dr. Ste 1120, Oxnard, CA 93036

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Balfour Beatty

Build to Last
Lean. Expert. Trusted. Safe.

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Balfour Beatty Construction

Architecture for Education
41 N Fair Oaks Ave
Pasadena, CA 91103

March 26, 2018

Attn: Rachel Adams

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #9 Storefront Glazing and Hardware
Recommendation to Approve PCO #9.1.1 Center Glass

Dear Ms. Adams,

Please accept this letter as recommendation to request approval for PCO #9.1.1 Center Glass for added or deleted scope items at the above Project. This is the revised pricing and markup after the initial review and comment for the Scope change to the project is as follows;

Item 1.1 Added Cost for Revised Hardware Schedule

Reason; Addendum 5 changed the Hardware, to align with District request, from the documents used in the initial bidding

Project Cost Update:

Center Glass Base Agreement
PCO #9.1.1
Total Construction Cost to Date

Typo from value on
contractor invoice

~~\$1,485,734.00~~
~~\$ 14,916.00~~
~~\$1,492,648.00~~

Should you have any questions, please contact me at any time.

Respectfully,

Robert Perks
Project Manager, Balfour Beatty

cc. Kristen Pifko (Rio School District)
Jesus Muguerza Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

Rio School District

PCO #9.1Rev1

Project No 0045-015

3/23/2018

Rio STEAM K-8 Campus

BP #9 Storefronts, Glazing and Hardware

Center Glass

Original Contract

\$ 1,465,734.00

Item No.	GC No.	Description	Reason	Cost/Credit
1.1		Added Cost for Revised Hardware Schedule	Addendum 5 changed the Hardware to align with Distric request from the documents used in the initial bidding	\$ 14,619.00

Total PCO #9.1 Rev1

\$ 14,619.00

Previous CO

Original Contract

\$ 1,465,734.00

Revised Contract

\$ 1,480,353.00



Date : March 1, 2018

Rio School District
C/O Balfour Beatty

Attention: Rob Perks

Re: Rio Steam Addenda 5 Revised Door Hardware

REVISED PROPOSAL

We hereby propose to furnish all materials and labor to complete the following:

Addenda 5 revises the storefront door hardware.

Original hardware price.	\$ 64,617.00
Revised #2 hardware price.	\$ 76,389.00
Difference	\$ 11,772.00
Tax	\$ 941.00
P/O	\$ <u>1,906.00</u>
Total Added Cost	\$ 14,619.00

Updated hardware quotes attached.

NOTE-

This does not include costs associated with Salto Hardware.

By:

Randy Gulden
Center Glass Co

CB Hardware, Inc.
 201 N. Ponderosa
 Ontario, CA 91761
 Phone# (909)636-6409 Fax# (909)481-7241

SALES PROPOSAL

PROPOSAL# 74

Order Date: 07/10/2017

*STAR HARDWARE
 909-481-7331*

Page 1 of 2

Printed: 7/10/2017 9:35

ORIGINAL QUOTE

Sold To:
 Center Glass Company
 3910 Market St. Ste. A.
 Ventura, CA 93003
 Phone: (805)642-0149

Ship To:
 Center Glass Company
 3910 Market St. Ste. A.
 Ventura, CA 93003

Salesperson: BO

Job Name: Rio Steam K-8

DATE REQ	CUSTOMER PO	PROPOSAL FOR	SHIP VIA	DATE SHIPPED
07/10/2017		Randy	Best Way	

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
28	EA	PEM	Hinge - Continuous	KCFM83-HD1 x 82 3/4" O.A.Length	C	N/A	79.47	2,225.16
2	EA	PEM	Hinge - Continuous	KCFM85-HD1	C	N/A	72.43	144.86
3	EA	PEM	Hinge - Continuous	KCFM95-HD1	C	N/A	86.52	259.56
2	EA	PEM	Hinge - Continuous	KCFM95-HD1 x 92 3/4" O.A.Length	C	N/A	93.57	187.14
33	EA	MCK	Hinge	TA2314 4-1/2" x 4-1/2" NRP	32D	N/A	13.75	453.75
6	EA	MCK	Hinge	TA2714 4-1/2" x 4-1/2"	26D	N/A	4.00	24.00
12	EA	MCK	Hinge	TA2714 4-1/2" x 4-1/2" NRP	26D	N/A	4.50	54.00
1	EA	ROC	Automatic Flushbolt	2842	US32D	N/A	70.00	70.00
1	EA	ROC	Dust Proof Strike	570	US26D	N/A	9.00	9.00
13	EA	CR	Removable Mullion	808	628	N/A	555.05	7,215.65
2	EA	CR	Removable Mullion	907BKM x CT6B	Std	N/A	610.30	1,220.60
1	EA	CR	Lockset	CL3351 - PZD x CT6B Entrance	626	N/A	228.55	228.55
1	EA	CR	Lockset	CL3357 - PZD x CT6B Storeroom	626	N/A	228.55	228.55
1	EA	CR	Mortise Lockset	ML2052 - PSA x CT6B Classroom Intruder	626	N/A	372.05	372.05
1	EA	CR	Mortise Lockset	ML2053 - PSA x CT6B Entrance	626	N/A	325.50	325.50
22	EA	CR	Exit Device	ED4200 x K157-CT6B x M110 Nightlatch	626/630	N/A	629.20	13,842.40
13	EA	CR	Exit Device	ED4200 x M110 Dummy	630	N/A	581.75	7,562.75
2	EA	CR	Exit Device	ED5200S x Device Only x M110	626/630	N/A	518.38	1,036.76
10	EA	CR	Exit Device	ED5200S x K157-CT6B x M110	626/630	N/A	518.38	5,183.80
37	EA	CR	Core	8010 x MK	626	N/A	77.78	2,877.86
35	EA	ROC	Door Pull	RM2540-16 x Type 12HD	US32D	N/A	189.52	6,633.20
2	EA	ROC	Anti-Vandal Pull	VRT22	US32D	N/A	138.70	277.40
10	EA	ROC	Anti-Vandal Pull	VRT22 x CFC	US32D	N/A	138.70	1,387.00

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Sales Proposal

PROPOSAL#

74

Page 2 of 2

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
1	EA	ROC	Coordinator - Bar	2672	BPC	N/A	55.00	55.00
15	EA	NOR	Closer	PR7500	689	N/A	170.00	2,550.00
35	EA	NOR	Closer	UNIJ7500 x 10" Reveal x 7786	689	N/A	245.00	8,575.00
2	EA	ROC	Mounting Bracket	2601AB	BPC	N/A	5.75	11.50
16	EA	ROC	Wall Bumper	406	US32D	N/A	4.50	72.00
1	EA	ROC	Wall Bumper	409	US32D	N/A	4.50	4.50
1	EA	PEM	Astragal	357SP84	SP	N/A	20.61	20.61
28	EA	PEM	Sweep Strip	315CN36	C	N/A	6.51	182.28
18	EA	PEM	Door Bottom	2221APK x 36"w	A	N/A	11.90	214.20
14	EA	PEM	Threshold	272A x MS&ES25 x 72"w	A	N/A	38.62	540.68
18	EA	PEM	Threshold	272A36 x MS&ES25	A	N/A	18.95	341.10
9	EA	PEM	Drip Cap	346C x 40"w	C	N/A	8.41	75.69
1	EA	PEM	Drip Cap	346C x 76"w	C	N/A	15.98	15.98
2	EA	PEM	Gasketing	5110BL120	B	N/A	9.72	19.44
9	EA	PEM	Gasketing	S88BL17	BL	N/A	11.57	104.13
1	EA	PEM	Gasketing	S88BL20	BL	N/A	13.61	13.61
10	EA	ROC	Silencer	608	GRAY	N/A	.15	1.50
SUB-TOTAL							64,616.76	

MATERIAL SUB-TOTAL 64,616.76
 Sales Tax 0.00
GRAND TOTAL 64,616.76

ORIGINAL QUOTE

Approved By: _____
 (Print Name)

 (Signature)

Date: ____/____/____

CB Doors & Hardware, Inc.
 201 N. Ponderosa Ontario, CA 91761
 Phone# (909)481-7331 Fax# (909)481-7241

SALES PROPOSAL

PROPOSAL#
115

Order Date: 09/27/2017

Page 1 of 2

Printed: 2/23/2018 9:21

Sold To:
 Center Glass Co.
 3910 Market St.
 Ventura, CA 93003

Ship To:
 Center Glass Co.
 3910 Market St.
 Ventura, CA 93003

*REVISED
 ADDENDA 5
 QUOTE*

Salesperson: Jonny Reynoso

Job Name: Rio Steam K-8

DATE REQ	CUSTOMER PO	PROPOSAL FOR	SHIP VIA	DATE SHIPPED
09/27/2017		Randy Gulden	Best Way	

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
32	EA	PEM	Hinge - Continuous	KCFM83-HD1	C	N/A	79.47	2,543.04
3	EA	PEM	Hinge - Continuous	KCFM95-HD1	C	N/A	86.52	259.56
45	EA	MCK	Hinge	TA2314 4-1/2" x 4-1/2" NRP	32D	N/A	13.75	618.75
6	EA	MCK	Hinge	TA2714 4-1/2" x 4-1/2"	26D	N/A	4.00	24.00
12	EA	MCK	Hinge	TA2714 4-1/2" x 4-1/2" NRP	26D	N/A	4.50	54.00
3	EA	ROC	Automatic Flushbolt	2842	US32D	N/A	70.00	210.00
3	EA	ROC	Dust Proof Strike	570	US26D	N/A	9.00	27.00
15	EA	CR	Removable Mullion	907BKM x CT6B	Std	N/A	610.30	9,154.50
13	EA	CR	Cylinder - Mortise	1080-114-A01-6-Pin x CT6B	626	N/A	73.15	950.95
1	EA	CR	Lockset	CL3151 - PZD x CT6B Entrance	626	N/A	241.50	241.50
1	EA	CR	Lockset	CL3157 - PZD x CT6B Storeroom	626	N/A	241.50	241.50
3	EA	CR	Mortise Lockset	ML2052 - PSA x CT6B Classroom Intruder	626	N/A	372.05	1,116.15
1	EA	CR	Mortise Lockset	ML2053 - PSA x CT6B Entrance	626	N/A	325.50	325.50
30	EA	CR	Exit Device	ED4200 x K157-CT6B x M52 (Less Cylinder) x M110 x [5CH x 5LB] Nightlatch	626/630	N/A	750.13	22,503.90
13	EA	CR	Exit Device	ED4200 x M52 (Less Cylinder) x M110 x [5CH x 5LB] Dummy	630	N/A	695.61	9,042.93
1	EA	CR	Exit Device	ED5200 x Device Only x M52 (Less Cylinder) x M110 x [5CH x 5LB]	630	N/A	543.04	543.04
1	EA	CR	Exit Device	ED5200 x K157-CT6B x M52 (Less Cylinder) x M110 x [5CH x 5LB]	626/630	N/A	597.55	597.55
103	EA	CR	Core	8010 x MK	626	N/A	82.00	8,446.00
9	EA	ROC	Door Pull	RM2540-16 x Type 12HD	US32D	N/A	189.52	1,705.68
15	EA	ROC	Anti-Vandal Pull	VRT22	US32D	N/A	105.00	1,575.00

Sales Proposal

PROPOSAL#

115

Page 2 of 2

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
23	EA	ROC	Anti-Vandal Pull	VRT22 x CFC	US32D	N/A	105.00	2,415.00
3	EA	ROC	Coordinator - Bar	2672	BPC	N/A	55.00	165.00
19	EA	NOR	Closer	PR7500 x SN-134	689	N/A	170.00	3,230.00
35	EA	NOR	Closer	UNIJ7500 x 10" Reveal x 7786 x SN-134	689	N/A	245.00	8,575.00
6	EA	ROC	Mounting Bracket	2601AB	BPC	N/A	5.75	34.50
16	EA	ROC	Wall Bumper	406	US32D	N/A	4.50	72.00
1	EA	ROC	Wall Bumper	409	US32D	N/A	4.50	4.50
3	EA	PEM	Astragal	357SP84	SP	N/A	20.61	61.83
32	EA	PEM	Sweep Strip	315CN x 36"w	C	N/A	6.51	208.32
18	EA	PEM	Door Bottom	2221APK x 36"w	A	N/A	11.90	214.20
18	EA	PEM	Threshold	272A x MS&ES25 x 36"w	A	N/A	18.95	341.10
16	EA	PEM	Threshold	272A x MS&ES25 x 72"w	A	N/A	38.62	617.92
9	EA	PEM	Drip Cap	346C x 40"w	C	N/A	8.41	75.69
3	EA	PEM	Drip Cap	346C x 76"w	C	N/A	15.98	47.94
9	EA	PEM	Gasketing	S88BL17	BL	N/A	11.57	104.13
3	EA	PEM	Gasketing	S88BL20	BL	N/A	13.61	40.83
6	EA	ROC	Silencer	608	GRAY	N/A	.15	.90
SUB-TOTAL								76,389.41

MATERIAL SUB-TOTAL 76,389.41

Sales Tax (7.5000%) 5,729.21

GRAND TOTAL 82,118.62

REVISED ADDENDUM
5 QUOTE

Approved By: _____
(Print Name)

(Signature)

Date: ____/____/____

Balfour Beatty Construction

Architecture for Education
41 N Fair Oaks Ave
Pasadena, CA 91103

February 14, 2018

Attn: Rachel Adams

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #9 Storefront Glazing and Hardware
Recommendation to Approve PCO #9.1 Center Glass

Dear Ms. Adams,

Please accept this letter as recommendation to request approval for PCO #9.1 Center Glass for added or deleted scope items at the above Project. Scope change to the project is as follows;

Item 1.1 Added Cost for Revised Hardware Schedule

Reason; Addendum 5 changed the Hardware, to align with District request, from the documents used in the initial bidding

Project Cost Update:

Center Glass Base Agreement	\$ 1,465,734.00
PCO #5.6	<u>\$ 26,8140.00</u>
Total Construction Cost to Date	\$ 1,492,548.00

Should you have any questions, please contact me at any time.

Respectfully,

Robert Perks
Project Manager, Balfour Beatty

cc. Kristen Pifko (Rio School District)
Jesus Muguerza Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

Rio School District

PCO #9.1

Project No 0045-015

2/14/2018

Rio STEAM K-8 Campus

BP #9 Storefronts, Glazing and Hardware

Center Glass

Original Contract

\$ 1,465,734.00

Item No.	GC No.	Description	Reason	Cost/Credit
1.1		Added Cost for Revised Hardware Schedule	Addendum 5 changed the Hardware to align with Distric request from the documents used in the initial bidding	\$ 26,814.00

Total PCO #9.1

\$ 26,814.00

Previous CO

Original Contract

\$ 1,465,734.00

Revised Contract

\$ 1,492,548.00



Date : September 29, 2017

Rio School District
C/O Balfour Beatty

Attention: Rob Perks

Re: Rio Steam Addenda 5 Revised Door Hardware

PROPOSAL

We hereby propose to furnish all materials and labor to complete the following:

Addenda 5 revises the storefront door hardware. Changes include adding removable mullions, rim panic devices, etc.

Original hardware price.	\$ 64,617.00
Revised hardware price.	<u>\$ 86,207.00</u>
Difference	\$ 21,580.00
Tax	\$ 1,727.00
P/O	\$ 3,497.00
Total Added cost	\$ 26,814.00

Hardware quotes attached.

NOTE -

THIS DOES NOT INCLUDE COSTS ASSOCIATED WITH SALTO HADWARE.

By:

Randy Gulden

Accepted By:

Date:

THIS PROPOSAL IS VOID IF NOT ACCTEPTED WITHIN THIRTY DAYS FROM DATE OF OFFER, SHOWN ABOVE.

DIR # 1000008277

Sales Proposal

PROPOSAL#

74

Page 2 of 2

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
1	EA	ROC	Coordinator - Bar	2672	BPC	N/A	55.00	55.00
15	EA	NOR	Closer	PR7500	689	N/A	170.00	2,550.00
35	EA	NOR	Closer	UNIJ7500 x 10" Reveal x 7786	689	N/A	245.00	8,575.00
2	EA	ROC	Mounting Bracket	2601AB	BPC	N/A	5.75	11.50
16	EA	ROC	Wall Bumper	406	US32D	N/A	4.50	72.00
1	EA	ROC	Wall Bumper	409	US32D	N/A	4.50	4.50
1	EA	PEM	Astragal	357SP84	SP	N/A	20.61	20.61
28	EA	PEM	Sweep Strip	315CN36	C	N/A	6.51	182.28
18	EA	PEM	Door Bottom	2221APK x 36"w	A	N/A	11.90	214.20
14	EA	PEM	Threshold	272A x MS&ES25 x 72"w	A	N/A	38.62	540.68
18	EA	PEM	Threshold	272A36 x MS&ES25	A	N/A	18.95	341.10
9	EA	PEM	Drip Cap	346C x 40"w	C	N/A	8.41	75.69
1	EA	PEM	Drip Cap	346C x 76"w	C	N/A	15.98	15.98
2	EA	PEM	Gasketing	5110BL120	B	N/A	9.72	19.44
9	EA	PEM	Gasketing	S88BL17	BL	N/A	11.57	104.13
1	EA	PEM	Gasketing	S88BL20	BL	N/A	13.61	13.61
10	EA	ROC	Silencer	608	GRAY	N/A	.15	1.50
SUB-TOTAL								64,616.76

MATERIAL SUB-TOTAL 64,616.76
 Sales Tax 0.00
GRAND TOTAL 64,616.76

*ORIGINAL
QUOTE*

Approved By: _____
 (Print Name)

 (Signature)

Date: ____/____/____

CB Doors and Hardware, Inc.
 201 N. Ponderosa Ontario, CA 91761
 Phone# (909)481-7331 Fax# (909)481-7241

SALES PROPOSAL

PROPOSAL#
115

Order Date: 09/27/2017

Page 1 of 2

Printed: 9/27/2017 4:25

Sold To:
 Center Glass Co.
 3910 Market St.
 Ventura, CA 93003

Ship To:
 Center Glass Co.
 3910 Market St.
 Ventura, CA 93003

*ADDENDUM 5
QUOTE*

Salesperson: Blake Olson

Job Name: Rio Steam K-8

DATE REQ	CUSTOMER PO	PROPOSAL FOR	SHIP VIA	DATE SHIPPED
09/27/2017		Randy Gulden	Best Way	

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
32	EA	PEM	Hinge - Continuous	KCFM83-HD1	C	N/A	74.00	2,368.00
3	EA	PEM	Hinge - Continuous	KCFM95-HD1	C	N/A	88.40	265.20
45	EA	MCK	Hinge	TA2314 4-1/2" x 4-1/2" NRP	32D	N/A	16.70	751.50
6	EA	MCK	Hinge	TA2714 4-1/2" x 4-1/2"	26D	N/A	5.38	32.28
12	EA	MCK	Hinge	TA2714 4-1/2" x 4-1/2" NRP	26D	N/A	7.18	86.16
3	EA	ROC	Automatic Flushbolt	2842	US32D	N/A	74.80	224.40
3	EA	ROC	Dust Proof Strike	570	US26D	N/A	9.60	28.80
15	EA	CR	Removable Mullion	907BKM x CT6B	Std	N/A	605.60	9,084.00
13	EA	CR	Cylinder - Mortise	1080-114-A01-6-Pin x CT6B	626	N/A	73.15	950.95
1	EA	CR	Lockset	CL3151 - PZD x CT6B Entrance	626	N/A	241.50	241.50
1	EA	CR	Lockset	CL3157 - PZD x CT6B Storeroom	626	N/A	241.50	241.50
3	EA	CR	Mortise Lockset	ML2052 - PSA x CT6B Classroom Intruder	626	N/A	392.35	1,177.05
1	EA	CR	Mortise Lockset	ML2053 - PSA x CT6B Entrance	626	N/A	343.00	343.00
30	EA	CR	Exit Device	ED4200 x K157-CT6B x M52 (Less Cylinder) x M110 x [5CH x 5LB] Nightlatch	626/630	N/A	750.13	22,503.90
13	EA	CR	Exit Device	ED4200 x M52 (Less Cylinder) x M110 x [5CH x 5LB] Dummy	630	N/A	695.61	9,042.93
1	EA	CR	Exit Device	ED5200 x Device Only x M52 (Less Cylinder) x M110 x [5CH x 5LB]	630	N/A	543.04	543.04
1	EA	CR	Exit Device	ED5200 x K157-CT6B x M52 (Less Cylinder) x M110 x [5CH x 5LB]	626/630	N/A	597.55	597.55
103	EA	CR	Core	8010 x MK	626	N/A	91.20	9,393.60
9	EA	ROC	Door Pull	RM2540-16 x Type 12HD	US32D	N/A	179.55	1,615.95
28	EA	ROC	Anti-Vandal Pull	VRT22	US32D	N/A	105.00	2,940.00

Sales Proposal

PROPOSAL#

115

Page 2 of 2

HARDWARE

ORD QTY	UOM	MANF	TYPE	ITEM DESCRIPTION	FINISH	HAND	PRICE	EXT PRICE
36	EA	ROC	Anti-Vandal Pull	VRT22 x CFC	US32D	N/A	105.00	3,780.00
3	EA	ROC	Coordinator - Bar	2672	BPC	N/A	58.00	174.00
19	EA	NOR	Closer	PR7500 x SN-134	689	N/A	170.45	3,238.55
35	EA	NOR	Closer	UNIJ7500 x 10" Reveal x 7786 x SN-134	689	N/A	248.15	8,685.25
6	EA	ROC	Mounting Bracket	2601AB	BPC	N/A	11.60	69.60
16	EA	ROC	Wall Bumper	406	US32D	N/A	2.00	32.00
1	EA	ROC	Wall Bumper	409	US32D	N/A	2.00	2.00
3	EA	PEM	Astragal	357SP84	SP	N/A	21.22	63.66
32	EA	PEM	Sweep Strip	315CN x 36"w	C	N/A	6.85	219.20
18	EA	PEM	Door Bottom	2221APK x 36"w	A	N/A	12.25	220.50
18	EA	PEM	Threshold	272A x MS&ES25 x 36"w	A	N/A	19.99	359.82
16	EA	PEM	Threshold	272A x MS&ES25 x 72"w	A	N/A	40.00	640.00
9	EA	PEM	Drip Cap	346C x 40"w	C	N/A	8.61	77.49
3	EA	PEM	Drip Cap	346C x 76"w	C	N/A	16.35	49.05
9	EA	PEM	Gasketing	S88BL17	BL	N/A	11.92	107.28
3	EA	PEM	Gasketing	S88BL20	BL	N/A	14.03	42.09
6	EA	ROC	Silencer	608	GRAY	N/A	.10	.60
SUB-TOTAL								80,192.40

MATERIAL SUB-TOTAL 80,192.40

Sales Tax (7.5000%) 6,014.43

GRAND TOTAL 86,206.83

ADDENDUM 5
QUOTE

Approved By: _____
(Print Name)

(Signature)

Date: ____/____/____



Agenda Item Details

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	5. Discussion/Action
Subject	5.2 Approval of Change Orders for Taft Electric as outlined below.
Access	Public
Type	Action (Consent)
Fiscal Impact	Yes
Dollar Amount	31,395.00
Budgeted	Yes
Budget Source	Measure G Funds
Recommended Action	It is recommended that the Board approve the Change Orders with Taft Electric for the STEAM school.

