

SECTION 009113 – ADDENDUM ONE

PART 1 - ADDENDA



1.1 PROJECT INFORMATION

- A. Project Name: 21033.01 – South Delta School District ESSER 3
- B. Owner: South Delta School District, 106 Athletic Drive, Rolling Fork, Mississippi 39159.
- C. Architect: Dale | Bailey, an Association, One Jackson Place, Suite 250, 188 East Capitol Street, Jackson, MS 39201.
- D. Architect Project Number: 21033.01
- E. Date of Addendum One: 24 February 2023

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is UNCHANGED by this Addendum.

1.3 GENERAL

- A. Attached are the annotated Pre-Bid Meeting Minutes and Meeting Attendees dated 16 February 2023.
- B. Contractor to review District website for updated calendar.

1.4 GENERAL RESPONSES TO REQUESTS FOR INFORMATION

- A. Question: You have new walls and metal studs and cement board in the job, but I do not see any specs for them.
Answer: Will be issued in addendum.
- B. Question: Need a clarification do all the walls in the restrooms get ceramic tile? The finish schedule says wall cwt.
Answer: Yes, only on wet walls will receive new ceramic wall tiles (cwt).

- C. Question: On sheet A-611 general finish note # 4 calls for (provide sound absorptive wall panels; see interior elevations for sizes and locations) please provide the locations and the sizes because this is not shown on the plans.
- Answer: There are no sound absorptive wall panels on this job.
- D. Question: I have a question? can you tell me what is in the base bid?? you show add alternates 1 – 2 – 3 – 4. on the plans but I see nothing in the plans that say base bid.
- Answer: Base bid is only the gym HVAC. Alternates 1, 2, 3, 4 are the works in the restrooms at both schools as shown in documents.
- E. Question: On Sheet M-3 it shows 2 new mechanical pads for the new a/c units but there is nothing on the structural or architectural showing them to need to be poured. Also, I have found nowhere how thick the concrete is or if there are any grade beams around the edges. please verify.
- Answer: Refer to Sheet M-301 for detail of pad mounted unit and concrete pad.
- F. Question: Also, there is a new fence and gates need to be installed around the big A/C units. If yes, what size.
- Answer: Add fencing around unit. Fencing to have clearance recommended by manufacturer and include 4'-0" wide gate. Height of fence and gate shall be 6'-0".

1.5 REVISIONS TO DIVISION 00 – PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS

- A. DOCUMENT 004113 – BID FORM. Delete this form in its entirety and replace with new. See attached. Deleted Allowance No. 2 and Changed Completion date to read" Partial Substantial Completion for Toilets is August 1, 2023, and Remaining project Substantial Completion is August 1, 2024.
- B. Document A101-2017 STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR, Delete Allowance No. 2 and renumber others accordingly and change Substantial Completion dates to read: Partial Substantial Completion for Toilets is August 1, 2023 and Remaining project Substantial Completion is August 1, 2024. (Not re-issued).

1.6 REVISIONS TO DIVISION 01 – GENERAL REQUIREMENTS

- A. DOCUMENT 012100 – ALLOWANCES. Delete this form in its entirety and replace with new. See attached. Delete Allowance No. 2 shown on original document.

1.7 REVISIONS TO TECHNICAL SPECIFICATIONS

- A. Document 092216 – NON-STRUCTURAL METAL FRAMING (New). See attached.
- B. Document 092900 – GYPSUM BOARD (New). See attached.

1.8 ATTACHMENTS

- A. Annotated Pre-Bid Meeting Minutes and Meeting Attendees dated 16 February 2023.
- B. This Addendum includes the following attached Specifications:
 - 1. Specification 004113 – Bid Form dated 20 February 2023.
 - 2. Specification 012100 – Allowances dated 20 February 2023.
 - 3. Specification 092216 – Non-Structural Metal Framing dated 24 February 2023.
 - 4. Specification 092900 – Gypsum Board dated 24 February 2023.

