

CONSTRUCTION CHANGE ORDER **Construction Agreement** **JOC Job Order****JO Date:****FROM OWNER:**

University of North Texas
1155 Union Circle #311040
Denton, TX 76203

CHANGE ORDER NO.: 2

DATE: June 11, 2021

TMA NO.: 13512

PO NO.: 238628

TO CONTRACTOR: (Name and Address)

J.T. Vaughn Construction, LLC
9160 Sterling Street, Suite 100
Irving, TX 75063
TLC; Ben Cole; ben.cole@tlc-eng.com; 214.673.7881

A/E NAME: TLC Engineering Solutions

ACCOUNT STRING NO.: 152000-106-805038-600-1000223

CONTRACT DATE: December 7, 2020

PROJECT NAME: Terrill Hall MEP & Interior Renovation

The Agreement is changed as follows:

CCD#1 approved by Neal Smatresk on May 16, 2021

Fire alarm scope

\$ 121,567.00

RFI042-Window Pockets at L1 Classrooms

\$ 25,318.00

Sanitary Piping Replacement

\$ 215,518.00

Bond

\$ 3,059.00

Total \$ 365,462.00

All Services provided per Exhibit A attached are hereby incorporated by reference for all purposes.

The original Agreement, Early Release Packages, and/or GMP Amendment Sum:

\$ 5,453,249.00

The net change by previously authorized Change Orders:

\$ 799,460.00

The Agreement Sum prior to this Change Order:

\$ 6,252,709.00

The Agreement Sum will be increased by this Change Order in the amount of

\$ 365,462.00

New Agreement Sum including this Change Order:**\$ 6,618,171.00****The TIME of the project has increased by****18 days**

The date of SUBSTANTIAL COMPLETION as of the date of this Change Order is

March 1, 2022

Or if services are being provided after SUBSTANTIAL COMPLETION

The completion date of the services provided in this Change Order will be

March 19, 2022**NOT VALID UNTIL SIGNED BY THE A/E, CONTRACTOR AND OWNER**

TLC Engineering Solutions

J.T. Vaughn Construction, LLC

University of North Texas

7/13/20217/14/20217/116/21

Date

Date

Date

EXHIBIT A**CHANGE ORDER REQUEST****Project:** UNT Terrill Hall MEP Renovations**COR No.** 272903-COR 002**Date:** 6/9/2021

We respectfully submit our Change Order Request No. 2 for the above referenced project. This change order request includes the following change proposals:

No.	Description	Cost of Work	P&P Bond	TOTAL
CP-040	Fire Alarm Scope	\$121,567	\$1,026	\$122,593.00
CP-042	RFI042 – Window Pockets at L1 Classrooms	\$25,318	\$214	\$25,532.00
CP-044	Sanitary Piping Replacement Scope	\$215,518	\$1,819	\$217,337.00
TOTAL		\$362,403.00	\$3,059.00	\$365,462.00

Amount Excluding Bond: \$362,403.00

Payment and Performance Bond (0.90%): \$3,059.00

TOTAL INCLUDING BOND: \$365,462.00

TIME EXTENSION TO CONTRACT: 18 Days

This COR is valid for Ninety (90) days.

Please indicate your acceptance by issuing a Construction Change Directive for the amount listed above at your earliest convenience.

EXHIBIT A



PROPOSAL

Project: UNT Terrill Hall MEP Renovations
Proposal No. 272903-CP0040R1
Proposal Date: 5/13/2021

FIRE ALARM SYSTEM REPLACEMENT: **\$121,567**
(See Attached Pricing Breakdown)

- Panels & Equipment
- Replacement of Wall/Ceiling Devices and F/A Wiring
- Above-Ceiling Cleanup of Smoke Detector Wiring
- Heat Trace Monitoring

PAYMENT & PERFORMANCE BOND: **\$1,026**

TOTAL PRICE INCLUDING P&P BOND: **\$122,593**

TIME EXTENSION TO CONTRACT: **5 Days**

Our price is valid for Ninety (30) days.

Please indicate your acceptance by issuing a Construction Change Directive for the amount listed above at your earliest convenience.

CLARIFICATIONS:

- Excludes patch-back of walls where existing wall-mounted devices Fire Alarm Devices are to be removed.
- Excludes all conduit, pathways, raceways, and back-boxes.
- Excludes 120V electrical connections to Fire Alarm equipment.
- Assumes all work to be completed during normal business hours.

