

ARCHITECHNICS, INC.
510 MAINE STREET
QUINCY, ILLINOIS 62301

PROJECT NO. : 6181

ADDENDUM NO.: 3
ISSUED: 02/20/24

Project: Mechanical Systems Replacement at
Quincy Senior High School - Building E
3322 Maine Street
Quincy, Illinois 62301

This addendum becomes a part of the bidding and contract documents and modifies the drawings and specifications dated January 25, 2024. Acknowledge receipt of this addendum by noting such on the Contractor's Proposal (Bid) Form.

FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION

ITEM	DESCRIPTION
<u>Substitutions</u>	
1.0 Section 23 3600 Air Terminal Units	Add Titus is an acceptable manufacturer.
2.0 E501 & E502 Lighting Fixture	Add SLG ESL Lighting is an acceptable manufacturer.
<u>Specifications</u>	
1.0 Section 00 4100 Bid Form	Replace Replace this form in its entirety. This form should be used as the Bid Submission Form. This form adds an additional Addendum Line if needed (para. 1.06.A.4) and BAS / Controls subcontractor identification (para. 1.07.F).
<u>Drawings</u>	
1.0 M402 VAV Box Schedule	Add Provide air purification system device at each VAV Box. Devices shall be factory mounted or field installed with power from transformer at each box. Manufacturer shall be GPS Bi-Polar Ionization or equal. See attached for specification.

Attachments: Substitution Forms; Revised Specification 00 4100 - Bid Form; Air Purification Specification

SECTION 00 4325
PROPOSED EQUIVALENT PRODUCT REQUEST FORM

TO: Architechnics

Project: HEALTH LIFE SAFETY WORK: MECHANICAL SYSTEMS REPLACEMENT
QUINCY SENIOR HIGH SCHOOL - BUILDING E

We hereby submit for your consideration the following product instead of the specified item for the above project:

<u>Section</u>	<u>Paragraph</u>	<u>Specified Item</u>
23 3600	2.01 (A) Manufacturers	Single Duct, Variable-Volume Unit

Proposed Equivalent Product: Titus Terminal Air Boxes (VAV's)

Attach complete technical data including laboratory test if applicable.
Include complete information changes to Drawings and/or Specifications which proposed equivalent product require for proper installation.

Fill in blanks below, use additional sheets if necessary:

- A. Does the proposed equivalent product affect dimensions shown on Drawings?
Yes
- B. Will the undersigned pay for changes to building design, including engineering and detailing costs caused by proposed equivalent product, if any?
No, as there would not need to be any changes mad to the building design
- C. What effect does proposed equivalent product have on other trades?
None
- D. Differences between proposed equivalent product and specified item?
Brand Name
- E. Manufacturer's guarantees of proposed and specified items are:
Equal to what is specified
- Same Different (explain on attachment)

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted by:
John W. Howard, Sr. Project Manager, Partner
Signature [Signature]
Firm Peters Heating and Air Conditioning Inc.
Address 4520 Broadway Quincy, IL 62305
Telephone 217-222-1368

For use by Design Consultant
 Accepted Accepted as Noted
 Not Accepted Received to Late
By [Signature]
Date 02/18/24
Remarks _____

SECTION 00 4325
PROPOSED EQUIVALENT PRODUCT REQUEST FORM

TO: Architechnics

Project: HEALTH LIFE SAFETY WORK: MECHANICAL SYSTEMS REPLACEMENT
QUINCY SENIOR HIGH SCHOOL – BUILDING E

We hereby submit for your consideration the following product instead of the specified item for the above project:

Section Paragraph Specified Item

Proposed Equivalent Product: Light Fixtures and Lighting Controls

Attach complete technical data including laboratory test if applicable.
Include complete information changes to Drawings and/or Specifications which proposed equivalent product require for proper installation.

Fill in blanks below, use additional sheets if necessary:

A. Does the proposed equivalent product affect dimensions shown on Drawings?

The proposed equivalents should not affect dimensions shown on Drawings

B. Will the undersigned pay for changes to building design, including engineering and detailing costs caused by proposed equivalent product, if any?

