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DATE OF ISSUE:	<b>April 23, 2024</b>
PROJECT:	<b>Twin Falls Training Facility</b> PNa PROJECT #: <b>19-029</b> Twin Falls, Idaho 83301
REVIEWED BY:	<b>Tad Bradley</b> Pivot North Architecture
ATTACHMENTS:	<b>Pre-BID RFI Responses 1-13</b>
PREVIOUS ADDENDA:	<b>N/A</b>

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The following are changes, deletions, corrections, additions, and/or modifications to the drawings, specifications, contract conditions, and bidding documents dated **Feb 29, 2024**. Bidding parties are required to acknowledge receipt of this addendum on the bid form. Failure to do so may subject the bidder to disqualification.

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**NOTICE TO BIDDERS:**

1. Bid Opening to occur Thursday 4/25/2024 at 2:00PM MDT.

**RFI RESPONSES:**

1. See attached RFI log

**SUBSTITUTION REQUESTS:**

1. SR-1: Acoustical Panel Ceilings – change to Rockfon Tropic 1000 for Armstrong Ultima High NRC 1940
  - a. **RESPONSE: ACCEPTED**
2. SR-2: Furnace Split/make Up Air Unit + Vibration and Seismic Control
  - a. **RESPONSE: ACCEPTED**

**ARCHITECTURAL SPECIFICATIONS**

1. N/A

**ARCHITECTURAL/ENGINEERS CLARIFICATIONS/DRAWINGS**

1. E4.01 Panel LC

**END OF ADDENDUM #01**



RFI	Pre-Bid RFIs	Date	Company	Question		
1	Overhead Doors	4/17/2024	Overhead Door Co.	Sectional doors 08 3613 Spec 1.04 B 1: warranty period 5 years, 596 doors only have a 3 year door and operator system warranty. Will this work Spec 2.01 C 1: wind load 20 lbf/sq ft. can this be omitted. This will limit window selection for these doors. Aluminum full vision will not work Spec 2.01 D, seismic performance. Sectional doors do not qualify for this Spec 2.03 H, can this be omitted as the doors are electrically ran and this will void all warranty. Spec 2.04 I, is this to be an electric bottom sensing edge or photo eyes	x	X
				ANSWER	Response has been received 4/18/24	
2	ACT - Substitution Request	4/17/2024	Steel Connections	Proposed Substitution: Rockfon Tropic 1000 for Armstrong Ultima High NRC 1940. Reference email sent out.	x	X
				ANSWER	APPROVED: 04/22/2024	
3	Panel LC	4/17/24	Ramseys	We need a panel schedule for Panel LC.	x	X
				ANSWER	*SEE ATTACHED	
4	Fire Alarm # 1	4/18/2024	Johnson Controls	When reviewing the fire alarm bid documents for the Twin Falls Fire Training Center I noticed that a graphic map annunciator is mentioned. <b>GRAPHIC MAP ANNUNCIATOR IS NOT REQUIRED.</b> When a trouble, supervisory, alarm, or other issue is detected in the fire alarm system, is this graphic map/annunciator meant to light up an LED showing which device has detected an issue? <b>NO. NOT REQUIRED.</b> Along with this, I thought it to be a bit strange that they wanted a graphic map when part of the building will not be built out once this project is completed. When the owner decides to build out that other section of the building the map will become obsolete, only displaying correct device information for half the building. Can you confirm this is how the owner wants to proceed? <b>NOT REQUIRED.</b> On another note, if any electrical subcontractors have informed you they will be bidding on this project would you please send their contact information to me so I can be in touch with them about this project? We typically bid to electrical contractors who carry us as the fire alarm supplier. <b>NO COMMENT.</b>	x	X
				ANSWER		
5	Panel LC		Heider Electric	I am working on getting a bid together for you for this job and noticed there is not a schedule for panel LC, its on the plans and on the one diagram but I didn't see a detail for it. Is there a way for me to find out details on that one so I can make sure we include the right cost? Sent update & Plan 2PM 4-18-24	x	X
				ANSWER	Response sent back forward to electrical sub to confirm 4/18/24	
6	Fire Alarm Clarifications #2	4/18/2024	Johnson Controls	On the fire alarm plans for the Twin Falls Fire Training Center there are both Speaker/Strobes and Horn/Strobes listed. This design is not necessary and would add significant extra cost for these devices to work together while the speakers are being used. Additionally, the Speaker/Strobes can be programmed to function as normal Horn/Strobes. <b>HORN STROBES ARE ALL THAT IS REQUIRED.</b> Can you confirm, do you want Speaker/Strobes throughout the whole building rather than mixing with Horn/Strobes, or is having the Horn/Strobes necessary for the building owner? <b>HORN STROBES ARE ALL THAT IS REQUIRED.</b> Along with this, for the graphic annunciator/map, does the owner want LEDs for the fire alarm initiation devices (smokes, pulls stations, etc.) so the map annunciates or is a map without LEDs desired? The specs do not make it clear whether LEDs are desired. <b>GRAPHIC ANNUNCIATOR IS NOT REQUIRED.</b> Your assistance with this is greatly appreciated as it will help us to construct an accurate bid.		X
				ANSWER		
7	Wood Door Spec	4/18/2024	ABS Door Co.	Its looks like Door Spec. is calling out for two different types of doors. One is less expensive than the other. Please clarify which type of wood door we need to bid. 081400-3, D (MDF Door), E (Plan Sliced White Maple Door)	x	X
				ANSWER:	Wood door to be structural composite lumber core [5 ply], wood veneer plain sliced white maple.	
8	OverHead Door Clairification # 2	4/18/2024	Overhead Door co.	RFI clarification: #2 Spec 2.01 C 1: wind load 20lbf/sq ft. Overhead Door model 596 is the basis of design product. Aluminum is the only option for the framing, steel is not an option. To meet this wind load only 1 aluminum full vision section can be used. If 2 window section are needed then only 25" x 12" thermal acrylic windows can be used and the load rating will only be 18.40/-20.80. analysis data will only be provided by the factory engineers. Adding extra struts will not give a higher rating from the factory engineers. If the wind load can be omitted extra struts can be added for increased wind resistance but there will be no official wind load rating.  Spec 2.01 D, seismic performance. Does this specifically refer to the sectional doors. If so the attached seismic rating form will have to be completed and sent to the factory engineers. The factory will have the engineers either approve it or reject it. The doors may not be able to have a seismic rating. <b>See attachments.</b>		X

