Reque for Bi	est d	MARSHALL UNIVERSITY Direct all in	Marshall University Office of Purchasing One John Marshall Drive Huntington, WV 25755-4100 SHALL ERSITY _W Direct all inquiries regarding this order to: (304) 696-2599					
Vendor	•		For information cont Angela White Negley, Phone: (304) 696-259 Email: <u>negley4@mars</u> <u>purchasing@marshall</u>					
Sealed req AWARD, U THE DATE time for ite waive infor CONDITIO	uests to bid NLESS OTH AND TIME S ms containe rmalities or i NS AS SET F	for furnishing the supplies, equipment (ERWISE NOTED, THE BID WILL BE SU SHOWN FOR THE BID OPENING. When Id herein. The Institution reserves the r rregularities and to contract as the bes ORTH HEREIN.	or services described below will be BMITTED ON THIS FORM AND UPL applicable, prices will be based or ight to accept or reject bids on eac t interests of the Institution may re	received by the Instituti OADED INTO THE MU E units specified; and Bi h item separately, or as quire. BIDS ARE SUBJE	on. TO RECEIVE C BONFIRE PORTAL dders will enter th a whole, to reject CT TO THE GENE	ONSIDERATION FOR ON OR BEFORE e delivery date or any or all bids, to RAL TERMS AND		
DA	TE	MANDATORY PRE-BID	DEPARTMENT	BIDS O	PEN:	BIDDER MUST		
		MEETING:	REQUISITION NO.	5/18/21 at 3:00 j Broadcast via 7	5/18/21 at 5:00 p.m. LP1 Broadcast via Teams at			
5/11/	2021	5/4/21 at 10:00 a m _I_PT	R2101645	https://tinyurl	.com/Shewey-	DELIVERT		
5/11/2021 5/4/21 6		5/4/21 at 10:00 a.m., E1 1	R2101645	Renovations-H	Renovations-Bid-Opening			
						BID		
Item #	Quantity		Description		Unit Price	Extended Price		
		<u>Adder</u> PROJJ Shewey Bu	<u>1dum No. 01</u> ECT NAME: R2101645 ilding Interior Renovations					
		Marshall U The purpose of this addendum meeting sign-in sheet, respond revised Form of Proposal, Spec	niversity – Huntington, WV n is to issue a copy of the n to vendor's technical questic effications and Drawings.	nandatory pre-bid ons, and provide a				
	of Duraha	oing			Total			

In compliance with the above, the undersigned offers and agrees, if this offer is accepted within ______calendar days (30 calendar days unless a different period is inserted by the purchaser) from the bid open date, specified above, to furnish any or all items upon which prices are offered, at the price set opposite each item, delivered at the designated point(s), within the time specified.

Bidder guarantees	shipment from		Bidder's name Vendor		
	within	days	Signed By		
FOB	After receipt of order at address shown	n	Typed Name		
Terms			Title		
		_	Email		
			Street Address		
			City/State/Zip		
			Date	Phone	
BOG 43			Fein		

SOLICITATION NUMBER: R2101645 Shewey Building Interior Renovations

Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- [] Modify bid opening date and time
- [X] Modify specifications of product or service being sought
- [X] Attachment of vendor questions and responses
- [X] Attachment of pre-bid sign-in sheet
- [] Correction of error
- [] Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

- 1. Mandatory pre-bid sign-in sheet.
- 2. Responses to vendor's technical questions.
- 3. Revised Form of Proposal, Specifications and Drawings.

NO OTHER CHANGES.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith and is specifically incorporated herein by reference.

Terms and Conditions:

- 1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
- 2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.



Office of Purchasing MANDATORY PRE-BID MEETING SIGN-IN SHEET

PROJECT NAME: PROJECT NO: MEETING PLACE; DATE:

Shewey Building, 2001 3rd Avenue, Huntington, WV-Multipurpose Room 206 May 4, 2021 Shewey Building Interior Renovations R2101645

Confirmed Email Attendees:

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NAME	Heven A. Kinder		CHRIS SHAW		Chad.	Sizenore	Tom Heck		Lor Park	Mar Parcae	Scott Cerringhan	Bundon Di Bello	TEACLY TIMENY
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Developed by the Office of Purchasing

Revised: 11/2/20



Office of Purchasing MANDATORY PRE-BID MEETING SIGN-IN SHEET

#	NAME	TITLE	REPRESENTING	PHONE	CELL	FAX	EMAIL
-	Blake	2 IN	b? b Bailders Inc.	-LSL-195	-145-402	- TST - 405	bstevens@
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⇒ j	AMBER YOST	INTERIOE DESIGNER	EDWARD TUCKER ARCHITECTS	304-697- 4990	304-901. 6397	304-697- 4991	ady@etarch.com
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	Developed by the Office of	Purchasing					Revised: 11/2/20

S2F CONSTRUCTION LLC General Contractor Services	
 CONSTRUCTION MANAGEMENT & CONSULTING RESTORATION & BECON SPECIALIST COMMERCIAL & RESIDENTIAL CUSTOM CARPENTRY REMODELING 	
s2fconstruction@valiou.com 304-532-6655	WV 059210





Brandon DiBello Project Engineer, Special Projects bdibello@ryconinc.com

T: 412-392-2525 F: 412-392-2539

C: 412-592-8147

2501 Smallman Street, Suite 100
Pittsburgh, PA 15222
www.ryconinc.com



Scott A. Cunningham Estimator

304.440.9203 (o) 304.532.3659 (c) scunningham@sqpgc.com | SQPGC.com

281 Smiley Drive St. Albans, WV 25177



TOM HECK

PROJECT MANAGER

COMMERCIAL

INDUSTRIAL

MECHANICAL

office 606 325 4673 fax 606 324 5176 theck@wbfosson.com Cell 606.923.0239 3321 Winchester Avenue P.O. Box 1859 Ashland, KY 41105



3410 Chesterfield Avenue Charleston, West Virginia 25304 304.925.3190 f 304.925.3228 John Strickland, Project Manager istrickland@mcsconstructionwv.com







ADDENDUM NO. 1 May 11, 2021

Marshall University – Shewey Building Interior Renovations

Joan C. Edwards Stadium - Marshall University One John Marshall Drive, Huntington, WV

TO: All prime contract bidders:

This Addendum forms a part of the contract documents and modifies the original specifications and drawings, dated April 23, 2021. Acknowledge receipt of this Addendum in the space provided on the Proposal Form. Failure to do so may subject bidder to disqualification.

:

The contents of this Addendum consist of the following:

- Edward Tucker Architects Addendum No. 1 Letter dated May 11, 2021 with Items 1-3 (1 Page).
- Addendum No. 1 Technical Questions and Answers (6 Pages)
- Revised Form of Proposal (3 Pages)
- Revised Section 01 21 00 Allowances (2 pages).
- New Section 03 54 00 Cast Underlayment (3 pages).
- Revised Section 09 66 23 Resinous Matrix Terrazzo Flooring (4 pages).
- Locker Room Demolition & New Locker Plan Drawing A2.2
- Shewey Building Lower Level Plan Drawing SD1
- Shewey Building Upper Level Plan
- Revised Details 6/A10.1 & 7/A10.1 Drawing SD2
- Scheeser Buckley Mayfield Letter dated May 11, 2021 with Plumbing, Mechanical and Electrical Items (2 Pages).
- Revised Drawing E1 General Notes and Symbol Legend Elec.
- Revised Drawing E2 Demo/Lighting Part. 1st & 2nd Floor Plans Elec.
- Revised Drawing E4 Demo/Pwr./Sys. Partial 1st & 2nd Floor Plans Elec.