END OF ADDENDUM ONE

16 February 2023

201 Park Court, Suite B
Ridgeland, MS 39157
P 601.790.9432
F 888.281.0547

One Jackson Place, Suite 250
188 East Capitol Street
Jackson, MS 39201-2100
P 601.352.5411
F 601.352.5362

161 Lameuse Street, Suite 201
Biloxi, MS 39530
P 228.374.1409
F 228.374.1414

21033.01 South Delta School District ESSER 3 / Pre-Bid Meeting

1. General

- a. Please silence cell phones
- b. Sign-in sheet: Minutes will include list of meeting attendees
- c. Plan holders list: Minutes will include list of plan holders
- d. Description: The project scope of work includes two (2) school sites under one contract, funded by ESSER (Elementary and Secondary School Emergency Relief) Federal Funding.

The work will include replacing and upgrading HVAC, replacing and upgrading electrical wiring as necessary, providing new unit pads, removing existing unit pads where necessary, removing, installing new ceilings and toilet renovations as indicated in the construction documents.

- e. Team
- f. Owner....South Delta School District / Rolling Fork, MS / Ms. Erra Kelly, Superintendent
- g. Program ManagerBailey Program Management / Ridgeland, MS / Jason Stewart
- h. Architect..... Dale | Bailey, an Association / Jackson, MS / Russ Blount
- i. Project Manager Dale | Bailey, an Association / Jackson, MS / Luigia Hodge
- j. Mechanical.....GSK Mechanical, Inc / Ridgeland, MS / Jason Kackley
- k. Electrical..... The Power Source / Ridgeland, MS / Chris Green

2. Procurement and Contracting Requirements

- a. Advertisement for Bids
 - i. Advertisement dates: 01/26/23 & 02/02/23
 - ii. Bid Receipt: Bids to be opened at 2:00 PM on Tuesday, February 28, 2023
 - iii. Bid Location: South Delta School District / 106 Athletic Drive / Rolling Fork, MS
- b. Bidder Qualifications
 - i. Bidders must be properly licensed under the laws governing their respective trades
 - ii. List all applicable state & local license & registration nos. on outside of bid envelope
- c. Bonding & Insurance
 - i. Bidders must be able to obtain insurance and bonds required for the Work
- d. Bid Security
 - i. A Bid Security in the amount of 5% of the total maximum bid amount is required
 - ii. Cash, cashier's check, certified check, US money order, or bid bond

- e. Bid Form and Attachments
 - i. Acknowledgement of Addenda
 - ii. Subcontractor identification
 - f. Bid Submittal Requirements
 - i. Envelope requirements (re: Bid Submittal Checklist)
 - ii. Proper identification
 - g. Notice of Award
 - i. Offered within 60 days after receipt of bids
 - ii. Award will be made as soon as possible & successful bidder should be ready to secure bonds & insurance immediately
3. Communication during Bidding Period
- a. Obtaining documents
 - i. Plan holders are required to register and order bid documents at www.dalebaileyplans.com
 - b. Bidder's Requests for Information
 - i. Binding answers to questions must be included in an official written addendum and the Contractor or Subcontractor is encouraged to provide written communications to the Architect for proper response
 - ii. Address e-mailed written correspondence to biddinginfo@dalepartners.com
 - iii. No questions will be accepted after 5:00 PM on Thursday, February 23, 2023 in order to allow the Architect adequate time to prepare any necessary addenda
 - c. Addenda
 - i. Addendum no 1 (tentative)02.20.23
 - ii. Addendum no 2 (if required)≤ 2:00 PM, 02.24.23
4. Contracting Requirements
- a. The Supplementary Conditions
 - i. Refer to this section for specific comments & directives
 - 1. Change order markups
 - 2. Weather delays
 - 3. Retainage
 - 4. Stored material
 - 5. Liquidated damages
 - 6. Insurance
 - b. Other Owner requirements: verify user occupancy during construction
5. Construction Documents
- a. Use of Site
 - i. Complete use of site TBD