				<b>ANSWER:</b>	<b>Emailed response to Tim Pollard [Starr] 04.22.2024 11:24am</b>	
9	Storefronts and Insulated Glass	4/22/2024	<b>Twin Falls Glass</b>	<p>1.basis for storefront design is Kawneer aluminum, but 3 others are listed. Can Trulite Aluminum be spec'd as an approved alternate?</p> <p>2.The insulated glass spec's are for bronze glass with the low-e on surface (2) which means the bronze glass has the low-e coating on it. Typically the low-e coating is on surface (3) which is the clear inside pane and is less expensive to produce and more readily available. Can this be approved as an alternate</p>		X
				<b>ANSWER:</b>	<b>Emailed response to Tim Pollard [Starr] 04.22.2024 10:37am: 1.Contractor to provide substitution request and clearly highlight quality, longevity, and warranty standards are equal. 2. After reviewing Specifications for Twin Falls Fire Station #3...and seeing the Low-E coating is on the #2 surface...building windows should match. Maintain low-e coating on surface #3.</b>	
10	Tiling	4/22/2024	<b>Walker Flooring</b>	<p>1) also, on the final finish schedule in the kitchenette it calls for two different types of wall tile base, but I don't see anywhere where it specifies. What goes where.</p> <p>2) last, but not least, is the wall panels out in the hallway, going to be the same thickness as the ceramic wall base so that we don't need a special trim to cap off the wall, or is that something we need to consider</p>		X
				<b>ANSWER:</b>	<b>1)CT-3 should be installed on walls with wall protection (south kitchenette wall) CT-4 to be installed on all other walls 2) See detail E2/A8.91. Wall panel detailing should match TF Fire Station #3.</b>	
11	Flooring	4/23/2024	<b>Great Floors</b>	<p>I wanted to clarify what width and height the MCB-2 Kick 18 GA Bushed metal is to be specified. I noticed MCB-1 is in the spec sheet but I can't seem to find the other.</p>		X
				<b>ANSWER:</b>	<b>Refer to detail A1/A8.91. It is to be 4 inches high.</b>	
12	Painting	4/23/2024	<b>Gary Hansen Painting</b>	<p>Does any of the steel paint in the App Bay room 109? I saw a note where the rigid frame structure is provided by others and the finish schedule only calls for FRP 1 (except for the west wall). I didn't see anything indicating the steel paints, please confirm.</p> <p>Also, does any of the open to structure ceiling components (steel, beams, sprinkler lines, conduit, etc.) paint? It doesn't indicate any painting, please confirm.</p>		X
				<b>ANSWER:</b>	<b>See General Note #6 on Sheet A8.51. Painting of structural steel frame to be bid as add alternate.</b>	
13	Glass & Glazing	4/23/2024	<b>Twin Falls Glass</b>	<p>Regarding answer 2 If glass specs for the fire station are for low-e on surface 2 and buildings are supposed to match, why does it say maintain low-e on surface 3?</p>		X
				<b>ANSWER:</b>	<b>IGU units for TF Fire Station #3 has Low-E coating on on #2 surface [08 80 00 2.3.C.1.A]. Twin Falls Training Facility to match Station #3. See specification 08 80 00 [2.10.B.4.] Low-E coating on #2 surface</b>	