Item 1	DRAWING D1.1 DEMOLITION PLAN
	a. Revise Demolition Keynote D1 to read "Remove existing acoustical ceiling tile & grid, light fixtures, two layers of wall tile, wall base, existing flooring, floor tile and thick-set to concrete slab beneath".
	 Revise Demolition Keynote D12 to include "Remove existing window treatments".
ltem 2	<u>DRAWING A1.1 ARCHITECTURAL PLANS</u> a. Revise Architectural Keynote A9 to read "Existing Full Glass Door to Receive Vinyl Print on Glass – Vinyl Print Purchased & Installed with Sign Allowance".
	b. Revise Architectural Keynote A12 on east wall of Shower to read A13.
ltem 3	 DRAWING A9.1 FINISH SCHEDULE & DETAILS a. Add Finish General Note "6. In Locker Room Restroom and prior to installation of terrazzo flooring system, install water mitigation system and concrete topping on existing concrete slab and slope to existing drain locations. See revised Details 6/A10.1 and 7/A10.1 and Specifications in Addendum 1."
	- END OF ADDENDUM NO. 1 -



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Q1. An elevation calls for screen signage on an existing aluminum framed glass door. There is a specification allowance for Signage. Is the screen signage a part of the specified Allowance?

A1. The costs of the vinyl film on the existing doors shall be included in the \$5,000 Signage Allowance – See Section 01 21 00.

Q2. The Architect has specified 3 alternates. Is there a place on the bid form for Alternates?

A2. See revised Form of Proposal in Addendum 1.

Q3. The Urinal Screens are called out ceiling mounted. There are not details for mounting structure. Is the contractor to design their own mounting of the partitions.

A3. The design intent is for the urinal screens to be wall mounted, with additional support being provided by the ceiling mounting above. Provide wood blocking per specification section 06 10 00 Rough Carpentry.

- Q4. We have spoken with terrazzo contractors. We have the following comments;
 - a. We need to know if the tile installed over the concrete floor is thin-set or thick-set. If the tile is thick-set, will the terrazzo be installed over mortar base or will this be removed and filled with concrete. Can you provide details from the original drawings to guide us?
 - b. Verify that the Shower Columns are not sitting on a floor drain.
 - c. The precast cove base installation could cause additional time. We would suggest a straight base on top of the terrazzo floor over the ceramic wall tile.
 - d. There is currently a **shortage in epoxy materials** (chemicals) due to the pandemic. If this is correct, will we be held to the LD's for this cause outside of our control.
 - e. Based on the gross quantity, the terrazzo will take 1 month to complete. This will cause us to have parts of the construction sequence to become difficult for other trades to complete their work. Based on the limited space and cure time in the Locker Shower/Toilet the coordination is going to be hard with this shortened duration. We had a discussion during the pre-bid regarding Locker replacement not finishing by August 1, is it not reasonable to extend the duration so that all the work can be completed.

A4. a. Contractors shall bid removal of the existing epoxy/resinous floor, floor tile underneath and existing thick-set down to the concrete slab.

b. Install new floor drain at location of existing shower columns to be removed, top of floor drain to match new floor elevation. Floor drain to be similar to "Wade" No. 11000STC series, cast iron with nickel bronze top. Coordinate pipe size in field. c. A terrazzo straight base on top of the terrazzo floor over the ceramic wall tile is acceptable. See detail in Addendum 1.

d. Contractors will not be held responsible for material delays out of their control.

e. Completion of the restroom/shower area shall take priority over the Multi-purpose portion of the project. Contractors will not be held responsible for schedule delays on the installation of the lockers.

Q5. We still do not have a good overall layout of the areas and there relationships to the exterior, relationships to occupied areas, and travel paths for debris, men, equipment, and materials. Can you provide the lower level and upper level floor plans for reference.

A5. See plans of lower and upper levels in Addendum 1.

Q6. Do the window treatments in the Multi-purpose Room remove?

A6. Existing window treatments shall be removed.

- **Q7.** We have spoken with sole source Translucent panel supplier. We have the following comments;
 - a. This LED panel system is a 4 week approval process.
 - b. This LED panel system is currently running 8 weeks delivery due to supply issues.
 - c. This LED panels system is manufactured to be seen from 1 side only. The back of the panels hold the lighting and wires. Which is the intended front of the Translucent panel?
 - d. The standard finishes can be selected, but any additional imbedded finishes add to the sample finish approval time.
 - e. We can't complete the installation within the time allotted for the Work.
 - A7. a. General Contractors will not be held responsible for material delay out of their control.

b. General Contractors will not be held responsible for material delay out of their control.

c. The front of the LED panel system will be towards the interior of Multi-purpose Room.

d. Standard finishes will be selected.

e. General Contractors will not be held responsible for material delay out of their control.

Q8. Note that the Architect has up to 15 days, as specified, to approve any submittal. If this is a time sensitive Project, cut this time back to 2 days to turn around a submittal by addendum. This would allow the contractor to delegate critical deliveries through the submittal process faster to the fabrication and delivery process.

A8. As discussed at the Pre-Bid, the Architect will turn around submittals as soon as possible to help with the tight construction schedule.

Q9. Where is the Fire Alarm Control Panel located?

A9. Fire alarm panel is located in the entrance lobby to the building, flush in the wall.

Q10. Where is the roof access?

A10. Roof access is provided in Mechanical Room 253 – See Upper Level Plan in Addendum 1.

Q11. Is there an overall floor plan for the project?

A11. See existing plans in Addendum 1.

- **Q12.** Can you provide more information about the "wrapped beam" that sheet E3 Note#7 has the new branch circuit conduits passing through?
 - a. Framing details?
 - b. steel details possibly from as built drawings?
 - c. Or, is the plan to demo and replace this sheetrock after the conduits are installed?

A12. The intent was to conceal the conduit from view on top of the beam. We did not intend to cut and patch any wall material.

Q13. Confirming we are being directed to channel and repair/patch the cinder block walls in the restroom area to install the boxes for the toilet and urinal flush sensors.

A13. This was the intent, coordinate with architect as wall will need to meet architect's standard of "patch to match". Do not jeopardize the structure of the wall.

Q14. Will the 12 flush sensors each require separate power and sensor boxes?

A14. Confirm with supplier. We have no issue sharing power supplies. Each valve will require a dedicated sensor.

Q15. Will $\frac{1}{2}$ " conduit be acceptable for the flush sensor risers, to reduce trench sizes?

A15. Yes

- Q16. The new load side 3-pole breakers for both new panels are coming from existing panels a. 1 panel shows no spaces or spare openings. How do you want to create the 3 new spaces?
 - b. 1 panel shows 1 spare on the left and 2 spares on the right. Is it acceptable to rework existing circuits in the panel to group the 3 spaces together and note such on the panel schedule?

A16. a. Remove 3 single install 3-pole. Serve 3 removed from new panelboard.

b. Yes, that was the intent. Pay attention to sharing neutral conductor.

Q17. Will the counter height quad outlets shown on the electrical power drawings be changed if alternates #1 and #2 are not accepted?

A17. Coordinate with architect but we assume so.

- Q18. The following questions concern the new locker adder;
 - a. Confirming that a 3rd party, owner selected contractor will provide and install the new lockers complete.
 - b. Who will demo and remove the old lockers?
 - c. Who will demo the existing electrical work installed in the old lockers?
 - d. Will there be any overhead lighting revisions associated with the new lockers?
 - e. Will there be any electrical provisions in the new lockers and who will be responsible for installation and/or final connections.
 - f. Does the adder amount include P&O for the GC to manage the package, schedule the work and oversee the installation, or should it be marked up accordingly?
 - g. If the locker installation continues past the base bid substantial/final completion, will the GC still be responsible for coordination of this work?

h. Please confirm the GC is not responsible for liquidated damages associated with the materials or installation of the owner specified locker systems.

A18. a. Shield Casework, Marshall's selected locker Contractor, shall provide and install the lockers.

- b. Marshall University
- c. Marshall University

d. No lighting revisions shall be included in bid price.

e. General Contractor is not responsible for any electrical work associated with locker demolition or installation.

f. The \$375,000 locker allowance does not include a mark up by the General Contractor. General Contractors' shall mark up this portion of the work as they see fit.

g. Delays in the locker installation will not be held against General Contractor. If final completion has been obtained in the Restroom and Multi-purpose Room, the General Contractor will not be responsible for coordination of the locker installation.

h. Delays in the locker installation will not be held against General Contractor.