- ii. Parking
 - iii. Lay-down area
 - b. Work Restrictions
 - i. Work days **during State Testing**
 - ii. Work times **during State Testing**
 - c. Unit prices, alternates, & allowances
 - i. Unit prices: No alternates currently included in bid package
 - ii. Alternates:
 - 1. Additive Alternate No. 01: All work related to the gang toilets at South Delta High School as indicated on the drawings.
 - 2. Additive Alternate No. 02: All work related to the gang toilets at South Delta High School as indicated on the drawings.
 - 3. Additive Alternate No. 03: All work related to the gang toilets at South Delta Elementary School as indicated on the drawings.
 - 4. Additive Alternate No. 04: All work related to the gang toilets at South Delta High School Locker Room.
 - iii. Allowances:
 - 1. Allowance No. 01: South Delta High School Lump Sum Contingency Allowance Twenty Thousand Dollars (\$20,000.00). Include the Allowance No. 1 in the Base Bid.
 - ~~2. Allowance No. 02: South Delta Elementary School Lump Sum Contingency Allowance Twenty Thousand Dollars (\$20,000.00). Include the Allowance No. 2 in the Base Bid.~~
 - 3. Allowance No. 03: South Delta High School Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 3 in Alternate No.1.
 - 4. Allowance No. 04: South Delta High School Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 4 in Alternate No.2.
 - 5. Allowance No. 05: South Delta Elementary School Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 5 in Alternate No.3.
 - 6. Allowance No. 06: South Delta High School Locker Room Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 6 in Alternate No.4.
 - d. Substitutions following award
 - i. Substitutions will be considered within 30 days of the contract award
 - ii. Burden of proof of "equal" will be on the Contractor or Vendor
6. Federal Requirements: Document 000820
- a. Contractor must take all necessary affirmative steps to assure that minority businesses, women's business enterprises and labor surplus area firms are used when possible.

- b. Contractor must comply with the Davis-Bacon Act as supplemented by Department of Labor regulations.
 - c. Contractor at the execution of a contract, must complete the Independent Contractor Debarment Verification Form. Contractor must not be on the list for debarment.
7. Non-Collusion Affidavit: Document 004105
- a. Form must be complete in its entirety and submit with bid
 - b. Failure to file an affidavit will result in disqualification of bid
8. Schedule
- a. Project Schedule
 - i. Section 013200 in Project Manual
 - ii. GC to provide CPM type schedule, regularly updated
 - b. Contract Time
 - i. **Contract time current defined as Partial Substantial Completed on August 1, 2023 for toilets ONLY, and Final Completion on August 1, 2024 for the remaining scope of project**
 - c. Liquidated Damages
 - i. \$500 each calendar day of the delay after Contract Time
 - d. Other Bidder Questions
9. Post-Meeting Addendum
- a. May be issued, as necessary to document the meeting questions & provide proper responses
10. Other Bidder Questions
- a. Architect will record and distribute meeting minutes to attendees and others known by the Architect's office to have received a complete set of Procurement and Contracting Documents
 - b. Minutes of meeting are issued as Available Information and do not constitute a modification to the Procurement and Contracting Documents
 - c. Modifications to the Procurement and Contracting Documents are issued by written Addendum only
11. Site/facility visit or walkthrough
- a. **Ceramic wall tile to be installed on wet walls only in gym locker rooms**
 - b. **All ceramic wall tile to be installed up to 7'-0" and remaining wall painted to ceiling**
 - c. **All exposed pipe insulation to be replaced with new and painted in toilets**
 - d. **In gym, A/C units and exposed conduits & receptacle to be removed; Infill hole to match adjacent material interior and exterior. Paint entire surface end to end.**
 - e. **Mechanical items to be addressed in addendum**

End

PRE-BID MEETING ATTENDEES

201 Park Court, Suite B
Ridgeland, MS 39157
P 601.790.9432
F 888.281.0547

project 21033.01 South Delta School District ESSER 3

regarding Pre-Bid Meeting
mtg. date 16 February 2023, 10:00 AM

location South Delta School District | 106 Athletic Drive | Rolling Fork, MS 39159

One Jackson Place, Suite 250
188 East Capitol Street
Jackson, MS 39201-2100
P 601.352.5411
F 601.352.5362

161 Lameuse Street, Suite 201
Biloxi, MS 39530
P 228.374.1409
F 228.374.1414

Initial	Name	Business	Phone	Email
<i>EK</i>	Erra Kelly	SDSD	(662) 873-4308	ekelly@sdelta.org
	Gary Bailey	Dale Bailey	(601) 951-1820	gbailey@baileyarch.com
<i>JS</i>	Jason Stewart	Bailey Program Management	(601) 265-0011	jstewart@bailey-pm.com
<i>R</i>	Russ Blount	Dale Bailey	(601) 352-5411	russblount@dalepartners.com
<i>LH</i>	Luigia Hodge	Dale Bailey	(601) 352-5411	luigiahodge@dalepartners.com
	Chris Green	The Power Source	(601) 605-4820	cgreen@thepowersource.us
	Jason Kackley	GSK Mechanical, Inc.	(601) 605-2930	jkackley@gskmech.com