Public Content

Speaker:
Kristen Pifko

Rationale:

Change Order 20.3 Taft Electric Rationale:

This CO package consists of 4 sub packages as follows:

PCO 20.1 - This change order is a credit achieved as part of the ongoing Value Engineering process for the project. The contractor was able to recommend a substitute product accepted by the Architect, allowing them to leverage industry relationships and discounts. The value was negotiated and validated by Balfour Beatty to ensure that it provides the District with appropriate value and is in alignment with current market pricing. (-\$42,975)

PCO 20.8 - This change order is an add required to correct a condition in the bid documents. ASI 014 defined added exhaust fans that require electrical power not shown in the electrical design documents for bid. The issue was confirmed by the Engineer in ASI 014, and the correction had a cost impact. (\$5,364)

PCO 20.10 - This change order is an add requested by the District to support security cameras to be added by the District at a later date. (\$58,567)

PCO 20.11 - This change order is an add required to correct a condition in the bid documents. The contractor found a piece of equipment that requires electrical power not shown in the electrical design documents for bid. The issue was confirmed by the Engineer in a RFI, and the correction had a cost impact. The original contractor proposed value was considered high by the design team during review, and the contractor agreed to the reduced value indicated on the A4E Change Order cover sheet. (10,439.00)

RIO STEAM K-8 - CO20.3 - Full Package TAFT ELECTRIC.pdf (16,777 KB)

Administrative Content

Executive Content

Our adopted rules of Parliamentary Procedure, Robert's Rules, provide for a consent agenda listing several items for approval of the Board by a single motion. Most of the items listed under the consent agenda have gone through Board subcommittee review and recommendation. Documentation concerning these items has been provided to all Board members and the public in advance to assure an extensive and thorough review. Items may be removed from the consent agenda at the request of any board member.

Balfour Beatty Construction

Rio School District
2500 E Vinyard Ave
Oxnard, CA 93036

March 10, 2018

Attn: Kristen Pifko

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #20 Electrical and Elevator
Recommendation to Approve PCO #20.3 Taft Electric

Dear Ms. Pifko,

Please accept this letter as recommendation to request approval for CO #20.3 to Taft Electric for added or deleted scope items at the above Project, and as amendment to their contract. Scope change to the project is as follows;

Taft Electric		Original Contract		\$ 4,462,000.00
PCO No.	GC No.	Description	Reason	Cost/Credit
20.1	9	Lighting VE	Value engineering - cost savings for fixture substitutions	\$ (42,975.00)
20.8	16	ASI014 Added Fan Connections	Added requirements to corrected design	\$ 5,364.00
20.10	18	Security Camera Conduit and Boxes	Infrastructure per District request	\$ 58,567.00
20.11	19	Power to Irrigation Pump		\$ 10,439
Total CO #20.3				\$ 31,395.00
Previous CO 20.1				\$ 36,952
Previous CO 20.2				\$ 23,000
Original Contract				\$ 4,462,000.00
Revised Contract				\$ 4,553,347.00

Should you have any questions, please contact me at any time.

Respectfully,



Robert Perks
Project Manager, Balfour Beatty

cc. Rachel Adams (A4E)
Jesus Muguerra Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

**Rio School District
2500 E. Vineyard Ave, Suite 1-100
Oxnard, Ca 93036**

**CO 20.3
4/10-2018**

PROJECT NO: 0045-015

CO NO: 20.3

PROJECT NAME: RIO STEAM K-8 CAMPUS

CONTRACTOR: Taft Electric.

SCOPE OF WORK: SEE ATTACHED

COST:

Original Contract Amount	\$4,462,000.00
Previous Approved Change Orders	\$59,952.00
This Change Order	\$31,395.00
Adjusted Contract Amount	\$4,553,347.00

TIME:

Original Contract Completion Date	December 2018
Previously Approved Completion Extension Days	0
Completion Days Extension this Change Order	0
Adjusted Contract Completion Date	December 2018

IT IS AGREED BY THE CONTRACTOR THAT THE AMMENDED CONTRACT AMOUNT AND/OR TIME, IF ANY, INCLUDES FULL AND COMPLETE EQUITABLE ADJUSTMENT AND COMPENSATION FOR ALL CONTRACT WORK AND EXTRA WORK PERFORMED ON THE PROJECT INCLUDING BUT NOT LIMITED TO CHANGES, DIFFERING SITE CONDITIONS, SUSPENSIONS, DELAYS, RESCHEDULING, ACCELERATION, IMPACT AND EXTENDED OVERHEAD AS IT RELATES SPECIFICALLY TO ITEMS 20.1, 20.8, 20.10, 20.1 OF THE ATTACHED LISTING. CONTRACTOR HEREBY WAIVES ANY AND ALL RIGHT TO ADDITIONAL COMPENSATION OR TIME ARISING OUT OF THE WORK SPECIFIC TO ITEMS 20.1, 20.8, 20.10, 20.1 OF THE ATTACHED LISTING, AND HEREBY ACKNOWLEDGES AND AGREES THAT THE AMOUNT SHOWN ABOVE CONSTITUTES PAYMENT IN FULL ACCORDING TO THE CONTRACT DOCUMENTS.

EXCEPT TO THE EXTENT THE CONTRACT HAS BEEN MODIFIED BY PREVIOUSLY ISSUED DISTRICT CHANGE ORDERS, AND FURTHER MODIFIED BY THIS CHANGE ORDER, THE CONTRACT REMAINS IN FULL FORCE AND EFFECT.

RIO SCHOOL DISTRICT

Contractor: Taft Electric

By _____

By _____

Date _____

Date _____

District Architect; Architecture for Education

District PM/CM; Balfour Beatty Construction

By _____

By _____

Date _____

Date _____

Rio School District

CO #20.3

Project No 0045-015

4/10/2018

Rio STEAM K-8 Campus

BP #20 Electric and Elevator

Taft Electric

Original Contract

\$ 4,462,000.00

PCO No.	GC No.	Description	Reason	Cost/Credit
20.1	9	Lighting VE	Value engineering - cost savings for fixture substitutions	\$ (42,975.00)
20.8	16	ASI 014 Added Fan Connections	Added requirements to corrected design	\$ 5,364.00
20.10	18	Security Camera Conduit and Boxes	Infrastructure per District request	\$ 58,567.00
20.11	19	Power to Irrigation Pump		\$ 10,439

Total CO #20.3	\$ 31,395.00
Previous CO 20.1	\$ 36,952
Previous CO 20.2	\$ 23,000
Original Contract	\$ 4,462,000.00
Revised Contract	\$ 4,553,347.00



GAYLAIRD CHRISTOPHER, FAIA
RACHEL ADAMS, AIA, LEED AP

April 7, 2018

Rob Perks
Project Manager
Balfour Beatty Construction
300 East Esplanade, Suite 1120
Oxnard, CA 93036

RE: PCO #20.1 Lighting Substitutions

Dear Rob,

We have received your 3/26/18 email concerning your discussions with Taft Electric and can accept your recommendation for the RSD board to approve a VE credit for \$42,975.

Sincerely,

Rachel Adams, AIA, LEED AP
Managing Principal

Rachel Adams

Subject: FW: 1406 PCO reviews
Attachments: Rio STEAM K-8 - A4E - PCO20.1 Review - 1-3-18.pdf; Rio STEAM K-8 PCO 20.1 vendor added cost.pdf

From: Perks, Rob <RPerks@Balfourbeattyus.com>
Sent: Monday, March 26, 2018 3:54 PM
To: Rachel Adams <radams@architecture4e.com>
Cc: Kuykendall, Dennis <DKuykendall@Balfourbeattyus.com>; Michael Shea <mshea@architecture4e.com>; Mugerza Ibarra, Jesus <JesusMugerza@Balfourbeattyus.com>; Purcell, Ray <RPurcell@Balfourbeattyus.com>
Subject: RE: 1406 PCO reviews

Rachel,

Catching up on the lighting VE quote, attached is another vendor quote provided by Taft that does not completely match the email you received from the Vendor, or the pricing included in the negotiated VE pricing from Taft. After reaching out to Taft for further back up than the attached quote and he was not certain that they would be able to hold pricing with the challenges releasing final fixtures. In light of the need to wrap this up I am recommending that we move forward with accepting the credit of \$42,975 This is fairly difficult to keep track of when we are not included in every pricing conversation, and the change in pricing is a change from previous quotes.

Rob Perks, | LEED AP

office: 805-983-1558 | mobile: 805-746-5638 | fax: 805-983-7249 | www.balfourbeattyus.com
300 E. Esplanade Dr. Ste 1120, Oxnard, CA 93036

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Balfour Beatty

Build to Last
Lean. Expert. Trusted. Safe.

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Bill of Material

Santa Barbara
 22 North Milpas Street, Suite E
 Santa Barbara CA 93103
 Phone: (805) 715-6400
 Quoter: Rhonda Rodriguez (909) 744-5286

Project RIO STEAM K 8 CAMPUS
Location OXNARD CA

To: Brian Stamper
 TAFT ELECTRIC
 1694 EASTMAN AVE
 VENTURA CA 93003-
 EMail: bstamper@taftelectric.com

For
Bid Date Oct 16, 2017

QTY	Type	MFG	Part
Note			**** NO THEATRICAL INCLUDED ****
Note			**** NO SPARES INCLUDED ****
Note			***** SEE NOTE BELOW REGARDING ADDER FOR FLANGE KITS IF REQUIRED****
Note			** TOTAL DEDUCT FOR V/E ITEMS \$47,750.00 **
31	AC1-24'	ALER	LP7-OA-R24'-40HL-40-CM48-EDU-MW
1	AC1-20'	ALER	LP7-OA-R20'-40HL-40-CM48-EDU-MW-ELL10-1EL
12	AC2-24'	ALER	LP7-OA-24'-40ML-40-CM48-EDU-MW-ELL10-1EL
6	AR1	PRUD	P43-PSTD-FLSH-LED4LO-16'-TMW-AWL-D1R-WTW-SC-UNV-X7-DM10
1	AW2	PRUD	P40-LED4-PROG-3W/FT-86'-AWL-X-D1R-SC-UNV-WM-X3-DM10 Line Note: X=ADVISE STANDARD COLOR
1	AW2	PRUD	P40-LED4-PROG-3W/FT-36'-AWL-X-D1R-SC-UNV-WM-X3-DM10 Line Note: X=ADVISE STANDARD COLOR
Note		COL	ADD \$20.00 PER EACH FLANGE KIT IF REQUIRED FOR TYPES BB1-BB7
20	BB1	COL	LCAT24-40MLG-EDU
2	BB1-EM	COL	LCAT24-40MLG-EDU-ELL14
19	BB5	COL	LCAT22-40MLG-EDU LED 2x2 Contemporary Architectural Troffer, 4000K, 3326 Lumens, 0-10V Dimming Driver
2	BB5-E	COL	LCAT22-40MLG-EDU-ELL14
12	BB6	COL	LCAT22-40LWG-EDU
8	BB7	COL	LCAT22-40HLG-EDU
1	BB7-E	COL	LCAT22-40HLG-EDU-ELL14
2	D1	COL	LCS4-40HL-EDU CSHC
2	D2	COL	LCS8-40HL-EDU CSHC
2	D3	COL	LCS4-40VL-EDU CSHC
3	D3-EM	COL	LCS4-40VL-EDU-ELL14 CSHC
16	D4	COL	LCS4-40ML-EDU CSHC
2	D4E	COL	LCS4-40ML-EDU-ELL14 CSHC
1	D5	COL	LCS8-40ML-EDU CSHC
1	D5E	COL	LCS8-40ML-EDU-ELL14 CSHC
3	E1	COL	LWC4-40LW-EDU-DR
17	E1-E	COL	LWC4-40LW-EDU-DR-ELL14
66	EX	EVEN	CCDS-AC-G-1-WW-X-PC1-DK
15	F3	LUMR	LVP 524-25W-40K-120/277-CP-WHT
4	F3EM	LUMR	LVP 524-25W-40K-120/277-CP-WHT-EMB310
11	FP	KURT	FP-S-5-2X2-3/LED-R-40-UNV
3	FP-E	KURT	FP-S-5-2X2-3/LED-R-40-UNV-EM10W



Bill of Material

Santa Barbara
 22 North Milpas Street, Suite E
 Santa Barbara CA 93103
 Phone: (805) 715-6400
 Quoter: Rhonda Rodriguez (909) 744-5286

Project RIO STEAM K 8 CAMPUS
Location OXNARD CA

To: Brian Stamper
 TAFT ELECTRIC
 1694 EASTMAN AVE
 VENTURA CA 93003-
 EMail: bstamper@taftelectric.com

For
Bid Date Oct 16, 2017

QTY	Type	MFG	Part
10	FP2	KURT	FP-S-5-2X2-2/LED-R-40-UNV
3	FP2-E	KURT	FP-S-5-2X2-2/LED-R-40-UNV-EM10W
27	G1	METE	WS-300-428-UNV-SPV-X-X-MTD-DF-WG
5	G1-E	METE	WS-300-428-UNV-SPV-X-X-MTD-DF-WG-EMP
20	K2A	PRES	LC6SLDM 6LCSL14L40K8
49	K2AEM	PRES	LC6SLDMEM 6LCSL14L40K8EM
9	K2B	PRES	LC6SLDM 6LCSL18L40K8
6	K2B-EM	PRES	LC6SLDMEM 6LCSL18L40K8EM
33	K2S	PRES	LCC6LEDS18L40K8WFL45-X Line Note: X=ADVISE STANDARD COLOR
13	K2S-EM	PRES	LCC6LEDS18L40K8WFL45-X Line Note: NOTE: NO INTEGRAL EMERGENCY OPTION AVAILABLE. NO EMERGENCY INCLUDED. EMERGENCY BACK UP TO BE FIELD INSTALLED BY OTHERS OR SIZED FOR A MINI INVERTER FOR REMOTE MOUNTING
4	K2S-EM	DUAL	LG250SI Line Note: REMOTE INVERTER SUBJECT TO APPROVAL SIZE & QTY TBD
5	K2T	PRES	LCC6LEDS18L40K8WFL45-X Line Note: X=ADVISE STANDARD COLOR
1	K2T-EM	PRES	LCC6LEDS18L40K8WFL45-X Line Note: NOTE: NO INTEGRAL EMERGENCY OPTION AVAILABLE. NO EMERGENCY INCLUDED. EMERGENCY BACK UP TO BE FIELD INSTALLED BY OTHERS OR SIZED FOR A MINI INVERTER FOR REMOTE MOUNTING
1	K2T-EM	DUAL	LG250SI Line Note: REMOTE INVERTER SUBJECT TO APPROVAL SIZE & QTY TBD
3	K2PA	PRES	MC10LEDS9L35K8DM1MD2530-X Line Note: X=ADVISE STANDARD COLOR
2	K2PA-EM	PRES	MC10LEDS9L35K8DM1MD2530-X Line Note: NO INTEGRAL EMERGENCY OPTION AVAILABLE. NO EMERGENCY INCLUDED. EMERGENCY BACK UP TO BE FIELD INSTALLED BY OTHERS OR SIZED FOR A MINI INVERTER FOR REMOTE MOUNTING
1	K2PA-EM	DUAL	LG250SI Line Note: REMOTE INVERTER SUBJECT TO APPROVAL SIZE & QTY TBD
18	L1	OCL	GS1-P1CA-14-CR-PTD-LED1/40K-UNV-XS-DMO Line Note: X=ADVISE OAH
3	L1EM	OCL	GS1-P1CA-14-CR-PTD-LED1/40K-UNV-XS-DMO-REMOTE EM Line Note: X=ADVISE OAH
2	L1EM	OCL	LED-EL1-S-100



Bill of Material

Santa Barbara
 22 North Milpas Street, Suite E
 Santa Barbara CA 93103
 Phone: (805) 715-6400
 Quoter: Rhonda Rodriguez (909) 744-5286

Project RIO STEAM K 8 CAMPUS
Location OXNARD CA

To: Brian Stamper
 TAFT ELECTRIC
 1694 EASTMAN AVE
 VENTURA CA 93003-
 EMail: bstamper@taftelectric.com

For
Bid Date Oct 16, 2017

QTY	Type	MFG	Part
4	L2	OCL	GS1-P1CA-18-CR-PTD-LED1/40K-UNV-XS -DMO Line Note: X=ADVISE OAH
3	L2EM	OCL	GS1-P1CA-18-CR-PTD-LED1/40K-UNV-XS-DMO-REMOTE EM
2	L2EM	OCL	LED-EL1-S-100
5	L3	OCL	GS1-P1CA-24-CR-PTD-LED1/40K-UNV-XS-DMO
5	L4	OCL	GS1-P1CA-30-CR-PTD-LED1/40K-UNV-XS-DMO
1	P1-EM	PRUD	P4040-LED4-LO-FWA-CC-D1-SC-UNV-MPCA-48"-XX-DM10-EMH Line Note: QUOTING 48" CABLE
8	P2	PRUD	P4020-LED3-LO-FWA-CC-D1-SC-UNV-MPCA-48"-XX-DM10
2	P2PE	PRUD	P4020-LED4-SO-FWA-CC-D1-SC-UNV-SUR-XX-DM10-EMH
6	P2R	PRUD	P4020-LED4HO-FWA-CC-CC-D1-SC-UNV-SMR7-X7-DM10 Line Note: QUOTING CC TRIM CEILING FINISH
5	P3	PRUD	P4030-LED3-LO-FWA-CC-D1-SC-UNV-MPCA-48"-XX-DM10
3	P3EM	PRUD	P4030-LED3-LO-FWA-CC-D1-SC-UNV-MPCA-48"-XX-DM10-EMH
10	P3P	PRUD	P4030-LED4LO-FWA-CC-D1-SC-UNV-MPCA-48"-XX-DM10
8	P3PEM	PRUD	P4030-LED4LO-FWA-CC-D1-SC-UNV-MPCA-48"-XX-DM10-EMH
13	P3RA	PRUD	P4030-LED4LO-FWA-CC-CC-D1-SC-UNV-SMR7-X-DM10
6	P3RA-EM	PRUD	P4030-LED4LO-FWA-CC-CC-D1-SC-UNV-SMR7-X-DM10-EMH
4	P4R	PRUD	P4030-LED4LO-FWA-CC-CC-D1-SC-UNV-SMR7-X-DM10
1	P4R-EM	PRUD	P4030-LED4LO-FWA-CC-CC-D1-SC-UNV-SMR7-X-DM10-EMH
3	P	PRUD	CUSTOM COLOR SET UP CHARGE-SINGLE TONE, NON-METALLIC Line Note: ONE SET UP CHARGE PER COLOR PER RELEASE
Note	P	PRUD	LAYOUT DRAWINGS FOR APPROVAL REQUIRED
34	S1	STBG	1A-FL630-SV2-1L40T5-MDL16-RP345/RSS14F400-D1-2400-4/STD
13	S4	HLOL	LNC2-12LU-4K-4-X
30	S5	HLOL	LNC2-12LU-4K-2-X
9	S5EM	HLOL	LNC2-12LU-4K-2-X-BBU-VOLT
3	T1	HLOL	ASL-A-24L4K-210-5-U-X RSSH25-45A-1-S2-X
3	T2	HLOL	ASL-A-24L4K-210-2-U-X RSSH25-45A-1-S2-X
11	T3	HLOL	ASL-A-24L4K-210-3-U-X RSSH25-45A-1-S2-X
17	T4	HLOL	ASL-A-24L4K-210-4-U-X RSSH25-45A-1-S2-X
1	LCP	WATT	LOT LIGHTING CONTROL PER ATTACHED BOM

Notes:
 PLUS FRT: METEOR



GAYLAIRD CHRISTOPHER, FAIA
RACHEL ADAMS, AIA, LEED AP

April 8, 2018

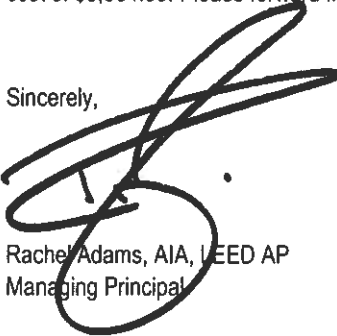
Rob Perks
Project Manager
Balfour Beatty Construction
300 East Esplanade, Suite 1120
Oxnard, CA 93036

RE: PCO #20.8 added costs for exhaust fan breakers

Dear Rob,

We have received PCO #20.8 on 3/30/18 reviewed it against recent electrical discussions, and we accept the proposed cost of \$5,364.00. Please forward finalized CO for approval and signature.

Sincerely,



Rachel Adams, AIA, LEED AP
Managing Principal

Balfour Beatty Construction

Architecture for Education
41 N Fair Oaks Ave
Pasadena, CA 91103

March 19, 2018

Attn; Rachel Adams

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #20 Electrical and Elevator
Recommendation to Approve PCO #20.8 to Taft Electric

Dear Ms. Adams,

Please accept this letter as recommendation to request approval for PCO #20.8 to Taft Electric for added or deleted scope items at the above Project. Scope change to the project is as follows;

Item 1.1 Added cost Per ASI 14-Electrical Corrections

Reason; Added cost to install changes per ASI 14: correct exhaust fan breakers and loads, correct exhaust fan circuiting for Bldgs. A, D, and E roof, and add egress fixtures and adjust location of egress lighting fixtures for bldgs. A, B, D.