- Q19. Contract timeframe?
 - a. casework is 6 weeks out from the date of order if we sign a notice to proceed by June 1 with completion date of July 16th the case work will just be arriving. Not enough time here to complete.
 - b. contacted Marshall University recommend flooring vendor Martini Bros. they also state contract time is too tight and they will not be able to complete their work in the allotted time given.

A19. a. Contractors will not be held responsible for material delays that are out of your control.

b. Edward Tucker Architects has spoken with Martini Brothers and eased their worry about the construction schedule.

Q20. Lockers?

a. does the \$375,000 allowance by the locker company included furnish and install or just the lockers themselves? Or is it material only?

- b. being that the subcontract will be over \$250,000, our surety company will require them to carry a bond for their portion of work which will be the \$375,000 I need to find out if they are capable of and willing to obtain, the bond of \$375,000 because that is the only way we can bid the job is if they get that. Need contact info on the locker company, who to speak to etc.
- c. solution is the easiest way to remedy is to have Marshall University to pay for and install the lockers separate from the contract and have the GC to provide supervision or at least pay for the \$375,000 allowance if it is material only. Is this a possible solution
- A20. a. \$375,000 Locker Allowance shall include the furnishing and installation of lockers.

b. Locker vendor contact is Danny Lewis, with Shield Casework, at 816-875-3317 ext. 801, dlewis@sheildcasework.com.

c. \$375,000 Locker Allowance shall include the furnishing and installation of lockers.

- **Q21.** Plans A2.1 architectural note A9- Vinyl print purchase and installed by General Contractor. Can not find any info on this, please clarify!
 - a. Note A11 and A12 says add Alt 1 and Alt 2 see details. Once again, I find no detail listed anywhere and in the spec book, I find no bid sheet for alternate bidding.
 - b. A2.1 Locker room architectural plan- east shower wall shows no A12, should that be A13?
 - c. D1.1 Demolition notes there is no mention of removing existing tile from the showers, want to make sure that is what you're expecting to be done? The wall detail shows new tile over CMU not new tile laminated over old tile.
 - A21. a. See Details 1/A8.2, 2/A8.2 and 3/A8.2 on Casework Details drawing A8.2. See revised Form of Proposal.
 - b. Replace Note A12 on east shower wall with Note A13.

c. Bidders shall anticipate floor tile shall be removed under existing epoxy/resinous flooring. See Demolition Keynote D1 – Remove existing flooring to concrete slab beneath. Contractor shall also bid removal of two layers of wall tile on all Restroom walls.

FORM OF PROPOSAL

TO THE OWNER:	Marshall University, on behalf of the Governing Board
	One John Marshall Drive
	Huntington, West Virginia 25755

PROJECT: MARSHALL UNIVERSITY SHEWEY BUILDING INTERIOR RENOVATIONS Huntington, WV 25701

The undersigned, hereinafter called the Bidder, being familiar with and understanding the Bidding Documents and also having examined the site and being familiar with conditions affecting the Project hereby proposes to furnish all labor, material, equipment, supplies and transportation, and to perform all Work in accordance with the Bidding Documents within the time set forth in the Invitation to Bid for the sum of:

(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

ALTERNATE BIDS:

For omission from or addition to those items, services, or construction specified in Bidding Documents by alternate number, the following lump sum price will be added or deducted from the base bid.

ALTERNATE #1 BID:	\$
ALTERNATE #2 BID:	\$
ALTERNATE #3 BID:	\$

RESPECTFULLY SUBMITTED:

SIGNATURE:	Date:
Signature in Ink	
NAME	
Please Type or Print	
TITLE:	Corporate Seal
FIRM NAME:	if Applicable
FIRM ADDRESS:	
TELPHONE:	
CONTRACTOR'S: LICENSE NO.:	

WEST VIRGINIA FAIRNESS IN COMPETITIVE BIDDING ACT

Found in Chapter 5 Article 22 (§5-22-1) of the WV Code is the requirement for the apparent low bidder on projects exceeding \$250,000 to provide a list of all subcontractors who will perform more than \$25,000 of work on the project, including labor and materials, (provisions apply and may be found in the complete article). If no subcontractors are to be used to complete the project it will be so noted on the subcontractor list.

This information shall be provided to the Owner within one business day of the opening of bids for review prior to the award of a construction contract.

Failure to submit the subcontractor list within one business day after the deadline for submitting bids may result in disqualification of the bid.

CONTRACTORS LICENSE

West Virginia State Code §21-11-2 requires that all persons desiring to perform contractual work in this State must be duly licensed. The West Virginia Contractor Licensing Board is empowered to issue the Contractor License. Application for a Contractor License may be made by contacting the West Virginia Division of Labor, 1900 Kanawha Boulevard East, State Capital Complex-Building 3, Room 200, Charleston, West Virginia 25305, telephone: (304)558-7890.

West Virginia Code 21-11-11 requires any prospective Bidder to include the contractor's license number on their Bid. The successful Bidder will be required to furnish a copy of their contractor's license prior to issuance of a Purchase Order/Contract. Please complete and attach EXHIBIT A to Bid.

ADDENDA ACKNOWLEDGEMENT

T1

contained therein into full consi	ation in the formulation of this Bid.	
Addenda No. 1		
Addenda No. 2		
Addenda No. 3		
Addenda No. 4		
Addenda No. 5		
Failure to acknowledge receipt	ach Addendum may be cause for rejection of the Bid.	
SIGNATURE:	DATE:	
	Signature in Ink	

LIST OF PROPOSED SUBCONTRACTORS, EQUIPMENT / MATERIAL SUPPLIERS:

List as designated below each subcontractor / supplier for this proposal who will perform more than \$25,000 of work on the project. Also provide contractor's license number for each subcontractor as required by "West Virginia Contractor Licensing Act" and FEIN number as required by "West Virginia Fairness in Competitive Bidding Act".

If the branch of work is to be completed solely by Contractor, so indicate. If acceptance of an alternate proposal changes a subcontractor or equipment/material supplier, indicate by notation below. Contractor is responsible for selecting or changing subcontractors and/or equipment/material suppliers. Owner and Architect/Engineer may indicate their concerns about any entity listed which they have reason to believe past experience indicates poor performance may be expected. Bidder may be requested to change and unsatisfactory subcontractor or equipment/material supplier. Contractor has full responsibility for satisfactory execution of all work in accordance with Contract Documents. Any change of proposed subcontractors or material suppliers shall be at no additional cost to Owner, as Contractor has full responsibility for execution of the work.

Subcontractor / Supplier Name	Contractor License #	FEIN #
1		
2.		
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(Use Additional Pages as Required)

SECTION 01 21 00 ALLOWANCES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Cash allowances.
- B. Inspecting and testing allowances.
- C. Payment and modification procedures relating to allowances.

1.02 RELATED REQUIREMENTS

A. Section 01 20 00 - Price and Payment Procedures: Additional payment and modification procedures.

1.03 CASH ALLOWANCES

- A. Costs Included in Cash Allowances: Cost of product to Contractor or subcontractor, less applicable trade discounts, less cost of delivery to site, less applicable taxes.
- B. Architect Responsibilities:
 - 1. Consult with Contractor for consideration and selection of products, suppliers, and installers.
 - 2. Select products in consultation with Owner and transmit decision to Contractor.
 - 3. Prepare Change Order.
- C. Contractor Responsibilities:
 - 1. Assist Architect in selection of products, suppliers, and installers.
 - 2. Obtain proposals from suppliers and installers and offer recommendations.
 - 3. On notification of which products have been selected, execute purchase agreement with designated supplier and installer.
 - 4. Arrange for and process shop drawings, product data, and samples. Arrange for delivery.
 - 5. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.
- D. Differences in costs will be adjusted by Change Order.