Initial	Name	Business	Phone	Email
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MATT CAMERON FLAGSTAR 601-209-7916 matt@flagstarconstruction.com

AA ALLEN ANDREWS DENT TURNER AC 662-453-7278 allen@dentturnerac.com

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Barbara A. Webster South Delta 662-873-4312 barbarawebster@sdelta.org

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DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

A. Bidder: _____.

B. Project Name: 21033.01 – South Delta School District ESSER 3

C. Project Location:

- 1. Site A : South Delta Elementary School
 - 1) 138 Weathers Avenue, Rolling Fork, MS 39159
- 2. Site B: South Delta High School
 - 1) 303 Parkway Avenue, Rolling Fork, MS 39159

D. Owner: South Delta School District, 106 Athletic Drive, Rolling Fork, MS 39159.

E. Architect: Dale | Bailey Architects, An Association, One Jackson Place, Suite 250, 188 East Capitol Street, Jackson, MS 39201.

F. Architect Project Number: 21033.01

1.2 CERTIFICATIONS AND BASE BID

A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Dale | Bailey, An Association, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

1. Base Bid. _____
Dollars (\$_____) *Davis Bacon Wages are required in Base Bid.*

1.3 **ALTERNATES.** Refer to Section 012300 - Alternates for description of Alternates.

A. Additive Alternate No. 01: All work related to the gang toilets at South Delta High School as indicated on the drawings.

_____ Dollars
(\$_____). ***Davis Bacon Wages is required in this Alternate.***

B. Additive Alternate No. 02: All work related to the gang toilets at South Delta High School as indicated on the drawings.

_____ Dollars
(\$_____). ***Davis Bacon Wages is required in this Alternate.***

- C. Additive Alternate No. 03: All work related to the gang toilets at South Delta Elementary School as indicated on the drawings.

_____ Dollars
 (\$_____). **Davis Bacon Wages is required in this Alternate.**

- D. Additive Alternate No. 04: All work related to the gang toilets at South Delta High School Locker Room.

_____ Dollars
 (\$_____). **Davis Bacon Wages is required in this Alternate.**

1.4 **ALLOWANCES.** Refer to section 012100- ALLOWANCES.

- A. Allowance No. 01: South Delta High School Lump Sum Contingency Allowance Twenty Thousand Dollars (\$20,000.00). Include the Allowance No. 1 in the Base Bid.
- B. Allowance No. 02: South Delta High School Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 2 in Alternate No.1.
- C. Allowance No. 03: South Delta High School Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 3 in Alternate No.2.
- D. Allowance No. 04: South Delta Elementary School Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 4 in Alternate No.3.
- E. Allowance No. 05: South Delta High School Locker Room Lump Sum Contingency Allowance Ten Thousand Dollars (\$10,000.00). Include the Allowance No. 5 in Alternate No.4.

1.5 **BID GUARANTEE**

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 90 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars
 (\$_____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.6 **SUBCONTRACTORS AND SUPPLIERS**

- A. The following companies shall execute subcontracts for the portions of the Work indicated:

PLUMBING CONTRACTOR - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

HVAC CONTRACTOR - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

ELECTRICAL CONTRACTOR - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

(OTHER CONTRACTOR) - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

(OTHER CONTRACTOR) - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

1.7 TIME OF COMPLETION

- A. Successful bidder shall begin the Work on receipt of the Notice to Proceed and shall complete the Work by Partial Substantial Completion for Toilets on August 1, 2023, and Remaining Project Substantial Completion on August 1, 2024.

1.8 ACKNOWLEDGMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
 1. Addendum No. 1, dated _____.
 2. Addendum No. 2, dated _____.
 3. Addendum No. 3, dated _____.
 4. Addendum No. 4, dated _____.

1.9 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.
 1. Bid Form Supplement - Allowances.
 2. Bid Form Supplement - Bid Bond Form (AIA Document A310-2010).

1.10 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Mississippi, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.11 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2023.
- B. Submitted By: _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witnessed By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. Email: _____.
- N. License No.: _____.
- O. Federal ID No.: _____ (Affix Corporate Seal Here).