Project Cost Update;

Taft Electric Base Agreement	\$4,462,000.00
PCO #20.8	<u>\$5,364.00</u>
Previous PCO #20.1	<u>(\$42,975.00)</u>
Previous PCO #20.2	<u>\$52,501.00</u>
Previous PCO #20.3	<u>\$23,000.00</u>
Previous PCO #20.4	<u>\$17,321.00</u>
Previous PCO #20.5	<u>\$12,226.00</u>
Previous PCO #20.6	<u>\$2,394.00</u>
Previous PCO #20.7	<u>\$13,403.00</u>
Total Construction Cost to Date	\$4,545,243.00

Should you have any questions, please contact me at any time.

Respectfully,

Robert Perks
Project Manager, Balfour Beatty

cc. Kristen Pifko (Rio School District)
Jesus Muguerza Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

Rio School District

PCO #20.8

Project No 0045-015

3/16/2018

Rio STEAM K-8 Campus

BP#20 Electrical and Elevator

Taft Electric

Original Contract

\$ 4,462,000.00

Item No.	GC No.	Description	Reason	Cost/Credit
1.1		Added cost Per ASI 14-Electrical Corrections	Added cost to install changes per ASI 14:correct exhaust fan breakers and loads, correct exhaust fan circuiting for Bldgs. A, D, and E roof, and add egress fixtures and adjust location of egress lighting fixtures for bldgs. A, B,D	\$ 5,364.00

Total PCO #20.8	\$ 5,364.00
Previous PCO #20.1	\$ (42,975.00)
Previous PCO #20.2	\$ 52,510.00
Previous PCO #20.3	\$ 23,000.00
Previous PCO #20.4	\$ 17,321.00
Previous PCO #20.5	\$ 12,226.00
Previous PCO #20.6	\$ 2,394.00
Previous PCO #20.7	\$ 13,403.00
Original Contract	\$ 4,462,000.00
Revised Contract	\$ 4,545,243.00



PCO #016

Taft Electric
1694 Eastman Avenue
Ventura, California 93003
Phone: (805) 642-0121

Project: 2257 - RIO STEAM K-8 Campus
2999 North Ventura Road
Oxnard, California 93036

DRAFT

Change Order Request #016: CE #030 - ASI 14 - Electrical & Exhaust Fan Corrections

Table with 4 columns: TO, FROM, PCO NUMBER/REVISION, CONTRACT, REQUEST RECEIVED FROM, CREATED BY, STATUS, CREATED DATE, REFERENCE, FIELD CHANGE, SCHEDULE IMPACT, LOCATION, TOTAL AMOUNT.

POTENTIAL CHANGE ORDER TITLE: CE #030 - ASI 14 - Electrical & Exhaust Fan Corrections

CHANGE REASON: RFI Directive

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

CE #030 - ASI 14 - Electrical & Exhaust Fan Corrections
ASI 14 Electrical Changes

- Sheets Included:
E0.08
E0.10
E0.11
E3.21
E3.41
E3.51
EP2.11
EP2.41

This change proposal is based on the usual cost elements such as labor, materials, and markup and does not include any amounts for impacts such as interference, trade stacking, disruptions, rescheduling, changes in the sequence of work, delays, and/or associated acceleration costs. We expressly reserve our right to submit our request for any of these items should we be faced with performing work under any of these conditions. This cost proposal supersedes all previously submitted cost proposals relating to this same work. The work of other trades which may be required to complete this change order is not part of this proposal. This quote is valid for 30 calendar days from the above date. We reserve our right to re-quote this change proposal should the approval take longer than 30 days.

Qualifications/Exclusions:

Price includes changes to the following:

- 1. All work to be done during normal working hours. No overtime or premium time is included.
2. Proposal will need to be Approved or written direction to proceed by BBC PM will need to be received prior to this work commencing.
3. Price includes Clouded plan changes only, if additional changes have been made that are not clouded, additional pricing or revised pricing to follow. Please sign this proposal and provide a Contract Change Order for billing purposes if you agree as proposed.

ATTACHMENTS:

Table with 4 columns: #, Cost Code, Description, Type, Amount. Row 1: 1, ASI 14 Electrical & Exhaust Fan Corrections, \$ 5,364.00. Subtotal: \$5,364.00. Grand Total: \$5,364.00.



To:	Balfour Beatty Construction	Date:	Feb 5, 2018
From:	Architecture for Education Incorporated	Project Name:	Rio K-8 STEAM School
Re:	Electrical Drawing Corrections	Project No:	A1406-01

The following drawings have been reviewed and some electrical fixtures and circuiting have been corrected. These corrections are due to reassessment of the exiting lighting lumen output and responses to contractor RFI responses:

SHT E 0.03-Lighting Fixture Schedule & Notes

1. Coordinated fixture part numbers to match approved Lighting Submittal

SHT E 0.04-Lighting Fixture & Control Schedule

1. Coordinated fixture part numbers to match approved Lighting Submittal

SHT E 0.08-Panel Schedules

1. Updated Panels A1L2 & B1L2 for corrected exhaust fan breakers and loads

SHT E 0.10-Panel Schedules

1. Updated Panel D1L2 for corrected exhaust fan breakers and loads

SHT E 0.10-Panel Schedules

1. Updated Panel D2L2, E1H3 & E1L2 for corrected exhaust fan breakers and loads

SHT E 3.21-Bldg B Electrical Roof Plan

1. Corrected Exhaust fan circuiting at Bldg A roof

SHT E 3.41-Bldg D Electrical Roof Plan

1. Corrected Exhaust fan circuiting at Bldg D roof

SHT E 3.51-Bldg E Electrical Roof Plan

1. Corrected Exhaust fan circuiting at Bldg E roof

SHT EL 2.11-Bldg A First Floor Lighting Plan

1. Added egress fixtures and adjusted location of egress lighting fixtures.
2. Updated lighting fixture identification at Visitor Waiting reception desk.
3. Included canopy and lighting fixtures located between Bldgs. A & E

SHT EL 2.11-Bldg B First Floor Lighting Plan

1. Added egress fixtures and adjusted location of egress lighting fixtures.

SHT EL 2.41-Bldg D First Floor Lighting Plan

1. Added egress fixtures and adjusted location of egress lighting fixtures.

SHT EL 2.42-Bldg D Second Floor Lighting Plan



1. Added egress fixtures and adjusted location of egress lighting fixtures.
2. Added egress fixtures over stairs at east and west sides of building.

SHT EL 2.51-Bldg E First Floor Lighting Plan

1. Added egress fixtures and adjusted location of egress lighting fixtures at perimeter of building and corrected light fixture designations at the Stage and Gym areas.
2. Added (2) 2x2 fixtures in the Kitchen area.
3. Adjusted lighting layout above the POS registers in the Serving area.
4. Included canopy between Bldgs. A & E and added (4) linear fixtures / emergency battery packs.

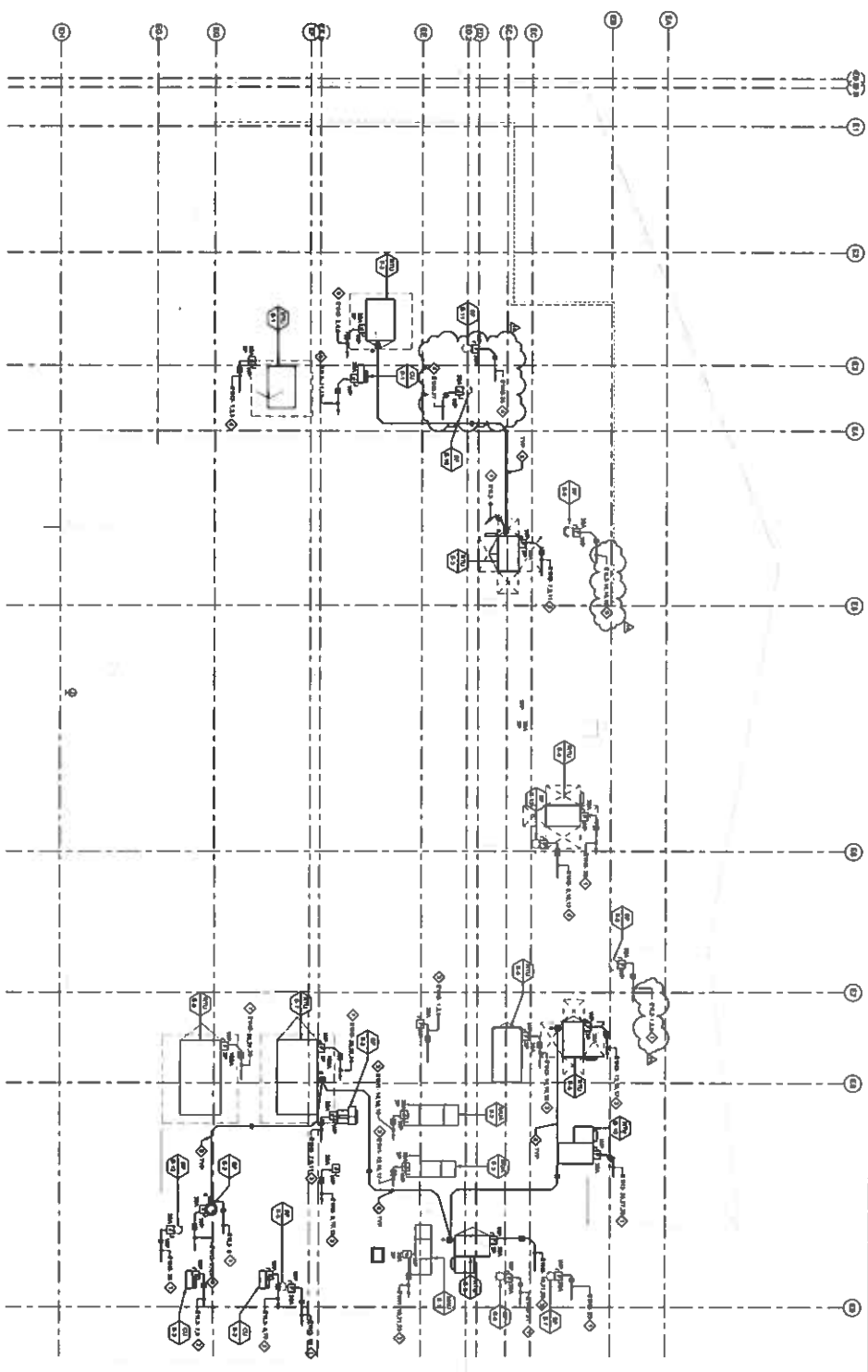
SHT EP 2.11-Bldg A First Floor Power Plan

1. Corrected Exhaust fan circuiting at Bldg. A Electrical Room.

SHT EP 2.41-Bldg D First Floor Power Plan

1. Corrected Exhaust fan circuiting at Bldg. D First Floor Electrical Room.

Please issue documents to all contractors to update their construction documents.



ROOF - ELECTRICAL BLDG 1

KEYED NOTES	GENERAL NOTES
<ul style="list-style-type: none"> ◆ PROVIDE 120V 15A 20A ◆ PROVIDE 120V 20A 30A ◆ PROVIDE 120V 30A 40A ◆ PROVIDE 120V 40A 50A ◆ PROVIDE 120V 50A 60A ◆ PROVIDE 120V 60A 70A ◆ PROVIDE 120V 70A 80A ◆ PROVIDE 120V 80A 90A ◆ PROVIDE 120V 90A 100A ◆ PROVIDE 120V 100A 110A ◆ PROVIDE 120V 110A 120A ◆ PROVIDE 120V 120A 130A ◆ PROVIDE 120V 130A 140A ◆ PROVIDE 120V 140A 150A ◆ PROVIDE 120V 150A 160A ◆ PROVIDE 120V 160A 170A ◆ PROVIDE 120V 170A 180A ◆ PROVIDE 120V 180A 190A ◆ PROVIDE 120V 190A 200A 	<ul style="list-style-type: none"> 1. SUBMITTANT SHALL PROVIDE ALL NECESSARY ELECTRICAL SCHEDULES AND NOTES TO ACCOMPANY THIS PLAN. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE CODES.



RIO S.T.E.A.M. K-8 CAMPUS
 2020 S. LOOP WEST, SUITE 100
 SPRING, TX 77479

RIO SCHOOL DISTRICT
 1000 EAST WASHINGTON AVE
 CORPUS CHRISTI, TEXAS 78401
 (361) 835-2277

PBS
 PROJECT BY
 2020 S. LOOP WEST, SUITE 100
 SPRING, TX 77479
 (281) 416-1100
 WWW.PBS-ARCHITECTS.COM



Author: Ryan J. Smith
 Date: 08/20/20

NO.	DESCRIPTION	DATE
1	120V 15A 20A	
2	120V 20A 30A	
3	120V 30A 40A	
4	120V 40A 50A	
5	120V 50A 60A	
6	120V 60A 70A	
7	120V 70A 80A	
8	120V 80A 90A	
9	120V 90A 100A	
10	120V 100A 110A	
11	120V 110A 120A	
12	120V 120A 130A	
13	120V 130A 140A	
14	120V 140A 150A	
15	120V 150A 160A	
16	120V 160A 170A	
17	120V 170A 180A	
18	120V 180A 190A	
19	120V 190A 200A	

DATE	DESCRIPTION
08/20/20	ISSUED FOR PERMIT
08/20/20	ISSUED FOR CONSTRUCTION
08/20/20	ISSUED FOR AS-BUILT
08/20/20	ISSUED FOR FINAL

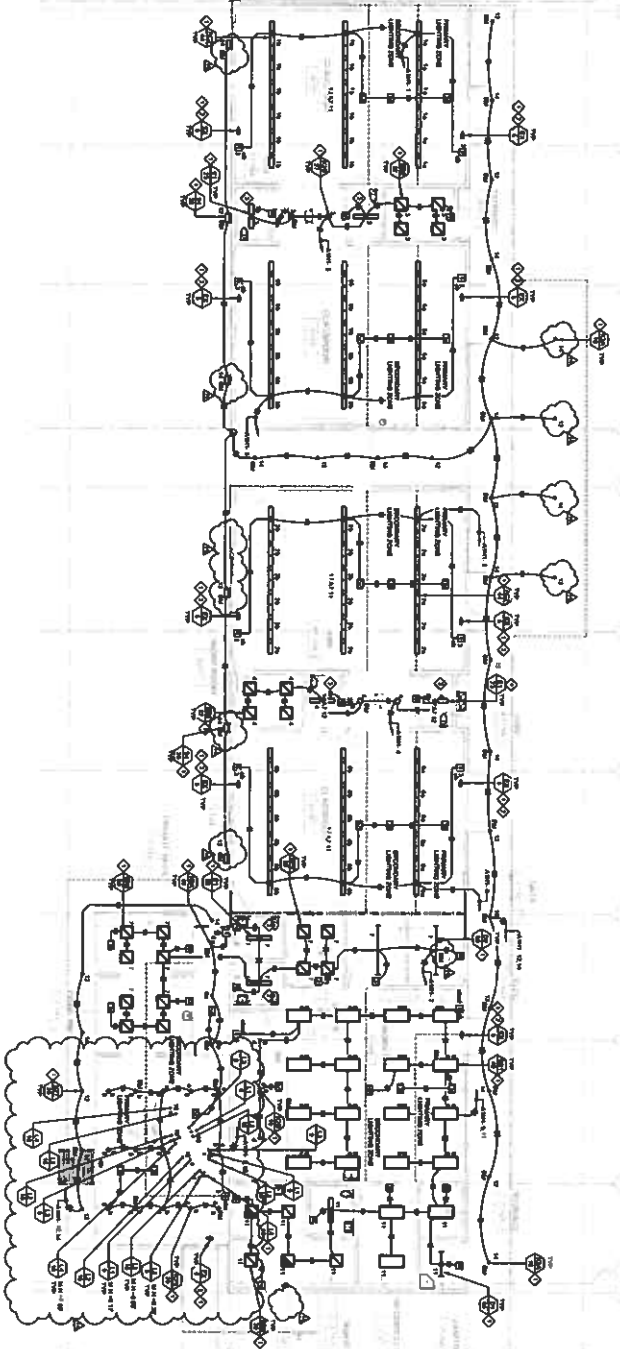
DSA SUBMITTAL

TITLE: BLDG E ELECTRICAL ROOF PLAN

NO. E3.51

ALL CONNECTIONS TO BE SHOWN AND TIGHT TO STRUCTURE. CONCEPT OF WIRING IS GENERAL. ALL WIRING TO BE INSTALLED SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

ALL LIGHTING FIXTURES ALSO CONNECTED TO DISBURSEMENT PANELS.



BLDG A - FIRST FLOOR LIGHTING PLAN 1

GENERAL NOTES

1. REFER TO ELECTRICAL SYMBOLS, SPECIFICATIONS AND ALL APPLICABLE CODES.
2. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
3. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
4. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
5. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
6. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
7. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
8. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
9. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
10. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

KEYED NOTES

- ◆ ELECTRICAL SYMBOLS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- ◆ ELECTRICAL SYMBOLS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- ◆ ELECTRICAL SYMBOLS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

A/E
 ARCHITECTURAL ENGINEERING
 1000 S. GARDEN AVENUE
 ANAHEIM, CA 92805
 (714) 771-1111
 WWW.AEARCHITECTS.COM

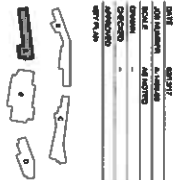
**RIO S.T.E.A.M.
 K-8 CAMPUS**
 2000 S. GARDEN AVENUE
 ANAHEIM, CA 92805

RIO SCHOOL DISTRICT
 2000 S. GARDEN AVENUE
 ANAHEIM, CA 92805

PBS
 PROJECT BIDDING SERVICES
 1000 S. GARDEN AVENUE
 ANAHEIM, CA 92805
 (714) 771-1111
 WWW.PBSBIDDING.COM

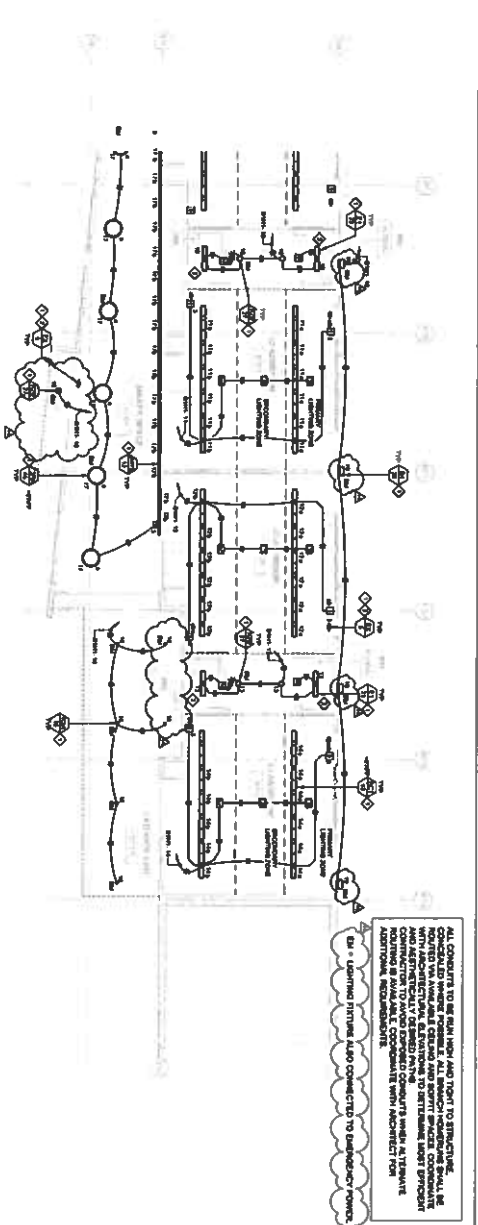


NO.	REVISION	DATE
1	ISSUE FOR BIDDING	08/15/10
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	



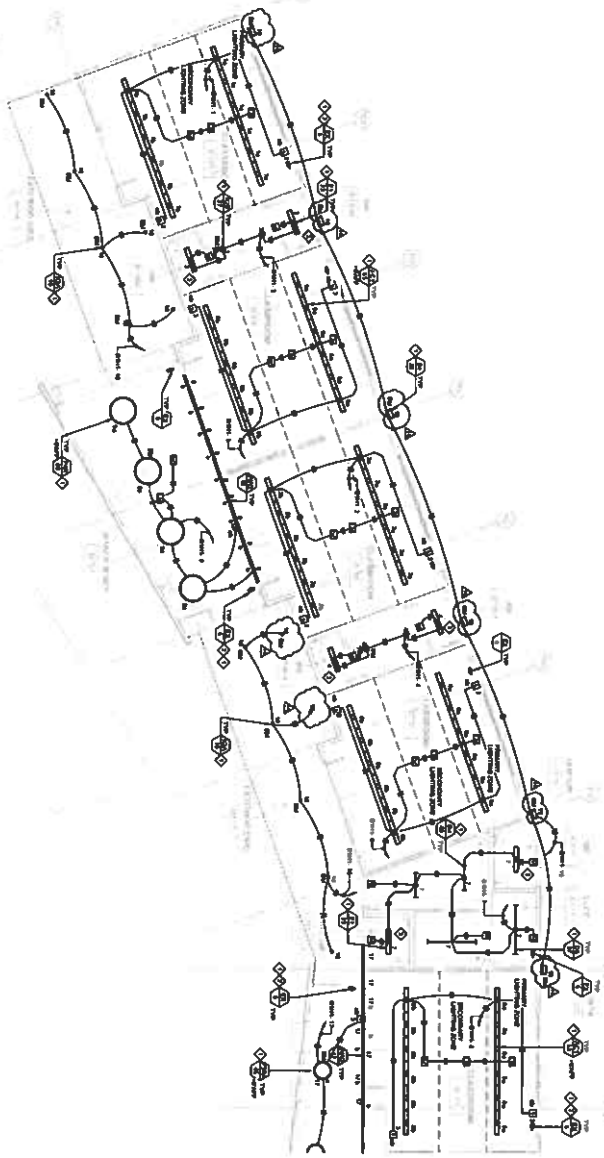
**BLDG A FIRST FLOOR
 LIGHTING PLAN**

EL2.11



BLDG B - FIRST FLOOR LIGHTING PLAN B
1/8" = 1'-0"

ALL CONNECTIONS TO BE RUN FROM AND TOY TO STRUCTURE RELATED VIA MAIN JUMPS AND SCOTT SPACE COORDINATE AND MECHANICALLY DERIVED FROM THE CONTRACTOR TO AVOID CONFLICTS WITH MECHANICAL AND ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.