No

C. What effect does proposed equivalent product have on other trades?

Proposed equivalents should not effect any other trades

D. Differences between proposed equivalent product and specified item?

There can be minor differences in astethic from one manufacturer to another. Leviton's equivalent 0-10v slide dimmer solution would be a "push button" switch, as opposed to a slide "toggle" switch. Leviton devices would meet design intent and performance specification, just would have slightly different look once installed - ie: push button vs toggle switch

E. Manufacturer's guarantees of proposed and specified items are:

"Different" for astethic reasoins outlined above. However, equivalent based on meeting performance spec and required unctionality.

 Same x Different (explain on attachment)

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted by:

Brian Reagan - Specification Sales

Signature

Brian P. Reagan

Firm Meglio and Associates

Address 14220 Ladue Road, Chesterfield, MO 63017

Telephone Cell - 636 893-8545

For use by Design Consultant

Accepted

Not Accepted

By

Date

Remarks

Accepted as Noted

Received to Late

[Signature]

2/19/24

SLG Light Fixture accepted; Leviton dimmer switch not accepted

* Light Fixture Approval ONLY

PROJECT:	_____
CATALOG #:	_____
FIXTURE TYPE:	_____
NOTES:	_____

TDS G1 Selectable Recessed Troffer



Images are shown for illustration purposes only.

The **TDS G1 Selectable Recessed Troffer** is a reliable luminaire that is CCT selectable and Wattage selectable, providing multiple options for SKU reduction and improved customer satisfaction. Featuring a center basket design with frosted PMMA lens that is shatter-resistant and designed not to yellow or crack. Available in three sizes 1' x 4', 2' x 2', and 2' x 4' with tool-less lens removal for easy installation and maintenance.



APPLICATIONS

Commercial, Retail, Office, and Healthcare Facilities.

SPECIFICATIONS

HOUSING

Galvanized steel with high-reflectance white surfaces.

ELECTRICAL

Standard voltage 120-277V, 50/60Hz input.

MOUNTING

Recessed Mounting and Optional Surface Mounting Kit available.

WATTAGE AND LUMEN OUTPUT

TDS 14 - selectable wattage (20W/25W/30W) and selectable lumens (2780/3400/3870 LM)

TDS 22 - selectable wattage (20W/25W/30W) and selectable lumens (2720/3325/3870 LM)

TDS 24 - selectable wattage (34W/38W/45W) and selectable lumens (4556/4978/5670 LM)

CCT

3500K, 4000K and 5000K CCT selectable

OPTICS

Frosted extruded polymethyl methacrylat lens for maximum source obscuration and visual comfort.

DIMMING

0-10V dimming.

AMBIENT TEMPERATURE

-4 to 122 (-20 to +50)

LIFESPAN

L70 > 50,000 hour @25°C

WARRANTY

5-year limited warranty. Comprehensive warranty terms can be located on www.slgus.com.

FINISH

Polyester Powder White finish.

CERTIFICATIONS

UL Listed for damp locations. FCC compliant. RoHs compliant. DesignLights Consortium® (DLC) Premium 5.1 qualified luminaire. Not all versions of this product may be DLC qualified. Please visit www.slgus.com to confirm which versions are qualified.

Due to continuous product improvements, specification and/or equipment updates may change without notice.

ORDERING GUIDE

EXAMPLE: TDS 24 45/50/60 G1 FSK

Luminaire Type	Size	Selectable Lumen Output	Generation	Voltage	Selectable CCT	Finish	Options (Pre-Installed)
<input type="checkbox"/> TDS = Selectable Recessed Troffer	<input type="checkbox"/> 14 = 1' x 4'	<input type="checkbox"/> 25/30/40 2780 / 3400 / 3870 Lumens - 20W / 25W / 30W	<input type="checkbox"/> G1	<input type="checkbox"/> BLANK = 120-277V	<input type="checkbox"/> FSK = 3500K/4000K/5000K	<input type="checkbox"/> BLANK = White	<input type="checkbox"/> BLANK = No options <input type="checkbox"/> EL UNV-8W-A = Emergency Backup
	<input type="checkbox"/> 22 = 2' x 2'	<input type="checkbox"/> 25/30/40 2720 / 3325 / 3870 Lumens - 20W / 25W / 30W					
	<input type="checkbox"/> 24 = 2' x 4'	<input type="checkbox"/> 45/50/60 4556 / 4978 / 5670 Lumens - 34W / 38W / 45W					