END OF DOCUMENT 004113

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Contingency allowances.
- C. Related Requirements:
 - 1. Section 0140000 "Quality Requirements" for procedures governing the use of allowances for testing and inspection.

1.2 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.3 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.6 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit.
- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.7 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.
 - 3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 01: Lump Sum Contingency Allowance South Delta High School (Base Bid).
 - 1. Include the Sum of Twenty Thousand Dollars (\$20,000.00) total for Construction Contingency Allowance at South Delta High School.
 - a. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit **and Davis Bacon Wages.**
- B. Allowance No. 02: Lump Sum Contingency Allowance South Delta High School (Alternate No.1).
 - 1. Include the Sum of Ten Thousand Dollars (\$10,000.00) total for Construction Contingency Allowance at South Delta High School.
 - a. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit **and does not include Davis Bacon Wages.**
- C. Allowance No. 03: Lump Sum Contingency Allowance South Delta High School (Alternate No. 2).
 - 1. Include the Sum of Ten Thousand Dollars (\$10,000.00) total for Construction Contingency Allowance at South Delta High School.
 - a. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit **and does not include Davis Bacon Wages.**
- D. Allowance No. 04: Lump Sum Contingency Allowance South Delta Elementary School (Alternate No. 3).
 - 1. Include the Sum of Ten Thousand Dollars (\$10,000.00) total for Construction Contingency Allowance at South Delta Elementary School.
 - a. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit **and does not include Davis Bacon Wages.**
- E. Allowance No. 05: Lump Sum Contingency Allowance South Delta High School Locker Room (Alternate No. 4).

1. Include the Sum of Ten Thousand Dollars (\$10,000.00) total for Construction Contingency Allowance at South Delta High School Locker Room.
 - a. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit **and does not include Davis Bacon Wages.**

END OF SECTION 012100

SECTION 092216 - NON-STRUCTURAL METAL FRAMING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes non-load-bearing steel framing members for the following applications:
 - 1. Interior framing systems (e.g., supports for partition walls, framed soffits, furring, etc.).

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.

PART 2 - PRODUCTS

2.1 NON-LOAD-BEARING STEEL FRAMING, GENERAL

- A. Framing Members, General: Comply with ASTM C 754 for conditions indicated.
 - 1. Steel Sheet Components: Comply with ASTM C 645 requirements for metal, unless otherwise indicated.
 - 2. Protective Coating: ASTM A 653/A 653M, G40.

2.2 SUSPENSION SYSTEM COMPONENTS

- A. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.0625-inch- diameter wire, or double strand of 0.0475-inch- diameter wire.
- B. Hanger Attachments to Concrete:
 - 1. Anchors: Fabricated from corrosion-resistant materials with holes or loops for attaching wire hangers and capable of sustaining, without failure, a load equal to **5** times that imposed by construction as determined by testing according to ASTM E 488 by an independent testing agency.
 - 2. Powder-Actuated Fasteners: Suitable for application indicated, fabricated from corrosion-resistant materials with clips or other devices for attaching hangers of type indicated, and capable of sustaining, without failure, a load equal to **10** times that imposed by construction as determined by testing according to ASTM E 1190 by an independent testing agency.

- C. Wire Hangers: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.162-inch diameter.
- D. Carrying Channels: Cold-rolled, commercial-steel sheet with a base-metal thickness of 0.0538 inch and minimum 1/2-inch- wide flanges.
 - 1. Depth: As indicated on Drawings.
- E. Furring Channels (Furring Members):
 - 1. Cold-Rolled Channels: 0.0538-inch bare-steel thickness, with minimum 1/2-inch- wide flanges, 3/4 inch deep.
 - 2. Steel Studs: ASTM C 645.
 - a. Minimum Base-Metal Thickness: As indicated on Drawings.
 - b. Depth: As indicated on Drawings.
 - 3. Hat-Shaped, Rigid Furring Channels: ASTM C 645, 7/8 inch deep.
 - a. Minimum Base Metal Thickness: As indicated on Drawings.
 - 4. Resilient Furring Channels: 1/2-inch- deep members designed to reduce sound transmission.
 - a. Configuration: Asymmetrical or hat shaped.
- F. Grid Suspension System for Ceilings: ASTM C 645, direct-hung system composed of main beams and cross-furring members that interlock.
 - 1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
 - 2. Products: Subject to compliance with requirements, provide one of the following:
 - a. Armstrong World Industries, Inc.; Drywall Grid Systems.
 - b. Chicago Metallic Corporation.
 - c. USG Corporation; Drywall Suspension System.