1.04 INSPECTING AND TESTING ALLOWANCES

- A. Costs Included in Inspecting and Testing Allowances: Cost of engaging an inspecting or testing agency; execution of inspecting and tests; and reporting results.
- B. Costs Not Included in the Inspecting and Testing Allowances:
 - 1. Costs of incidental labor and facilities required to assist inspecting or testing agency.
 - 2. Costs of testing services used by Contractor separate from Contract Document requirements.
 - 3. Costs of retesting upon failure of previous tests as determined by Architect.
- C. Payment Procedures:
 - 1. Submit one copy of the inspecting or testing firm's invoice with next application for payment.
 - 2. Pay invoice on approval by Architect.
- D. Differences in cost will be adjusted by Change Order.

1.05 ALLOWANCES SCHEDULE

- A. Inspecting and Testing Allowance: Include the sum of \$5,000.00 for payment of inspecting and testing services specified in Section 01 40 00.
- B. Signage and Graphics: Include the stipulated sum of \$5,000 for purchase, delivery, and installation of building identification and other exterior signs, letters, logos, etc. (including vinyl glass film).

C. New Player Lockers: Include the stipulated sum of \$375,000.00 for purchase, delivery and installation of 125 player lockers (See Drawing A2.2). Locker installation will not be complete by the Final Completion Date of 7/31/2021, so the General Contractor will not be held responsible for delays associated with this portion of the work. Locker installation is scheduled to be completed prior to the first home game (9/11/2021).

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 01 21 00

SECTION 03 54 00

CAST UNDERLAYMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Liquid-applied self-leveling floor underlayment.
 - 1. Use cementitious type at shower floor areas indicated to receive terrazzo finish.

1.02 RELATED REQUIREMENTS

A. Section 01 70 00 - Execution and Closeout Requirements: Alteration project procedures; selective demolition for remodeling.

1.03 REFERENCE STANDARDS

- A. ASTM C109/C109M Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens); 2013.
- B. ASTM C1602/C1602M Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete; 2012.
- C. ASTM C348 Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars; 2014.
- D. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.

1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's data sheets documenting physical characteristics and product limitations of underlayment materials. Include information on mixing instructions.
- C. Manufacturer's Instructions.

1.05 QUALITY ASSURANCE

A. Applicator Qualifications: Company specializing in performing the work of this section, and approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Keep dry and protect from direct sun exposure, freezing, and ambient temperature greater than 105 degrees F (41 degrees C).

1.07 FIELD CONDITIONS

- A. Do not install underlayment until floor penetrations and peripheral work are complete.
- B. Maintain minimum ambient temperatures of 50 degrees F (10 degrees C) 24 hours before, during and 72 hours after installation of underlayment.
- C. During the curing process, ventilate spaces to remove excess moisture.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Cementitious Underlayment:
 - 1. ARDEX Engineered Cements; ARDEX K 13 with ARDEX P51 Primer: www.ardexamericas.com.
 - 2. LATICRETE International, Inc; LATICRETE DRYTEK LEVELEX Plus with LATICRETE DRYTEK LEVELEX Primer: www.laticrete.com.
 - 3. Maxxon Corporation; Level-One EZ: www.maxxon.com.
 - 4. Substitutions: See Section 01 60 00 Product Requirements.

2.02 MATERIALS

- A. Cementitious Underlayment: Blended cement mix, that when mixed with water in accordance with manufacturer's directions will produce self-leveling underlayment with the following properties:
 - 1. Compressive Strength: Minimum 4000 pounds per square inch (27.6 MPa) after 28 days, tested per ASTM C109/C109M.
 - 2. Flexural Strength: Minimum 1000 psi (6.9 MPa) after 28 days, tested per ASTM C348.
 - 3. Density: 125 pounds per cubic foot (2002 kg/cu m), nominal.
 - 4. Final Set Time: 1-1/2 to 2 hours, maximum.
 - 5. Thickness: Capable of thicknesses from feather edge to maximum 1-1/4 inch (25.4 mm).
 - 6. Surface Burning Characteristics: Flame spread/Smoke developed index of 0/0 in accordance with ASTM E84.
- B. Aggregate: Dry, well graded, washed silica aggregate, approximately 1/8 inch (3 mm) in size and acceptable to underlayment manufacturer.
- C. Water: ASTM C1602/C1602M; clean, potable, and not detrimental to underlayment mix materials.
- D. Primer: Manufacturer's recommended type for substrate condition.
- E. Joint and Crack Filler: Latex based filler, as recommended by manufacturer.

2.03 MIXING

- A. Site mix materials in accordance with manufacturer's instructions.
- B. Add aggregate for areas where thickness will exceed 1/2 inch (12.7 mm). Mix underlayment and water for at least two minutes before adding aggregate, and continue mixing to assure that aggregate has been thoroughly coated.
- C. Mix to self-leveling consistency without over-watering.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are clean, dry, unfrozen, do not contain petroleum byproducts, or other compounds detrimental to underlayment material bond to substrate.

3.02 PREPARATION

- A. Concrete: Mechanically prepare steel troweled concrete to create a textured surface necessary to achieve the best bond; acceptable methods include bead blasting and scarifying. Do not use acid etching.
- B. Remove substrate surface irregularities. Fill voids and deck joints with filler. Finish smooth.
- C. Vacuum clean surfaces.
- D. Prime substrate in accordance with manufacturer's instructions. Allow to dry.
- E. Close floor openings.

3.03 APPLICATION

- A. Install underlayment in accordance with manufacturer's instructions.
- B. Pump or pour material onto substrate. Do not retemper or add water.
 - 1. Pump, move, and screed while the material is still highly flowable.
 - 2. Be careful not to create cold joints.
 - 3. Wear spiked shoes while working in the wet material to avoid leaving marks.
- C. Place to indicated thickness, with top surface level to 1/8 inch in 10 ft (1:1000).
- D. Place before partition installation.
- E. Where additional aggregate has been used in the mix, add a top layer of neat mix (without aggregate), if needed to level and smooth the surface.

F. If a fine, feathered edge is desired, steel trowel the edge after initial set, but before it is completely hard.

3.04 CURING

- A. Once underlayment starts to set, prohibit foot traffic until final set has been reached.
- B. Air cure in accordance with manufacturer's instructions.

3.05 PROTECTION

- A. Protect against direct sunlight, heat, and wind; prevent rapid drying to avoid shrinkage and cracking.
- B. Do not permit traffic over unprotected floor underlayment surfaces.

END OF SECTION 03 54 00

SECTION 09 66 23

RESINOUS MATRIX TERRAZZO FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Epoxy matrix terrazzo with polished and slip resistant finishes.
- B. Divider strips.
- C. Precast epoxy terrazzo wall base.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 Volatile Organic Compound (VOC) Restrictions.
- B. Section 03 54 00 Cast Underlayment: Leveling and repairing floor surfaces to receive terrazzo.
- C. Section 07 92 00 Joint Sealants: Sealing joints between terrazzo work and adjacent construction and fixtures.
- D. Section 09 05 61 Common Work Results for Flooring Preparation: Concrete slab moisture and alkalinity testing and remediation procedures.

1.03 REFERENCE STANDARDS

- A. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2011.
- B. NTMA (COLOR) Terrazzo Color Palettes; The National Terrazzo and Mosaic Association, Inc; current edition located at www.ntma.com.
- C. NTMA (GRAD) Aggregate Gradation Standards; The National Terrazzo and Mosaic Association, Inc; current edition.
- D. NTMA (EPOXY) Epoxy Terrazzo Specifications; The National Terrazzo and Mosaic Association, Inc; Current Edition located at www.ntma.com.