BLDG B - FIRST FLOOR LIGHTING PLAN A
1/8" = 1'-0"

GENERAL NOTES

- 1. REFER TO GENERAL NOTES, SPECIFICATIONS TO THE RFP AND ALL OTHER DOCUMENTS FOR THE PROJECT.
- 2. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.
- 3. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.
- 4. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.
- 5. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.

KEYED NOTES

- 1. REFER TO GENERAL NOTES, SPECIFICATIONS TO THE RFP AND ALL OTHER DOCUMENTS FOR THE PROJECT.
- 2. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.
- 3. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.
- 4. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.
- 5. THE CONTRACTOR SHALL VERIFY ALL CONNECTIONS AND REPORT ANY ADDITIONAL REQUIREMENTS TO THE ARCHITECT FOR APPROVAL.



RIO S.T.E.A.M. K-8 CAMPUS
2000 N. 10TH STREET, SUITE 100
DENVER, CO 80218

RIO SCHOOL DISTRICT
3000 WEST WASHINGTON AVE.
DENVER, CO 80216



Approved: _____
Date: _____

NO.	DATE	DESCRIPTION
13	08/11/11	13 FIRST FLOOR LIGHTING PLAN B
12	08/11/11	12 FIRST FLOOR LIGHTING PLAN A
11	08/11/11	11 FIRST FLOOR LIGHTING PLAN A
10	08/11/11	10 FIRST FLOOR LIGHTING PLAN A
9	08/11/11	9 FIRST FLOOR LIGHTING PLAN A
8	08/11/11	8 FIRST FLOOR LIGHTING PLAN A
7	08/11/11	7 FIRST FLOOR LIGHTING PLAN A
6	08/11/11	6 FIRST FLOOR LIGHTING PLAN A
5	08/11/11	5 FIRST FLOOR LIGHTING PLAN A
4	08/11/11	4 FIRST FLOOR LIGHTING PLAN A
3	08/11/11	3 FIRST FLOOR LIGHTING PLAN A
2	08/11/11	2 FIRST FLOOR LIGHTING PLAN A
1	08/11/11	1 FIRST FLOOR LIGHTING PLAN A

DATE: 08/11/11
 DESIGNED BY: A. S. S. S. S.
 CHECKED BY: A. S. S. S. S.
 APPROVED BY: _____
 TITLE: LIGHTING PLAN A

DS&A SUBMITTAL

EL2.21

BLDG B FIRST FLOOR LIGHTING PLAN



Summary Cost Codes Report

Vendor: COST

Labor Level: LABOR 1

26 Feb 2018 11:01:28

Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 28, HANGERS/SUPPORT										
					2.88% of Job Total		9.25% of Job Total			
160552		DEVICE SUPPORT	2	EA	6.0200	1.000	12.04	0.0500	1.000	0.10
160553	SMALL	EQUIPMENT SUPPORT	2	EA	25.8000	1.000	51.60	0.5000	1.000	1.00
160573	#10 x 1"	TEK SCREW	6	EA	0.0196	1.000	0.12	0.0240	1.000	0.14
630065	3/4	COND PUSH-IN HGR TO SCREW-ON STUD-WALL	4	EA	1.2480	1.000	4.99	0.2500	1.000	1.00
					\$68.75		2.24			
					0.94% of Job Total		8.44% of Job Total			

Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 33, BRANCH CONDUIT OH										
					0.35% of Job Total		0.00% of Job Total			
10047	3/4	EMT	20	FT	1.1187	1.000	22.37	0.0500	0.930	0.93
30137	3/4	EMT STEEL-COMP COUPLING	2	EA				0.3000	0.930	0.56
30217	3/4	EMT STEEL COMP CONNECTOR	4	EA				0.1400	1.000	0.56
					\$22.37		2.05			

Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 34 MATL, BRANCH FTNG/BOX MATL										
					20.92% of Job Total		46.26% of Job Total			
30137	3/4	EMT STEEL-COMP COUPLING	2	EA	1.4838	1.000	2.97			
30217	3/4	EMT STEEL COMP CONNECTOR	4	EA	1.3574	1.000	5.43			
					\$8.40		0.00			

Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 43, BRANCH WIRE <#8										
					74.91% of Job Total		36.05% of Job Total			
70033	12	THHN/THWN CU (STR)	88	FT	0.1956	1.000	17.21	0.0060	1.000	0.53
70034	10	THHN/THWN CU (STR)	300	FT	0.2771	1.000	83.12	0.0070	1.000	2.10
70035	8	THHN/THWN CU (STR)	600	FT	0.4440	1.000	266.43	0.0090	1.000	5.40
70062	10	XHHW CU (STR)	400	FT	0.3293	1.000	131.71	0.0080	1.000	3.20
					\$498.47		11.23			

Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 51, GEAR/XFMR/MCC/EXO										
					74.91% of Job Total		36.05% of Job Total			
180836	20/2	BOLT-ON BREAKER	3	EA	79.7800	1.000	239.34	0.5200	1.000	1.56
180873	20/3	BOLT-ON BREAKERS	5	EA	193.5097	1.000	967.55	0.7100	1.000	3.55
200123	120V 1P 1-HP	GP TOGGLE-STARTER W/ PLATE	2	EA	73.5329	1.000	147.07	0.4000	1.000	0.80
200149	120V 1P 1-HP	N-3R 7 & 9 TOGGLE-STARTER	-2	EA	310.1209	1.000	-620.24	0.9000	1.000	-1.80
220168	30/3	F/H/D/600V N-3R RT SAFETY-SW	2	EA	493.8181	1.000	987.64	2.2000	1.000	4.40

Taft Electric Company
1694 Eastman Avenue
Ventura, CA 93003

Phone: 805-642-0121
Web: www.taftelectric.com

Item #	Size	Description	Quantity	U/LH	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
230101	30 AMP	RK5 TIME DELAY 600V FUSE	6	EA	10.6208	1.000	63.72	0.0400	1.000	0.24
Cost Code CC 51, GEAR/XFMR/MCC/EXO totals:							\$1,795.07			8.75
Job totals:							\$2,383.06			24.27
							74.91% of Job Total		36.05% of Job Total	

Taft Electric Company
 1694 Eastman Avenue
 Ventura, CA 93003

Phone: 805-642-0121
 Web: www.taftelectric.com

LIGHTING EXCISE NOTES

- 1. Items to be included include electrical fees, fees or charges for new electrical equipment.
- 2. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 3. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 4. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 5. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 6. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 7. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 8. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 9. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 10. All electrical equipment shall be installed in accordance with the applicable electrical code.

- 11. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 12. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 13. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 14. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 15. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 16. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 17. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 18. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 19. All electrical equipment shall be installed in accordance with the applicable electrical code.
- 20. All electrical equipment shall be installed in accordance with the applicable electrical code.

LIGHTING FIXTURE SCHEDULE

Symbol	Code	Quantity	Description	Notes	Remarks
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50

EMERGENCY LIGHTING NOTES

- 1. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 2. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 3. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 4. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 5. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 6. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 7. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 8. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 9. All emergency lighting shall be installed in accordance with the applicable electrical code.
- 10. All emergency lighting shall be installed in accordance with the applicable electrical code.

SUBSTITUTION NOTES

- 1. All substitution notes shall be installed in accordance with the applicable electrical code.
- 2. All substitution notes shall be installed in accordance with the applicable electrical code.
- 3. All substitution notes shall be installed in accordance with the applicable electrical code.
- 4. All substitution notes shall be installed in accordance with the applicable electrical code.
- 5. All substitution notes shall be installed in accordance with the applicable electrical code.
- 6. All substitution notes shall be installed in accordance with the applicable electrical code.
- 7. All substitution notes shall be installed in accordance with the applicable electrical code.
- 8. All substitution notes shall be installed in accordance with the applicable electrical code.
- 9. All substitution notes shall be installed in accordance with the applicable electrical code.
- 10. All substitution notes shall be installed in accordance with the applicable electrical code.



ARCHITECTURE/ENGINEERING
1000 NORTH DAVENPORT AVENUE
SUITE 200
DENVER, COLORADO 80202

RIO S.T.E.A.M. K-8 CAMPUS
2800 S. WEST 140TH AVENUE
DENVER, COLORADO 80231

RIO SCHOOL DISTRICT
2800 S. WEST 140TH AVENUE
DENVER, COLORADO 80231



PROFESSIONAL BUSINESS SERVICES
1000 NORTH DAVENPORT AVENUE
SUITE 200
DENVER, COLORADO 80202



Ryan D. Noe
Professional Engineer

NO.	DATE	REVISION

DSA SUBMITTAL

LIGHTING FIXTURE SCHEDULE & NOTES

E0.03

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	QTY	UNIT	MANUFACTURER	MODEL	DATE
1	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
2	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
3	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
4	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
5	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
6	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
7	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
8	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
9	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
10	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
11	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
12	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
13	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
14	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
15	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
16	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
17	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
18	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
19	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
20	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
21	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
22	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
23	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
24	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
25	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
26	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
27	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
28	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
29	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
30	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
31	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
32	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
33	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
34	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
35	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
36	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
37	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
38	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
39	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
40	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
41	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
42	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
43	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
44	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
45	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
46	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
47	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
48	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
49	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21
50	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	10	FLUORESCENT	OSRAM	OSRAM	04/13/21

LOCATION	TYPE	QTY	DESCRIPTION	DATE
LOC-A	Electrical Room	1	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	04/13/21
LOC-B	Electrical Room	1	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	04/13/21
LOC-C	Electrical Room	1	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	04/13/21
LOC-D	Electrical Room	1	1' x 4' RECESSED FLUORESCENT PARABOLIC 1.5m WATT	04/13/21



RIO S.T.E.A.M.
K-8 CAMPUS



P.B.S.



RIO S.T.E.A.M.
K-8 CAMPUS

RIO SCHOOL DISTRICT
2000 EAST WASHINGTON AVE
DENVER, CO 80202

DATE: 05/11/21
DRAWN: A.S. MORTON
CHECKED: A.S. MORTON
APPROVED: A.S. MORTON
BY: A.S. MORTON

1. BUSH ELECTRICAL COMPANY
2. BUSH ELECTRICAL COMPANY
3. BUSH ELECTRICAL COMPANY
4. BUSH ELECTRICAL COMPANY
5. BUSH ELECTRICAL COMPANY

THIS LIGHTING FIXTURE & CONTROL SCHEDULES

E0.04

PANEL 001

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 002

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 003

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 011

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 012

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 013

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 011

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 012

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

PANEL 013

INSTALLATION SCHEDULE PER MONTH

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
NO. OF ACTIVITIES	1	2	3	4	5	6	7	8	9	10	11	12
ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12

NOTE: ACTIVITIES ARE LISTED IN ORDER OF PRECEDENCE. ACTIVITIES WITH A ZERO IN THE MONTH COLUMN ARE ACTIVITIES THAT ARE NOT SCHEDULED TO BE PERFORMED IN THAT MONTH.

D2L1	D2L2	D2L3
E1H1	E1H2	E1H3
E1L1	E1L2	E1L3



**RIO S.T.E.A.M.
K-8 CAMPUS**

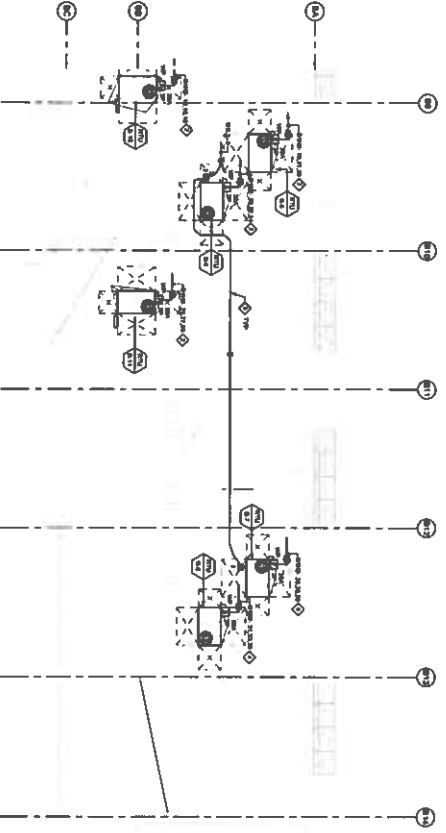
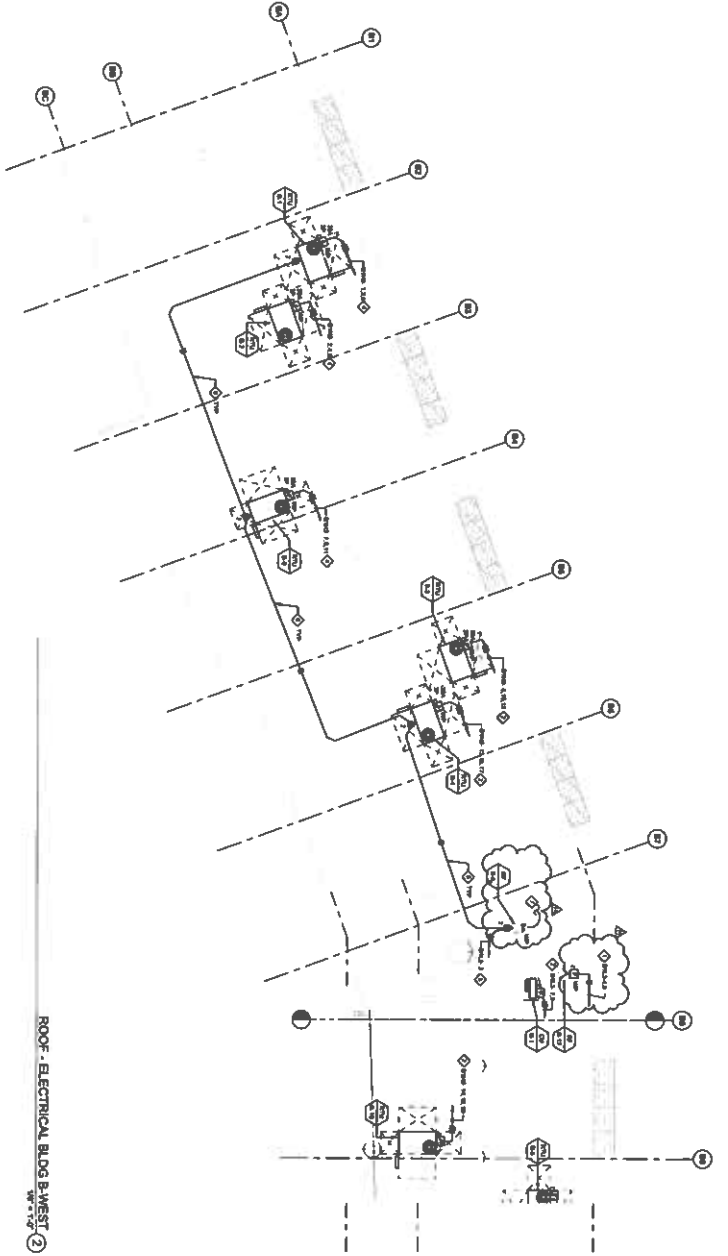
2000 N. UNIVERSITY AVENUE
AUSTIN, TX 78701
512.837.3333

RIO SCHOOL DISTRICT
1900 EAST VALLEY BLVD.
DUNTERVILLE, TX 78840



THIS PANEL SCHEDULES

E0.11



GENERAL NOTES

1. PROVIDER TO LOCATE AND/OR CORRECTLY IDENTIFY LOCATION OF EXISTING ELECTRICAL SYSTEMS AND ALL UTILITIES.
2. PROVIDER TO VERIFY ALL EXISTING ELECTRICAL SYSTEMS AND UTILITIES TO BE PROTECTED AND NOT TO BE REMOVED OR ALTERED.

KEYED NOTES

- ◇ PROVIDER TO VERIFY ALL EXISTING ELECTRICAL SYSTEMS AND UTILITIES TO BE PROTECTED AND NOT TO BE REMOVED OR ALTERED.
- ◇ PROVIDER TO VERIFY ALL EXISTING ELECTRICAL SYSTEMS AND UTILITIES TO BE PROTECTED AND NOT TO BE REMOVED OR ALTERED.
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- ◇ PROVIDER TO VERIFY ALL EXISTING ELECTRICAL SYSTEMS AND UTILITIES TO BE PROTECTED AND NOT TO BE REMOVED OR ALTERED.

AME
 3000 CALIFORNIA AVENUE
 SUITE 200
 COSTA MESA, CA 92626
 PHONE: 714.440.0000
 WWW.AME.COM

GENERAL NOTES:
 RIO S.T.E.A.M.
 K-8 CAMPUS
 PHASE 2, 2021 NORTH AVENUE, COSTA MESA, CA 92626

PBS
 PROJECT DESIGN CONSULTANTS
 2000 CALIFORNIA AVENUE, SUITE 200
 COSTA MESA, CA 92626
 PHONE: 714.440.0000
 WWW.PBS.COM



NO.	REVISION	DATE
1	ISSUE FOR PERMIT	10/20/2021
2	ISSUE FOR CONSTRUCTION	11/01/2021
3	ISSUE FOR AS-BUILT	12/01/2021
4	ISSUE FOR FINAL	01/01/2022

DATE: 10/20/2021
DESIGNER: A.M.E.
CHECKED: A.M.E.
APPROVED: A.M.E.
SCALE: AS SHOWN
PROJECT: RIO S.T.E.A.M. K-8 CAMPUS
PHASE: PHASE 2
NO.: E3.21

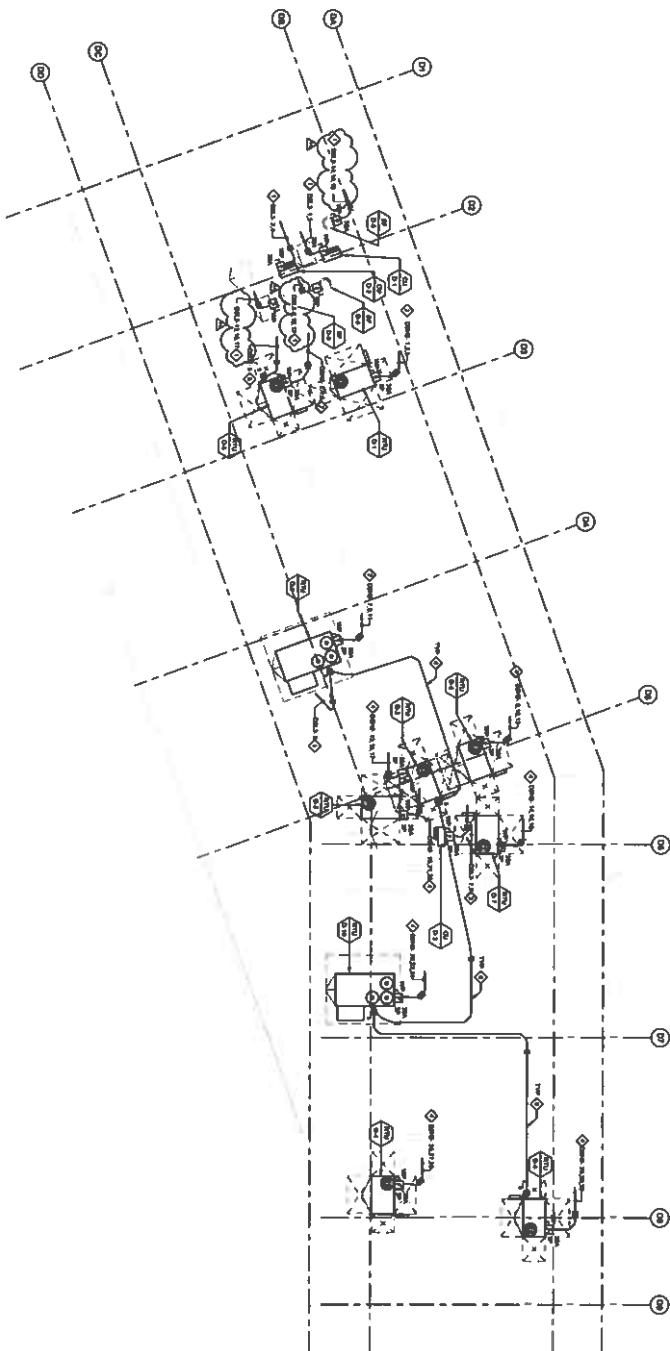
THE
BLDG B ELECTRICAL
ROOF PLAN
E3.21

GENERAL NOTES

- 1. CONSULT LOCAL AND STATE ELECTRICAL CODES AND REGULATIONS.
- 2. PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR ALL WORK.
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL FIRE ALARM AND SIGNAL CODE.

KEYED NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL FIRE ALARM AND SIGNAL CODE.
- 2. PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR ALL WORK.
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL FIRE ALARM AND SIGNAL CODE.
- 4. PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR ALL WORK.
- 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL FIRE ALARM AND SIGNAL CODE.



