



ADDED ITEM

# AGENDA REQUEST FORM

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ITEM No.:  
JJ-7.

MEETING DATE	2018-04-24 10:05 - Regular School Board Meeting
AGENDA ITEM	ITEMS
CATEGORY	JJ. OFFICE OF FACILITIES & CONSTRUCTION
DEPARTMENT	Facilities Construction

<b>Special Order Request</b> <input checked="" type="radio"/> Yes <input type="radio"/> No
<b>Time</b> 2:45 PM
<b>Open Agenda</b> <input checked="" type="radio"/> Yes <input type="radio"/> No

**TITLE:**  
Second GMP Amendment to the Construction Services Agreement - Gilbane Building Company - Stranahan High School - Fort Lauderdale - SMART Program Renovations - Project No. P.001683

**REQUESTED ACTION:**  
Approve Second GMP Amendment to the Construction Services Agreement dated November 1, 2016 with Gilbane Building Company, Stranahan High School, SMART Program Renovations, Project No. P.001683, approve the use of CDI/Subguard, and approve additional funding in the amount of \$13,710,000.

**SUMMARY EXPLANATION AND BACKGROUND:**  
See Exhibit 1 for details.  
This Amendment has been reviewed and approved as to form and legal content by the Office of the General Counsel.

**SCHOOL BOARD GOALS:**  
 Goal 1: High Quality Instruction  Goal 2: Continuous Improvement  Goal 3: Effective Communication

**FINANCIAL IMPACT:**  
The financial impact of approving this Second GMP Amendment is \$24,280,108. This project has been appropriated in the Adopted District Educational Facilities Plan (September 6, 2017). There is an additional impact to the project budget. These funds in the amount of \$13,710,000 will come from the Capital Projects Reserve.

**EXHIBITS: (List)**  
(1) Executive Summary (2) Second GMP Amendment (3) Collaboration Form

**BOARD ACTION:**  
**APPROVED**  
(For Official School Board Records Office Only)

<b>SOURCE OF ADDITIONAL INFORMATION:</b>	
Name: Frank Girardi, Director	Phone: (754) 321-1525
Name: Robert C. Corbin, CBRE I Heery Director	Phone: (754) 321-4850

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**  
Senior Leader & Title

Leo Bobadilla - Chief Facilities Officer

Signature  
Leo Bobadilla Jr  
4/20/2018 1:48:08 PM

Approved In Open Board Meeting On: **APR 24 2018**

By: *Nora Rupert*  
School Board Chair

**EXECUTIVE SUMMARY**

**Second GMP Amendment to Construction Services Agreement  
 Gilbane Building Company  
 Stranahan High School, Fort Lauderdale  
 SMART Program Renovations  
 Project No. P.001683**

**PROJECT OVERVIEW:**

<b>Type of Contract:</b>	<b>Construction Manager at Risk (CMAR)</b>
<b>Construction Manager:</b>	<b>Gilbane Building Company</b>
<b>Notice to Proceed Date:</b>	<b>Pending</b>
<b>Budget:</b>	<b>See Below</b>

**GENERAL OVERVIEW:**

The Guaranteed Maximum Price (GMP) Amendment associated with Single Point of Entry improvements was approved by the Board on July 25, 2017 (Agenda Item JJ-3) in the amount of \$420,143. The Single Point of Entry improvements are in construction and nearing completion. The purpose of the Second GMP Amendment is to establish \$24,280,108 as the GMP for the remaining SMART Program improvements. The Project costs are guaranteed by the Construction Manager not to exceed the combined sum of GMP Amendment and Second GMP Amendment equaling \$24,700,251.

The scope of work for the Second GMP Amendment includes replacement of non-ADA compliant concrete ramps and installation of aluminum canopies, fire sprinklers, fire alarm, roof and loggias replacement, STEM lab improvements, media center improvements, HVAC improvements, and electrical improvements.

Pursuant to the process for securing bids in order to determine the Second GMP Amendment amount, bids were received and opened on March 9, 2018. The Second GMP Amendment as submitted by Gilbane Building Company, in accordance with Article 6 of the CMAR agreement, has been received and is recommended for acceptance and approval in the amount of \$24,280,108.

Included in the Second GMP Amendment are agreed upon Allowances that total \$2,465,586 and a Construction Contingency of \$1,041,248 which are customary under the CMAR delivery model and allowed by the Construction Contract Agreement. The purpose of the Allowances is to account for work items that are identified but not quantifiable at the time of the GMP submission. Procedures and expenditures related to the use of any Contingency and any Allowances included in the Second GMP Amendment shall comply with the CMAR Agreement Section 6.1.1 and Specification Section 01295 Contract Modification Procedures. Gilbane Building Company must request and receive prior written approval by the Owner, through an Allowance Expenditure Proposal (“AEP”), to use funds contained in each Allowance prior to expenditure of funds. The use of any Allowance is subject to unanimous approval of the AEP by the Chief Facilities Officer, Director of Construction, Owner’s Representative, and Project Cost Consultant, prior to disbursement to Gilbane Building Company.

In this Second GMP Amendment, Gilbane seeks Owner-approval of the use of CDI/Subguard for all trade contractors in lieu of subcontractor Payment and Performance Bonds. The cost of CDI/Subguard, if such use is approved, shall be considered part of the Cost of the Work. The cost for the CDI/Subguard is \$205,725.

The Second GMP Amendment also includes \$45,472 as part of the General Conditions for the additional Pre-Construction Services Gilbane has incurred. These additional services are associated with the extended project design duration.

The Second GMP Amendment submitted by Gilbane Building Company exceeds the available funds and requires additional funding to proceed with the SMART Program Renovations. In order to authorize the award of this Second GMP Amendment, CBRE | Heery recommends the Board approve additional funding in the amount of \$13,710,000.

The subject of anticipated budget overages with the SMART Program has been previously briefed to the Board by Atkins through communications titled SMART Program Risk Assessment and Construction Market Conditions. The overall average of the SMART Program overage has been communicated to the Board to be an average of 25%. Discussions have also included that the anticipated overage for the projects at Blanche Ely High School, Northeast High School and Stranahan High School would exceed these averages. This overage was captured in the Atkins Risk Assessment Model that was previously communicated to the Board. As a result, the Board previously set aside \$219.7M for Program Reserves to address these anticipated overages.

Analysis of the budget overage for Stranahan High School has been conducted by Atkins and CBRE | Heery. The following scopes are primarily resulting in this overage, roof and loggia replacements, HVAC improvements, fire alarm and electrical improvements. The overage of the re-roofing is roughly \$7M, the overage of the fire alarm and electrical improvements is roughly \$2M, the overage of the HVAC improvements is roughly \$1M, and the overage of the fire sprinklers is roughly \$1M.

The revised overall project budget for the Second GMP Amendment for the SMART Program Renovations at Stranahan High School is \$14,901,434 [\$16,847,000 (Original Total Project Budget) - \$121,000 (Weight Room Renovation) - \$420,143 (Single Point of Entry GMP Amendment) - \$204,423 (Pool related SMART Scope) - \$1,200,000 (Cafeteria/Kitchen related SMART Scope)]. Of this amount, the Second pre-GMP Amendment budget is \$11,202,958 and the Second pre-GMP Owner construction contingency is \$581,155 (5% of construction budget). The balance of the budget is for costs such as design fees, program management fees, and other soft costs.

The Second GMP Amendment that was received from Gilbane Building Company was for \$24,280,108. This proposal is \$13,077,150 over the Second pre-GMP Amendment budget [\$24,280,108 (Second GMP Amendment amount) - \$11,202,958 (Second pre-GMP Amendment budget)]. In addition, in order to maintain a 5% Owner construction contingency for the project, the contingency needs to be increased by \$632,850 [\$1,214,005 (5% value of Second GMP Amendment) - \$581,155 (Second pre-GMP Owner construction contingency)].