2.3 STEEL FRAMING FOR FRAMED ASSEMBLIES

- A. Steel Studs and Runners: ASTM C 645.
 - 1. Minimum Base-Metal Thickness: 0.027 inch.
 - 2. Depth: 4 inches.
- B. Slip-Type Head Joints: Where indicated, provide one of the following:
 - 1. Single Long-Leg Runner System: ASTM C 645 top runner with 2-inch- deep flanges in thickness not less than indicated for studs, installed with studs friction fit into top runner and with continuous bridging located within 12 inches of the top of studs to provide lateral bracing.
- C. Flat Strap and Backing Plate: Steel sheet for blocking and bracing in length and width indicated.

1. Minimum Base-Metal Thickness: 0.0179 inch.
- D. Cold-Rolled Channel Bridging: 0.0538-inch bare-steel thickness, with minimum 1/2-inch- wide flanges.
1. Depth: 1-1/2 inches.
- E. Hat-Shaped, Rigid Furring Channels: ASTM C 645.
1. Minimum Base Metal Thickness: 0.0179 inch.
 2. Depth: 7/8 inch.
- F. Resilient Furring Channels: 1/2-inch- deep, steel sheet members designed to reduce sound transmission.
1. Configuration: Asymmetrical or hat shaped.
- G. Cold-Rolled Furring Channels: 0.0538-inch bare-steel thickness, with minimum 1/2-inch- wide flanges.
1. Depth: 3/4 inch.
 2. Furring Brackets: Adjustable, corrugated-edge type of steel sheet with minimum bare-steel thickness of 0.0312 inch.
 3. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.0625-inch- diameter wire, or double strand of 0.0475-inch- diameter wire.

2.4 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with referenced installation standards.
1. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance.
1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Suspended Assemblies: Coordinate installation of suspension systems with installation of overhead structure to ensure that inserts and other provisions for anchorages to building structure have been installed to receive hangers at spacing required to support the Work and that hangers will develop their full strength.

1. Furnish concrete inserts and other devices indicated to other trades for installation in advance of time needed for coordination and construction.

B. Coordination with Sprayed Fire-Resistive Materials:

1. Before sprayed fire-resistive materials are applied, attach offset anchor plates or ceiling runners (tracks) to surfaces indicated to receive sprayed fire-resistive materials. Where offset anchor plates are required, provide continuous plates fastened to building structure not more than 24 inches o.c.
2. After sprayed fire-resistive materials are applied, remove them only to extent necessary for installation of non-load-bearing steel framing. Do not reduce thickness of fire-resistive materials below that required for fire-resistance ratings indicated. Protect adjacent fire-resistive materials from damage.

3.3 INSTALLATION, GENERAL

- A. Installation Standard: ASTM C 754, except comply with framing sizes and spacing indicated.
- B. Install supplementary framing, and blocking to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.
- C. Install bracing at terminations in assemblies.
- D. Do not bridge building control and expansion joints with non-load-bearing steel framing members. Frame both sides of joints independently.

3.4 INSTALLING SUSPENSION SYSTEMS

- A. Install suspension system components in sizes and spacings indicated on Drawings, but not less than those required by referenced installation standards for assembly types and other assembly components indicated.
- B. Isolate suspension systems from building structure where they abut or are penetrated by building structure to prevent transfer of loading imposed by structural movement.
- C. Suspend hangers from building structure as follows:
 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or suspension system.
 - a. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
 2. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with locations of hangers required to support standard suspension system members, install supplemental suspension members and hangers in the form of trapezes or equivalent devices.
 - a. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced installation standards.