ROOF - ELECTRICAL BLDG D
1

A/E
 44 NORTH OAKLAND AVENUE
 SUITE 200
 OAKLAND, CA 94612
 PH: 415.778.1110
 WWW.AECONSTRUCT.COM

**RIO S.T.E.A.M.
 K-8 CAMPUS**
 3800 S. 38TH AVENUE, SUITE 100
 DENVER, CO 80202

RIO SCHOOL DISTRICT
 2800 EAST 14TH AVENUE, SUITE 100
 DENVER, CO 80202

PBS
 1500 EAST 17TH AVENUE, SUITE 100
 DENVER, CO 80202
 PH: 303.733.1111
 WWW.PBS.ORG



NO.	REVISION	DATE

DATE	DESCRIPTION
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT
03/11/2011	ISSUED FOR PERMIT



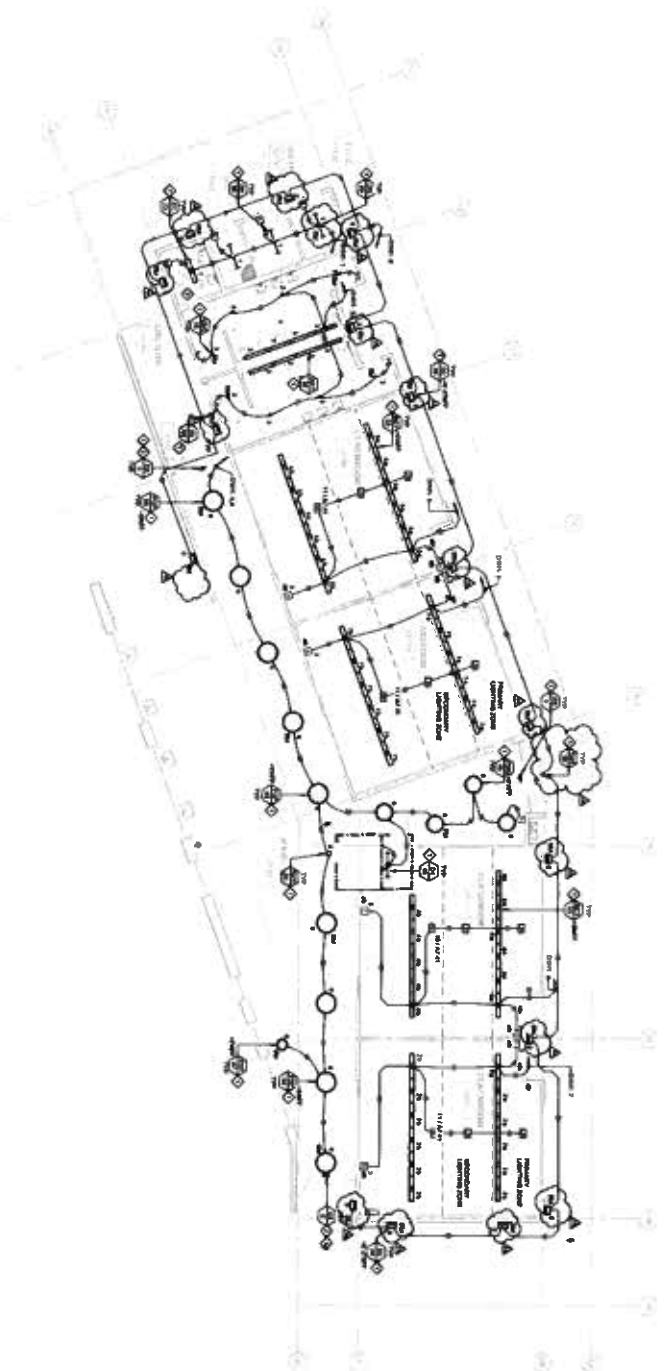
DSA SUBMITTAL

**BLDG D ELECTRICAL
 ROOF PLAN**

E3.41

ALL CONDUITS TO BE OUT LIGHT AND TIGHT TO STRUCTURE. CONCEALED UNDER CEILING. ALL BRANCH-CIRCUITS SHALL BE IDENTIFIED BY NUMBERING SYSTEM. ALL BRANCH-CIRCUITS SHALL BE IDENTIFIED BY NUMBERING SYSTEM. ALL BRANCH-CIRCUITS SHALL BE IDENTIFIED BY NUMBERING SYSTEM. ALL BRANCH-CIRCUITS SHALL BE IDENTIFIED BY NUMBERING SYSTEM.

BU - LIGHTING FIXTURES ALSO CONNECTED TO BUILDING POWER



BLDG D - FIRST FLOOR LIGHTING PLAN ①

GENERAL NOTES

1. GENERAL NOTES: REFER TO ALL NOTES ON ALL SHEETS.
2. REFER TO ALL NOTES ON ALL SHEETS.
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KEYED NOTES

- 1. REFER TO ALL NOTES ON ALL SHEETS.
- 2. REFER TO ALL NOTES ON ALL SHEETS.
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- 9. REFER TO ALL NOTES ON ALL SHEETS.
- 10. REFER TO ALL NOTES ON ALL SHEETS.



RIO S.T.E.A.M. K-8 CAMPUS
2000 S. 10TH STREET, SUITE 100
DENVER, CO 80202
TEL: 303.733.1111
WWW.RIOSTEAMCAMPUS.COM

RIO SCHOOL DISTRICT
1900 WEST WASHINGTON AVE
DENVER, CO 80202
TEL: 303.733.1111
WWW.RIOSCHOOLDISTRICT.COM

DESIGNED BY: [Firm Name]



NO.	DATE	DESCRIPTION
12	05/11/18	ISSUE FOR PERMITS
11	04/11/18	ISSUE FOR PERMITS
10	03/11/18	ISSUE FOR PERMITS
9	02/11/18	ISSUE FOR PERMITS
8	01/11/18	ISSUE FOR PERMITS
7	12/11/17	ISSUE FOR PERMITS
6	11/11/17	ISSUE FOR PERMITS
5	10/11/17	ISSUE FOR PERMITS
4	09/11/17	ISSUE FOR PERMITS
3	08/11/17	ISSUE FOR PERMITS
2	07/11/17	ISSUE FOR PERMITS
1	06/11/17	ISSUE FOR PERMITS

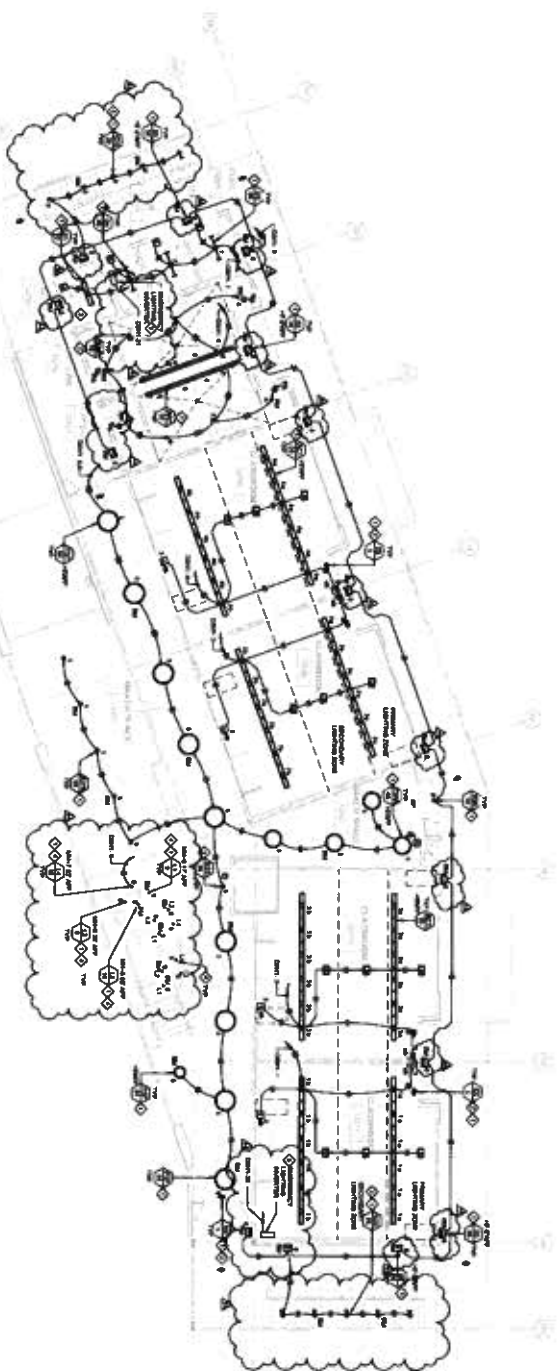
DATE: 05/11/18
DESIGNED BY: [Firm Name]
CHECKED BY: [Firm Name]
APPROVED BY: [Firm Name]
PROJECT: BLDG D - FIRST FLOOR LIGHTING PLAN

BLDG D - FIRST FLOOR LIGHTING PLAN

EL2.41

ALL CONDUITS TO BE 3/4" DIA. AND SPOT TO STRUCTURE. CONDUITS TO BE INSTALLED AT 18" SPACING UNLESS SHOWN OTHERWISE. ALL RISE AND FALLS SHALL BE WITHIN ACCEPTED PRACTICES. ALL RISE AND FALLS SHALL BE WITHIN ACCEPTED PRACTICES. ALL RISE AND FALLS SHALL BE WITHIN ACCEPTED PRACTICES. ALL RISE AND FALLS SHALL BE WITHIN ACCEPTED PRACTICES.

LED LIGHTING FIXTURES ALSO CONNECTED TO MAIN POWER.



GENERAL NOTES

1. REFER TO LIGHTING FIXTURE SCHEDULE FOR ALL LIGHTING FIXTURES.
2. REFER TO ELECTRICAL SCHEDULE FOR ALL ELECTRICAL FIXTURES.
3. REFER TO MECHANICAL SCHEDULE FOR ALL MECHANICAL FIXTURES.
4. REFER TO ARCHITECTURAL SCHEDULE FOR ALL ARCHITECTURAL FIXTURES.
5. REFER TO STRUCTURAL SCHEDULE FOR ALL STRUCTURAL FIXTURES.
6. REFER TO CIVIL SCHEDULE FOR ALL CIVIL FIXTURES.
7. REFER TO PLUMBING SCHEDULE FOR ALL PLUMBING FIXTURES.
8. REFER TO HEATING SCHEDULE FOR ALL HEATING FIXTURES.
9. REFER TO AIR CONDITIONING SCHEDULE FOR ALL AIR CONDITIONING FIXTURES.
10. REFER TO ELEVATOR SCHEDULE FOR ALL ELEVATOR FIXTURES.
11. REFER TO STAIR SCHEDULE FOR ALL STAIR FIXTURES.
12. REFER TO RAMP SCHEDULE FOR ALL RAMP FIXTURES.
13. REFER TO DRIVEWAY SCHEDULE FOR ALL DRIVEWAY FIXTURES.
14. REFER TO PARKING SCHEDULE FOR ALL PARKING FIXTURES.
15. REFER TO LANDSCAPE SCHEDULE FOR ALL LANDSCAPE FIXTURES.
16. REFER TO UTILITY SCHEDULE FOR ALL UTILITY FIXTURES.
17. REFER TO TELEPHONE SCHEDULE FOR ALL TELEPHONE FIXTURES.
18. REFER TO DATA SCHEDULE FOR ALL DATA FIXTURES.
19. REFER TO SECURITY SCHEDULE FOR ALL SECURITY FIXTURES.
20. REFER TO FIRE SCHEDULE FOR ALL FIRE FIXTURES.

KEYED NOTES

- 1. REFER TO LIGHTING FIXTURE SCHEDULE FOR ALL LIGHTING FIXTURES.
- 2. REFER TO ELECTRICAL SCHEDULE FOR ALL ELECTRICAL FIXTURES.
- 3. REFER TO MECHANICAL SCHEDULE FOR ALL MECHANICAL FIXTURES.
- 4. REFER TO ARCHITECTURAL SCHEDULE FOR ALL ARCHITECTURAL FIXTURES.
- 5. REFER TO STRUCTURAL SCHEDULE FOR ALL STRUCTURAL FIXTURES.
- 6. REFER TO CIVIL SCHEDULE FOR ALL CIVIL FIXTURES.
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- 9. REFER TO AIR CONDITIONING SCHEDULE FOR ALL AIR CONDITIONING FIXTURES.
- 10. REFER TO ELEVATOR SCHEDULE FOR ALL ELEVATOR FIXTURES.
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- 15. REFER TO LANDSCAPE SCHEDULE FOR ALL LANDSCAPE FIXTURES.
- 16. REFER TO UTILITY SCHEDULE FOR ALL UTILITY FIXTURES.
- 17. REFER TO TELEPHONE SCHEDULE FOR ALL TELEPHONE FIXTURES.
- 18. REFER TO DATA SCHEDULE FOR ALL DATA FIXTURES.
- 19. REFER TO SECURITY SCHEDULE FOR ALL SECURITY FIXTURES.
- 20. REFER TO FIRE SCHEDULE FOR ALL FIRE FIXTURES.

BLDG D - SECOND FLOOR LIGHTING PLAN



RIO S.T.E.A.M. K-8 CAMPUS

RIO SCHOOL DISTRICT

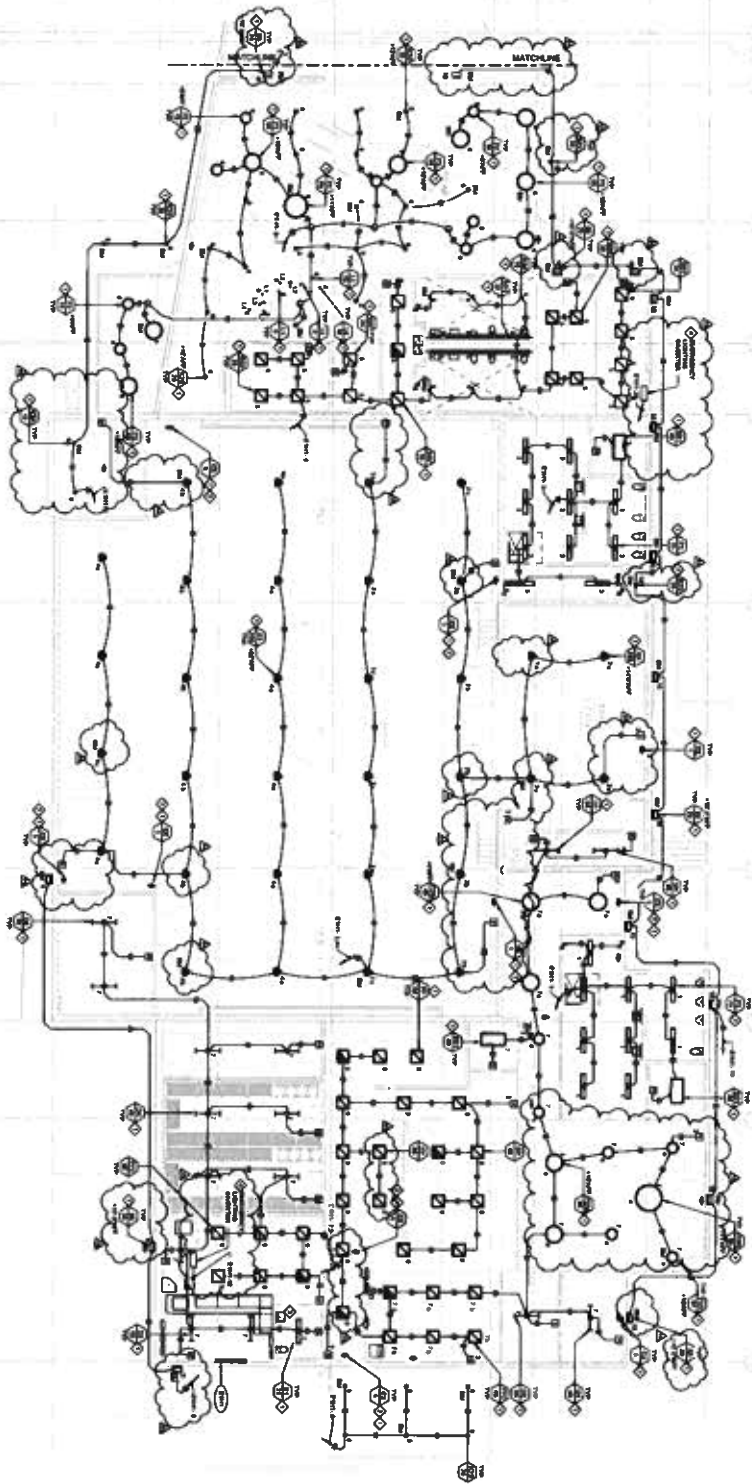
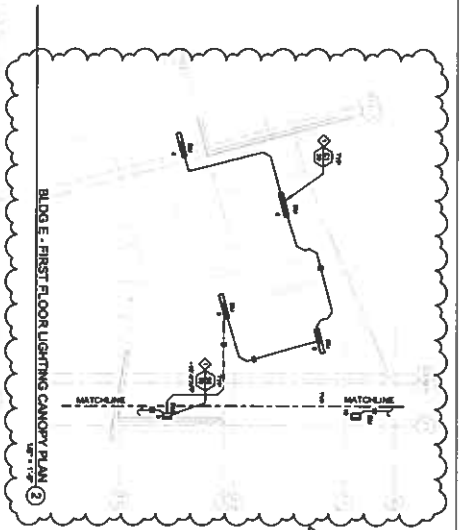


NO.	REVISION	DATE
1	ISSUE FOR PERMIT	08/11/11
2	ISSUE FOR CONSTRUCTION	08/11/11
3	ISSUE FOR OCCUPANCY	08/11/11
4	ISSUE FOR AS-BUILT	08/11/11
5	ISSUE FOR ARCHIVE	08/11/11
6	ISSUE FOR DESTRUCTION	08/11/11
7	ISSUE FOR RECONSTRUCTION	08/11/11
8	ISSUE FOR RENOVATION	08/11/11
9	ISSUE FOR REPAIR	08/11/11
10	ISSUE FOR REPLACEMENT	08/11/11
11	ISSUE FOR RESTORATION	08/11/11
12	ISSUE FOR REUSE	08/11/11
13	ISSUE FOR RECYCLING	08/11/11
14	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11
15	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11
16	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11
17	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11
18	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11
19	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11
20	ISSUE FOR REPAIR AND MAINTENANCE	08/11/11

DATE: 08/11/11
 JOB NUMBER: A-10000
 SHEET: 08/11/11
 PROJECT: RIO S.T.E.A.M. K-8 CAMPUS
 DRAWING: LIGHTING PLAN
 APPROVED: [Signature]
 DESIGNED: [Signature]
 CHECKED: [Signature]
 DRAWN: [Signature]
 DATE: 08/11/11

BLDG D SECOND FLOOR LIGHTING PLAN

EL2.42



ALL CONDITIONS TO BE SHOWN AND NOTED TO STRUCTURE CONTRACTOR TO BE OBSERVED. ALL WORK TO BE DONE SHALL BE IN ACCORDANCE WITH THE CITY OF DENVER SPECIFICATIONS AND ALL APPLICABLE CODES. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF DENVER SPECIFICATIONS AND ALL APPLICABLE CODES. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF DENVER SPECIFICATIONS AND ALL APPLICABLE CODES.

KEYED NOTES

- 1. SEE LIGHTING SCHEDULE FOR SYMBOLS AND NOTES FOR LIGHTING FIXTURES.
- 2. SEE LIGHTING SCHEDULE FOR SYMBOLS AND NOTES FOR LIGHTING FIXTURES.
- 3. SEE LIGHTING SCHEDULE FOR SYMBOLS AND NOTES FOR LIGHTING FIXTURES.
- 4. SEE LIGHTING SCHEDULE FOR SYMBOLS AND NOTES FOR LIGHTING FIXTURES.
- 5. SEE LIGHTING SCHEDULE FOR SYMBOLS AND NOTES FOR LIGHTING FIXTURES.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF DENVER AND THE COLORADO DEPARTMENT OF REVENUE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF DENVER AND THE COLORADO DEPARTMENT OF REVENUE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF DENVER AND THE COLORADO DEPARTMENT OF REVENUE.

BLDG E - FIRST FLOOR LIGHTING PLAN (1)

BLDG E FIRST FLOOR LIGHTING PLAN
EL2.51

DATE: 08/11/11
 JOB NUMBER: A-10000
 SCALE: AS SHOWN
 DRAWING NO.: 02/214
 PROJECT NO.: 0000000000
 SHEET NO.: 02/214

NO.	REVISION	DATE



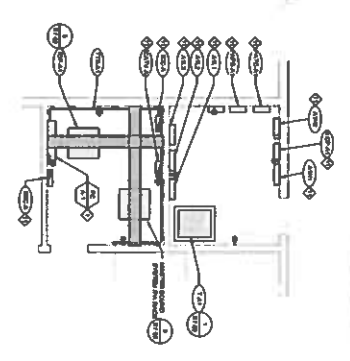
AMF
 801 NORTH CLAYTON AVENUE
 DENVER, CO 80202
 (303) 733-1111
 www.amfinc.com

RIO S.T.E.A.M. K-8 CAMPUS
 2000 S. YORK ST., DENVER, CO 80202
 (303) 733-1111

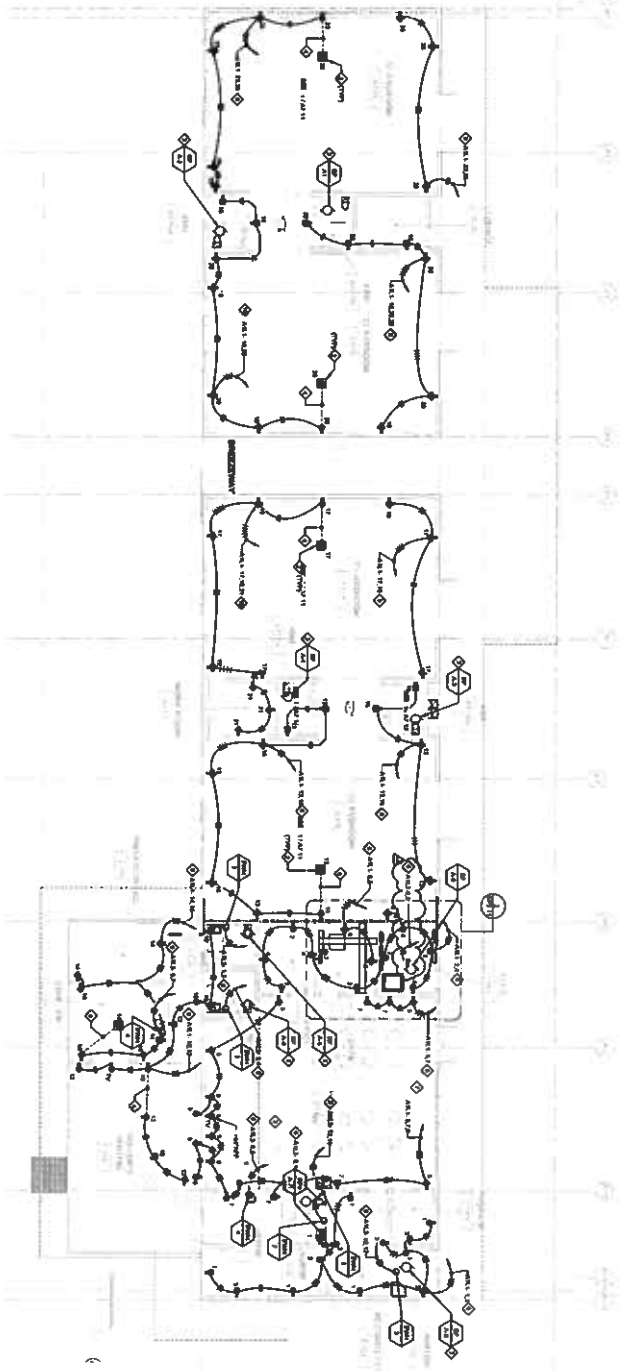
RIO SCHOOL DISTRICT
 2000 S. YORK ST., DENVER, CO 80202
 (303) 733-1111

PBS
 1000 EAST 17TH AVENUE
 DENVER, CO 80202
 (303) 733-1111
 www.pbs.org

ALL COMMENTS TO BE REMOVED AND TYPED TO ELECTRICAL CODE. ANY CHANGES TO THE ORIGINAL AND TYPED TO ELECTRICAL CODE. ANY CHANGES TO THE ORIGINAL AND TYPED TO ELECTRICAL CODE. ANY CHANGES TO THE ORIGINAL AND TYPED TO ELECTRICAL CODE.