The total requested increase to the overall project budget for the SMART Program Renovations is therefore \$13,710,000 (\$13,077,150 + \$632,850).

This Amendment has been reviewed and approved as to form and legal content by the Office of the General Counsel.

For the latest Bond Oversight Committee Quarterly Report information regarding this project [click here](#).

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GMP#2 AMENDMENT

# Stranahan High School SMART Project Project Number P.001683

The School Board of Broward County  
Fort Lauderdale, FL

April 14, 2018



**EXHIBIT A2**  
**TO CONSTRUCTION MANAGER AT RISK AGREEMENT**

**GMP #2 AMENDMENT**

THIS **GMP #2 Amendment**, made and entered into as of this 24th day of April 2018, (GMP #2 Amendment") amends that certain Agreement between Owner, The School Board of Broward County, Florida and Construction Manager, Gilbane Building Company, made as of the 1st day of November 2016 for the following described project: Stranahan Senior High School SMART Project, (the "**Project**").

WHEREAS, the Owner and the Construction Manager have agreed to amend the Agreement in the manner set forth herein.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, in the Agreement and the other Contract Documents and for such other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Owner and the Construction Manager do hereby agree as follows:

1. This **GMP #2 Amendment** is executed in connection with, and is deemed to be a part of the Agreement and the Contract Documents. Wherever the terms of this GMP #2 Amendment and the terms of the Contract Documents are in conflict, the terms of this GMP #2 Amendment shall govern and control. The terms used herein, unless otherwise defined in this GMP #2 Amendment, shall have the meanings ascribed to them in the Contract Documents.
2. The following are hereby incorporated into the Contract Documents and made part thereof:
  - a. The drawings listed on **Attachment I** attached hereto, which drawings are made a part of the Contract Documents by this reference (the "Drawings"); and
  - b. The specifications listed on **Attachment II** attached hereto, which specifications are made a part of the Contract Documents by this reference (the "Specifications").
  - c. Those documents listed on **Attachment III**, Additional Contract Documents, attached hereto, are made a part of the Contract Documents by this reference.
3. The entire Scope of the Work for the Project is hereby incorporated into the work.
  - .1 The **Date of Commencement** for the Project shall be: April 25, 2018.  
The Construction Manager shall achieve Substantial Completion of the entire Work not later than 868 calendar days from the Date of Commencement (the "Contract Time") and Final Completion not later than 90 calendar days from the Date of Substantial Completion. Failure to meet either the Substantial Completion or Final Completion dates shall be a material breach of the Agreement.

.1 The Owner and the Construction Manager acknowledge and agree that the

Owner will suffer damages if the Construction Manager fails to achieve Substantial Completion of the entire Work, as defined in the Contract Documents, on or before the expiration of the Contract Time, which damages are difficult, if not impossible, to ascertain with any degree of certainty. Accordingly, if the Construction Manager fails to achieve Substantial Completion of the Work for this Project on or before the expiration of the Contract Time, liquidated damages (which are not intended as a penalty) shall be assessed against the Construction Manager in an amount of one thousand dollars (\$1,000.00) per calendar day.

- .2 To the extent that the Contract Documents include specific provisions for liquidated damages to be applied separately for any Phase, Building or other portion of the Work prior to the required completion date or within the Contract Time for the entire Project, such liquidated damages shall be assessed based on the required completion dates and construction time durations set forth in the approved schedule for each such separate portion of the Work.
- .3 The Guaranteed Maximum Price for GMP #1 Amendment (for the SPE Project) is Four hundred twenty one hundred forty three dollars and Zero Cents (\$420,143.00). **The Guaranteed Maximum Price for GMP #2 Amendment for the Stranahan High School SMART Project is Twenty four million two hundred eighty thousand one hundred eight Dollars and Zero Cents (\$24,280,108.00)** The Project is hereby guaranteed by the Construction Manager not to exceed the combined sum of GMP #1 Amendment and GMP #2 Amendment equaling Twenty four million seven hundred thousand two hundred fifty one Dollars with Zero Cents (\$24,700,251.00) (the "Project GMP"), based upon the entire Scope of Work for the Project as described in the Contract Documents, including, but not limited to, the Drawings and the Specifications, subject only to additions and deductions by Change Order or Construction Change Directive, as provided in the Contract Documents. The Project GMP is more particularly itemized in the Schedule of Values prepared in accordance with the terms of the Agreement, which Schedule of Values is attached hereto and made a part of the Contract Documents by this reference. Included in the Schedule of Values and specifically identified herein, the contingency included in this guaranteed maximum price is the amount of One million forty one thousand two hundred forty eight Dollars and Zero Cents (\$1,041,248.00).
- .4 Whether or not the Construction or Contract Documents enumerated in the Attachments to this GMP #2 Amendment have actually been completed to the level of 100% as defined by this Agreement, the Guaranteed Maximum Price includes all Work reasonably inferable from such Construction and Contract Documents, the documents referenced in section paragraph 1.4 of the Construction Manager At-Risk Agreement and all responses issued by the Design Consultant to CM's bidding inquiries and requests for information, as necessary to deliver a fully completed

and finished working Project. To the extent there exists a conflict between the Construction and Contract Documents and any of the other aforementioned referenced documents, the item of higher price, quantity or quality shall be included in the Guaranteed Maximum Price, without use of any Contingency.

- .5 Procedures and expenditures related to use of any Contingency and any Allowances included in this PROJECT GMP shall comply with CMAR Agreement Section 6.1.1, Specification Section 01250 respectively, and all provisions of such documents are incorporated into and made a part of this Contract.
- .6 Procedures and expenditures related to direct purchases of materials by the Owner for this Project shall comply with Specification Section 01295, and all provisions of such documents are incorporated into and made a part of this Contract.
- .7 The Construction Manager shall provide Commercial General Liability Insurance, Automobile Liability Insurance, Professional Liability Insurance and Worker's Compensation Insurance in compliance with the provisions of Article 9 of the CMAR Agreement and Article 29 of the General Conditions of the Contract for Construction, satisfactory to the Owner's Office of Risk Management.
- .8 By executing this GMP #2 Amendment, the Construction Manager acknowledges that it has ascertained all correct locations for points of connection for all utilities, if any, required for this Project; and has identified all clarifications and qualifications for this Project, if any.
- .9 The Construction Manager's on-site management and supervisory personnel for this Project are set forth on **Attachment IV**, attached hereto and made a part hereof by this reference.
- .10 To the extent that the Owner has authorized the Construction Manager, in writing, to perform a portion of the Work for this Project; with the Construction Manager's own forces, the salary and wage schedule for the Construction Manager's personnel performing such portion of the Work, agreed upon by the Owner and the Construction Manager, shall be as set forth on **Attachment IV**, attached hereto and made a part of the Contract Documents by this reference. The Construction Manager warrants and represents that the salary and wage schedule includes the lowest comparable market rates (including any and all benefits, contributions and insurance) charged by the Construction Manager for comparable contracts to other businesses and individuals for similar services, and that such rates are not higher than the standard paid at the place of this Project.
- .11 The Construction Schedule for this Project is set forth on **Attachment V**, attached hereto and made a part hereof by this reference. The final accepted schedule for construction as required in the Construction Manager At-Risk Agreement and included in this GMP #2 Amendment shall not be construed as the Detailed Initial or Baseline Schedule as set forth in the General Conditions of the Contract for Construction which schedule shall be prepared by the CM and separately submitted for review and approval after approval of the GMP #2 Amendment by the Owner, as set forth in the General Conditions of the

Contract for Construction.