3. Wire Hangers: Secure by looping and wire tying, either directly to structures or to inserts, eye screws, or other devices and fasteners that are secure and appropriate for substrate, and in a manner that will not cause hangers to deteriorate or otherwise fail.
 4. Flat Hangers: Secure to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices and fasteners that are secure and appropriate for structure and hanger, and in a manner that will not cause hangers to deteriorate or otherwise fail.
 5. Do not attach hangers to steel roof deck.
 6. Do not attach hangers to permanent metal forms. Furnish cast-in-place hanger inserts that extend through forms.
 7. Do not attach hangers to rolled-in hanger tabs of composite steel floor deck.
 8. Do not connect or suspend steel framing from ducts, pipes, or conduit.
- D. Fire-Resistance-Rated Assemblies: Wire tie furring channels to supports.
- E. Seismic Bracing: Sway-brace suspension systems with hangers used for support.
- F. Grid Suspension Systems: Attach perimeter wall track or angle where grid suspension systems meet vertical surfaces. Mechanically join main beam and cross-furring members to each other and butt-cut to fit into wall track.
- G. Installation Tolerances: Install suspension systems that are level to within 1/8 inch in 12 feet measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.

3.5 INSTALLING FRAMED ASSEMBLIES

- A. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.
- B. Install studs so flanges within framing system point in same direction.
1. Space studs as follows:
 - a. Single-Layer Application: 16 inches o.c., unless otherwise indicated.
- C. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.
1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
 2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.
 - a. Install two studs at each jamb, unless otherwise indicated.
 - b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch clearance from jamb stud to allow for installation of control joint in finished assembly.
 - c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.

3. Other Framed Openings: Frame openings other than door openings the same as required for door openings, unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.
 4. Fire-Resistance-Rated Partitions: Install framing to comply with fire-resistance-rated assembly indicated and support closures and to make partitions continuous from floor to underside of solid structure.
 - a. Firestop Track: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.
 5. Sound-Rated Partitions: Install framing to comply with sound-rated assembly indicated.
 6. Curved Partitions:
 - a. Bend track to uniform curve and locate straight lengths so they are tangent to arcs.
 - b. Begin and end each arc with a stud, and space intermediate studs equally along arcs. On straight lengths of not less than 2 studs at ends of arcs, place studs 6 inches o.c.
- D. Direct Furring:
1. Screw to wood framing.
 2. Attach to concrete or masonry with stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches o.c.

END OF SECTION 092216

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Interior gypsum board.

- B. Related Sections include the following:

- 1. Division 06 Section "Sheathing" for gypsum sheathing.
 - 2. Division 09 Section "Non-Structural Metal Framing" for non-structural framing and suspension systems that support gypsum board.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.

- B. Samples: For the following products:

- 1. Trim Accessories: Full-size Sample in 12-inch- long length for each trim accessory indicated.

1.4 QUALITY ASSURANCE

- A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing agency.

- B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency.

1.5 STORAGE AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against damage from weather, condensation, direct sunlight, construction traffic, and other causes. Stack panels flat to prevent sagging.

1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.
- B. Do not install interior products until installation areas are enclosed and conditioned.
- C. Do not install panels that are wet, those that are moisture damaged, and those that are mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or blotchy surface contamination and discoloration.

PART 2 - PRODUCTS

2.1 PANELS, GENERAL

- A. Size: Provide in maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

2.2 INTERIOR GYPSUM BOARD

- A. General: Complying with ASTM C 36/C 36M or ASTM C 1396/C 1396M, as applicable to type of gypsum board indicated and whichever is more stringent.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. American Gypsum Co.
 - b. G-P Gypsum.
 - c. National Gypsum Company.
 - d. USG Corporation.
- B. Type X:
 - 1. Thickness: 5/8 inch.
 - 2. Long Edges: Tapered.
- C. Moisture- and Mold-Resistant Type: With moisture- and mold-resistant core and surfaces.
 - 1. Core: 5/8-inch, Type X.
 - 2. Long Edges: Tapered.

2.3 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
 2. Shapes:
 - a. Cornerbead.
 - b. Bullnose bead.
 - c. LC-Bead: J-shaped; exposed long flange receives joint compound.
 - d. L-Bead: L-shaped; exposed long flange receives joint compound.
 - e. U-Bead: J-shaped; exposed short flange does not receive joint compound.
 - f. Expansion (control) joint.
 - g. Curved-Edge Cornerbead: With notched or flexible flanges.

2.4 JOINT TREATMENT MATERIALS

- A. General: Comply with ASTM C 475/C 475M.
- B. Joint Tape:
1. Interior Gypsum Wallboard: Paper.
- C. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
 2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
 3. Fill Coat: For second coat, use setting-type, sandable topping compound.
 4. Finish Coat: For third coat, use setting-type, sandable topping compound.