1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data for divider strips, control joint strips, and sealer; include printed copy of current NTMA recommendations for type of terrazzo specified.
- C. Samples: Submit two samples, 2 inch (51 mm) by 2 inch (51 mm) in size illustrating color, chip size and variation, chip gradation, matrix color, and typical divider strip.
- D. Installer's Qualification Statement.
- E. Cleaning and Maintenance Data: Include procedures for stain removal, stripping, and sealing.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with NTMA recommendations as posted at their web site at www.ntma.com.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section.
 - 1. Minimum five years of documented experience.
- C. Installer Qualifications: Company specializing in performing the type of work specified in this section.
 - 1. Minimum five years of documented experience.
 - 2. Approved by matrix manufacturer.
 - 3. Contractor member of the National Terrazzo and Mosaic Association, Inc.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Store terrazzo materials in a dry, secure area.

- B. Maintain minimum temperature of 60 degrees F (16 degrees C).
- C. Keep products away from fire or open flame.

1.07 FIELD CONDITIONS

- A. Do not install terrazzo when temperature is below 50 degrees F (10 degrees C) or above 90 degrees F (32 degrees C).
- B. Maintain temperature within specified range 24 hours before, during, and 72 hours after installation of flooring.
- C. Provide ambient lighting level of 50 ft candles (540 lx), measured at floor surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Resinous Matrix Terrazzo Flooring: Terrazzo & Marble Supply Companies; Terroxy Resin Systems: www.tmsupply.com/#sle.
- B. Other Acceptable Manufacturers Resinous Matrix Terrazzo Flooring:
 - 1. Key Resin Company; Key Epoxy Terrazzo Flooring System: www.keyresin.com.
 - 2. Terrazzco; TERRAZZCO Epoxy Terrazzo System, a brand of Concord Terrazzo Company, Inc: www.terrazzco.com/#sle.
 - 3. Substitutions: See Section 01 60 00 Product Requirements.

2.02 EPOXY MATRIX TERRAZZO APPLICATIONS

- A. Floors:
 - 1. Thickness: 3/8 inch (9 mm), nominal.
 - 2. Color(s): As indicated on drawings.
 - 3. Aggregate Type: Marble chips.
 - 4. Aggregate Size: No. 2, 1, and 0 in proportion shown in specified Plate.
- B. Wall Base:
 - 1. Thickness: Same as floors.
 - 2. Thickness: 3/8 inch (9 mm), minimum.
 - 3. Style: Straight.
 - 4. Color(s): Same as adjacent floor.
 - 5. Aggregate Type and Size: Same as floors.

2.03 MATERIALS

A. Epoxy Matrix Terrazzo: Aggregate and matrix mix applied to substrate, troweled flat, and ground smooth.

1. Mix Proportions: As required to achieve appearance specified.

- B. Matrix: Two component resin and epoxy hardener with mineral filler and color pigment, non-volatile, thermo-setting.
- C. Aggregate: Type as indicated; sized in accordance with NTMA aggregate gradation standards; color(s) as indicated, uniform in color.
- D. Finishing Grout: Epoxy, color to match terrazzo matrix.
- E. Finishing Grout, Wet Areas (Shower Floors): Epoxy, clear, with special clear polymeric anti-skid textured enhancer.
 - 1. Lightweight, optically clear Thermoset Polymer Resin providing abrasion and slip resistance.
 - 2. Chemical resistance (Alkali, acids, alcohols, keytones, esters, detergents, gasoline, anti-freeze): Excellent.
 - 3. Products:
 - a. Marshall Additive Technologies; "ResNsand Ultra 60", 26776 W 12 Mile Road, Southfield, MI 48034, tel. 800-338-7900: www.Rjmarshall.com.
- F. Precast Epoxy Terrazzo Units: Fabricate to sizes and profiles indicated on drawings.

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2.04 ACCESSORIES

- A. Divider Strips: 1/8 inch (3 mm) thick zinc exposed top strip, zinc coated steel concealed bottom strip, with anchoring features.
- B. Control Joint Strips: 1/8 inch (3 mm) nominal width zinc exposed top strips, zinc coated steel concealed bottom strips, 1/8 inch (3 mm) wide neoprene filler strip between vertical strips, with anchoring features.
- C. Divider and Control Joint Strip Height: To suit thickness of terrazzo topping, with allowance for grinding.
- D. Base Cap, Base Divider Strip, and Separator Strip: Match divider strips.
- E. Anchors and Reinforcement for Precast Units: As recommended by manufacturer for type of installation.
- F. Sealer: Colorless, non-yellowing, penetrating liquid type to completely seal matrix surface; not detrimental to terrazzo components.
 - 1. Products:
 - a. Terrazzo & Marble Supply Companies; T-Rx: www.tmsupply.com/#sle.
 - b. Key Resin Company; Key #467-HS Urethane Sealer: www.keyresin.com.
 - c. Substitutions: See Section 01 60 00 Product Requirements.
- G. Primer: As recommended by manufacturer for type of installation.
 - 1. Products:
 - a. Key Resin Company; Key #597-MVT Penetrating Primer: www.keyresin.com.
 - b. Substitutions: See Section 01 60 00 Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive terrazzo.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive terrazzo.
- C. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of materials to subfloor surfaces.
- D. Cementitious Subfloor Surfaces: Verify that substrates are ready for terrazzo flooring installation by testing for moisture and alkalinity (pH).
 - 1. Test in accordance with Section 09 05 61.
 - 2. Obtain instructions if test results are not within limits recommended by terrazzo flooring manufacturer.
- E. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Clean substrate of foreign matter.
- B. Prepare concrete subfloor by mechanically abrading surface in accordance with manufacturer's instructions.
- C. Apply primer in accordance with manufacturer's instructions.

3.03 INSTALLATION

- A. Install control joint strips straight and flat to locations indicated.
- B. Install divider strips according to pattern approved on shop drawings.
- C. Install base and border divider and control joint strips to match floor pattern.
- D. Install terminating cap strip at top of base; attach securely to wall substrate.
- E. Place terrazzo mix over substrate to thickness indicated.
- F. Anchor precast units as indicated on drawings.

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RESINOUS MATRIX TERRAZZO FLOORING G. Install precast units using specified setting material.

3.04 FINISHING

- A. Finish terrazzo to NTMA requirements.
- B. Grind terrazzo surfaces with power disc machine; sequence with coarse to fine grit abrasive, using a wet method or using a dry grinder with vacuum to control dust.
- C. Apply grout to fill voids exposed from grinding.
- D. Remove grout coat by grinding, using a fine grit abrasive.
- E. Hand grind vertical and curved surfaces similarly.
- F. Apply sealer coat as recommended by manufacturer.
- G. Apply sealer coat with textured enhancer at wet use locations.

3.05 TOLERANCES

- A. Maximum Variation from Flat Surface: 1/4 inch in 10 feet (6 mm in one m).
- B. Maximum Variation from Level (Except Surfaces Sloping to Drain): 1/8 inch (3 mm).

3.06 CLEANING

- A. Scrub and clean terrazzo surfaces with neutral pH cleaner in accordance with manufacturer's instructions. Let dry.
- B. Immediately after terrazzo has dried, apply sealer in accordance with manufacturer's instructions.
- C. Polish surfaces in accordance with manufacturer's instructions.

3.07 PROTECTION

A. Protect finished terrazzo from damage due to subsequent construction until Date of Substantial Completion.

END OF SECTION 09 66 23







1. REMOVAL OF EXISTING LOCKERS SHALL BE PERFORMED BY OWNER.



SD1 T^{1 = 20-0¹}

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JOAN C. EDWARDS 2001 THIRD AVENUE HUNTINGTON, WV

REFERENCE A10.1

SD2



May 11, 2021

Edward Tucker Architects, Inc. 1401 Sixth Avenue Huntington, WV 25701

Attn: J.D. Maynard

Re: MU Shewey Building Renovation

Dear: J.D.

Please include the following items in the next addendum issued by your office for the above referenced project.

PLUMBING

- 1. Refer to sheet P2 "Demo/New Work Part. 1st Floor Plan Plbg"
 - a. Install new floor drain at location of existing shower columns to be removed, top of floor drain to match existing floor elevation. Floor drain to be similar to "Wade" model 1100STD series, cast iron with nickel bronze top. Coordinate pipe size in field.