THE UNIVERSITY OF NORTH TEXAS

Change in Work - Cost Analysis Form

(To Be Completed All Subcontractors, Suppliers & Contractors Associated with the Change Proposal)

Project No. & Name: 2729-03 UNT Terrill Hall MEP Renovations DATE 5/13/2021
 Contractor Name: Vaughn Construction - Contractor Change No. CP-040R1
 Description of Change: F/A System Replacement Scope

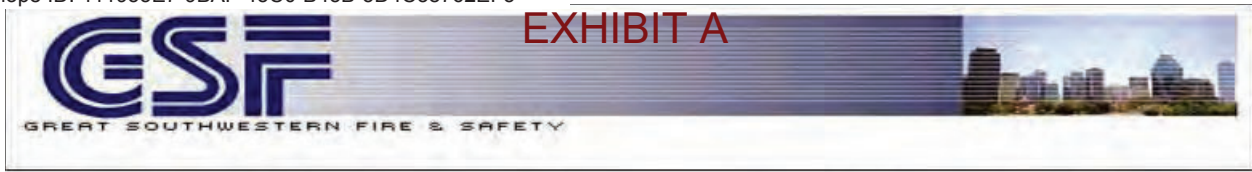
Description	Quantity	Unit	Unit Cost	Labor	Material & Equipment	Subcontract	
<u>Subcontractors</u>							
Great Southwestern Fire & Safety - Panel Hardware Material	1.0	LS	\$ 19,198.00	\$ -	\$ -	\$ 19,198	
Great Southwestern Fire & Safety - Field Devices	1.0	LS	\$ 81,425.00	\$ -	\$ -	\$ 81,425	
Great Southwestern Fire & Safety - Rewiring above ceiling	1.0	LS	\$ 9,600.00	\$ -	\$ -	\$ 9,600	
Great Southwestern Fire & Safety - Heat Trace Wiring	1.0	LS	\$ 3,775.00	\$ -	\$ -	\$ 3,775	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
<u>Vaughn Self Perform</u>							
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
<u>Vaughn General Conditions</u>							
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				SUBTOTAL	\$ -	\$ -	\$ 113,998

Vaughn General Conditions	SUBTOTAL	\$ 113,998
RCCIP - Premiums/Increase (1.4%)	1.40%	\$ 1,596
Builders Risk - Premiums/Increase (.24%)	0.24%	\$ 274
Fee for Work preformed by the Contractor's own employees (per UGC 14.8.1.1)	SUBTOTAL	\$ -
Work up to \$10,000.00, add...	15.0%	\$ -
Work between \$10,000.01 and \$20,000.00, add...	10.0%	\$ -
Work greater than \$20,000.00, add...	5.0%	\$ -
Fee for Managing subcontracted work (per UGC 14.8.4)	SUBTOTAL	\$ 113,998
Work up to \$10,000.00, add...	10.0%	\$ -
Work between \$10,000.01 and \$20,000.00, add...	7.5%	\$ -
Work greater than \$20,000.00, add...	5.0%	\$ 5,700

TOTAL EXCLUDING BOND \$ 121,567

Bond Premium - Subtotal 0.90% \$ 1,026

TOTAL INCLUDING BOND \$ 122,593



GREAT SOUTHWESTERN FIRE & SAFETY
310 W. COMMERCE ST
DALLAS, TEXAS 75208
ACR-1751263, ECR-842
GSF Contact: Jimmie Oliver

PROPOSAL

Quote Number: JO21-04-119
Original Quote Date: 5/06/2021

[Redacted]

To: [Redacted]

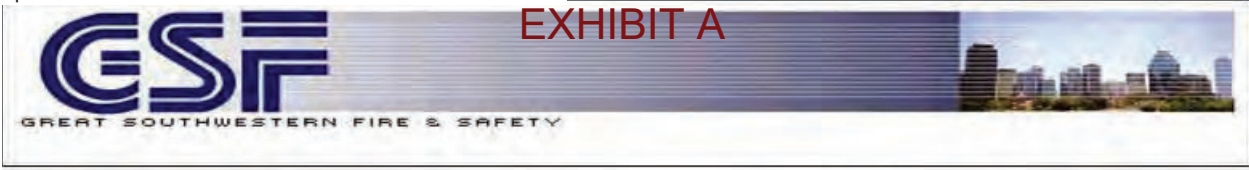
RE: Terrill Hall MEP
Voice EVAC Upgrade
1611 W. Mulberry St.