# Innovative Air

Phone – 208-331-3303 Fax – 208-331-3633  
747 S 13<sup>th</sup> St. Boise, ID 83702

To Cator Ruma & Associates, Co.  
Attn: Jeff Jesse  
Project: Twin Falls Fire Training Facility  
Bid Date: 4/25/24

## SUBSTITUTION REQUEST FORM

We hereby request prior approval to bid the following items:

Specification section	Paragraph	Description	Manufacturer
235400	2.01	Furnace Split	Daikin
---	---	Make Up Air Unit	AAON
230548	2.01	Vibration & Seismic Control	Vibro-Acoustics

The undersigned states that the following paragraphs, unless modified on attachments, are correct:

1. The proposed substitution does not affect dimensions shown on Drawings.
2. The proposed substitution will have no adverse affect on other trades, the construction schedule, or specified warranty requirements.
3. Maintenance and service parts will be locally available for the proposed substitution.

The undersigned further states that the function, appearance and quality of the Proposed Substitution are equivalent or superior to the Specified Item.

Submitted by: Vincent Cavanagh

### Consulting Engineer Comment:

Accepted       Accepted as noted       Not Accepted

Signature:  Date: APRIL 23, 2024

Comment: TAD BRADLEY CONFIRMED WITH JEFF JESSE THAT NO EXCEPTIONS WERE TAKEN WITH REQUEST 3:35PM APRIL 23, 2024

A

**Panel LA**  
 Location: ELEC. ROOM 106  
 Supply From: MDCA  
 Mounting: Surface  
 Enclosure: Type 1

Voltage: 120/208 Wye  
 Phase: 3  
 Wire: 4

A.I.C. Rating: 10,000  
 Mains Type: MLO  
 Bus Rating: 225 A

Circuit Notes:

Note	Circ...	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ...	Note	
1	R-HALL		R	20 A	1	720 VA	0 VA		1	20 A	--	SPARE	2		
3	R-KITCHEN		R	20 A	1		540 VA	0 VA	1	20 A	--	SPARE	4		
5	GARBAGE DISPOSAL		R	20 A	1			1176 VA	0 VA	1	20 A	--	SPARE	6	
7	R-ICE MAKER		K	20 A	1	1800 VA	0 VA		1	20 A	--	SPARE	8		
9	R-MICROWAVE		K	20 A	1		1000 VA	0 VA	1	20 A	--	SPARE	10		
11	R-RESTROOMS		R	20 A	1			360 VA	0 VA	1	20 A	--	SPARE	12	
13	R-OFFICE 102		R	20 A	1	720 VA	0 VA		1	20 A	--	SPARE	14		
15	R-APP BAY		R	20 A	1		1440 VA	0 VA	1	20 A	--	SPARE	16		
17	G-APP BAY CEILING		G	30 A	1			360 VA	0 VA	1	20 A	--	SPARE	18	
19	G-APP BAY CEILING		G	30 A	1	360 VA	0 VA		1	20 A	--	SPARE	20		
21	TR-1		G	20 A	1		180 VA	0 VA	1	20 A	--	SPARE	22		
23	R-REF SERVICE		R	20 A	1			540 VA	0 VA	1	20 A	--	SPARE	24	
25	DRINKING FOUNTAIN		R	20 A	1	180 VA	0 VA		1	20 A	--	SPARE	26		
27	SPARE		--	20 A	1		0 VA	0 VA	1	20 A	--	SPARE	28		
29	SPARE		--	20 A	1			0 VA	0 VA	1	20 A	--	SPARE	30	
31	SPARE		--	20 A	1	0 VA	0 VA		1	20 A	--	SPARE	32		
33	SPARE		--	20 A	1		0 VA	0 VA	1	20 A	--	SPARE	34		
35	SPARE		--	20 A	1			0 VA	0 VA	1	20 A	--	SPARE	36	
37	SPARE		--	20 A	1	0 VA	0 VA		1	20 A	--	SPARE	38		
39	SPARE		--	20 A	1		0 VA	0 VA	1	20 A	--	SPARE	40		
41	SPARE		--	20 A	1			0 VA	0 VA	1	20 A	--	SPARE	42	