MECHANICAL

- 1. Refer to sheet M2 "Demo/New Work Part. 1st & 2nd Floor Plans HVAC"
 - a. In reference to coded note #11 there are approximately 12 supply air diffusers and 6 return air grilles in the 2ND Floor Conference Room.

ELECTRICAL

- 1. Refer to sheet E1 "General Notes and Symbol Legend Elec"
 - a. Lighting fixture schedule has been revised.
- 2. Refer to sheet E2 "Demo/Lighting Part. 1st & 2nd Floor Plans Elec"
 - a. Occupancy sensor(s) have been added.
 - b. New lighting layout displayed for multi-purpose room.
 - c. Exit sign has been removed.
- 3. Refer to sheet E4 "Demo/Pwr/Sys Part. 1st & 2nd Floor Plans Elec"
 - a. Coded note 8 has been revised.
 - b. Visual strobe in restroom shall be ceiling mounted.



If you have any questions regarding the above, please do not hesitate to call.

Issued by Scheeser Buckley Mayfield LLC

Jours Bilinshi

Joseph Bilinski, P.E. Mechanical Engineer

Scheeser Buckley Mayfield LLC

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	MARSHALL	SHEWEY	BUILDING				JOAN C. EDWARDS STADIUM 2001 THIRD AVENUE HI INTINGTON WV		nile or etarch.com vor co co co co co co co co co co co co co	ИСК 11, СК 11, 25 11 Ачет 13 13 14 20 15 15 15 15 15 15 15 15 15 15 15 15 15	Т Б тод т ² год т ² год т 2 год т 2 год т 2 год т 2 Сод	ТБ₩ ГІНС потдайта ро£ о£	р А ряа _{шН}		© 2016 Edward Tucker Architeers Inc	© 2016 Edward Tucker Architects, Inc.			SHEET REVISIONS	# DATE DESCRIPTION		5/11/2021 ADDENDUM #1		15030 R	Martin VIRG COMPANY	SIGNATURE DATE DATE 100% CD'S ISSUED FOR CONSTRUCTION		GENERAL NOTES AND SYMBOL LEGEND - ELEC		ETA PROJECT #: 20210315	DATE: APRIL 23, 2021
ELECTRICAL GENERAL NOTES	 THE GENERAL NOTES LISTED HERE APPLY TO ALL ELECTRICAL DRAWINGS IN ADDITION TO ANY ADDITIONAL DRAWING NOTES ON THE INDIVIDUAL DRAWINGS. ALL FXISTING FLECTRICAL DEVICES WITHIN HATCHED AREAS TO 	WHOSE WIRING IS INTERRUPTED DUE TO WORK IN ADJACENT AREAS.	PROJECT.	4. SEE SPECIFICATIONS FOR GENERAL CUTTING AND PATCHING REQUIREMENTS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION PHASES. REFER TO DRAWINGS FOR MORE SPECIFIC REQUIREMENTS.	5. SEE SPECIFICATIONS FOR SALVAGE RIGHTS TO ANY EQUIPMENT OR MATERIALS BEING REMOVED.	6. REMOVE ALL HANGERS AND SUPPORTS SERVING CONDULT AND WIRE TO BE DEMOLISHED. PROVIDE AND/OR ADJUST EXISTING HANGERS TO SUPPORT ANY REMAINING CONDUIT AND WIRE, OR EQUIPMENT ADJACENT, TO REMAIN.	7. REMOVE ALL EXISTING WIRE FROM CONDUITS TO BE ABANDONED. REFER TO SPECIFICATIONS FOR REQUIREMENTS REGARDING ABANDONED CONDUITS.	6. DARKENED WALLS INDICATE NEW WALL CONSTRUCTION. 9. EC SHALL REMOVE AND REINSTALL ALL CEILING MATERIAL AS REQUIRED FOR ELECTRICAL WORK SHOWN. REPLACE ALL MATERIAL DAMAGED BY THIS CONTRACTOR.	10. SEE CODED NOTES ON INDIVIDUAL DRAWING SHEETS FOR SPECIFIC INSTRUCTIONAL NOTES.	11. FIELD VERIFY EXISTING CONDITIONS. 12. COORDINATE ELECTRICAL WORK WITH ALL CONTRACTORS ON SITE (GENERAL TRADES, PLUMBING, FIRE PROTECTION, HVAC, ETC) PRIOR TO COMMENCEMENT OF DEMOLITION/CONSTRUCTION WORK.	13. THE ELECTRICAL DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EXACT LOCATION OF EQUIPMENT, LIGHTING, AND DEVICES UNLESS DIMENSIONS ARE GIVEN FOR CLEARANCES, ETC. LIGHTING, DEVICES AND ELECTRICAL EQUIPMENT ARE TO BE	BUT KEEPING IN MIND ACTUAL BUILDING CONDITIONS WHICH MUST BE CONFIRMED WITH-IN THE ACTUAL BUILDING CONDITIONS WHICH MUST BE THEIR BIDS, ARE REQUIRED TO INCLUDE ALL LABOR AND MATERIALS AND OTHER RELATED WORK NECESSARY TO PROVIDE MINOR OFFSETS	IN ELECTRICAL INSTALLATION TO AVOID CONFLICT WITH OTHER WORK ON THIS PROJECT, OR AS REQUIRED IN ORDER TO OBTAIN MAXIMUM HEAD ROOM OR EQUIPMENT ACCESS IN SPACES. 14. PHASING - SEE DIVISION 1 PROJECT SPECIFICATION PHASING	DOCUMENTS FOR SPECIFIC PHASING INSTRUCTIONS. COORDINATE SHUT-DOWN OF ANY UTILITY IN ADVANCE WITH THE OWNER. 15. MAINTAIN REQUIRED RIGGING ACCESS CLEARANCES. COORDINATE	CLEARANCE REQUIREMENTS WITH UTTER TRADES. 16. E.C. IS TO COORDINATE ALL MASONRY PENETRATION LOCATIONS AND SIZES WITH G.C.	17. AN ATTEMPT HAS BEEN MADE TO SHOW ALL ELECTRICAL ITEMS TO REMAIN OR BE REMOVED. EC SHALL FIELD VERIFY EXISTING	INTERFERES WITH NEW CONSTRUCTION.	PROVIDE PULL BOXES AT LOCATIONS REQUIRED. IN NO CASE SHALL A FEEDER CONDUIT HAVE BENDS OF MORE THEN 270° WITHOUT THE INSTALLATION OF A PULL BOX. 19. PROVIDE FIRESEALING OF ALL OPENINGS THROUGH FIRE RATED WALLS AND ASSEMBLIES. SEE DETAIL SHEETS AND SPECIFICATIONS	FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 20. EC TO COORDINATE ELECTRICAL AND TELECOMMUNICATIONS DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. IF ELEVATIONS ARE NOT PROVIDED ON DOCUMENTS, EC SHALL COORDINATE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT. DEVICE REQUIRED TO BE RELOCATED DUE TO LACK OF	COORDINATION WILL BE DONE AT THE CONTRACTOR'S EXPENSE.	"⊗" OC1 FOR ADDITIONAL	CAT 5e POWER PACKS (IF POWER PACKS (IF SPACE) IN WORK PACKS (IF SPACE, SEE PLANS	TRAL SENSOR SWITCH CCUPANCY SENSOR 20V			120V SENSORSWITCH: #nPODM-4P-DX FOUR CHANNEL DIMMER SWITCH.		N.T.S. B			
		SYMBOL DESCRIPTION	Image: State of the set		SUBSCRIPT - COMBINATION HORN / STROBE. CLG - CEILING-MOUNTED																"Oci FOR ADDITIONAL CAT 5e	MBOL (JPP) ABOL (JPP) ABOL (JPP) SENSORSWITCH: ABOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) SENSORSWITCH: APOL (JPP) APOL (JPP) SENSORSWITCH: APOL (JPP) APOL (JPP)	PPI6-D POWER CK WTH MVOLT SENSOR SWITCH UT. OCCUPANCY SENSOR NUT. OCCUPANCY SENSOR NCM-PDT-10 YLW/EM 12	HT-RED/EM NEUTRAL W/EM 120V ID/EM 277V U/EM MVOLT		T DIM COMMON SENSORSWITCH: #nPODM - 4P - DX FOUR CHANNEL DIMMER SWITCH. #17 NFU					