- .12 Except as expressly provided herein above, all of the terms, conditions, covenants, agreements and understandings contained in the Contract Documents shall remain unchanged and in full force and effect, and the same are hereby expressly ratified and confirmed by the Owner and the Construction Manager.
- .13 This Amendment may be executed in several counterparts, each of which shall be deemed an original but not all of which shall constitute one and the same instrument.
- .14 Delete all text in Article 3.4.1 of CMAR Agreement and replace with "Not Used".
- .15 Revise Article 3.4.3 of CMAR Agreement as follows:  
  
3.4.3 Upon receipt of 100% Construction Documents from the Project Consultant, Owner approval of the latest Statement of Probable Construction Cost, and Owner approval to bid, the Construction Manager shall prepare and issue the bid packages to cover the scope of the Work for this contract.
- .16 Add Article 6.1.4 to the CMAR Agreement as follows:  
  
6.1.4 In addition to the Cost of Work and construction contingency, the GMP may include one or more allowance to be used for work items that are identified, but not quantifiable at the time of GMP submission. The Construction Manager must request and receive prior written approval by the Owner, through an Allowance Expenditure Proposal ("AEP"), to use funds contained in each allowance prior to expenditure of funds. The use of any allowance is subject to the unanimous approval of the AEP by the Chief Facilities Officer, Director of Construction, Owner's Representative, and Project Cost Consultant, prior to disbursement to Construction Manager.

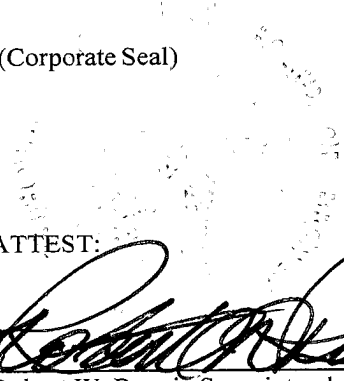



IN WITNESS, WHEREOF, the parties have affixed their signatures, effective on the date first written above.

(Corporate Seal)

THE SCHOOL BOARD OF  
BROWARD COUNTY, FLORIDA

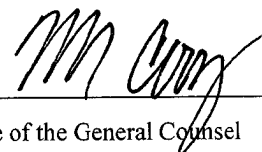
ATTEST:



  
Robert W. Runcie Superintendent of Schools

by:   
Nora Rupert, Chair

Approved as to Form and Legal Content:

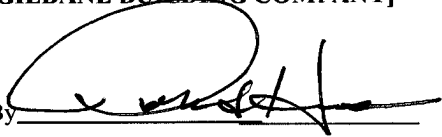
  
Office of the General Counsel



FOR CONSTRUCTION MANAGER,

ATTEST:

[GILBANE BUILDING COMPANY]

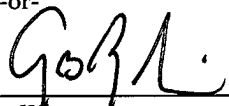
By 

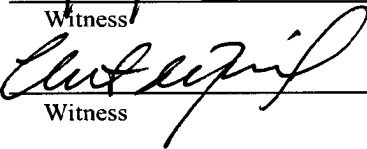
Printed Name: Robert S. Hayes

Title: Sr. Vice President

\_\_\_\_\_, Secretary

-or-

  
Witness

  
Witness

ATTACHMENT I-CONTRACT DOCUMENTS-THE DRAWINGS

**Stranahan High School SMART Project – GMP #2 Amendment  
 Gilbane Job No. J07471.200  
 4.11.2018**

**100% CDs Submittal for Permit Drawing Log**

<b>DRAWING</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
A0.00	COVER SHEET	1/16/2018
<b>A0.01</b>	<b>INDEX OF DRAWINGS</b>	<b>2/27/18 RFI 23</b>
SURV-1	SPECIFIC PURPOSE SURVEY	1/16/2018
SURV-2	SPECIFIC PURPOSE SURVEY	1/16/2018
C.1	CIVIL FIRE LINE PLAN BLDG 1/ 2/ 9	1/16/2018
DA3.01	DEMOLITION PLAN – BLDG 1	1/16/2018
DA3.07	DEMOLITION ROOF PLAN- BLDG 1/ 2/ 3	1/16/2018
DA3.08	DEMOLITION ROOF PHOTOS- BLDG 1/ 2/ 3	1/16/2018
DA3.09	DEMOLITION ROOF PHOTOS- BLDG 4/ 5/ 6/7	1/16/2018
DA3.10	DEMOLITION ROOF PHOTOS- BLDG 8/ 9/ 12/13/ 14	1/16/2018
DA3.16	DEMOLITION ROOF PLANS- BLDG 13/ 14/ 15	1/16/2018
DA3.17	DEMOLITION ROOF PLAN- BLDG 20	1/16/2018
DA3.18	DEMOLITION ROOF PHOTOS- BLDG 11/14/15/17/18/20	1/16/2018
DA3.19	DEMOLITION ROOF PHOTOS- BLDG 18/ 21/ 22	1/16/2018
A1.01	SITE PLAN	1/16/2018
A1.02	ALUMINUM WALKWAYS	1/16/2018
A1.03	EXTERIOR ADA RAMPS	1/16/2018
A3.01	FLOOR PLAN- BLDG 1/ 2/ 3	1/16/2018
A3.02	FLOOR PLANS- BLDG 5/ 6/ 18	1/16/2018
A3.03	FLOOR PLANS- BLDG 4/ 8/ 9/ 17/ 21	1/16/2018
A3.04	FLOOR PLANS- BLDG 10/ 12/ 13/ 14/ 15	1/16/2018
A3.05	FLOOR PLANS- BLDG 20/23	1/16/2018
A3.06	FLOOR PLANS- BLDG 7/ 22/ 26	1/16/2018
A3.07	PROPOSED ROOF PLANS- BLDG 1/ 2/ 3	1/16/2018
A3.08	DEMOLITION & PROPOSED ROOF PLANS- BLDG 5	1/16/2018
A3.09	DEMOLITION & PROPOSED ROOF PLANS- BLDG 6	1/16/2018
A3.10	DEMOLITION & PROPOSED ROOF PLANS- BLDG 4	1/16/2018
A3.11	DEMOLITION & PROPOSED ROOF PLANS- BLDG 8/ 9	1/16/2018
A3.12	DEMOLITION & PROPOSED ROOF PLANS- BLDG 7	1/16/2018
A3.13	DEMOLITION & PROPOSED ROOF PLANS- BLDG 12	1/16/2018
A3.14	DEMOLITION & PROPOSED ROOF PLANS- BLDG 10/ 11	1/16/2018
A3.15	DEMOLITION & PROPOSED ROOF PLANS- BLDG 17/ 18/ 21/ 22	1/16/2018
A3.16	PROPOSED ROOF PLANS BLDG 13/ 14/ 15/ 16	1/16/2018
A3.17	PROPOSED ROOF PLAN- BLDG 20	1/16/2018
A4.01	ELEVATIONS- BLDG 5/ 6/ 7	1/16/2018
A4.02	ELEVATIONS- BLDG 1	1/16/2018
A7.01	REQUIRED- PLUMBING FIXTURE PER OCCUPANCY	1/16/2018
A7.02	RESTROOM PLANS- BLDG 5	1/16/2018
A7.03	RESTROOM PLANS- BLDG 5	1/16/2018