This proposal is based on plans provided by Hodges Architecture, dated 1/03/2020. Pricing based on building being [Redacted]. Addendums are acknowledged. Change out existing Notifier 640 Horn/Strobe Fire Alarm to NFS2-3030 Emergency Voice EVAC system. Change out of Onxy Network Cards to be determined after investigation. Field A/V devices to be determined after site survey.

Proposed BOM for Voice Panel Scope of Work:

- Notifier CPU2-3030D Voice EVAC Panel
- LCD-160 Remote Annunciator
- LCM-320 Loop Control Module
- (1) AMPS-24 Addressable Power Supply
- (2) DAA2-7525 Digital Amplifier
- DVC-EM
- DVC-KD
- Back boxes, Chassis, dress plates
- Drawings & Submittals (CAD Files supplied by others)
- Permit
- Final Test & Training W/local AHJ

Total Amount: \$19,198.00



Proposed BOM for Field Devices Scope of Work:

- (56) SPCWL Ceiling mount Speakers, white
- (115) SCWL Strobes, Ceiling mount, White
- (6) SPSWL Speaker/Strobes, Wall mount, White
- (2) SWL Strobes, wall mount, white
- Replace any Photo Smoke Detectors older than FSP-751
- Replace existing (5) FCPS 24S8 power Supplies
- [REDACTED] & Submittals (CAD Files supplied by others)
- Final Test & Training W/local AHJ

\$81,425.00

Proposed

- Clean up all Fire Alarm wiring above ceiling including both NAC & SLC Fire Alarm Wiring to be neat and strapped up
- Rewire all existing Initiating devices to meet Class "A" standards, to include Basement & Floors 1-3.

Total Amount: \$9,600.00

Proposed Heat Trace Monitoring:

- Provide Monitor Modules and relays for Heat trace monitoring in crawl spaces.

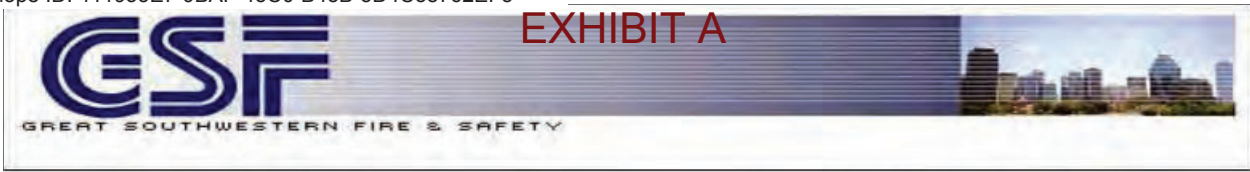
Total Amount: \$3,775.00

Grand Total Amount: \$113,998.00

Our proposal is based the following standards:

Project code design references:

- NFPA-70 National Electrical Code
- NFPA-72 2015 National Fire Alarm code.
- OSHA 29 CFR 1910.165 employee alarm/communications system as it applies to current scope.



- NFPA-90A Standard for installation of air conditioning and ventilating systems
- NFPA-13 Standard for installation of Sprinkler Systems as it applies to our scope of work.
- IBC & IFC 2015
- ADA American Disability Act Audibility.
- Notifier recommended installation and configuration practices.
- [Redacted] and amendments of the UNT fire department.
- [Redacted] *NFPA-72, UFC, OSHA visual references apply to this scope of work.*

Please [Redacted] Southwestern Fire & Safety has successfully met the established requirements for the following certifications for the following:

- [Redacted] Historically Underutilized Business - HUB)
- [Redacted] - (Disadvantaged Business Enterprise Certification)
- DFW MBC Certification - (Minority Business Enterprise Certification)
- Notifier Authorized Distributer and Integrator
- Copper Wheelock Mass Notification Channel Partner
- SIGCOM Authorized Distributer

PRECONSTRUCTION SUBMITTALS [Redacted]

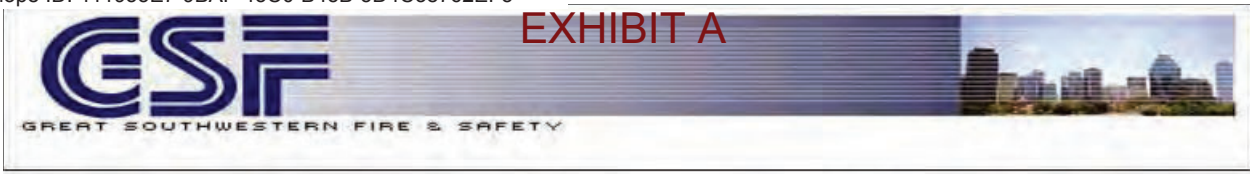
Submittals shall be complete for each definable feature of work; components of definable feature interrelated as a system shall be submitted at the same time.