BLDG A FIRST FLOOR ENLARGED ELECDATA
 1/8" = 1' @ 1/8"



BLDG A - FIRST FLOOR POWER PLAN
 1/8" = 1' @ 1/8"

KEYED NOTES

- 1. Power outlets are to be installed in the locations shown on this drawing. All outlets are to be 15 amp, 120 volt, single phase, with a ground.
- 2. All outlets are to be installed in the locations shown on this drawing.
- 3. All outlets are to be installed in the locations shown on this drawing.
- 4. All outlets are to be installed in the locations shown on this drawing.
- 5. All outlets are to be installed in the locations shown on this drawing.
- 6. All outlets are to be installed in the locations shown on this drawing.
- 7. All outlets are to be installed in the locations shown on this drawing.
- 8. All outlets are to be installed in the locations shown on this drawing.
- 9. All outlets are to be installed in the locations shown on this drawing.
- 10. All outlets are to be installed in the locations shown on this drawing.

GENERAL NOTES

- 1. All work to be done in accordance with the National Electrical Code, 2017 Edition, as amended by the 2018 and 2020 Amendments.
- 2. All work to be done in accordance with the requirements of the City of San Antonio, Texas.
- 3. All work to be done in accordance with the requirements of the State of Texas.
- 4. All work to be done in accordance with the requirements of the County of Bexar.
- 5. All work to be done in accordance with the requirements of the City of San Antonio.
- 6. All work to be done in accordance with the requirements of the State of Texas.
- 7. All work to be done in accordance with the requirements of the County of Bexar.
- 8. All work to be done in accordance with the requirements of the City of San Antonio.
- 9. All work to be done in accordance with the requirements of the State of Texas.
- 10. All work to be done in accordance with the requirements of the County of Bexar.
- 11. All work to be done in accordance with the requirements of the City of San Antonio.
- 12. All work to be done in accordance with the requirements of the State of Texas.
- 13. All work to be done in accordance with the requirements of the County of Bexar.
- 14. All work to be done in accordance with the requirements of the City of San Antonio.
- 15. All work to be done in accordance with the requirements of the State of Texas.
- 16. All work to be done in accordance with the requirements of the County of Bexar.
- 17. All work to be done in accordance with the requirements of the City of San Antonio.
- 18. All work to be done in accordance with the requirements of the State of Texas.
- 19. All work to be done in accordance with the requirements of the County of Bexar.
- 20. All work to be done in accordance with the requirements of the City of San Antonio.
- 21. All work to be done in accordance with the requirements of the State of Texas.
- 22. All work to be done in accordance with the requirements of the County of Bexar.
- 23. All work to be done in accordance with the requirements of the City of San Antonio.
- 24. All work to be done in accordance with the requirements of the State of Texas.
- 25. All work to be done in accordance with the requirements of the County of Bexar.

A/E
 ANTHONY M. FREEMAN
 ARCHITECTS
 1101 NORTH LOOP WEST
 SUITE 2000
 HOUSTON, TEXAS 77002

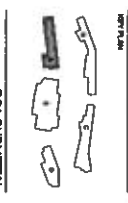
RIO S.T.E.A.M.
K-8 CAMPUS
 2800 S. STATE HIGHWAY 160
 SAN ANTONIO, TEXAS 78205

PCS
 PROJECT CONTROL SYSTEMS
 1101 NORTH LOOP WEST
 SUITE 2000
 HOUSTON, TEXAS 77002



Project Engineer: J.M.P. No. 1202

DATE: 06/27/21	SCALE: AS SHOWN
BY: JAMES M. P.	NO. 1202
CHECKED: JAMES M. P.	NO. 1202
APPROVED: JAMES M. P.	NO. 1202
TITLE: BLDG A - FIRST FLOOR POWER PLAN	

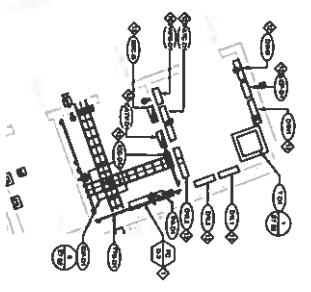


DSA SUBMITTAL

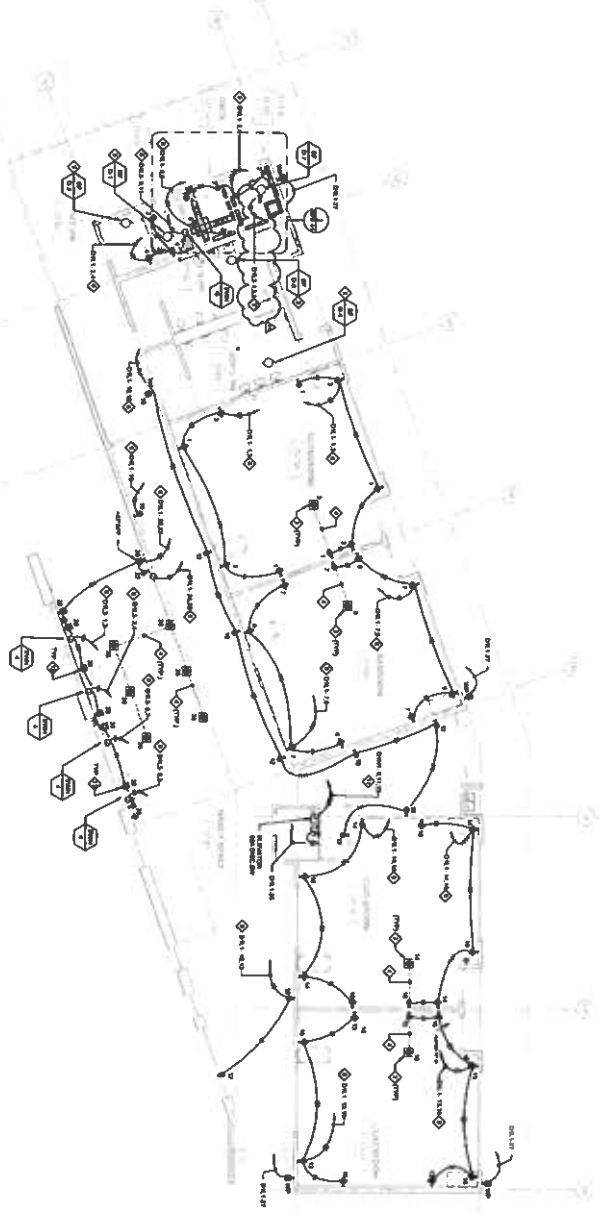
TITLE: BLDG A FIRST FLOOR POWER PLAN

PROJECT: EP2.11

ALL CONTRACTORS TO BE BIDDING MUST TURN TO STRUCTURAL ENGINEER FOR ALL CHANGES TO BE MADE TO THE ELECTRICAL SYSTEM. ALL CHANGES TO THE ELECTRICAL SYSTEM MUST BE APPROVED BY THE ELECTRICAL ENGINEER. ALL CHANGES TO THE ELECTRICAL SYSTEM MUST BE APPROVED BY THE ELECTRICAL ENGINEER. ALL CHANGES TO THE ELECTRICAL SYSTEM MUST BE APPROVED BY THE ELECTRICAL ENGINEER.



Callout of BLDG D FIRST FLOOR ENLARGED
ELEC/DATA RML 1
1/16" = 1'-0"



BLDG D - FIRST FLOOR POWER PLAN
1/16" = 1'-0" ①

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL ELECTRICAL WORK IS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
2. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
3. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
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KEYED NOTES

- ◆ CONTRACTOR SHALL VERIFY ALL ELECTRICAL WORK IS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
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- ◆ ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.

A/E
ARCHITECTS
11 NORTH DALLAS AVENUE
SUITE 2000
DALLAS, TEXAS 75201
PHONE: 214.760.0000
WWW.AEARCHITECTS.COM

**RIO S.T.E.A.M.
K-8 CAMPUS**
2800 S. 10TH STREET, SUITE 100
DALLAS, TEXAS 75205
PHONE: 214.760.0000

RIO SCHOOL DISTRICT
2800 S. 10TH STREET, SUITE 100
DALLAS, TEXAS 75205
PHONE: 214.760.0000

PBS
1100 MARSHALL STREET
DALLAS, TEXAS 75202
PHONE: 214.760.0000



NO.	REVISION	DATE
1	ISSUE FOR BIDDING	08/11/17
2	REVISED PER RFP	08/11/17
3	REVISED PER RFP	08/11/17
4	REVISED PER RFP	08/11/17
5	REVISED PER RFP	08/11/17
6	REVISED PER RFP	08/11/17
7	REVISED PER RFP	08/11/17
8	REVISED PER RFP	08/11/17
9	REVISED PER RFP	08/11/17
10	REVISED PER RFP	08/11/17

DATE	BY	REVISION
08/11/17	DL	ISSUE FOR BIDDING
08/11/17	DL	REVISED PER RFP
08/11/17	DL	REVISED PER RFP
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08/11/17	DL	REVISED PER RFP
08/11/17	DL	REVISED PER RFP



DSA SUBMITTAL

THIS
BLDG D FIRST FLOOR
POWER PLAN

EP2.41



GAYLAIRD CHRISTOPHER, FAIA
RACHEL ADAMS, AIA, LEED AP

April 8, 2018

Rob Perks
Project Manager
Balfour Beatty Construction
300 East Esplanade, Suite 1120
Oxnard, CA 93036

RE: PCO #20.10 Added cost for camera infrastructure

Dear Rob,

We have received PCO #20.10 on 3/30/18 and reviewed against bid drawings and can accept Balfour Beatty's recommendation to approve the cost of \$58,567 to add camera infrastructure per District Direction.

Sincerely,



Rachel Adams, AIA, LEED AP
Managing Principal

Balfour Beatty Construction

Architecture for Education
41 N Fair Oaks Ave
Pasadena, CA 91103

March 27, 2018

Attn; Rachel Adams

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #20 Electrical and Elevator
Recommendation to Approve PCO #20.10 to Taft Electric

Dear Ms. Adams,

Please accept this letter as recommendation to request approval for PCO #20.10 to Taft Electric for added or deleted scope items at the above Project. Scope change to the project is as follows;

Item 1.1 Added cost for additional conduit for Camera System

Reason; Added cost for additional conduit for Camera System in buildings A, B, D, E.

Project Cost Update:

Taft Electric Base Agreement	\$4,462,000.00
PCO #20.10	<u>\$58,567.00</u>
Previous PCO #20.1	<u>(\$42,975.00)</u>
Previous PCO #20.2	<u>\$52,501.00</u>
Previous PCO #20.3	<u>\$23,000.00</u>
Previous PCO #20.4	<u>\$17,321.00</u>
Previous PCO #20.5	<u>\$12,226.00</u>
Previous PCO #20.6	<u>\$2,394.00</u>
Previous PCO #20.7	<u>\$13,403.00</u>
Previous PCO #20.8	<u>\$5,364.00</u>
Previous PCO #20.9	<u>\$94,702.00</u>
Total Construction Cost to Date	\$4,698,512.00

Should you have any questions, please contact me at any time.

Respectfully,

Robert Perks
Project Manager, Balfour Beatty

cc. Kristen Pifko (Rio School District)
Jesus Muguerza Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

Rio School District

PCO #20.10

Project No 0045-015

3/27/2018

Rio STEAM K-8 Campus

BP#20 Electrical and Elevator

Taft Electric

Original Contract

\$ 4,462,000.00

Item No.	GC No.	Description	Reason	Cost/Credit
1.1		Added cost for additional conduit for Camera System	Added cost for additional conduit for Camera System in buildings A, B, D, E.	\$ 58,567.00

Total PCO #20.10	\$ 58,567.00
Previous PCO #20.1	\$ (42,975.00)
Previous PCO #20.2	\$ 52,510.00
Previous PCO #20.3	\$ 23,000.00
Previous PCO #20.4	\$ 17,321.00
Previous PCO #20.5	\$ 12,226.00
Previous PCO #20.6	\$ 2,394.00
Previous PCO #20.7	\$ 13,403.00
Previous PCO #20.8	\$ 5,364.00
Previous PCO #20.9	\$ 94,702.00
Original Contract	\$ 4,462,000.00
Revised Contract	\$ 4,698,512.00



PCO #018

Taft Electric
1694 Eastman Avenue
Ventura, California 93003
Phone: (805) 642-0121

Project: 2257 - RIO STEAM K-8 Campus
2999 North Ventura Road
Oxnard, California 93036

Change Order Request #018: CE #028 - Conduit for Added Cameras - Sonitrol

Table with 4 columns: TO, FROM, PCO NUMBER/REVISION, CONTRACT, REQUEST RECEIVED FROM, CREATED BY, STATUS, CREATED DATE, REFERENCE, FIELD CHANGE, SCHEDULE IMPACT, LOCATION, TOTAL AMOUNT.

POTENTIAL CHANGE ORDER TITLE: CE #028 - Conduit for Added Cameras - Sonitrol

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

CE #028 - Conduit for Added Cameras - Sonitrol
Add Conduit for Camera System

Add Camera System Complete - Sonitrol - NOT INCLUDED IN THIS PROPOSAL

This change proposal is based on the usual cost elements such as labor, materials, and markup and does not include any amounts for impacts such as interference, trade stacking, disruptions, rescheduling, changes in the sequence of work, delays, and/or associated acceleration costs. We expressly reserve our right to submit our request for any of these items should we be faced with performing work under any of these conditions. This cost proposal supersedes all previously submitted cost proposals relating to this same work. The work of other trades which may be required to complete this change order is not part of this proposal. This quote is valid for 30 calendar days from the above date. We reserve our right to re-quote this change proposal should the approval take longer than 30 days.

Qualifications/Exclusions:

Price includes changes to the following:

- 1. All work to be done during normal working hours. No overtime or premium time is included.
2. Proposal will need to be Approved or written direction to proceed by BBC PM will need to be received prior to this work commencing.
3. Conduit system for camera cable, no plans were provided for this. Taft met with Sonitrol to discuss conduit routes and sizes.
4. Boxes for cameras at locations highlighted on plans provided by architect/BBC. See attached for locations.
5. Conduit and boxes will need to be installed prior to denglass and drywall. If approval and direction is not provided prior to this, the walls will need to be removed by others and proposal will be subject to being repriced due to changed conditions.
6. Price includes Building A, B, D and E. No site or pole locations are included.

Please sign this proposal and provide a Contract Change Order for billing purposes if you agree as proposed.

ATTACHMENTS:

Table with 4 columns: #, Cost Code, Description, Type, Amount. Includes rows for Added Camera Conduit, Sonitrol - Cameras, Video Surveillance-NOT INCLUDED, Subtotal, and Grand Total.

Job ID: 2257 BGS
 Project: COR



Summary Cost Codes Report

Vendor: COST

Labor Level: LABOR 1

8 Feb 2018 8:41:32

Cost Code CC 28, HANGERS/SUPPORT		4.27% of Job Total		19.58% of Job Total						
Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
160573	#10 x 1"	TEK SCREW	672	EA	0.0196	1.000	13.19	0.0240	1.000	16.13
630066	1	COND PUSH-IN HGR TO SCREW-ON STUD-WALL	306	EA	1.2572	1.000	384.71	0.2500	1.000	76.50
640001		4-Sq HGR SCREW TO STUD-WALL	30	EA	0.6622	1.000	19.87	0.0700	1.000	2.10
Cost Code CC 28, HANGERS/SUPPORT totals:							\$417.77			94.73

Cost Code CC 29, FIRESTOPPING		3.65% of Job Total		13.64% of Job Total						
Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
740100	1	FIRE STOP WALL/FLOOR SEAL	60	EA	5.9500	1.000	357.00	1.1000	1.000	66.00
Cost Code CC 29, FIRESTOPPING totals:							\$357.00			66.00

Cost Code CC 33, BRANCH CONDUIT OH		66.98% of Job Total		64.99% of Job Total						
Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
4		PLATE	60		30.0000	1.000	1,800.00	0.5000	1.000	30.00
10048	1	EMT	2,550	FT	1.8641	1.000	4,753.38	0.0550	0.930	130.43
30138	1	EMT STEEL-COMP COUPLING	255	EA				0.4000	1.000	94.86
30218	1	EMT STEEL COMP CONNECTOR	60	EA				0.1600	1.000	18.00
40209	1	GRD BUSHING INSULATED	60	EA				0.0750	1.000	6.75
50003	1	FLEXIBLE STEEL CONDUIT	90	FT				0.2040	1.000	6.12
50025	1	FLEX COND ANGLE CONN	30	EA				0.1700	1.000	5.10
50036	1	FLEX COND STRAIGHT CONN	30	EA				0.3000	1.000	9.00
150122	2-1/8"D 42.0-CI	4-11/16" BOX /NO BRKT	30	EA				0.3000	1.000	9.00
150139	1.0"RISE 13.5-CI	2G 4-11/16" PLASTER-RING	30	EA				0.1500	1.000	4.50
Cost Code CC 33, BRANCH CONDUIT OH totals:							\$6,553.38			314.36

Cost Code CC 34 MATL, BRANCH FTNG/BOX MATL		24.15% of Job Total		0.00% of Job Total						
Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
30138	1	EMT STEEL-COMP COUPLING	255	EA	2.7791	1.000	708.66			
30218	1	EMT STEEL COMP CONNECTOR	60	EA	2.9461	1.000	176.77			
40209	1	GRD BUSHING INSULATED	60	EA	8.3132	1.000	498.79			
50003	1	FLEXIBLE STEEL CONDUIT	90	FT	1.4649	1.000	131.84			
50025	1	FLEX COND ANGLE CONN	30	EA	7.2540	1.000	217.62			
50036	1	FLEX COND STRAIGHT CONN	30	EA	2.7067	1.000	81.20			
150122	2-1/8"D 42.0-CI	4-11/16" BOX /NO BRKT	30	EA	8.2357	1.000	247.07			
150139	1.0"RISE 13.5-CI	2G 4-11/16" PLASTER-RING	30	EA	10.0116	1.000	300.35			

Taft Electric Company
 1694 Eastman Avenue
 Ventura, CA 93003

Phone: 805-642-0121
 Web: www.taftelectric.com

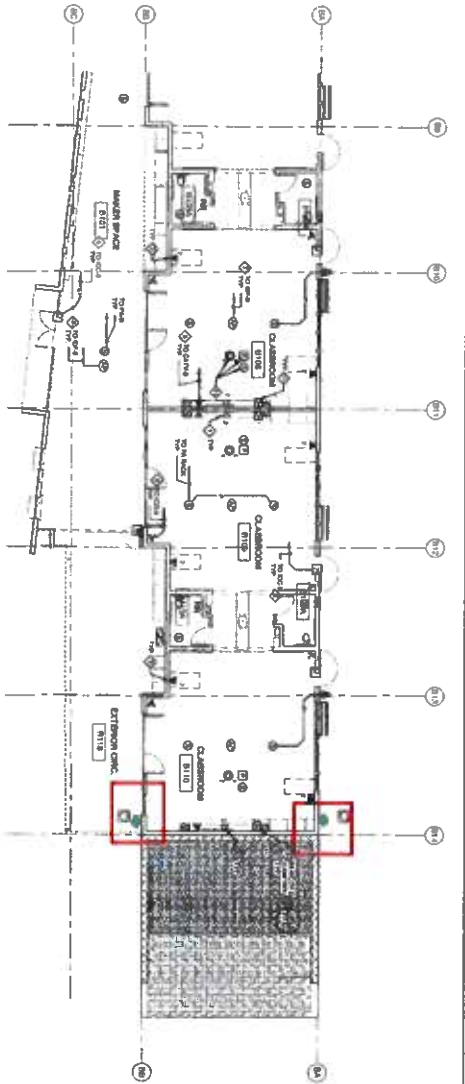
Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 38, MC/AC/BX CABLE										
500121		PULL LINE (STRING)	2,850	FT	0.0200	1.000	57.10	0.0026	1.000	7.41
					0.58% of Job Total			1.53% of Job Total		
					\$2,362.30			0.00		

Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
Cost Code CC 34 MATL, BRANCH FTNG/BOX MATL totals:										
					0.37% of Job Total			0.25% of Job Total		
					\$57.10			7.41		

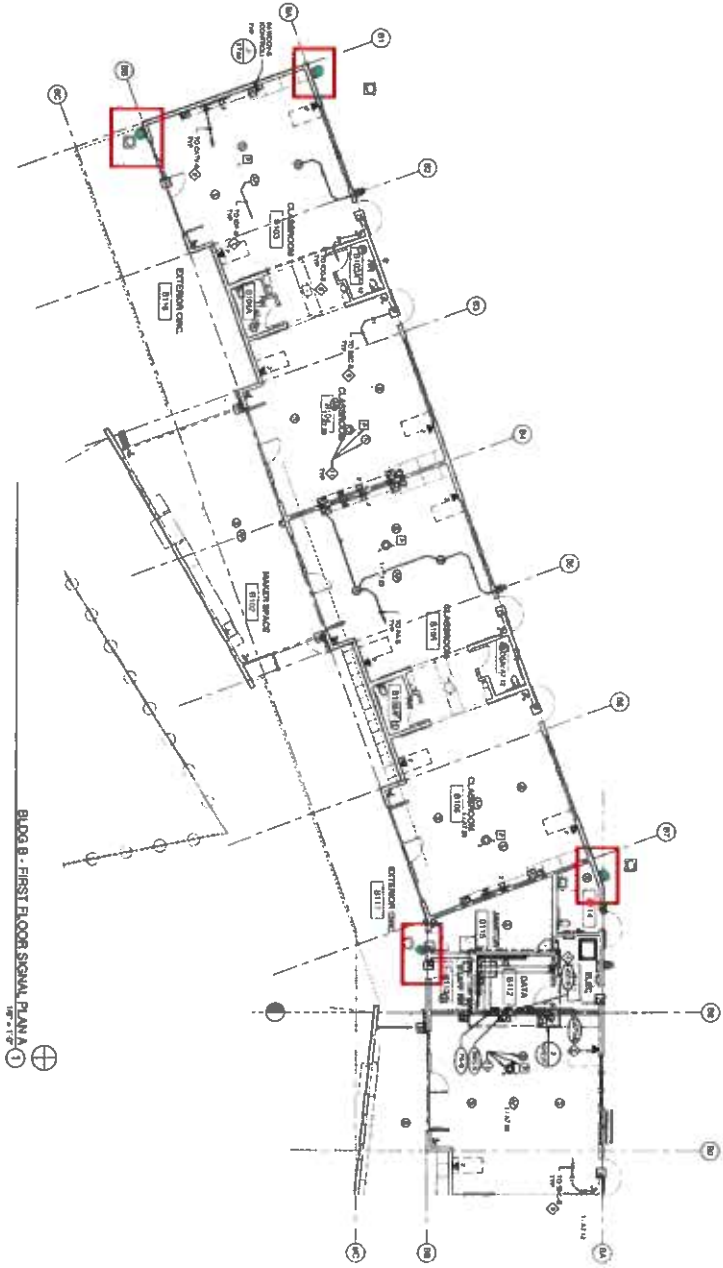
Item #	Size	Description	Quantity	U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
100081	#12	PIGTAIL W/GRD SCREW	30	EA	1.2000	1.000	36.00	0.0400	1.000	1.20
					0.37% of Job Total			0.25% of Job Total		
					\$36.00			1.20		
Cost Code CC 58, TERMINATION/SPLICE										
					\$36.00			1.20		
Job totals:					\$9,783.54			483.70		

Taft Electric Company
 1694 Eastman Avenue
 Ventura, CA 93003

Phone: 805-642-0121
 Web: www.taftelectric.com



BLDG B - FIRST FLOOR SIGNAL PLAN B



BLDG B - FIRST FLOOR SIGNAL PLAN A

GENERAL NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 9. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).