ATTACHMENT I-CONTRACT DOCUMENTS-THE DRAWINGS

<b>DRAWING</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
A7.04	RESTROOM PLANS- BLDG 6	1/16/2018
A7.05	RESTROOM PLANS- BLDG 6	1/16/2018
A7.06	RESTROOM PLANS- BLDG 7	1/16/2018
A7.07	RESTROOM PLANS- BLDG 7	1/16/2018
A7.08	RESTROOM PLANS- BLDG 9/ 17	1/16/2018
A7.09	MECHANICAL ROOMS INTERIOR PLANS & DETAILS- BLDG 1/ 9/ 12/27/28/ 29	1/16/2018
A7.19	ACCESSORY MOUNTING HEIGHT & DETAILS	1/16/2018
A8.01	ROOF DETAILS TYPICAL	1/16/2018
A8.02	ROOF DETAILS TYPICAL	1/16/2018
A8.03	ROOF DETAILS TYPICAL	1/16/2018
A8.04	TYPICAL DETAILS	1/16/2018
A9.01	DOOR SCHEDULE AND DETAILS	1/16/2018
A9.02	PARTITION TYPES	1/16/2018
A9.02A	UL FIRE PENETRATIONS	1/16/2018
A9.03	WINDOW SCHEDULE AND DETAILS	1/16/2018
S1.00	COOLING TOWER AREA & TYPICAL DETAILS	1/16/2018
S1.01	ROOF PLAN- BUILDING 1	1/16/2018
S1.02	ROOF PLAN- BUILDING 2	1/16/2018
S1.03	ROOF PLAN- BUILDING 3	1/16/2018
S1.04	ROOF PLAN- BUILDING 5	1/16/2018
S1.05	ROOF PLAN- BUILDING 6	1/16/2018
S1.06	ROOF PLAN- BUILDING 4	1/16/2018
S1.07	ROOF PLAN- BUILDING 8 & 9	1/16/2018
S1.08	ROOF PLAN- BUILDING 7	1/16/2018
S1.09	ROOF PLAN- BUILDING 12	1/16/2018
S1.10	ROOF PLAN- BUILDING 10 & 11	1/16/2018
S1.11	ROOF PLAN- 17, 18, 21 & 22	1/16/2018
S1.12	ROOF PLAN- 13, 14, 15 & 16	1/16/2018
S1.13	ROOF PLAN- BUILDING 20	1/16/2018
S-7.0	TYPICAL DETAILS	1/16/2018
S-7.1	TYPICAL DETAILS	1/16/2018
S-8.0	GENERAL CONSTRUCTION NOTES	1/16/2018
P1.01	LEGEND & GENERAL NOTES	1/16/2018
DP3.01	FIRST & SECOND FLOOR PLAN BUILDING 1- PLUMBING DEMOLITION	1/16/2018
DP3.02	FIRST FLOOR & ROOF PLANS BUILDINGS 2 & 3- PLUMBING DEMOLITION	1/16/2018
DP3.03	FIRST FLOOR PLANS BUILDINGS 4 & 5 PLUMBING DEMOLITION	1/16/2018
DP3.04	FIRST FLOOR PLANS BUILDING 6 & 7- PLUMBING DEMOLITION	1/16/2018
DP3.05	FIRST FLOOR & ROOF PLANS BUILDINGS 9/ 10/ 12- PLUMBING DEMOLITION	1/16/2018
DP3.06	FIRST FLOOR PLANS BUILDING 13/ 14/ 15/ 17/ 21- PLUMBING DEMOLITION	1/16/2018

ATTACHMENT I-CONTRACT DOCUMENTS-THE DRAWINGS

<b>DRAWING</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
DP4.01	ENLARGED MECHANICAL ROOM PLANS- PLUMBING DEMOLITION	1/16/2018
DP4.02	ENLARGED MECHANICAL ROOM PLANS- PLUMBING DEMOLITION	1/16/2018
DP4.03	ENLARGED MECHANICAL ROOM PLANS- PLUMBING DEMOLITION	1/16/2018
DP4.04	ENLARGED MECHANICAL ROOM PLANS- PLUMBING DEMOLITION	1/16/2018
DP4.05	RESTROOM DEMOLITION ENLARGED PLANS- PLUMBING	1/16/2018
DP4.06	RESTROOM DEMOLITION ENLARGED PLANS- PLUMBING	1/16/2018
P3.01	FIRST & SECOND FLOOR PLAN BUILDING 1- PLUMBING	1/16/2018
P3.02	FIRST FLOOR & ROOF PLANS BUILDINGS 2 & 3- PLUMBING	1/16/2018
P3.03	FIRST FLOOR & ROOF PLANS BUILDING 4- PLUMBING	1/16/2018
P3.04	FIRST FLOOR & ROOF PLANS BUILDING 5- PLUMBING	1/16/2018
P3.05	FIRST FLOOR & ROOF PLANS BUILDING 6- PLUMBING	1/16/2018
P3.06	FIRST FLOOR & ROOF PLANS BUILDING 7- PLUMBING	1/16/2018
P3.07	FIRST FLOOR & ROOF PLANS BUILDING 9 & 10- PLUMBING	1/16/2018
P3.08	FIRST FLOOR & ROOF PLANS BUILDING 12- PLUMBING	1/16/2018
P3.09	FLOOR & ROOF PLAN BUILDINGS 13/ 14/ 15/ 16/ 17/ 21- PLUMBING	1/16/2018
P3.10	ROOF PLAN BUILDINGS 13/ 14/ 20	1/16/2018
P4.01	ENLARGED MECHANICAL ROOM PLANS- PLUMBING	1/16/2018
P4.02	ENLARGED MECHANICAL ROOM PLANS- PLUMBING	1/16/2018
P4.03	ENLARGED MECHANICAL ROOM PLANS- PLUMBING	1/16/2018
P4.04	ENLARGED MECHANICAL ROOM PLANS- PLUMBING	1/16/2018
P4.05	RESTROOM ENLARGED PLANS- PLUMBING	1/16/2018
P4.06	RESTROOM ENLARGED PLANS- PLUMBING	1/16/2018
P6.01	SCHEDULE & DETAILS	1/16/2018
FP1.01	FIRE PROTECTION SITE PLAN	1/16/2018
FP3.01	BUILDINGS 1 & 2- FIRST FLOOR FIRE PROTECTION PLAN	1/16/2018
FP3.02	BUILDING 1- SECOND FLOOR FIRE PROTECTION PLAN	1/16/2018
FP3.03	BUILDING 9- FIRE PROTECTION PLAN	1/16/2018
FP4.01	FIRE PROTECTION NOTES & DETAILS	1/16/2018
M1.01	LEGEND AND GENERAL NOTES	1/16/2018
M1.02	SCOPE OF WORK	1/16/2018
DM3.01	FIRST AND SECOND FLOOR PLAN BLDG 1- HVAC DEMOLITION	1/16/2018
DM3.02	FIRST FLOOR AND ROOF PLAN BLDGS 2 & 3- HVAC DEMOLITION	1/16/2018
DM3.03	FIRST FLOOR AND ROOF PLAN BLDG 4- HVAC DEMOLITION	1/16/2018
DM3.04	FIRST FLOOR PLAN BLDG 5 & 6- HVAC DEMOLITION	1/16/2018
DM3.05	FIRST FLOOR PLAN BLDGS 7 THRU 10- HVAC DEMOLITION	1/16/2018