Prior to initiating field work, three copies of the following will be submitted for approval:

- Certificates of insurance
- List of proposed products
- Construction Progress Schedule with Milestone Dates.
- Work plan
- Safety Manuals
- Samples of warranty language when the contract requires extended product warranties

DESIGN & SHOP DRAWINGS

Provide plan view drawing showing device locations, terminal cabinet locations, device locations, junction boxes, other related equipment, conduit routing, wire counts, circuit identification in each conduit, and circuit layouts for all floors. Provide typical drawings of devices. Provide stand by and circuit voltage drop calculations.



Work is to be accomplished during regular working hours on consecutive weekdays unless otherwise stated, which is 8:00 a.m. to 5:00 p.m. Monday through Friday.

This proposal may be withdrawn by us if not accepted within 90 days.

All material is guaranteed and all work will be performed in a neat, workmanlike manner per appropriate NFPA Standard. Payment is due upon completion of work. Incremental payments will be required on jobs lasting 14 days

[Redacted] defined as having completed the above mentioned Scope of Work and is in no way connected to the receipt of approval by the [Redacted] jurisdiction (AHJ), except as directly related to the above mentioned Scope of Work.

Any alteration or deviation from the above specifications, involving extra costs, will be executed only upon written orders, and will become an extra charge. All agreements are contingent upon strikes, accidents or delays. [Redacted] owner will carry fire, tornado, and, other necessary insurance. "GSF" agrees to

carry [Redacted] and Public Liability Insurance or EQUAL. Work will not be performed in any environment where [Redacted] owners agree to inform Great Southwestern Fire & Safety of any potential exposure to asbestos prior to granting approval to begin any work.

Please refer any inquiries to Great Southwestern Fire and Safety quote number: # **JO21-5-122**

Remember Great Southwestern Fire and Safety is the one name you can depend on for

ALL OF YOUR FIRE PROTECTION NEEDS

Faithfully Yours

[Redacted Signature]
[Redacted Name]
ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Please fill out billing information below and attach a formal purchase order.

Date _____ Signature _____ Print Name _____

Purchase Order Number#: _____ Purchasing Agent _____

EXHIBIT A



PROPOSAL

Project: UNT Terrill Hall MEP Renovations

Proposal No. 272903-CP0042R1

Proposal Date: 6/2/2021

RFI-042 – Classroom 120 & 121 Window Pockets: **\$25,318**

(See Attached Pricing Breakdown)

- Replacement of Sealed Insulating Glass (IG) at Existing Windows
- Demo/Removal of Existing 1-Sided Partitions
- Drywall/Framing Changes
- Paint and Additional Caulking

PAYMENT & PERFORMANCE BOND: **\$214**

TOTAL PRICE INCLUDING P&P BOND: **\$25,532**

TIME EXTENSION TO CONTRACT: **0 Days**

Our price is valid for Ninety (30) days.

Please indicate your acceptance by issuing a Construction Change Directive for the amount listed above at your earliest convenience.

THE UNIVERSITY OF NORTH TEXAS

Change in Work - Cost Analysis Form

(To Be Completed All Subcontractors, Suppliers & Contractors Associated with the Change Proposal)

Project No. & Name: 2729-03 UNT Terrill Hall MEP Renovations DATE 6/2/2021
 Contractor Name: Vaughn Construction - Contractor Change No. CP-042R1
 Description of Change: RFI-042: Classroom 120 & 121 Window Seat Details