KEYED NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
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- 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).

ALL CONTRACTORS TO BE IN FULL AND TOTAL COMPLIANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA). ALL CONTRACTORS SHALL BE LICENSED AND REGISTERED WITH THE STATE OF CALIFORNIA. ALL CONTRACTORS SHALL BE IN FULL COMPLIANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA). ALL CONTRACTORS SHALL BE IN FULL COMPLIANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).

AE
ARCHITECTURAL ENGINEERING
REGISTERED ARCHITECT
1000 WEST 10TH AVENUE
SUITE 2000
DENVER, COLORADO 80202
www.aeengineering.com

**RIO S.T.E.A.M.
K-8 CAMPUS**
2800 130TH AVENUE
DENVER, CO 80229

RIO SCHOOL DISTRICT
2800 130TH AVENUE
DENVER, CO 80229

PBS
PUBS
2800 130TH AVENUE
DENVER, CO 80229

PROJECT NO. 1301001001
DATE: 03/11/2014
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DATE: 03/11/2014

ES2.21

PROJECT: BLDG B FIRST FLOOR SIGNAL PLAN

DATE: 03/11/2014

DATE: 03/11/2014
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DATE: 03/11/2014

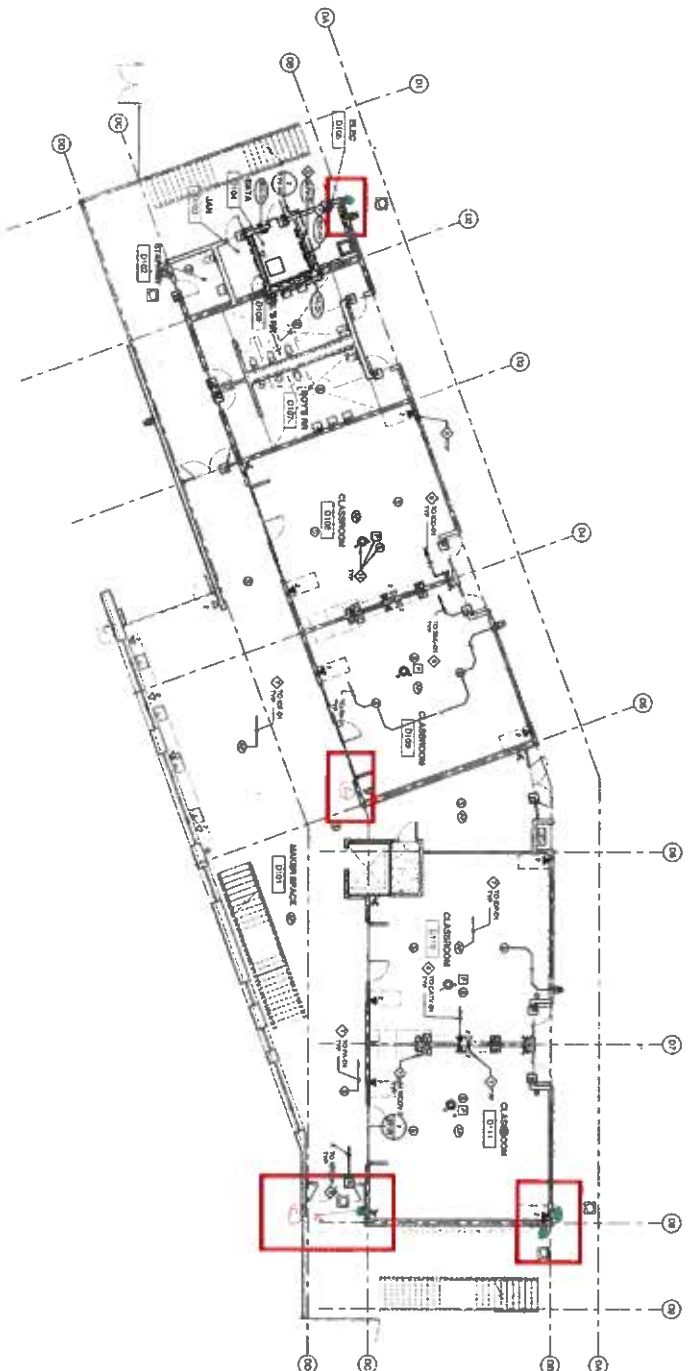
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DATE: 03/11/2014

ALL CONTRACTORS TO BE REVIEWED AND NOTED TO STRUCTURAL ENGINEER AND ARCHITECT PRIOR TO ANY CONSTRUCTION. ALL WORK TO BE REVIEWED AND APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT OF WORK. CONTRACTORS TO VERIFY ALL WORK IS COMPLETED AND INSPECTED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO ANY SUBMITTAL TO THE LOCAL HEALTH DEPARTMENT FOR REVIEW AND APPROVAL.

GENERAL NOTES

- 1. SEE ALL NOTES ON ALL SHEETS FOR GENERAL NOTES AND SPECIFICATIONS.
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPC).
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES AND STANDARDS.
- 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC).
- 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL MECHANICAL ENERGY CODE (NMEC).
- 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE ALARM AND SIGNALING CODE (NFAS).
- 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL SAFETY CODE (NSC).
- 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC).
- 9. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL MECHANICAL ENERGY CODE (NMEC).
- 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE ALARM AND SIGNALING CODE (NFAS).
- 11. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL SAFETY CODE (NSC).
- 12. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC).
- 13. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL MECHANICAL ENERGY CODE (NMEC).
- 14. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE ALARM AND SIGNALING CODE (NFAS).
- 15. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL SAFETY CODE (NSC).
- 16. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC).
- 17. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL MECHANICAL ENERGY CODE (NMEC).
- 18. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE ALARM AND SIGNALING CODE (NFAS).
- 19. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL SAFETY CODE (NSC).
- 20. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC).



BLDG D - FIRST FLOOR SIGNAL PLANT
1/2" = 1'-0"

AME
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www.architecturalmechanical.com

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DOWNEY, CA 90242

RIO SCHOOL DISTRICT
1800 WEST WASHINGTON ST
DOWNEY, CA 90242

PBS
PBS EDUCATION FUND
200 WEST 57TH ST
NEW YORK, NY 10019
212.512.1111
www.pbs.org



REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/17	ISSUE FOR PERMIT

REVISIONS

NO.	DATE	DESCRIPTION
1	11/20/17	ISSUE FOR PERMIT

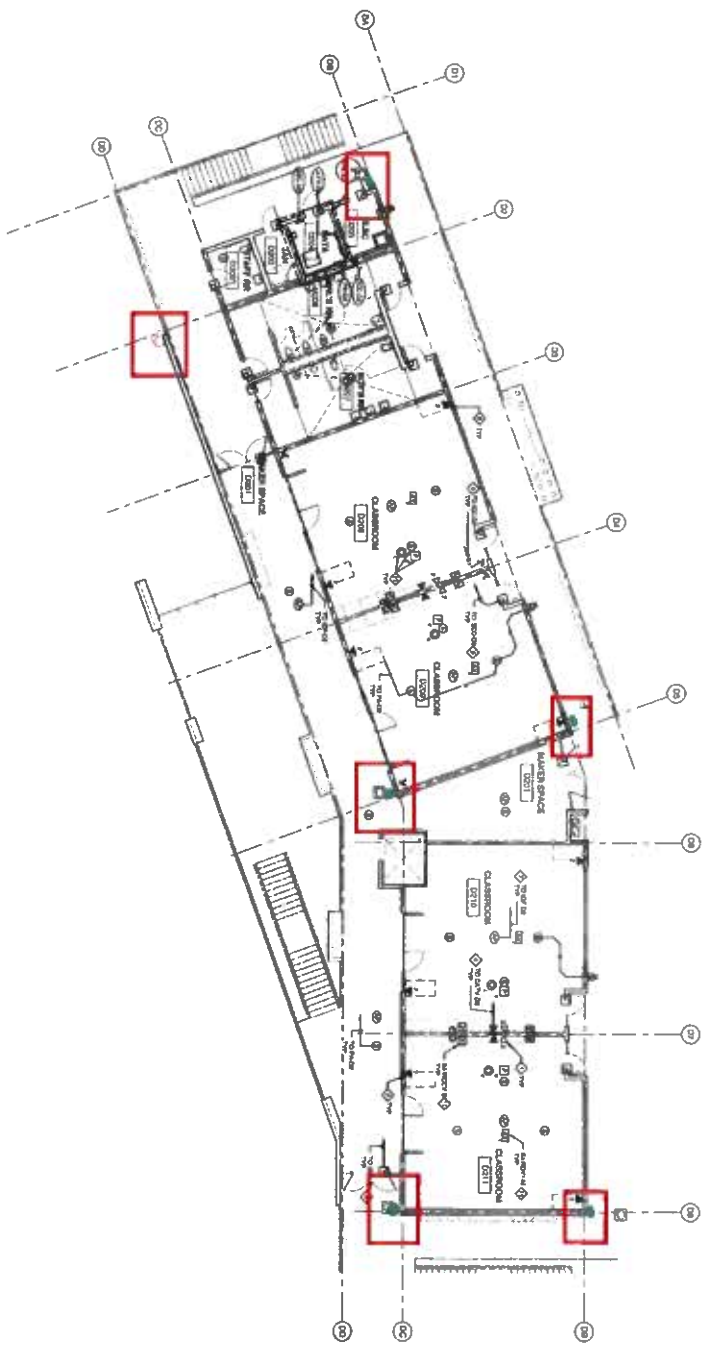


DSA SUBMITTAL

TITLE: BLDG D FIRST FLOOR SIGNAL PLAN

SHEET: **ES2.41**

ALL COMPONENTS TO BE REINFORCED AND TIED TO STRUCTURE. CONCRETE SHALL BE CAST IN PLACE. ALL REINFORCING SHALL BE CONCRETE REINFORCING BARS (REBAR) WITH APPROPRIATE TIES. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.



BLDG D - SECOND FLOOR SIGNAL PLAN 1
1/8" = 1'-0"

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL COMPONENTS TO BE REINFORCED AND TIED TO STRUCTURE.
2. ALL REINFORCING SHALL BE CONCRETE REINFORCING BARS (REBAR) WITH APPROPRIATE TIES.
3. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
4. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.

KEYED NOTES

1. ALL COMPONENTS TO BE REINFORCED AND TIED TO STRUCTURE.
2. CONCRETE SHALL BE CAST IN PLACE.
3. ALL REINFORCING SHALL BE CONCRETE REINFORCING BARS (REBAR) WITH APPROPRIATE TIES.
4. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
5. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
6. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
7. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
8. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
9. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.
10. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE REINFORCING SCHEDULE AND THE REINFORCING SCHEDULE SHALL BE APPROVED BY THE ARCHITECT.



AME
ARCHITECTURAL MANAGEMENT ENGINEERS
1000 N. 10TH AVENUE
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RIO STEAM
K-8 CAMPUS
7800 S 28TH AVENUE, NORTHGLENN, CO 80645
DENVER, CO 80242

RIO SCHOOL DISTRICT
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DENVER, CO 80202



PBS
1515 N. ST. PETER'S AVENUE
DENVER, CO 80202
303.733.8000
www.pbs.org



David R. Smith
Professional Engineer
License No. 100000000000000000
100000000000000000

NO.	DATE	DESCRIPTION
1	10/1/2023	ISSUED FOR PERMIT
2	10/1/2023	ISSUED FOR PERMIT
3	10/1/2023	ISSUED FOR PERMIT
4	10/1/2023	ISSUED FOR PERMIT
5	10/1/2023	ISSUED FOR PERMIT
6	10/1/2023	ISSUED FOR PERMIT
7	10/1/2023	ISSUED FOR PERMIT
8	10/1/2023	ISSUED FOR PERMIT
9	10/1/2023	ISSUED FOR PERMIT
10	10/1/2023	ISSUED FOR PERMIT

DATE: 10/1/2023
DRAWN BY: [Name]
CHECKED BY: [Name]
SCALE: AS SHOWN
SHEET NO.: 2
TOTAL SHEETS: 2



DSA SUBMITTAL

BLDG D SECOND FLOOR
SIGNAL PLAN

ES2.42



GAYLAIRD CHRISTOPHER, FAIA
RACHEL ADAMS, AIA, LEED AP

April 8, 2018

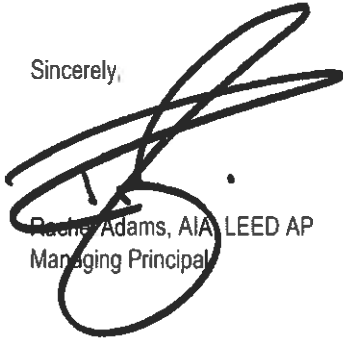
Rob Perks
Project Manager
Balfour Beatty Construction
300 East Esplanade, Suite 1120
Oxnard, CA 93036

RE: PCO #20.11 Power to Irrigation Pump

Dear Rob,

We have received PCO #20.11 and reviewed. Labor estimate provided appears to be high by approximately 30%. A4E proposes accepting a cost of \$10,439 for RSD Board Approval.

Sincerely,



Rachel Adams, AIA LEED AP
Managing Principal

Balfour Beatty Construction

Architecture for Education
41 N Fair Oaks Ave
Pasadena, CA 91103

March 19, 2018

Attn; Rachel Adams

Subject: Rio STEAM K-8 Campus
Rio School District
Oxnard, CA

Re: Project 0045-015 Rio STEAM K-8 Campus
BP #20 Electrical and Elevator
Recommendation to Approve PCO #20.11 to Taft Electric

Dear Ms. Adams,
Please accept this letter as recommendation to request approval for PCO #20.11 to Taft Electric for added or deleted scope items at the above Project. Scope change to the project is as follows;

Item 1.1 Added cost Per RFI#0296- Power to Irrigation Pump
Reason; Added cost per revised sheet E1.03, install conduit and wiring for power connection to (2) irrigation controllers and (1) pump.

Project Cost Update;

Taft Electric Base Agreement	\$4,462,000.00
PCO #20.11	\$13,345.00
Previous PCO #20.1	(\$42,975.00)
Previous PCO #20.2	\$52,501.00
Previous PCO #20.3	\$23,000.00
Previous PCO #20.4	\$17,321.00
Previous PCO #20.5	\$12,226.00
Previous PCO #20.6	\$2,394.00
Previous PCO #20.7	\$13,403.00
Previous PCO #20.8	\$5,364.00
Previous PCO #20.9	\$94,702.00
Previous PCO #20.10	\$58,567.00
Total Construction Cost to Date	\$4,711,857.00

Should you have any questions, please contact me at any time.

Respectfully,

Robert Perks
Project Manager, Balfour Beatty

cc. Kristen Pifko (Rio School District)
Jesus Muguerra Ibarra, Balfour Beatty
Dennis Kuykendall, Balfour Beatty

The contractors labor estimates for PCO 20.11 appear to be high by approx. 30%. and should be revised accordingly.
T.Edmondson PBS Engineers Inc.

Rio School District

Project No 0045-015

Rio STEAM K-8 Campus

BP#20 Electrical and Elevator

Taft Electric

PCO #20.11

3/16/2018

Original Contract

\$ 4,462,000.00

Item No.	GC No.	Description	Reason	Cost/Credit
1.1		Added cost Per RFI#0296- Power to Irrigation Pump	Added cost per revised sheet E1.03, install conduit and wiring for power connection to (2) Irrigation controllers and (1) pump.	\$ 13,345.00

Total PCO #20.11	\$ 13,345.00
Previous PCO #20.1	\$ (42,975.00)
Previous PCO #20.2	\$ 52,510.00
Previous PCO #20.3	\$ 23,000.00
Previous PCO #20.4	\$ 17,321.00
Previous PCO #20.5	\$ 12,226.00
Previous PCO #20.6	\$ 2,394.00
Previous PCO #20.7	\$ 13,403.00
Previous PCO #20.8	\$ 5,364.00
Previous PCO #20.9	\$ 94,702.00
Previous PCO #20.10	\$ 58,567.00
Original Contract	\$ 4,462,000.00
Revised Contract	\$ 4,711,857.00



PCO #019

Taft Electric
1694 Eastman Avenue
Ventura, California 93003
Phone: (805) 642-0121

Project: 2257 - RIO STEAM K-8 Campus
2999 North Ventura Road
Oxnard, California 93036

Change Order Request #019: CE #037 - Irrigation Booster Pump Power

Table with 4 columns: TO, FROM, PCO NUMBER/REVISION, CONTRACT, REQUEST RECEIVED FROM, CREATED BY, STATUS, CREATED DATE, REFERENCE, FIELD CHANGE, SCHEDULE IMPACT, LOCATION, TOTAL AMOUNT.

POTENTIAL CHANGE ORDER TITLE: CE #037 - Irrigation Booster Pump Power

CHANGE REASON: RFI Directive

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)
CE #037 - Irrigation Booster Pump Power

This change proposal is based on the usual cost elements such as labor, materials, and markup and does not include any amounts for impacts such as interference, trade stacking, disruptions, rescheduling, changes in the sequence of work, delays, and/or associated acceleration costs. We expressly reserve our right to submit our request for any of these items should we be faced with performing work under any of these conditions. This cost proposal supersedes all previously submitted cost proposals relating to this same work. The work of other trades which may be required to complete this change order is not part of this proposal. This quote is valid for 30 calendar days from the above date. We reserve our right to re-quote this change proposal should the approval take longer than 30 days.

Qualifications/Exclusions:

Price includes changes to the following:

- 1. All work to be done during normal working hours. No overtime or premium time is included.
2. Proposal will need to be Approved or written direction provided in order to proceed by BBC. PM will need to be received prior to this work commencing.
3. Price includes Clouded plan changes only, if additional changes have been made that are not clouded, additional pricing or revised pricing to follow.
4. Price per Revised Sheet E1.03 dated 3/6/18.
5. Notes call for 3/4" conduit and #12 wire, spec requires 1" minimum and #10.
6. Power connection only to 2 irrigation controllers and 1 pump. Controllers and pump provided and installed by others.
7. Data conduit with pull string to data room for irrigation controllers.

Please sign this proposal and provide a Contract Change Order for billing purposes if you agree as proposed.

ATTACHMENTS:

Table with 5 columns: #, Cost Code, Description, Type, Amount. Includes Subtotal and Grand Total rows.