ELECTRICAL SYMBOL LEGEND	 RECEPTACLES TO BE MOUNTED AT 18" AFF TO CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FIRE ALARM SPECIFICATIONS FOR DETAILS AND ADDITIONAL INFORMATION. 	SYMBOL DESCRIPTION	HEAVY DUTY 20 AMP, SINGLE POLE SWITCH. DIMMER SWITCH. REFER TO DETAIL FOR MORE INFORMATION.	PP LOW-VOLTAGE SINGLE-RELAY POWERPACK. REFER TO DETAIL FOR MORE INFORMATION.	OC1 LOW-VOLTAGE CEILING MOUNT OCCUPANCY SENSOR. REFER TO DETAIL FOR MORE INFORMATION, (A) LIGHTING CONTROL REFERENCE TAG. REFER TO DETAILS FOR INFORMATION.	C C LED LIGHTING FIXTURES . REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.		EXPOSED BRANCH CIRCUIT HOMERUN. FOR NORMAL BRANCH CIRCUIT WIRING, CONTRACTOR MAY COMBINE UP TO THREE HOMERUNS IN ONE RACEWAY ON A WYE SYSTEM AND TWO HOMERUNS IN ONE RACEWAY ON A DELTA SYSTEM. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTORS UNLESS NOTED OTHERWISE. ALL RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING	CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NEUTRAL CONDUCTOR SHALL NOT BE SHARED BETWEEN CIRCUITS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE. CONCEALED BRANCH CIRCUIT HOMERUN. FOR NORMAL BRANCH CIRCUIT WIRING, CONTRACTOR MAY COMBINE UP TO THREE HOMERUNS IN ONE RACEWAY ON A WYE SYSTEM AND TWO HOMERUNS IN ONE	RACEWAY ON A DELTA SYSTEM. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTORS UNLESS NOTED OTHERWISE. ALL RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NEUTRAL CONDUCTOR SHALL NOT BE SHARED BETWEEN CIRCUITS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE.	 FLEXIBLE METAL CONDUIT OR LIQUIDTIGHT FLEXIBLE METAL CONDUIT (REFER TO SPECIFICATIONS) AND WRING. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTOR UNLESS OTHERWISE NOTED. ALL RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTOR. FX-74. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NUTRAL CONDUCTOR SHALL NOT DALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NUTRAL CONDUCTOR SHALL NOT 	RACEWAY AND CONDUCTORS CONCEALED ABOVE CEILING OR IN WALL AT ELECTRICAL CONTRACTOR'S OPTION. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTOR UNLESS OTHERWISE NOTED. ALL RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTOR.	BE SHARED BETWEEN CIRCUITS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE. RACEWAY AND CONDUCTORS RUN EXPOSED ON CEILINGS OR WALLS. QUANTITY OF MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG MINIMUM SIZE CONDUCTOR UNLESS OTHERWISE NOTED. ALL RACEWAYS TO CONTAIN SFPARATE FOULPMENT GROUNDING CONDUCTOR. ALL BRANCH CIRCUITS SHALL	EMERGENCY POWER SYSTEM CONDUCTOR AND WRING. QUANTITY OF MARKS INDICATE NUMBER OF	CONTRINCTIONS FOR ATTE EQUIPMENT GROUNDING CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. NEUTRAL CONDUCTOR SHALL NOT BE SHARED BETWEEN CIRCUITS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE.		///// QUANTITY OF MARKS INDICATES NUMBER OF CONDUCTORS. ALL BRANCH CIRCUITS SHALL HAVE ////// SEPARATE NEUTRAL CONDUCTOR. NEUTRAL CONDUCTOR SHALL NOT BE SHARED BETWEEN CIRCUITS. ALL /////// RACEWAYS TO CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTORS.	まで All items shown dashed on demolition plans to be removed (unless otherwise noted).				MULIGHT CEILING RECESSED INTEGRAL LED	ANS. ANS. WULGHT 3, BOCRI, CEILING RECESSED INTEGRAL LED R. EC	T, AND CEILING RECESSED INTEGRAL LED	T, AND B AS CEILING RECESSED INTEGRAL LED	SAL SAL T, AND CEILING RECESSED INTEGRAL LED OMPLETE DIMMER SWITCH: DIMMER SWITCH.	LED UNIVERSAL INTEGRAL LED WI		ION. RESS ILLUMINATION. FIXTURE ALSO CONTAINS AN VITAL POWER.		
	NOTES: 1. COORDINATE ALL DEVICE COLORS WITH THE ARCHITECT 2. SWITCHES SHALL BE MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED. 3. SURSCRIPT "P" INDICATES RED DEVICE CONNECTED TO EMERGENCY DOWER	SYMBOL SYMBOL	D HEAVY DULY 20 AMP, 125 VOLI, DUPLEX GROUNDING TYPE RECEPTACLE. HUBBELL #HBL5362 (SPECIFICATION GRADE). D HEAVY DUTY 20 AMP, 125 VOLT, DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE. HUBBELL	GFI #GFRST20 (SPECIFICATION GRADE). TWO HEAVY DUTY 20 AMP, 125 VOLT, DUPLEX GROUNDING TYPE RECEPTACLES. HUBBELL #HBL5362 (SPECIFICATION GRADE). MOUNT IN COMMON BOX WITH COMMON PLATE.	Image: Standard Steel Junction Box with cover. Locate and connect as directed. Image: Image: Image: Standard Steel Junction Box with cover. Locate and connect as directed. Image: Im	PAN. " 208/120V,3¢,4W PANELBOARD. REFER TO PANELBOARD SCHEDULE AND/OR SPECIFICATIONS FOR DETAILS	48U/2//V,50,4W PANELBUARD.	ABBREVIATION LEGEND	SYMBOL DESCRIPTION #" NUMBER INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES	AFF ABOVE FINISHED FLOOR "C" SUBSCRIPT "C" INDICATES DEVICE TO BE MOUNTED 8" ABOVE COUNTERTOP TO CENTERLINE. CLG CFILING	EC ELECTRICAL CONTRACTOR EM EMERGENCY FMT GALVANIZED FLECTRIC METALLIC TURING (THINWALL), UI LISTED	EWC ELECTRIC WATER COOLER. PROVIDE WITH GFI-TYPE RECEPTACLE. LOCATE PER MANUFACTURER'S SHOP GC GENERAL CONTRACTOR	GFI GROUND FAULT INTERRUPTER GRC GALVANIZED, RIGID, HEAVY WALL CONDUIT, UL LISTED MC MECHANICAL CONTRACTOR (1000)	MC MECHANICAL CON IRACIOR (HVAC) NL NIGHT LIGHT PAN PANELBOARD	PC PLUMBING CONTRACTOR PROJ PROJECTOR. MOUNT RECEPTACLE FACEPLATE FLUSH WITH CEILING TILE. DO NOT MOUNT ABOVE CEILING.	"R" SUBSCRIPT "R" INDICATES RED DEVICE CONNECTED TO EMERGENCY POWER.	"X" SUBSCRIPT "X" BY SYMBOL INDICATES EXISTING ITEM TO REMAIN.				LIGHTING FIXTURE SCHEDULE	SYMBOL CATALOG NO. DESCRIPTION EV04SQSH-TUWH- GOTHAM: 13-3/8"x11-7/8"x6-5/8" DEEP LED WET LOCATION USTED SQUARE DC D1 FV04SQSH-TUWH- FIXTURE WITH STEEL CONSTRUCTION, 1199 LUMEN OUTPUT, POLYCARBONATE LENS, D1 PROR/15-DFR-SMO- 3500K COLOR T01 MVOIT	D2 EV04SQSH-TUWH- GOTHAM: 13-3/8"x11-7/8"x6-5/8" DEEP LED MET LOCATION LISTED SQUARE DC D2 PROR/60-DFR-SMO- 3500K COLOR TEMPERATURE. 29.5 WATES. AVOLT. ON-TOV DIMMING DRIVEL	R1 R1 R2 R2 R1 R2 R2 R2 R2 R2 R2 R2 R2 R2 R2	R2 TBSL-MW-2-15-D-U MOUNTING BRACKETS, 445LM/FT, 82CRI, 3500K COLOR TEMPERATURE, 32W, MVOL R2 -W-IP65 (1) 0-10V DIMMING DRIVER, FIXTURE SHALL BE IP65 RATED IN ALL WET LOCATION	R3 TBSL-MW-4-24-A2 -U-W -U-W TBSL-MW-4-24-A2 TBSL-MW-4-24-A2 TBSL-MW-4-24-A2 TBSL-MW-4-24-A2 TBSL-MW-4-24-A2 (1) 0-10V DIMMING DRIVER, 484LM/FT, 82CRL, 3500K COLOR TEMPERATURE, 32W MVOL (1) 0-10V DIMMING DRIVER, ALL ADDITIONAL MOUNTING BRACKETS, HEAD-ENDS, CONNECTORS, ETC TO BE PROVIDED AS GUIDED BY THE MANUFACTURER FOR A C	X1 LRP-1RW- LITHONIA "EDGE-LIT" 13-1/4" X 14-3/4" X 1-3/4" LED SINGLE/DOUBLE FACE E X1 LRP-1RW- AS SHOWN ON FLOOR PLANS. RED LETTERS ON CLEAR PLEXICLASS PANEL, BRUSH AS SHOWN ON FLOOR PLANS. RED LETTERS ON CLEAR PLEXICLASS PANEL, BRUSH x*- 120/277 ALUMINUM HOUSING, AND UNIVERSAL CEILING OR WALL MOUNTING KIT. PROVIDE ANDUNTING KIT. PROVIDE ENGINEER APPROVED EQUIVALENT FIXTURES BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE: ACCEPTABLE:	SYMBOL MANUFACTURER D1,D2 PRESCOLITE, PATHWAY LIGHTING, PORTEOLO R1, R2, R3 AS SPECIFIED X1 SURE-LITE, EMERGI-LITE, COMPASS	LIGHTING FIXTURE NOTES: 1. "NL" SUBSCRIPT INDICATES THAT FIXTURE IS CONNECTED TO AN UNSWITCHED CIRCUIT FOR "NIGHT LIGHT" ILLUMINAT 2. "EM" SUBSCRIPT INDICATES THAT FIXTURE IS CONNECTED TO AN EMERGENCY POWER (LIFE SAFETY) CIRCUIT FOR EG INTEGRAL BATTERY PACK FOR EMERGENCY ILLUMINATION BETWEEN LOSS OF NORMAL POWER AND CONNECTION TO ESSEN		