2.5 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.
- B. Steel Drill Screws: ASTM C 1002, unless otherwise indicated.
1. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 0.112 inch thick.
 2. For fastening cementitious backer units, use screws of type and size recommended by panel manufacturer.
- C. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames and framing, for compliance with requirements and other conditions affecting performance.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 APPLYING AND FINISHING PANELS, GENERAL

- A. Comply with ASTM C 840.
- B. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.
- C. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.
- D. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
- E. Form control and expansion joints with space between edges of adjoining gypsum panels.
- F. Cover both faces of support framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally.
 - 1. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area.
 - 2. Fit gypsum panels around ducts, pipes, and conduits.
 - 3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4- to 3/8-inch- wide joints to install sealant.
- G. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments, except floors. Provide 1/4- to 1/2-inch- wide spaces at these locations, and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.
- H. Attachment to Steel Framing: Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
- I. Wood Framing: Install gypsum panels over wood framing, with floating internal corner construction. Do not attach gypsum panels across the flat grain of wide-dimension lumber, including floor joists and headers. Float gypsum panels over these members, or provide control joints to counteract wood shrinkage.

- J. STC-Rated Assemblies: Seal construction at perimeters, behind control joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations. Comply with ASTM C 919 and with manufacturer's written recommendations for locating edge trim and closing off sound-flanking paths around or through assemblies, including sealing partitions above acoustical ceilings.
- K. Install sound attenuation blankets before installing gypsum panels, unless blankets are readily installed after panels have been installed on one side.

3.3 APPLYING INTERIOR GYPSUM BOARD

- A. Install interior gypsum board in the following locations:
 - 1. Type X: As indicated on Drawings.
 - 2. Moisture- and Mold-Resistant Type: As indicated on Drawings.
- B. Single-Layer Application:
 - 1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing, unless otherwise indicated.
 - 2. On partitions/walls, apply gypsum panels horizontally (perpendicular to framing), unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
 - a. Stagger abutting end joints not less than one framing member in alternate courses of panels.
 - b. At stairwells and other high walls, install panels horizontally, unless otherwise indicated or required by fire-resistance-rated assembly.
 - 3. On Z-furring members, apply gypsum panels vertically (parallel to framing) with no end joints. Locate edge joints over furring members.
 - 4. Fastening Methods: Apply gypsum panels to supports with steel drill screws.
- C. Multilayer Application:
 - 1. On ceilings, apply gypsum board indicated for base layers before applying base layers on walls/partitions; apply face layers in same sequence. Apply base layers at right angles to framing members and offset face-layer joints 1 framing member, 16 inches minimum, from parallel base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly.
 - 2. On partitions/walls, apply gypsum board indicated for base layers and face layers vertically (parallel to framing) with joints of base layers located over stud or furring member and face-layer joints offset at least one stud or furring member with base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly. Stagger joints on opposite sides of partitions.
 - 3. On Z-furring members, apply base layer vertically (parallel to framing) and face layer either vertically (parallel to framing) or horizontally (perpendicular to framing) with vertical joints offset at least one furring member. Locate edge joints of base layer over furring members.
 - 4. Fastening Methods: Fasten base layers and face layers separately to supports with screws.

3.4 INSTALLING TRIM ACCESSORIES

- A. General: For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.
- B. Control Joints: Install control joints according to ASTM C 840 and in specific locations approved by Architect for visual effect.
- C. Interior Trim: Install in the following locations:
 - 1. Cornerbead: Use at outside corners.
 - 2. Bullnose Bead: Use at outside corners.
 - 3. LC-Bead: Use at exposed panel edges.
 - 4. U-Bead: Use at exposed panel edges.

3.5 FINISHING GYPSUM BOARD

- A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.
- B. Prefill open joints and damaged surface areas.
- C. Apply joint tape over gypsum board joints, except those with trim having flanges not intended for tape.
- D. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:
 - 1. Level 1: Ceiling plenum areas, concealed areas, and where indicated.
 - 2. Level 4: At panel surfaces that will be exposed to view, unless otherwise indicated.
 - a. Primer and its application to surfaces are specified in other Division 09 Sections.

3.6 PROTECTION

- A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- B. Remove and replace panels that are wet, moisture damaged, and mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION 092900