Total Load: 3780 VA  
 Total Amps: 32 A  
 Phase Balance: 19 % A-B 34 % B-C 60 % C-A

Load Type	Connected Load	Demand Factor	Demand Load	Panel Totals
L Lighting	0 VA	0.00%	0 VA	Power Factor: 1
R Receptacle	5676 VA	100.00%	5676 VA	
M Motor	0 VA	0.00%	0 VA	Total Connected Load: 9376 VA
C Continuous	0 VA	0.00%	0 VA	Total Connected Current: 26 A
G General	900 VA	100.00%	900 VA	
K Kitchen	2800 VA	100.00%	2800 VA	Total Demand Load: 9376 VA
E Existing	0 VA	0.00%	0 VA	Total Demand Current: 26 A
O Other	0 VA	0.00%	0 VA	

General Notes:

B

**Panel LB**  
 Location: ELEC. ROOM 106  
 Supply From: MDCA  
 Mounting: Surface  
 Enclosure: Type 1

Voltage: 120/208 Wye  
 Phase: 3  
 Wire: 4

A.I.C. Rating: 10,000  
 Mains Type: MLO  
 Bus Rating: 225 A

Circuit Notes:

Note	Circ...	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ...	Note	
1	MAU-1		M	15 A	3	288 VA	1248 VA		1	20 A	M	APP BAY RAD HEATER	2		
3	R-MEZZANINE		R	20 A	1	720 VA	790 VA		2	20 A	M	EUH-3	4		
5	EBBR-1		M	20 A	2		1000 VA	790 VA		1	15 A	M	EF-1	8	
7	DS-1		M	15 A	2	65 VA	168 VA		1	15 A	M	EF-3	12		
9	DCP-1		M	20 A	2	63 VA	4167 VA		3	20 A	M	EUH-1	16		
11	WATER HEATER		M	20 A	2		300 VA	180 VA		1	15 A	R	FURNACE	20	
13	EUH-2		M	20 A	3	4167 VA	--		1	--	--	SPACE	24		
15	CU-1		M	20 A	2	562 VA	--		1	--	--	SPACE	26		
17	DSO-1		M	15 A	2	20 VA	--		1	--	--	SPACE	28		
19	DESTRATIFICATION FAN		M	20 A	1		1200 VA	--	1	--	--	SPACE	30		
21	SPARE		--	20 A	1				1	--	--	SPACE	32		
23	SPARE		--	20 A	1				1	--	--	SPACE	34		
25	SPARE		--	20 A	1				1	--	--	SPACE	36		
27	SPARE		--	20 A	1				1	--	--	SPACE	38		
29	SPARE		--	20 A	1				1	--	--	SPACE	40		
31	SPARE		--	20 A	1				1	--	--	SPACE	42		

Total Load: 12257 VA  
 Total Amps: 103 A  
 Phase Balance: 17 % A-B 22 % B-C 4 % C-A

Load Type	Connected Load	Demand Factor	Demand Load	Panel Totals
L Lighting	0 VA	0.00%	0 VA	Power Factor: 1
R Receptacle	900 VA	100.00%	900 VA	
M Motor	37547 VA	106.32%	40672 VA	Total Connected Load: 38447 VA
C Continuous	0 VA	0.00%	0 VA	Total Connected Current: 107 A
G General	0 VA	0.00%	0 VA	
K Kitchen	0 VA	0.00%	0 VA	Total Demand Load: 41572 VA
E Existing	0 VA	0.00%	0 VA	Total Demand Current: 115 A
O Other	0 VA	0.00%	0 VA	

General Notes:

C

**Switchboard MDCA**  
 Location: ELEC. ROOM 106  
 Supply From: MDCA  
 Mounting: Surface

Volts: 120/208 Wye  
 Phases: 3  
 Wires: 4

A.I.C. Rating: 35,000  
 Mains Type: MCB  
 Bus Rating: 400 A  
 MCB Rating: 400 A

Circuit Notes:

Load	Type	A	B	C	Note
LA	Spares R, K, G	3780 VA	3160 VA	2436 VA	
LB	R, M	12257 VA	14369 VA	11822 VA	
SPARE	--	0 VA			

16037 VA 17529 VA 14258 VA  
 136 A 148 A 119 A  
 9 25 14  
 % A-B % B-C % C-A

Refer to one-line diagram for space, spare, and circuit breaker quantities.