REFER TO DRAWING E1 FOR ELECTRICAL GENERAL NOTES.

A. REFER TO DRAWING E1 FOR ELECTRICAL GENERAL NOTES.
 B. ELECTRICAL ITEMS SHOWN DASHED AND INDICATED TO BE REMOVED SHALL BE DISCONNECTED AND ALL ASSOCIATED CONDUIT AND WIRING TO BE REMOVED BACK TO SOURCE OR NEXT DEVICES TO REMAIN.

C. REWORK ANY EXISTING BRANCH CIRCUIT THAT IS AFFECTED BY THE DEMOLITION OF ELECTRICAL DEVICES IN ORDER TO MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES TO REMAIN. D. ALL DEVICES TO BE REMOVED SHALL BE GIVEN TO OWNER UNLESS SPECIFIED OTHERWISE.

CODED NOTES

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2. APPROXIMATE LOCATION OF EXISTING NORMAL LIGHTING BRANCH CIRCUIT JUNCTION BOX ABOVE CEILING SPACE. FIELD VERIFY EXACT LOCATION. SPLICE AND EXTEND TO NEW LIGHTING FIXTURE(S) AS SHOWN ON NEW PLANS. REFER TO LIGHTING CONTROL DETAIL FOR MORE INFORMATION. <u>..</u>

3. APPROXIMATE LOCATION OF EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT JUNCTION BOX ABOVE CEILING SPACE. FIELD VERIFY EXACT LOCATION. SPLICE AND EXTEND TO NEW LIGHTING FIXTURE(S) AS SHOWN ON NEW PLANS.

EXISTING ELECTRICAL ROOM. 4.







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REFER TO DRAWING E1 FOR ELECTRICAL GENERAL NOTES.

A. REFER TO DRAWING LI JUNITION AND INDICATED TO BE REMOVED SHALL BE B. ELECTRICAL ITEMS SHOWN DASHED AND INDICATED TO BE REMOVED BACK TO DISCONNECTED AND ALL ASSOCIATED CONDUIT AND WIRING TO BE REMOVED BACK TO SOURCE OR NEXT DEVICES TO REMAIN.

C. REWORK ANY EXISTING BRANCH CIRCUIT THAT IS AFFECTED BY THE DEMOLITION OF ELECTRICAL DEVICES IN ORDER TO MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES TO REMAIN.

D. ALL DEVICES TO BE REMOVED SHALL BE GIVEN TO OWNER UNLESS SPECIFIED OTHERWISE.

E. ALL AV CABLING TO BE FURNISHED AND INSTALLED BY OWNER. EC TO PROVIDE CONDUIT. F. EC TO COORDINATE WITH ARCHITECTURAL DRAWINGS AND OWNER FOR ALL ELECTRICAL DEVICES PRIOR TO FINAL INSTALLATION.

CODED NOTES

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ALL ELECTRICAL DEVICES THIS SPACE TO BE REMOVED EXISTING ELECTRICAL ROOM.

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REFER TO ELECTRONIC URINAL/TOILET WIRING DETAIL FOR MORE INFORMATION. ы. m.

4. CEILING MOUNTED SPEAKER TO BE REMOVED UPON COMPLETION OF NEW CEILING GRID REINSTALLED. RELOCATE EXISTING SPEAKER(S) AS SHOWN ON NEW PLANS.

NEW LOCATION OF EXISTING SPEAKER REMOVED DURING DEMOLITION PHASE. <u>ю</u>.

6. APPROXIMATE LOCATION OF ROOFTOP EXHAUST FAN TO BE REMOVED AND REPLACED WITH NEW. EXISTING FEEDER TO REMAIN AND BE REUSED FOR NEW EXHAUST FAN.

7. NEW EXHAUST FAN (480V,3PH,2HP) TO REPLACE EXISTING. EC TO RECONNECT EXISTING FEEDER TO NEW EXHAUST FAN.

JUNCTION BOX AND 3/4"C TO L4B-SUB FOR FUTURE EQUIPMENT. ω

9. OUTLET FOR TRANSLUCENT WALL SYSTEM TO BE INSTALLED ABOVE GRID CEILING SPACE. CONTRACTOR TO PROVIDE ALL ADDITIONAL ACCESSORIES AND MOUNTING BRACKET NEEDS WITH TRANSLUCENT WALL SYSTEM MANUFACTURER. 10. APPROXIMATE LOCATION OF OUTLET TO BE INSTALLED IN EQUIPMENT ROOM HALFWAY DOWN THE SHARED WALL.

11. EC TO PROVIDE 4"C FROM INSIDE EQUIPMENT ROOM OUT TO ABOVE DROP-CEILING AS AN AV CABLING PATHWAY.

TV OUTLET TO BE MOUNTED 24" BELOW FINISHED CEILING. 12.













(TYP.)

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: 01

R2101645 - Shewey Building Interior Renovations

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specifications, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)



I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any University personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

Authorized Signature

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.