Accessories (Shipped separately - requires some field assembly)

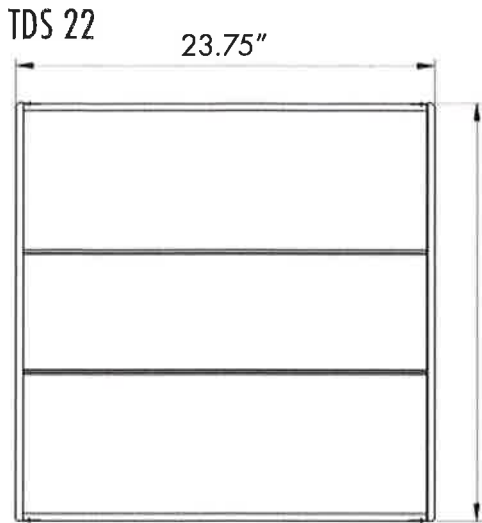
<input type="checkbox"/>	1x4SMK-4IN	Surface Mounting Kit for Panel and Troffer, 48in(Length) x 12in(Width) x 4in(Height)
<input type="checkbox"/>	2x2SMK-4IN	Surface Mounting Kit for Panel and Troffer, 24in(Length) x 24in(Width) x 4in(Height)
<input type="checkbox"/>	2x4SMK-4IN	Surface Mounting Kit for Panel and Troffer, 48in(Length) x 24in(Width) x 4in(Height)
<input type="checkbox"/>	1X4FLANGE-1.5IN	1X4 FLANGE Kit for Panel, 1.5 inch height
<input type="checkbox"/>	2X2FLANGE-1.5IN	2X2 FLANGE Kit for Troffer/Panel, 1.5 inch height
<input type="checkbox"/>	2X4FLANGE-1.5IN	2X4 FLANGE Kit for Troffer/Panel, 1.5 inch height

RECOMMENDED REPLACEMENT & MOUNTING HEIGHT

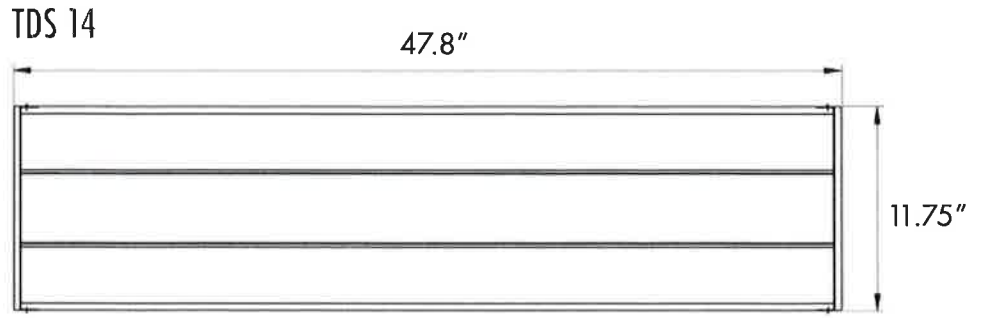
Wattage	Lumen Output	Replacement	Mounting Height
20W	2,780	2 Lamp F17T8 2 Lamp F14T5 to 2 Lamp F32T8 2 Lamp F28T5	8' - 12'
25W	3,400		
30W	3,870		
34W	4,556		
38W	4,978		
45W	5,670		

Due to continuous product improvements, specification and/or equipment updates may change without notice.