Description	Quantity	Unit	Unit Cost	Labor	Material & Equipment	Subcontract	
<u>Subcontractors</u>							
SPD Resources - Drywall/Framing Scope - No. 208193R	1.0	LS	\$ 11,747.00	\$ -	\$ -	\$ 11,747	
SPD Resources - Painting Scope - No. 110820	1.0	LS	\$ 1,050.00	\$ -	\$ -	\$ 1,050	
SPD Resources - COR No. 272903	1.0	LS	\$ 10,945.00	\$ -	\$ -	\$ 10,945	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
<u>Vaughn Self Perform</u>							
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
<u>Vaughn General Conditions</u>							
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
				SUBTOTAL	\$ -	\$ -	\$ 23,742

Vaughn General Conditions	SUBTOTAL	\$ 23,742
RCCIP - Premiums/Increase (1.4%)	1.40%	\$ 332
Builders Risk - Premiums/Increase (.24%)	0.24%	\$ 57
Fee for Work performed by the Contractor's own employees (per UGC 14.8.1.1)	SUBTOTAL	\$ -
Work up to \$10,000.00, add...	15.0%	\$ -
Work between \$10,000.01 and \$20,000.00, add...	10.0%	\$ -
Work greater than \$20,000.00, add...	5.0%	\$ -
Fee for Managing subcontracted work (per UGC 14.8.4)	SUBTOTAL	\$ 23,742
Work up to \$10,000.00, add...	10.0%	\$ -
Work between \$10,000.01 and \$20,000.00, add...	7.5%	\$ -
Work greater than \$20,000.00, add...	5.0%	\$ 1,187

TOTAL EXCLUDING BOND \$ 25,318

Bond Premium - Subtotal 0.90% \$ 214

TOTAL INCLUDING BOND \$ 25,532

Designed by/for: Layne Glass Co
UNT

Date: 5/19/2021

ARCHITECTURAL GUIDE SPECIFICATION SECTION 088000 GLAZING

Note to Specifiers:

The specifications below are suggested as desirable inclusions in glass and glazing specifications (section 088000), but are not intended to be complete. An appropriate and qualified Architect or Engineer must verify suitability of a particular product for use in a particular application as well as review final specifications. Oldcastle BuildingEnvelope® assumes no responsibility or liability for the information included or not included in these specifications.

APPROVED GLASS FABRICATOR

Oldcastle BuildingEnvelope®

GLAZING PRODUCTS

Glass Standards

1. USA - Annealed float glass shall comply with ASTM C1036, Type I, Class 1 (clear), Class 2 (tinted), Quality-Q3. Canada - Annealed float glass shall comply with CAN/CGSB-12.3-M, Quality-Glazing.
2. USA - Heat-strengthened float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3, Kind HS.
Canada - Heat-strengthened float glass shall comply with CAN/CGSB-12.9-M, Type 2-Heat-Strengthened Glass, Class A-Float Glass.
3. USA - Tempered float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3, Kind FT. Canada - Tempered float glass shall comply with CAN/CGSB-12.1M, Type 2-Tempered Glass, Class B-Float Glass.
4. USA - Laminated glass to comply with ASTM C1172. Canada - Laminated glass to comply with CAN/CGSB-12.1-M, Type 1-Laminated glass, Class B-Float Glass.
5. USA & Canada - Glass shall be annealed, heat-strengthened or tempered as required by codes, or as required to meet thermal stress and wind loads.

www.obe.com/systemselect



Contact Oldcastle BuildingEnvelope® at 866-OLDCASTLE (653-2278) for samples or additional information. SystemSelect® calculates center of glass data using the Lawrence Berkeley National Laboratory (LBNL) Berkeley Lab WINDOW Calc Engine (CalcEngine) with thermal performance per NFRC 100, 200 & 500. Glass data is from following sources: 1. LBNL International Glazing Database (IGDB) v70.0; 2. Vendor supplied data; 3. LBNL Optics 6; 4. Based on vendor testing, clear acid-etched glass performance data is estimated using regular clear glass of equivalent thickness. Framing system values and glass spacer values determined per LBNL THERM 7.4. Thermal values are in both Imperial (IP) and Metric (SI) units.

Sealed Insulating Glass (IG)

Vision Glass (Vertical)

1. IG units consist of glass lites separated by a dehydrated airspace that is hermetically dual sealed with a primary seal of polyisobutylene (PIB) or Thermoplastic Spacer (TPS) and a secondary seal of silicone or an organic sealant depending on the application.
2. USA - Insulating glass units are certified through the Insulating Glass Certification Council (IGCC) to ASTM E2190. Canada - Insulating Glass units are certified through the Insulating Glass Manufacturers Alliance (IGMA) to either the IGMAC certification program to CAN/CGSB-12.8, or through the IGMA program to ASTM E2190.