ATTACHMENT I-CONTRACT DOCUMENTS-THE DRAWINGS

<b>DRAWING</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
DM3.06	FIRST FLOOR AND ROOF PLAN BLDGS 12 & 17- HVAC DEMOLITION	1/16/2018
DM3.07	FIRST FLOOR AND ROOF PLAN BLDGS 13/ 14/ 15/ 18/ 21- HVAC DEMOLITION	1/16/2018
DM3.08	ROOF PLAN BLDGS 13/ 14/ 20- HVAC DEMOLITION	1/16/2018
DM3.09	ROOF PLAN BLDG 18- HVAC DEMOLITION	1/16/2018
DM4.00	OVERALL PLANS- DEMOLITION	1/16/2018
DM4.01	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.02	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.03	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.04	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.05	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.06	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.07	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
DM4.08	ENLARGED MECHANICAL ROOM PLANS- DEMOLITION	1/16/2018
M2.01	PARTIAL 1 <sup>ST</sup> & 2 <sup>ND</sup> FLOOR CHILLED WATER SYSTEM PLANS	1/16/2018
M2.02	PARTIAL ROOF CHILLED WATER SYSTEM PLAN	1/16/2018
M3.01	FIRST AND SECOND FLOOR PLAN BLDG 1	1/16/2018
M3.02	FIRST FLOOR AND ROOF PLAN PLAN BLDGS 2 & 3	1/16/2018
M3.03	FIRST FLOOR AND ROOF PLAN BLDG 4	1/16/2018
M3.04	FIRST FLOOR PLAN BLDGS 5 & 6	1/16/2018
M3.05	FIRST FLOOR AND ROOF PLAN BLDGS 7 THRU 10	1/16/2018
M3.06	FIRST FLOOR AND ROOF PLAN BLDGS 12 & 17	1/16/2018
M3.07	FIRST FLOOR AND ROOF PLAN BLDGS 13/ 14/ 15/ 18/ 21	1/16/2018
M3.08	ROOF PLAN BLDGS 13/ 14/ 20	1/16/2018
M3.09	ROOF PLAN BLDG 18- HVAC	1/16/2018
M4.01	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.02	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.03	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.04	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.05	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.06	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.07	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.08	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M4.09	ENLARGED MECHANICAL ROOM PLANS	1/16/2018
M7.01	SCHEDULES	1/16/2018
M7.02	SCHEDULES	1/16/2018
M7.03	SCHEULES	1/16/2018
M8.01	DETAILS	1/16/2018
M8.02	DETAILS	1/16/2018
M9.01	CONTROLS	1/16/2018
M9.02	CONTROLS	1/16/2018
M9.03	CONTROLS	1/16/2018
E1.01	LEGEND AND GENERAL NOTES	1/16/2018
DE5.01	FIRE ALARM DEMOLITION BLDG 1/ 2/ 3	1/16/2018

ATTACHMENT I-CONTRACT DOCUMENTS-THE DRAWINGS

<b>DRAWING</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
DE5.02	FIRE ALARM DEMOLITION BLDG 5/ 6/ 16/ 18	1/16/2018
DE5.03	FIRE ALARM DEMOLITION BLDG 4/ 8/ 9/ 17/ 21	1/16/2018
DE5.04	FIRE ALARM DEMOLITION BLDG 10/ 11/ 12/ 13/ 14/ 15	1/16/2018
DE5.05	FIRE ALARM DEMOLITION BLDG 20/ 23	1/16/2018
DE5.06	FIRE ALARM DEMOLITION BLDG 7/ 22/ 24/ 25/ 26	1/16/2018
DE7.01	DEMOLITION ELECTRICAL RISER DIAGRAM	1/16/2018
E2.01	FLOOR PLAN PANEL LOCATION	1/16/2018
E2.02	PHOTOGRAPHS	1/16/2018
E3.01	BLDG 5 RESTROOM ENLARGED ELECTRICAL LAYOUT	1/16/2018
E3.02	BLDG 6 RESTROOM ENLARGED ELECTRICAL LAYOUT	1/16/2018
E3.03	BLDG 7 RESTROOM ENLARGED ELECTRICAL LAYOUT	1/16/2018
E3.04	BLDG 9 & 17 RESTROOM ENLARGED ELECTRICAL LAYOUT	1/16/2018
E4.01	FIRST FLOOR PLAN POWER BLDG 1/ 2/ 3	1/16/2018
E4.02	FIRST FLOOR PLAN POWER BLDG 5/ 6	1/16/2018
E4.03	FIRST FLOOR PLAN POWER BLDG 4/ 9/ 17/ 21	1/16/2018
E4.04	FIRST FLOOR PLAN POWER BLDG 10/ 12/ 13/ 14/ 15	1/16/2018
E4.05	FIRST FLOOR PLAN POWER BLDG 7	1/16/2018
E4.06	ELECTRICAL ROOM ENLARGED	1/16/2018
E4.07	OVERALL PLANS	1/16/2018
E4.08	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.09	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.10	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.11	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.12	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.13	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.14	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.15	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.16	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.17	ENLARGED MECHANICAL ROOM- ELECTRICAL	1/16/2018
E4.18	FIRST FLOOR PLAN POWER BLDG 20/ 23	1/16/2018
E4.24	PROPOSED POWER ROOF PLAN BLDG 1/ 2/ 3	1/16/2018
E4.25	PROPOSED POWER BLDG 6/ 9- ROOF PLAN	1/16/2018
E4.26	PROPOSED POWER BLDG- 12- ROOF PLAN	1/16/2018
E4.27	PROPOSED POWER ROOF PLAN	1/16/2018
E4.28	PROPOSED POWER BLDG 20- ROOF PLAN	1/16/2018
E5.00	FIRE ALARM SITE PLAN	1/16/2018
E5.01	FIRE ALARM FLOOR PLAN BLDG 1/ 2/ 3/ 85	1/16/2018
E5.02	FIRE ALARM FLOOR PLAN BLDG 5/ 6/ 11/ 18/ 27/ 28	1/16/2018
E5.03	FIRE ALARM FLOOR PLAN BLDG 4/ 8/ 9/ 17/ 21	1/16/2018
E5.04	FIRE ALARM FLOOR PLAN BLDG 10/ 12/ 13/ 14/ 15/ 16/ 29	1/16/2018
E5.05	FIRE ALARM FLOOR PLAN BLDG 20/ 23	1/16/2018
E5.06	FIRE ALARM FLOOR PLAN BLDG 7/ 22/ 24/ 25/ 26	1/16/2018
E7.01	EXISTING ELECTRICAL RISER DIAGRAM	1/16/2018
E7.02	FIRE ALARM RISER DIAGRAM	1/16/2018

ATTACHMENT I-CONTRACT DOCUMENTS-THE DRAWINGS

DRAWING	DESCRIPTION	SUBMITTAL FOR PERMIT SET DATED
E7.03	FIRE ALARM RISER DIAGRAM	1/16/2018
E7.04	FIRE ALARM RISER DIAGRAM	1/16/2018
E7.05	FIRE ALARM RISER DIAGRAM	1/16/2018
E7.06	FIRE ALARM RISER DIAGRAM	1/16/2018
E9.01	PANEL SCHEDULES	1/16/2018
E9.02	PANEL SCHEDULES	1/16/2018
E9.03	PANEL SCHEDULES	1/16/2018
E9.04	PANEL SCHEDULES	1/16/2018
E9.05	PANEL SCHEDULES	1/16/2018
<b>SKETCHES ISSUED WITH RESPONSES TO PRE-BID RFIs</b>		
	TYPICAL REBAR INSTALLATION IN EXISTING BLOCK WALL DETAIL	2/21/18 RFI 3
ASK-1	MECHANICAL ROOM DEMOLITION AND PROPOSED BLDG 9 (A7.09)	3/2/18 RFI 2
ASK-2	MECHANICAL ROOM DEMOLITION AND PROPOSED BLDG 9 (A7.09)	3/2/18 RFI 2
ASK-3	KITCHEN 332C DEMOLITION AND PROPOSED BLDG 12 (A7.09)	3/2/18 RFI 2
ASK-4	MECHANICAL FENCE – BLDG 1 (A7.09) REVISED DETAILS 1/M4.05 AND 1-S1/M4.05 REVISED DETAILS 2/M4.02 AND 3/M4.02	2/23/18 RFI 13 3/8/18 RFI 36 3/8/18 RFI 38