Load Type	Connected Load	Demand Factor	Demand Load	Switchboard Totals
L Lighting	0 VA	0.00%	0 VA	Power Factor: 1
R Receptacle	6576 VA	100.00%	6576 VA	
M Motor	37547 VA	106.32%	40672 VA	Total Connected Load: 47823 VA
C Continuous	0 VA	0.00%	0 VA	Total Connected Current: 133 A
G General	900 VA	100.00%	900 VA	
K Kitchen	2800 VA	100.00%	2800 VA	Total Demand Load: 50949 VA
E Existing	0 VA	0.00%	0 VA	Total Demand Current: 141 A
O Other	0 VA	0.00%	0 VA	

General Notes:

D

**Panel LC**  
 Location: ELEC. ROOM 106  
 Supply From: MDCA  
 Mounting: Surface  
 Enclosure: Type 1

Voltage: 120/208 Wye  
 Phase: 3  
 Wire: 4

A.I.C. Rating: MCB  
 Mains Type: MCB  
 Bus Rating: 100 A  
 MCB Rating: 50 A

Circuit Notes:  
 1. NO MORE THAN ONE OVERHEAD DOOR TO BE OPERATED SIMULTANEOUSLY WHEN PORTABLE GENERATOR IS IN USE.

Note	Circ...	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ...	Note	
1	L-HALL		L	20 A	1	292 VA	0 VA		1	20 A	--	SPARE	2		
3	L-1ST FLOOR GENERAL		L	20 A	1		308 VA	0 VA	1	20 A	--	SPARE	4		
5	L-APP BAY		L	20 A	1			1395 VA	0 VA	1	20 A	--	SPARE	6	
7	L-FUTURE BUILDOUT		L	20 A	1	250 VA	0 VA		1	20 A	--	SPARE	8		
9	L-EXT WALL PACK		L	20 A	1		260 VA	0 VA	1	20 A	--	SPARE	10		
11	L-MEZZANINE		L	20 A	1			275 VA	0 VA	1	20 A	--	SPARE	12	
13	REFRIGERATOR		K	20 A	1	500 VA	0 VA		1	20 A	--	SPARE	14		
15	OVERHEAD DOOR		M	20 A	1		1176 VA	0 VA	1	20 A	--	SPARE	16		
17	OVERHEAD DOOR		M	20 A	1			1176 VA	0 VA	1	20 A	--	SPARE	18	
19	OVERHEAD DOOR		M	20 A	1	1176 VA	0 VA		1	20 A	--	SPARE	20		
21	OVERHEAD DOOR		M	20 A	1		1176 VA	--	1	--	--	SPACE	22		
23	R-IT ROOM		R	20 A	1			360 VA	--	1	--	SPACE	24		
25	R		R	20 A	1	180 VA	--		1	--	--	SPACE	26		
27	R		R	20 A	1	180 VA	--		1	--	--	SPACE	28		
29	SPARE		--	--	1				1	--	--	SPACE	30		
31	SPARE		--	--	1				1	--	--	SPACE	32		
33	SPARE		--	--	1				1	--	--	SPACE	34		
35	SPARE		--	--	1				1	--	--	SPACE	36		
37	SPARE		--	--	1				1	--	--	SPACE	38		
39	SPARE		--	--	1				1	--	--	SPACE	40		
41	SPARE		--	--	1				1	--	--	SPACE	42		

Total Load: 2398 VA  
 Total Amps: 20 A  
 Phase Balance: 34 % A-B 3 % B-C 38 % C-A

Load Type	Connected Load	Demand Factor	Demand Load	Panel Totals
L Lighting	2780 VA	125.00%	3475 VA	Power Factor: 1
R Receptacle	720 VA	100.00%	720 VA	
M Motor	4704 VA	106.35%	4998 VA	Total Connected Load: 8704 VA
C Continuous	0 VA	0.00%	0 VA	Total Connected Current: 24 A
G General	0 VA	0.00%	0 VA	
K Kitchen	500 VA	100.00%	500 VA	Total Demand Load: 9693 VA
E Existing	0 VA	0.00%	0 VA	Total Demand Current: 27 A
O Other	0 VA	0.00%	0 VA	

General Notes:

E



PIVOT NORTH ARCHITECTURE, PLLC.  
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STAMP



CATOR RUMA  
 & ASSOCIATES, C.O.  
 420 South Orchard Street, Boise, ID 83705  
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Project:  
 TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

1 CITY REVISIONS 2/27/23

Project No: 19-029  
 Date: 2/29/2024  
 Checked By: KO  
 Drawn By: BRE

Sheet Name:

ELECTRICAL PANEL  
 SCHEDULES

Sheet No:

E4.01

PERMIT SET - 02.29.2024