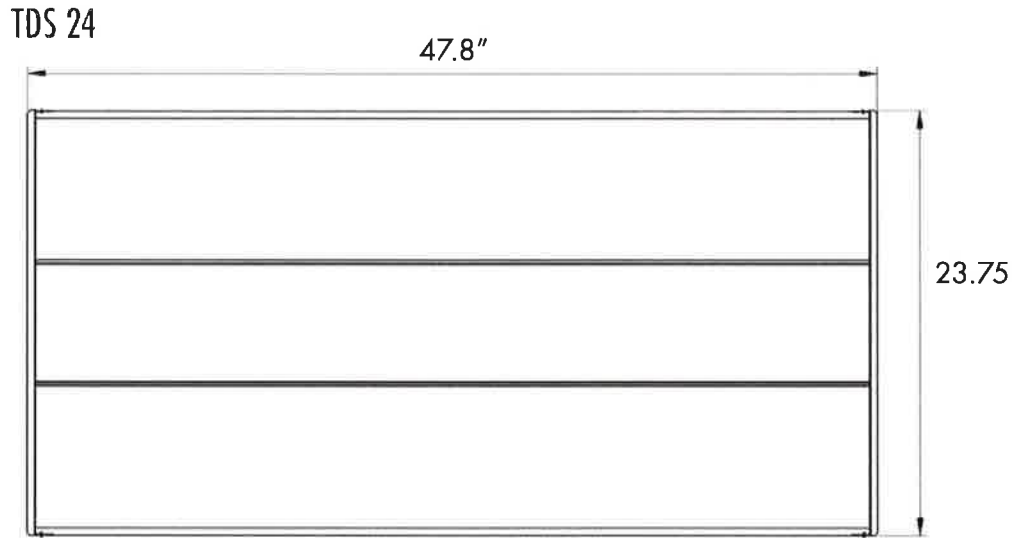
DIMENSIONS



Depth: 2.13"
Weight: 3.1 kg



Depth: 2"
Weight: 3.5 kg



Depth: 2.13"
Weight: 5.19 kg

Due to continuous product improvements, specification and/or equipment updates may change without notice.

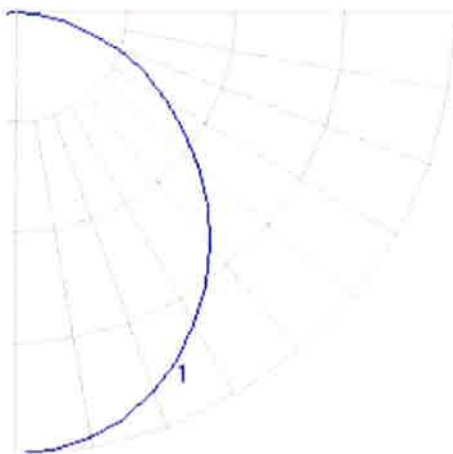
PERFORMANCE COMPARISON

Wattage	3500K CCT		4000K CCT		5000K CCT	
	Lumen	Efficacy	Lumen	Efficacy	Lumen	Efficacy
20	2,760	138	2,780	139	2,800	140
25	3,375	135	3,400	136	3,425	137
30	3,840	128	3,870	129	3,900	130
34	4,522	133	4,556	134	4,590	135
38	4,940	130	4,978	131	5,016	132
45	5,625	125	5,670	126	5,715	127

ELECTRICAL LOAD

Wattage	Current(A)			
	120V	208V	240V	277V
20	0.17	0.10	0.08	0.07
25	0.21	0.12	0.10	0.09
30	0.25	0.14	0.13	0.11
34	0.28	0.16	0.14	0.12
38	0.32	0.18	0.16	0.14
45	0.38	0.22	0.19	0.16

PHOTOMETRIC



Due to continuous product improvements, specification and/or equipment updates may change without notice.