IG VISION UNIT PERFORMANCE CHARACTERISTICS

1. Exterior Lite: 6mm (1/4") Vitro Solarbronze®
2. Cavity: 3/8" (Air Fill)
3. Interior Lite: 6mm (1/4") Vitro Clear
4. Performance Characteristics

<u>Thermal</u>		<u>Optical</u>	
Winter U-factor (Btu/h·ft ² ·F):	0.49	Visible Light Transmittance:	47%
Winter U-factor (W/m ² ·K):	2.81	Visible Light Reflectance (outside):	8%
Solar Heat Gain Coefficient:	0.51	Visible Light Reflectance (inside):	13%
Shading Coefficient:	0.59	Total Solar Transmittance:	39%
Light to Solar Gain:	0.92	Total Solar Reflectance (outside):	7%
		Ultraviolet Transmittance:	21%

www.obe.com/systemselect



Contact Oldcastle BuildingEnvelope® at 866-OLDCASTLE (653-2278) for samples or additional information. SystemSelect® calculates center of glass data using the Lawrence Berkeley National Laboratory (LBNL) Berkeley Lab WINDOW Calc Engine (CalcEngine) with thermal performance per NFRC 100, 200 & 500. Glass data is from following sources: 1. LBNL International Glazing Database (IGDB) v70.0; 2. Vendor supplied data; 3. LBNL Optics 6; 4. Based on vendor testing, clear acid-etched glass performance data is estimated using regular clear glass of equivalent thickness. Framing system values and glass spacer values determined per LBNL THERM 7.4. Thermal values are in both Imperial (IP) and Metric (SI) units.

EXHIBIT A**Dallas Division**

8350 North Central Expressway
 Suite 775
 Dallas, TX 75206
 Phone: 214-540-5900
 Fax: 214-540-5940

RFI Response 0042

RFI # 0042	Reviewer: TLC PRIME- AMY SUMNER	Log ID: 213403
Project: 518073 - UNT - TERRILL HALL BUILDING		Received: 05/13/2021
Name: WINDOW POCKET DETAILS AT CLASSROOM 120 AND 121		Returned: 05/17/2021

Please Note: The following RFI response is not intended to authorize any deviation or modification to the design documents except as specifically clarified below for this specific application and circumstance.

Furthermore, this response is not intended to authorize any increase in construction cost, schedule or time extension, or construction in conflict with any applicable codes or specified design standards. It is the responsibility of the Contractor to notify the design team immediately of any perceived scope, schedule, or cost impacts or adjustments.

Comments

1. Refer to attached response from GSO Architects

EXHIBIT A

REQUEST FOR INFORMATION



9160 Sterling Street,
Suite 100
Irving, TX 75063

T: (214) 382-3700
F: (214) 382-3699

RFI NO: 42

To: [Redacted]
TLC Engineering Solutions
8350 N. Central Expy. Ste 775
Dallas, TX 75206
Phone: [Redacted]
Fax: [Redacted]

Date: 05/12/2021

Required By: 05/13/2021

Owner: University of North Texas

From: [Redacted]

Job No : 272903

Project: Terrill Hall MEP Renovations
1611 W Mulberry St
Denton, TX 76201

Re: Window Pocket Details at Classrooms 120 & 121

Spec. Section:

Drawing Number: A1.1

Other Reference: Site Photos

Question:

Please see the attached site photos showing the current condition of the existing windows within Classroom 120 and 121. It was requested by the Owner for the existing partition wall at the perimeter of the 2 classrooms to be demolished in order to expose the existing window conditions which were closed off during a previous renovation. UNT has requested the existing window to be salvaged (Verification needed), and for GSO to provide architectural details in order to integrate the existing windows into the new classroom design.

Please provide an elevation sketch and related architectural details associated with the classroom window seats intended to be installed at Classroom 120 and 121. Please advise if any special considerations are to be made based upon a sitewalk conducted on 5/12 between Vaughn, UNT and GSO Architects.

Answer:

**SEE ATTACHED DETAILS AT END OF THIS RFI
AMY SUMNERS - 05.13.21**

Very truly yours,

VAUGHN CONSTRUCTION

Attachments:

CC: Page 14 of 36