ATTACHMENT II-CONTRACT DOCUMENTS-THE SPECIFICATIONS

**Stranahan High School SMART Project – GMP #2 Amendment**  
**Gilbane Job No. J07471.200**  
**4.11.2018**

**100% CDs Submittal for Permit Specifications Log**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
00000	Title Page	1/16/2018
00002	Project Directory	1/16/2018
00006	Professionals Seal	1/16/2018
00010	Project Manual Index	1/16/2018
00015	List of Drawings	1/16/2018
01010	Summary of Work	1/16/2018
01230	Alternates	1/16/2018
01250	Contract Modification Procedures	1/16/2018
01250a	Proposal Request	1/16/2018
01250b	Change Order Request (Proposal)	1/16/2018
01250c	Proposal Worksheet Detail	1/16/2018
01250d	Proposal Worksheet Summary	1/16/2018
01250e	Construction Change Directive	1/16/2018
01250f	Project Consultant's Supplemental Instructions	1/16/2018
01250g	Construction Change Order Form	1/16/2018
01290	Payment Procedures	1/16/2018
01290a	Application for Payment	1/16/2018
01295	Direct Owner Purchasing Program	1/16/2018
01295a	SBBC Order Form	1/16/2018
01295b	Vendor Request Form	1/16/2018
01295c	Invoice Summary	1/16/2018
01310	Project Management and Coordination	1/16/2018
01310a	Contractor's Request for Information	1/16/2018
01310b	Transmittal	1/16/2018
01320	Construction Progress Documentation	1/16/2018
01320a	Weekly Progress Report	1/16/2018
01320b	Periodic Observation Report	1/16/2018
01320c	Non-Conforming Work Notice	1/16/2018
01321	Construction Schedule Critical Path Method (CPM)	1/16/2018
01330	Submittal Procedures	1/16/2018
01330a	Submittal Form	1/16/2018
01340	Shop Drawings, Product Data, and Samples	1/16/2018
01350	Special Procedures	1/16/2018
01354	Construction Indoor Air Quality Management	1/16/2018
01410	Regulatory Requirements	1/16/2018
01420	References	1/16/2018

ATTACHMENT II-CONTRACT DOCUMENTS-THE SPECIFICATIONS

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
01430	Quality Assurance	1/16/2018
01450	Quality Control	1/16/2018
01510	Temporary Utilities	1/16/2018
01520	Construction Facilities	1/16/2018
01540	Construction Aids	1/16/2018
01550	Vehicular Access and Parking	1/16/2018
01560	Temporary Barriers and Enclosures	1/16/2018
01570	Temporary Controls	1/16/2018
01572	Construction Waste Management	1/16/2018
01580	Project Identification	1/16/2018
01610	Basic Product Requirements	1/16/2018
01620	Product Options	1/16/2018
01630	Product Substitution Procedures	1/16/2018
01630a	Contractor's Substitution Request	1/16/2018
01663	Product Delivery, Storage and Handling Requirements	1/16/2018
01700	Contract Closeout	1/16/2018
01710	Examination	1/16/2018
01720	Preparation	1/16/2018
01730	Execution	1/16/2018
01735	Operation and Maintenance Data	1/16/2018
01740	Cleaning	1/16/2018
01745	Warranties	1/16/2018
01750	Starting and Adjusting	1/16/2018
01760	Protection of Installed Construction	1/16/2018
01770	Closeout Procedures	1/16/2018
01770a	Contractor's Request for Substantial Completion Inspection	1/16/2018
01770b	Project Consultant's Notification of Readiness for Substantial Completion Inspection	1/16/2018
01770c	SF 727: Substantial Completion Inspection	1/16/2018
01770d	Substantial Completion Inspection	1/16/2018
01770e	Project Consultant's Letter Establishing Substantial Completion Date	1/16/2018
01770f	Contractor's Request for Final Completion Inspection	1/16/2018
01770g	Project Consultant's Notification of Readiness for Final Completion Inspection	1/16/2018
01770h	Project Consultant's Letter Establishing Final Completion Date	1/16/2018
01780	Closeout Submittals	1/16/2018
01810	Commissioning	1/16/2018
01820	Demonstration and Training	1/16/2018
01820a	Contractor's Demonstration and Training	1/16/2018

ATTACHMENT II-CONTRACT DOCUMENTS-THE SPECIFICATIONS

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
	Attendance Log	
02070	Minor Demolition for Remodeling	1/16/2018
02280	Soil Treatment	1/16/2018
02830	Chain Link Fencing and Gates	1/16/2018
03300	Cast- In- Place Concrete	1/16/2018
03305	Cast- In- Place Concrete and Reinforcement	1/16/2018
03520	Lightweight Insulating Concrete	1/16/2018
04200	Unit Masonry	1/16/2018
04230	Reinforced Unit Masonry	1/16/2018
04530	Masonry Patchwork	1/16/2018
05120	Structural Steel	1/16/2018
05310	Steel Deck	1/16/2018
05400	Cold Formed Metal Framing	1/16/2018
05500	Metal Fabrications	1/16/2018
05520	Metal Handrails and Railings	1/16/2018
06100	Carpentry	1/16/2018
06300	Wood Treatment	1/16/2018
06400	Architectural Woodwork	1/16/2018
07190	Vapor Barrier	1/16/2018
07210	Building Insulation	1/16/2018
07220	Roof Insulation	1/16/2018
07270	Fire stopping and Smoke Barrier Caulking	1/16/2018
07310	Asphalt Shingles	1/16/2018
07411	Metal Roofing Panels	1/16/2018
07551	Modified Bitumen Roofing (Torch Application)	1/16/2018
07600	Flashing and Sheet Metal	1/16/2018
07631	Gutters and Downspouts	1/16/2018
07716	Roof Expansion Joints	1/16/2018
07722	Roof Scuttles and Automatic Fire Vents	1/16/2018
07724	Prefabricated Curbs	1/16/2018
07920	Joint Sealants	1/16/2018
08110	Steel Doors and Frames	1/16/2018
08400	Entrances and Storefronts	1/16/2018
08520	Aluminum Windows	1/16/2018
08710	Door Hardware	1/16/2018
08800	Glass and Glazing	1/16/2018
09220	Portland Cement Plaster (Stucco)	1/16/2018
09250	Gypsum Board	1/16/2018
09310	Ceramic Tile	1/16/2018
09330	Quarry Tile	1/16/2018
09510	Acoustical Ceilings	1/16/2018
09650	Resilient Tile Flooring	1/16/2018
09683	Carpet Tile	1/16/2018
09900	Painting	1/16/2018

ATTACHMENT II-CONTRACT DOCUMENTS-THE SPECIFICATIONS

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
09910	Remedial Painting	1/16/2018
09951	Resinous Flooring	1/16/2018
10100	Visual Display Boards and Cases	1/16/2018
10165	Plastic Toilet Partitions	1/16/2018
10200	Louvers & Vents	1/16/2018
10400	Identifying Devices	1/16/2018
10532	Aluminum Walkway Covers	1/16/2018
10810	Toilet Accessories	1/16/2018
10820	Shower Enclosures	1/16/2018
12354	Laboratory Casework and Equipment	1/16/2018
13145	Structural Retrofit Roof Sub- Framing System	1/16/2018
13801	Clock Control (Existing)	1/16/2018
13845	Fire Alarm System	1/16/2018
15050	Basic Materials and Methods	1/16/2018
15052	Variable Frequency Drives	1/16/2018
15055	Motors	1/16/2018
15060	Hangers and Supports	1/16/2018
15070	Mechanical Sound and Vibration Control	1/16/2018
15075	Mechanical Identification	1/16/2018
15078	Field Painting of Mechanical Systems	1/16/2018
15083	Duct Insulation	1/16/2018
15089	Piping Insulation	1/16/2018
15100	Valves	1/16/2018
15105	Plumbing Piping	1/16/2018
15182	HVAC Pumps	1/16/2018
15183	Hydronic Piping	1/16/2018
15184	Refrigeration DX Piping and Specialties	1/16/2018
15188	Hydronic Specialties	1/16/2018
15220	Chemical Treatment System	1/16/2018
15221	Cooling Tower Treatment System	1/16/2018
15300	Fire Protection System	1/16/2018
15410	Plumbing Fixtures	1/16/2018
15430	Plumbing Specialties	1/16/2018
15480	Domestic Water Heaters	1/16/2018
15620	Packaged Water Cooled Chiller	1/16/2018
15625	Air Cooled Chilled	1/16/2018
15645	Mechanical Draft Cooling Tower	1/16/2018
15719	Multizone Air Handling Unit	1/16/2018
15720	Air Handling Units	1/16/2018
15724	Packaged DX Air Handling Unit	1/16/2018
15736	Ductless Air Conditioner	1/16/2018
15788	Refrigeration System Safety Equipment	1/16/2018
15810	Metal Ducts	1/16/2018
15825	Electric Duct Heater	1/16/2018