SECTION 00 4100
BID FORM
(PART OF ADDENDUM NO. 3)

BID PROPOSAL (RETURN WITH BID)

1.01 TO:

- A. Board of Education
Quincy Public School District No. 172
Quincy, Adams County, Illinois 62301

1.02 FOR:

- A. **Project: HEALTH LIFE SAFETY WORK: MECHANICAL SYSTEMS REPLACEMENT at QUINCY SENIOR HIGH SCHOOL BUILDING E**
3322 Maine Street, Quincy, IL 62301
Architechnics Project Number: 6181

1.03 DATE: _____ (BIDDER TO ENTER DATE)

1.04 SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)

- A. Bidder's Full Name _____
 - 1. Address _____
 - 2. City, State, Zip _____

1.05 BIDS

The undersigned bidder, having inspected the site of the proposed work, having familiarized himself with all the conditions affecting the work, and having examined the Bidding Documents prepared by Architechnics hereby proposes to furnish all labor, materials, equipment and services for the construction and installation for this for the Sum of:

- A. Base Bid "A"
 - 1. _____ dollars
(\$ _____)
- B. **Base Bid "A" above includes Project Contingency Allowance of \$75,000.00 per Section 002115, para. 27.**
- C. All applicable federal taxes are excluded and State taxes are excluded from the Bid Sum.
- D. By submission of this bid, the bidder agrees that no deviation from the Bidding Documents will be permitted without written authorization signed by both the Engineer and the School District.

- E. By submission of this bid, the bidder agrees that the bidder's official dollar bid figure listed on this bid form on this project shall remain in effect for a period of sixty (60) days from the date of the bid opening.
- F. Any contract resulting from this bid will not be considered effective until all bonds and insurance requirements listed in the Bidding Documents have been reviewed and approved in writing by the Engineer.

1.06 ADDENDA

- A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.
 - 1. Addendum # _____ Dated _____.
 - 2. Addendum # _____ Dated _____.
 - 3. Addendum # _____ Dated _____.
 - 4. Addendum # _____ Dated _____.

1.07 SUBCONTRACTORS - THE FOLLOWING SUBCONTRACTORS WILL BE EMPLOYED TO COMPLETE THIS PROJECT: (PLEASE PRINT)

- A. Demolition: _____
- B. General (ceilings, shaft work - masonry, drywall): _____
- C. Structural Steel Erection: _____
- D. Electrical: _____
- E. Plumbing: _____
- F. BAS / Controls: _____

1.08 BID FORM SUPPLEMENTS

- A. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:
 - 1. 00 4313 Bid Security Form.

1.09 BID FORM SIGNATURE(S) - BIDDER

- A. (Bidder - print the full name of your firm)

- B. (Authorized signing officer, Title)

1.10 TOTAL CONTRACT AMOUNT ACCEPTED BY OWNER

_____ (DO NOT FILL IN THIS SPACE; TO BE COMPLETED BY
OWNER).

A. Accepted by: _____ Board of Education, Quincy Public School
District No. 172

END OF SECTION

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Air Purification System

- A. VAV Boxes shall have factory furnished, mounted and wired or field installed ionization air purification devices including the following:
 1. Ability to effectively kill microorganisms downstream of the bi-polar ionization equipment (mold, bacteria, virus, etc.).
 2. Capable of controlling gas phase contaminants generated by human occupants, building structures, and furnishings.
 3. Capable of reducing static space charges.
 4. Producing greater than 15,000,000 positive ions per cubic centimeter (ions/cc) and 15,000,000 negative ions per cubic centimeter (ions/cc) per ion generator.
 5. Utilize carbon fiber or stainless-steel needles to inject the ions.
 6. Ion systems shall not require replacement parts.
 7. Ion system shall have integral dry alarm contacts for connection to the BAS to prove the ion system is operating properly. The alarm shall indicate ion output is operating.
 8. Ion system shall be capable of operating up to 100% RH conditions, including wash-down duty, without electronic damage.
 9. No velocity limitation is allowable. Neither low limits nor high limits are acceptable.
 10. Units shall operate from 24VAC and powered from VAV transformer.

- B. Air Purification System shall have been tested by UL or Intertek/ETL to prove conformance to UL 867-2007, including the ozone chamber testing and peak ozone test for electronic devices. All manufacturers shall submit their independent UL 867 test data with ozone results for the products supplied. Products NOT certified as UL-2998 shall NOT be acceptable.

- C. All products installed for space ionization shall have an auto-cleaning function.

- D. The units shall have a manufacturer's warranty for three (3) years.