\$10,439

Job ID: 2257 BGS
 Project: COR



Summary Cost Codes Report

Vendor: COST

Labor Level: LABOR 1

15 Mar 2018 16:37:14

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
390122	12" X 30" DEEP	BACKHOE TRENCH+BACKFILL	300 FT	3.5294	1.000	1,058.82	0.0173	1.000	5.19
				Cost Code CC 11, TRENCH/BACKFILL totals:					
				35.94% of Job Total			4.92% of Job Total		
							\$1,058.82		
							5.19		

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
10059	1	PVC SCH 40	950 FT	0.4484	1.000	426.00	0.0525	1.000	49.88
30300	1	PVC FEMALE ADAPTER	10 EA				0.1800	1.000	1.80
				Cost Code CC 31, BRANCH CONDUIT UG totals:					
				14.46% of Job Total			49.03% of Job Total		
							\$426.00		
							51.68		

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
10002	1	GRC	50 FT	4.6278	1.000	231.39	0.0700	1.000	3.50
10212	1	CONDUIT CUT & THREAD	10 EA	0.0000	1.000	0.00	0.4000	1.000	4.00
20108	1	GRC 90-DEG ELBOW	10 EA				0.5000	1.000	5.00
30002	1	GRC COUPLING	10 EA				0.2000	1.000	2.00
30357	1	GRC LB CONDUIT BODY	3 EA				0.8000	1.000	2.40
40117	1	LOCKNUT	20 EA				0.2000	1.000	4.00
40221	1	GROUNDING BUSHING	10 EA				0.3000	1.000	3.00
				Cost Code CC 33, BRANCH CONDUIT OH totals:					
				7.85% of Job Total			22.66% of Job Total		
							\$231.39		
							23.90		

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
20108	1	GRC 90-DEG ELBOW	10 EA	10.3668	1.000	103.67			
30002	1	GRC COUPLING	10 EA	2.9984	1.000	29.98			
30300	1	PVC FEMALE ADAPTER	10 EA	0.3894	1.000	3.89			
30357	1	GRC LB CONDUIT BODY	3 EA	14.3370	1.000	43.01			
40117	1	LOCKNUT	20 EA	0.3820	1.000	7.64			
40221	1	GROUNDING BUSHING	10 EA	1.7191	1.000	17.19			
				Cost Code CC 34 MATT, BRANCH FTNG/BOX MATT totals:					
				6.97% of Job Total			0.00% of Job Total		
							\$205.39		
							0.00		

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
500121		PULL LINE (STRING)	390 FT	0.0200	1.000	7.81	0.0026	1.000	1.01
				Cost Code CC 38, MC/AC/BX CABLE					
				0.27% of Job Total			0.96% of Job Total		
							\$7.81		
							1.01		

Taft Electric Company
 1694 Eastman Avenue
 Ventura, CA 93003

Phone: 805-642-0121
 Web: www.taftelectric.com

Cost Code CC 38, MC/AC/BX CABLE totals: \$7.81 1.01

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
70062	10	XHHW CU (STR)	2,230 FT	0.3327	1.000	742.03	0.0080	1.000	17.84
			Cost Code CC 43, BRANCH WIRE <#8 totals:			\$742.03			17.84

Cost Code CC 43, BRANCH WIRE <#8 totals: \$742.03 17.84

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
180875	30/3	BOLT-ON BREAKERS	1 EA	274.7760	1.000	274.78	0.7800	1.000	0.78
			Cost Code CC 51, GEAR/XFMR/MCC/EXO totals:			\$274.78			0.78

Cost Code CC 51, GEAR/XFMR/MCC/EXO totals: \$274.78 0.78

Item #	Size	Description	Quantity U/M	Mat Unit	M-Fact	Mat Result	Lab Unit	L-Fact	Lab Result
210002		1HR EQUIPMENT CONNECTION	2 EA	0.0000	1.000	0.00	1.0000	1.000	2.00
210012		PUMP MOTOR CONNECTION	1 EA	0.0000	1.000	0.00	3.0000	1.000	3.00
			Cost Code CC 71, EQUIP/MOTOR/CONNECT totals:			\$0.00			5.00

Cost Code CC 71, EQUIP/MOTOR/CONNECT totals: \$0.00 5.00

Job totals: \$2,946.22 105.40

Taft Electric Company
1694 Eastman Avenue
Ventura, CA 93003

Phone: 805-642-0121
Web: www.taftelectric.com



Request For Information

Project [14817000] - Rio STEAM K-8 Campus	Date 2/23/2018
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Balfour Beatty Construction
Oxnard, CA 93036

RFI No. 0296

Primary Responder	Michael Shea Architecture for Education, Inc. 65 North Catalina Avenue Pasadena, CA 91106	Date	2/23/2018
CC	Rachel Adams (Architecture for Education, Inc.) Michael Shea (Architecture for Education, Inc.) Dennis Kuykendall (Balfour Beatty Construction, LLC.) Ray Purcell (Balfour Beatty Construction, LLC.) Jesus Muguerza (Balfour Beatty Construction) Robert Perks (Balfour Beatty Construction) Kenneth Hinge (Kenco Construction Services, Inc.)	Status	Open
From	Jesus Muguerza Balfour Beatty Construction	Resolved Date	
		Reason for Request	Insufficient
		Action Requested	Direction
		Probable Cost Effect	Unknown
		Probable Time Effect	Unknown
		Priority	High
		Response Due	3/2/2018

Subject Power to Irrigation Pump**Drawing No.** LI2.0F**Detail No./Paragraph****CSI Code****Schedule Activity ID****Information Requested**

The Landscape contractor has brought to our attention that there is a 230V 3phase pump on the site. The pump is not shown or referenced in any of the electrical plan sheets including the panel schedules. Please confirm power requirements for the approved pump, panel that should feed the pump, breaker size, conduit and wire size. Once information has been received a PCO/COR proposal will be prepared for approval.

Posted to Drawings**Subcontractor Name** TEC**Subcontractor's RFI#** 73**Response Information**

See attached cut sheet.

Ed Lew/KSA

Date: March 01, 2018

SEE ATTACHED REVISED SHEET E1.03 AND REVISED PANEL SCHEDULES D1L2 AND E1L2.

T.Edmondson PBS Engineers Inc. 03-06-18

Disclaimer

Please find attached to this email RFI 0296 Power to Irrigation Pump for RSD project 0045-015 Rio STEAM K-8 Campus for your review, implementation and coordination.

Pursuant to the contract General Conditions (Refer to General Conditions Section 1.10 Bulletin and

Section 18.5 Notice to Dispute Regarding Contract Price or Contract Time), in the event there is any additional costs, credits, and/or schedule impacts resulting from the response to the RFI, it is the responsibility of the Bid Package Trade Contractor to notify the Construction Manager of such within THREE (3) DAYS of the receipt of this notice. Notification stating the factual basis for the claim and citing in detail the Project Documents upon which the claim is based, including a detailed cost breakdown, is to be transmitted to our jobsite trailer.

*****NOTE: FAILURE TO RESPOND WITHIN THE REQUIRED TIME PERIOD OF THREE (3) DAYS WITH THE REQUIRED DOCUMENTATION, WILL EITHER RESULT IN BALFOUR BEATTY CONSTRUCTION NOTIFYING THE OWNER OF A NO COST CHANGE OR COMPILING THE COST CREDIT ON YOUR BEHALF*****

	Michael Shea (Architecture for Education, Inc.)	
Authorized Signature	Printed Name	Date



RFI #73

Taft Electric
1694 Eastman Avenue
Ventura, California 93003
Phone: (805) 642-0121

Project: 2257 - RIO STEAM K-8 Campus
2999 North Ventura Road
Oxnard, California 93036

Irrigation Booster Pump Power

TO:	Jesus Mugerza Ibarra (Balfour Beatty)	FROM:	Brian Stamper (Taft Electric Company) 1694 Eastman Avenue Ventura, California 93003
DATE INITIATED:	02/22/2018	STATUS:	Open
LOCATION:	Site	DUE DATE:	03/05/2018
COST CODE:		REFERENCE:	
COST IMPACT:	Yes (Unknown)	SCHEDULE IMPACT:	TBD
DRAWING NUMBER:	LI2.0F	SPEC SECTION:	
LINKED DRAWINGS:			
RECEIVED FROM:	Brian Stamper (Taft Electric Company)		
COPIES TO:	Al Davis (Taft Electric Company), Jesse Mellon (Taft Electric Company)		

Question from Brian Stamper (Taft Electric Company) at 04:16 PM on 02/22/2018

The Landscape contractor has brought to our attention that there is a 230V 3phase pump on the site. The pump is not shown or referenced in any of the electrical plan sheets including the panel schedules. Please confirm power requirements for the approved pump, panel that should feed the pump, breaker size, conduit and wire size. Once information has been received a PCO/COR proposal will be prepared for approval.

Awaiting an Official Response

All Replies:

BY _____ DATE _____ COPIES TO _____

BARRETT ENGINEERED PUMPS

SPECIALISTS IN PUMPS AND PUMPING SYSTEMS

PROJECT: RIO STEAM

March 23, 2016

SYSTEM DESIGN PARAMETERS

IBPCO-7.5-2-2.5/VFD-F System Model Number		85 GPM System Design Flow Rate	82 PSI System Design Pressure	2 1/2 INCH System Piping Size
56 PSI Minimum Suction Pressure		208/230/460 VAC System Electrical Voltage		1/3 PHASE 60 Hz System Electrical Phase and Frequency
PACO 1570-5 Pump Model Number		85 GPM Pump Capacity (GPM)	130 FEET Pump Total Head (Feet)	
7 1/2 HP Pump Horsepower	3500 RPM Pump RPM	Undetermined System Full Load Amperage		

BOOSTER PUMP ASSEMBLY

- 1.1 A simplex water pressure booster system as designed and fabricated by Barrett Engineered Pumps (619) 232-7867. The system shall be a completely prefabricated system with pump, piping, electrical and structural elements. The entire booster pump assembly shall be UL Listed and Approved.
- 1.2 Pump shall be:
 - 1.2.1 (PACO Series) Single stage end suction close coupled centrifugal, cast iron bronze fitted construction, equipped with mechanical shaft seal, back pullout design. Impeller shall be threaded directly to the end of the shaft. Pump shaft shall be stainless steel with no sleeve. Pump shall be directly coupled to a C-face electric motor.
- 1.3 Electric motor shall be of the squirrel cage induction type suitable for full voltage starting. Motor shall be ODP to aid in cooling. Electric motor shall be rated for continuous service. The motor shall have horsepower ratings such that the motor will carry the maximum possible load to be developed under the designed pumping conditions and not overload the motor beyond the nameplate rating of the motor. Motor shall have a 1.15 service factor. The motor shall conform to the latest NEMA Standards for motor design and construction.
- 1.4 Pump Control Panel shall have a NEMA3R plain front non-metallic enclosure with padlock latches. This Includes power and control re-settable thermal circuit breakers, heavy duty magnetic starter with adjustable overload protection, Hand-Off-Auto switch to select mode of operation, and heavy duty numbered terminal strips for power and control wiring lead terminations.
- 1.5 If 24V control started, a Metal oxide varistor protected pump start relay shall be incorporated in panel to start pump with signal from an irrigation controller.
- 1.6 All system piping shall be Schedule 10S 304 stainless steel. All major fittings shall be 304 stainless steel with flanges to allow for system disassembly or major component removal. All instrumentation fittings shall be 304SS. System shall incorporate an integral full pipe size bypass line with isolation valve to allow for pump removal and repair without disrupting water supply to system.

P.O. Box 13130 San Diego CA 92170-3130 • 1695 National Ave. San Diego CA 92113

Phone (619) 232-7867 • FAX (619) 232-3029

Represented by: Green Product Sales • (949) 584-7311 • gps10@earthlink.net

- 1.7 Isolation valves shall be all stainless quarter turn ball valves with hard chrome ball on lines 2" and less. Isolation valves shall be lug style butterfly valves with Buna-N elastomeric seats, ductile iron nickel coated disc, and stainless steel stem with handle and 10 position galvanized memory plate on lines 2½" and greater.
- 1.8 Gauges shall be 2½" diameter face, glycerin filled with stainless casing and brass internals.
- 1.9 Flow switch shall be a 316 stainless steel and solid state thermal sensor designed to measure change in flow velocity and in temperature. The flow switch shall include an integrated bar graph with 10 LED lights and shall be capable of providing indication of flow (green), closed (orange), and open (red) conditions.
- 1.10 Pump system shall be mounted on a structural aluminum skid with mounting flanges on front and back to allow for mounting of skid to concrete pad. Skid equipped with pipe support on suction and discharge piping. All nuts and bolts and washers shall be stainless steel on skid and piping. Skid shall include mounting hardware for integral aluminum enclosure.
- 1.11 The system enclosure shall be vandal and weather resistant, marine grade aluminum alloy 5052-H32 construction with rectangular punch-outs for viewing and heat dissipation. The enclosure shall be low profile hinged top design with padlock provision. The cover shall be secured to the concrete pad with stainless steel hardware. The enclosure shall measure 30D" x 42W" x 30H" and concrete pad dimensions shall be 42" x 54" x 4". The enclosure shall be as manufactured by V.I.T. Products, Inc. and shall be UL Listed and Approved.
- 1.12 Pump Assembly shall include the following option(s):
 - **(VFD-F)** Where specified by the System Design Parameters, a **Fuji Variable Frequency Drive** system to receive feedback signal from system mounted stainless steel pressure transducer, and in conjunction with internal software driven PID control loop maintain customer adjustable constant system discharge pressure by varying the speed of the pump in response to varying system load.
- 1.13 The services of a factory representative or trained service professional shall be made available on the job site to check installation and perform the startup and instruct the operating personnel. A startup report containing voltage and amperage readings, suction and discharge pressure readings, estimated flow conditions, and general operating characteristics shall be submitted to the Owner.
- 1.14 One electronic set of operating and maintenance manual shall be provided to the owner after startup and shall include parts manuals for major components, performance curve for pump, general sequence of operation, and electrical schematic for control panel.
- 1.15 The warranty period shall be a non-prorated period of 36 months from date of purchase.

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Phone (619) 232-7867 • FAX (619) 232-3029
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RFI #0296

MOUNTING: SURFACE

PANEL-D1L2

LOCATION: BLDG. D

VOLTAGE: 120/208V,3Ø,4W

18,000 AIC SYM

125 AMP BUS

MAIN LUGS ONLY

NO	DESCRIPTION	VOLT-AMPERES ØA ØB ØC	TYPE	PHASE	POSITION	BRK	CRK	BRK	PHASE	TYPE	VOLT-AMPERES ØA ØB ØC	DESCRIPTION	NO
	EF-D7	500				1	3	20	1	2	20	IRR. CONTRLR 'B'	
		500				-	-	3	4	4	20	SPARE	
						-	-	5	6	6	20	SPARE	
	SPARE					1	20	7	8	8	20	SPARE	
	SPARE					1	20	9	10	10	20	SPARE	
	SPARE					1	20	11	12	12	20	SPARE	
						1	20	13	14	14	20	SPARE	
						1	20	15	16	16	20	SPARE	
						1	20	17	18	18	20	SPARE	
						1	20	19	20	20	20	SPARE	
						1	20	21	22	22	20	SPARE	
						1	20	23	24	24	20	SPARE	
						1	20	25	26	26	20	SPARE	
						1	20	27	28	28	20	SPARE	
						1	20	29	30	30	20	SPARE	
						1	20	31	32	32	20	SPARE	
						1	20	33	34	34	20	SPARE	
						1	20	35	36	36	20	SPARE	
						1	20	37	38	38	20	SPARE	
						1	20	39	40	40	20	SPARE	
						1	20	41	42	42	20	SPARE	
	VA PER PHASE	500	500	500									
	CONTINUOUS LOAD												
	+ OTHER =												
	TOTAL LOAD =												
	CEILING OUTLETS =												
	CONV. OUTLETS =												
	MISC. OUTLETS =												
	THIS PANEL IS FED BY: PNL D1L1												
	VA PER PHASE	500	500	500									
	TOTAL VA PER PHASE	1000	500	500									
	TOTAL CONNECTED VA												
	NOTES												
	1												
	2												
	3												
	4												

PER RFI#0296

PANEL-E1L2

MOUNTING: SURFACE
VOLTAGE: 120/208V, 3Ø, 4W

18,000 AIC SYM

125 AMP BUS

MAIN LUGS ONLY

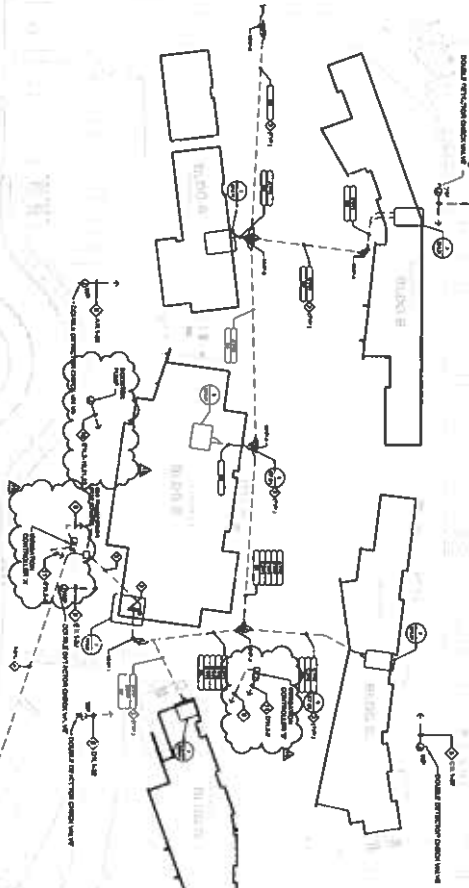
LOCATION: BLDG. E

NO	DESCRIPTION	VOLT-AMPERES			L I N E	P H A S E	B R K	C I R C	B R K	P I S C T	M E T	L I N E	VOLT-AMPERES			DESCRIPTION	NO	
		ØA	ØB	ØC									ØA	ØB	ØC			
EF-E8		500				1	3	20	1	2	20	1	1	500			IRR CONTRLR 'A'	
-		500				-	-	-	3	4	20	1	1	500			SP1	
-		500				-	-	-	5	6	20	1	1	500			SPARE	
CU-E3		1880				1	2	20	7	8	20	2	1	1880			CU-E2	
-		1880				-	-	-	9	10	-	-	-	1880			SPARE	
CU-E1		1880				1	2	20	11	12	20	1	1	1880			SPARE	
-		1880				-	-	-	13	14	20	3	1	500			EF-E9	
SPARE		1880				1	2	20	15	16	-	-	-	500			SPARE	
SPARE		1880				1	2	20	17	18	-	-	-	500			SPARE	
IRR. BOOSTER PUMP		2906				1	3	30	19	20	20	1	1	2906			SPARE	
-		2906				-	-	-	21	22	20	1	1	2906			SPARE	
-		2906				-	-	-	23	24	20	1	1	2906			SPARE	
-		2906				-	-	-	25	26	20	1	1	2906			SPARE	
-		2906				1	2	20	27	28	20	1	1	2906			SPARE	
-		2906				1	2	20	29	30	20	1	1	2906			SPARE	
-		2906				1	2	20	31	32	20	1	1	2906			SPARE	
-		2906				1	2	20	33	34	20	1	1	2906			SPARE	
-		2906				1	2	20	35	36	20	1	1	2906			SPARE	
-		2906				1	2	20	37	38	20	1	1	2906			SPARE	
-		2906				1	2	20	39	40	20	1	1	2906			SPARE	
-		2906				1	2	20	41	42	20	1	1	2906			SPARE	
VA PER PHASE		7166	5286	5286										2880	2880	500	VA PER PHASE	
CONTINUOUS LOAD														10046	8166	5786	TOTAL VA PER PHASE	
+ OTHER																	TOTAL CONNECTED VA	
TOTAL LOAD														23998				

CEILING OUTLETS =
CONV. OUTLETS =
MISC. OUTLETS = 8

THIS PANEL IS FED BY: PNL E1L1

1	NOTES
2	
3	
4	



POWER SITE PLAN
1" = 60'

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND EQUIPMENT TO BE INSTALLED AT THE PROJECT LOCATION AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
2. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
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10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

KEY NOTES

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
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10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	10/15/2023
2	ISSUED FOR PERMITS	10/15/2023
3	ISSUED FOR PERMITS	10/15/2023
4	ISSUED FOR PERMITS	10/15/2023
5	ISSUED FOR PERMITS	10/15/2023
6	ISSUED FOR PERMITS	10/15/2023
7	ISSUED FOR PERMITS	10/15/2023
8	ISSUED FOR PERMITS	10/15/2023
9	ISSUED FOR PERMITS	10/15/2023
10	ISSUED FOR PERMITS	10/15/2023

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.



**RIO S.T.E.A.M.
K-8 CAMPUS**
3800 S. GARDEN AVENUE
ANAHEIM, CA 92805

RIO SCHOOL DISTRICT
3800 S. GARDEN AVENUE
ANAHEIM, CA 92805



Project Engineer: [Name]

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	10/15/2023
2	ISSUED FOR PERMITS	10/15/2023
3	ISSUED FOR PERMITS	10/15/2023
4	ISSUED FOR PERMITS	10/15/2023
5	ISSUED FOR PERMITS	10/15/2023
6	ISSUED FOR PERMITS	10/15/2023
7	ISSUED FOR PERMITS	10/15/2023
8	ISSUED FOR PERMITS	10/15/2023
9	ISSUED FOR PERMITS	10/15/2023
10	ISSUED FOR PERMITS	10/15/2023

DSA SUBMITTAL

POWER SITE PLAN

E1.03



Agenda Item Details

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	5. Discussion/Action
Subject	5.3 2018 Local District Facilities Update and GO Bond, and potential District General Obligation Bond for November 2018.
Access	Public
Type	Discussion

Public Content

Speaker:
Staff and Consultants

Rationale:

- I. Presentation of Facilities Finance Master Plan (FFMP) update.
- II. New K-8 Progress report and change order requests inclusive of credits to date.
- III. Update on MOT options and alternatives.
- IV. Summary and conclusion of all discussed items and related items.
- V. Board comments and recommendations.

Administrative Content

Executive Content

**Agenda Item Details**

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	5. Discussion/Action
Subject	5.4 Review the Results of the GO bond survey and Accept the facility program needs of the District.
Access	Public
Type	Action
Fiscal Impact	No
Recommended Action	It is recommended that the Board review the results of the GO Bond survey and accept the facility program needs of the District.

Public Content

Speaker:
Dr. Puglisi, Superintendent

Rationale:

The results of the GO Bond survey will be reviewed and discussed. Additionally, the facility program needs of the district are presented for acceptance.

Administrative Content**Executive Content**

5.5

**Agenda Item Details**

Meeting	Apr 11, 2018 - RSD Special Board Meeting
Category	5. Discussion/Action
Subject	5.5 Authorize staff, consultants and legal counsel to prepare and submit appropriate Resolutions for final review and authorization to move forward with a November General Obligation Bond at a specified amount and related tax rate information per the district's assessed valuation.
Access	Public
Type	Action
Fiscal Impact	No
Recommended Action	It is recommended that the Board Authorize Staff, Consultants and Legal Counsel to prepare and submit Resolutions for the General Obligation Bond in November.

Public Content

Speaker:
Dr. Puglisi, Superintendent

Rationale:

Discussion of next steps in the General obligation Bond projects. Board to provide authorization for district staff to prepare and submit resolutions for the General obligation Bond election in November 2018.

Administrative Content**Executive Content**