ATTACHMENT II-CONTRACT DOCUMENTS-THE SPECIFICATIONS

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>SUBMITTAL FOR PERMIT SET DATED</b>
15830	Fans	1/16/2018
15845	Air Terminal Unit	1/16/2018
15850	Air Outlets and Inlets	1/16/2018
15860	Air Cleaning Devices	1/16/2018
15900	HVAC Instrumentation and Controls	1/16/2018
15995	Startup and Certification of Air, Water and Control Systems	1/16/2018
16010	General Provisions	1/16/2018
16020	Completion of Work	1/16/2018
16050	Basic Materials and Methods	1/16/2018
16053	Provisions for Interior Finishing	1/16/2018
16060	Grounding	1/16/2018
16070	Equipment Bases, Mats and Supports	1/16/2018
16072	Electrical Supporting Devices	1/16/2018
16080	Electrical Inspection and Testing	1/16/2018
16085	Cables, Splices and Terminations Testing	1/16/2018
16090	Alterations and Additions to Existing Work	1/16/2018
16120	Wires and Cables	1/16/2018
16129	Terminal Lugs	1/16/2018
16130	Raceways and Boxes	1/16/2018
16132	Conduit, Fittings and Supports	1/16/2018
16137	Pull and Junction Boxes	1/16/2018
16138	Outlet Boxes	1/16/2018
16140	Wiring Devices	1/16/2018
16220	Motor Starters	1/16/2018
16225	Motors and Motor Controls	1/16/2018
16410	Circuit Breakers	1/16/2018
16413	Safety Switches	1/16/2018
16415	Surge Protection Devices	1/16/2018
16440	Panelboards	1/16/2018
16460	Energy Efficient Dry Type Transformers	1/16/2018
16490	Fuses	1/16/2018
16510	Interior Luminaires	1/16/2018
16910	Electric System Controls	1/16/2018
16912	Mechanical System Controls	1/16/2018
Appendix A	Roof Reports By Terracon Consultants, Inc	1/16/2018



Clarifications & Assumptions

**INCLUDED AS PART OF ATTACHMENT III  
ADDITIONAL CONTRACT DOCUMENTS**

**Stranahan High School SMART Project - GMP #2 Amendment**

**Guaranteed Maximum Price Estimate**

April 13, 2018

**Contract Provisions**

1. Preamble: It is understood and agreed by all Parties that the CM established its GMP #2 prior to the issuance of a permit to accommodate the design schedule and facilitate the CM's purchasing of the subcontracts and materials; As a result, the Owner and CM agree that the following assumptions and clarifications are for the benefit of the Project, and that GMP #2 Amendment, shall control and govern as follows:
2. The Owner and CM acknowledge and agree that because the GMP was established before issuance of the permit, the CM may be entitled to a Change Order to the extent the CM is impacted from the discovery of any condition or issue not reasonably visible at the time of this GMP #2 Amendment or resulting from requirements added during the Permit review, which could not have been reasonably anticipated.
3. Pursuant to Article 3.3.9 of the Agreement, and subject to architect's response and resolution to the comments of Building Department dated 2/1/18, Heery's Review Comments, Outstanding RFIs, Gilbane IDC Final Report No.2 022318 (36-101), the CM, without assuming the Project Consultant's responsibilities, hereby attests and confirms that that the plans and specifications (Attachments I and II) are consistent, practical, feasible and constructible and that the work described in the plans and specifications for the various bidding packages is constructible within the scheduled construction time.
4. The CM shall proceed with obtaining bids and to award subcontractors and purchase orders with the consent of the Owner's Representative prior to the Letter of Intent to Permit.
5. Notwithstanding any other term or provision in the Contract Documents, the Owner shall permit the CM to commence certain work such as mobilize, purchasing, procurement prior to Letter of Intent to Permit.
6. The date for Substantial Completion shall not be less than 868 days after Board Approval of GMP #2 Amendment and Notice to Proceed (for mobilization).

7. The Intent to Permit, together with the construction documents associated with the Intent to Permit, and Notice to Proceed (For the entire Construction Phase) shall be issued by Owner to the CM on or before April 30, 2018. If such documents have not been issued to the CM by such date, the CM shall prepare and transmit a Time Impact Analysis to the Owner which may show the need to accelerate and/or entitle the CM to an extension of time and the right to file for additional compensation through a request for potential cost adjustment, which shall be considered by the Owner. Potential cost adjustment may include labor, material, and/or general condition items
8. Due to the GMP #2 being established before the issuance of a permit, as set forth above, the Owner and CM agree that certain GMP amounts are based on Allowances. If the actual Cost for Allowance item(s) is more or less than the Allowance Amount(s) set forth in this GMP Amendment, then the Allowance Amount(s) shall be amended and increased or reduced equal to the actual Costs of the Allowance Item. Actual cost of an Allowance item shall be limited to labor, materials, equipment, subcontractor costs, bonds and insurance, and GC Fee associated with the specific Allowance item.
9. The contract agreement, General Conditions Article 44 indicates the basis of the Right to Audit Provisions. Per CMAR Agreement Article 7.1.3, the General Conditions are included as a lump sum cost in the GMP. As with all lump sums it is anticipated that some line items in the originally proposed budget will be exceeded while others result in a savings. The intended result is that there is a balanced budget within the line items.
10. Pursuant of the project design delay, Gilbane has incurred in Additional Preconstruction Services that are included as part of the General Conditions of this GMP
11. It is assumed that all furnishings and owner equipment will be relocated out of the construction and/or staging area by the owner prior to construction start within each Phase.
12. It is assumed that Construction Manager (CM) and Trade Contractors shall be able to utilize part of the existing campus for delivery of materials, staging of materials, and storage of materials as necessary to complete the construction work as referenced in the Site Logistics plan, which is included as part of Attachment III – Additional Contract Documents of this GMP Amendment. These areas will not be available for use by the public, including any students, staff, and/or parents.
13. It is anticipated the project will operate during normal construction business hours from Monday through Friday 7am to 4pm and that access will be provided by school staff. The CM reserves the right to perform work off-hours as required to achieve the project milestones in coordination with school staff at no additional cost to the Owner.
14. It is intended that the CM and Trade Contractors shall utilize current onsite electrical and water service for the completion of the Project as a cost saving measure to the District for the entire project duration. The CM is including temporary power for the installation of one office trailer for onsite staff.
15. One general project permit for Gilbane Building Company is included as part of this GMP and the roofing sub-permit as part of the trade contractor.
16. Bonds and Insurance shall be paid based on actual cost and may be invoiced on the first application for Payment following payment of premiums by CM.
17. The GMP is utilizing CDI/Subguard for all of the trade contractors in lieu of subcontractor Payment and

Performance Bonds. By acceptance of this Clarification, the Owner is accepting these costs as required per article 24.13 of the General Conditions. CDI/Subguard is separate from the Payment and Performance Bond that the Construction Manager will provide to the Owner as per Article 29 of the CMAR Agreement.

18. In accordance with the agreement at 3.4.2 and at Exhibit C, we attach our list of subcontractors and their MWBE participation percentage and value. The MWBE participation extends from subcontractors to sub-subcontractors and sub-material suppliers. The calculated total percentage participation is the amount of participation divided by the subtotal of costs of work, CM Fee, Contingency, and General Conditions. Owner Direct Purchase orders deducted from the trade contracts are an accounting function and will not reduce the calculated percentage of MBWE participation contracts.

19. Items not incorporated into this GMP Amendment (not required, or by others)

- a. Asbestos and/or any other hazardous materials abatement- by owner, except in roofing applications as indicated in below clarifications.
- b. RFIs and responses not incorporated into the contract drawings and specifications
- c. Any use of or cost for licenses by eBuilder or any other document control software not included in these clarifications.
- d. FF&E: Section 01710 - remove, store and protect furniture as instructed by the project consultant. (All existing FF&E shall be removed by owner prior to construction start within each Phase).
- e. Independent testing, material testing, threshold inspections, special inspections and monitoring
- f. As -Builts are included as Red-Line documents. Costs associated to develop CAD or Revit type As-Built drawings are by Owner. If Signed and Sealed As-Builts will be required on this project the cost associated with the implementation of the As-Builts is not included.
- g. Partnering Sessions, Groundbreaking ceremony, Owner and Project Consultant's Office per Section 01520.

The following items represent further clarifications that have been included in the Guaranteed Maximum Price:

**Specification for allowances only:**

1. The following list of specifications are not applicable to the scope of work on this GMP. They may become applicable for the STEM Labs and Media Center Allowances once those components are fully development:
  - i. 06400 Architectural Woodwork
  - ii. 08400 Entrances and Storefronts
  - iii. 09450 Resilient Tile Flooring
  - iv. 09683 Carpet Tile
  - v. 09951 Resinous Flooring
  - vi. 10100 Visual Display Boards and Cases
  - vii. 12354 Laboratory Casework and Equipment
  - viii. 13801 Clock Control (Existing)

**Division 1:**

1. Section 01810 Commissioning applies only as to new equipment, not existing equipment and becomes effective per Phase of construction completion.
2. Warranties to become effective upon issuance of Building Department's Certificate of Completion for each phase.



3. Fee not to be reduced if Cost of Work is reduced via Direct Purchase Order by Owner.

**BID PACKAGES:****02A: Selective Demolition**

1. All items scheduled for demolition become the property of the construction manager or contractor. If owner wishes to retain ownership of any materials or equipment, owner shall notify the construction manager prior to demolition and shall be responsible to remove from site.
2. Abatement of hazardous materials shall be complete prior to construction start, e.g., chilled water pipe insulation at all buildings and roof.
3. 2,500 square feet of hard ceiling demolition are included for a total budget of \$12,500.

**03A: Concrete and Masonry**

1. Concrete and masonry reinforcement included for 66 windows to be replaced as per detail S7.0 for a total budget of \$100,000.

**05A Misc. Metals**

1. Temporary catwalk and existing auditorium seats removal and storage included as an allowance.
2. Nine locations for guard rails at roof for equipment within 10 feet of roof edge are included as a total budget of \$48,744.
3. 210 linear feet of permanent chain link fence with gates are included for exterior electrical and mechanical equipment enclosures for a total budget of \$10,500.
4. Temporary catwalk/work platform at building 2 above auditorium for fire protection and mechanical equipment installation and seat removal are included for a total budget of \$50,000.

**07B: Roofing****The GMP was developed with the following considerations;**

1. Only non-hazardous non-friable roofing components are included as part of the roofing demolition.
2. Tectum roof decking is assumed to be structurally adequate for the roof assembly.
3. Separate roof permits or roofing phased permitting is allowed by the Building Department.

**09B: Drywall, Metal Framing and Sheathing**

1. Replacement of Acoustical Ceiling Tile and Grid is included for the following Buildings:
  - a. Building 1 2<sup>nd</sup> Floor corridor – total budget \$20,030
  - b. Building 5 corridor – total budget \$57,900
  - c. Building 6 corridor – total budget \$45,850
  - d. Building 7 corridor – total budget \$44,490
2. Patch of drywall returns at window replacement for Building 1 1<sup>st</sup> and 2<sup>nd</sup> Floors are included for a total budget of \$41,000.
3. Ceiling tile (only) replacement due to new Fire Protection work at Buildings 1 and 9 at classroom locations only for a total budget of \$100,000. If directed by the owner.

**23A: HVAC and Controls**

1. Sheet M1.02 HVAC summary is for informational purpose only. Floor plan scope will supersede.
2. Curb extensions to existing fans, air intake vents, and goosenecks so that top of extended curb is 12" above the new finish roof in lieu of detail 1/A8.01 which shows 18".

**26A Electrical, Fire Alarm, Telecommunications**

1. Fire alarm installation included on a building by building basis. New fire alarm system to be run and operate parallel with existing system. Existing system to be de-commissioned as new system comes on line per Phase, pending SBBC Fire Chief approval.

The following is a list of Items not incorporated into this GMP Amendment (not required, or by others)

**General**

1. Several details on the construction documents have no applicability to the project.

**05A Misc. Metals**

1. Specification Section 15300 1.5, K: Structural verification of existing buildings to support the load of new systems such as fire protection.

**23A: HVAC and Controls**

1. Air leakage of existing ductwork per section 15810-3.1R.
2. Laptop for graphics for mechanical controls per spec section 15900-2.4B
3. Interface of existing building network master controller. The existing equipment will interface with the existing building network master controller by SBBC.
4. NOA for existing equipment being reinstalled per notes on detail 1/A8.01.

**26A Electrical, Fire Alarm, Telecommunications**

1. AV, CATV, CCTV, Security, Data or Telephone scopes, if needed are included in the STEM and Media Center allowances.
2. Fire watch since work will not disrupt existing fire alarm system in occupied areas. Construction areas will have fire alarm disconnected during construction phase.

**PRE-BID RFIs WITH REPLIES**

RFIs answered through 3/8/2018 have been included as indicated in list below. Subsequent "pre-bid" RFIs will be addressed after the GMP and shall be included in an ASI.

RFI #	Description	Sent to A/E	Returned from A/E
1	MWBE Requirements for GMP	1/10/2018	
2	Reflective Ceiling Plans	2/8/2018	3/2/2018
3	Cooling Tower Existing CMU wall reinforcement	2/9/2018	2/22/2018
5	Existing Clock Control	2/12/2018	2/15/2018
6	Building 1 Lower Roof Exhaust Fans	2/12/2018	2/15/2018
7	HVAC Sequence of Operation	2/12/2018	2/13/2018
8	New Fire Department Connection Bldg's 1 & 9	2/13/2018	2/15/2018
9	Existing Wall Types	2/15/2018	2/20/2018
10	Building 16 Demo & Roof Plan	2/16/2018	2/16/2018
11	Roofing Substrate Clarifications at Existing Double Membrane Roofs	2/19/2018	3/2/2018
12	Existing Interior Window Sills	2/19/2018	2/23/2018
13	Building 1 CU-1 & CU-2 Fence Enclosure	2/19/2018	2/23/2018

14	Building 2 Fire Protection Interstitial Space Above Ceiling	2/20/2018	2/22/2018
15	Fire Protection Hose Cabinets	2/20/2018	2/21/2018
16	Horizontal Reinforcement in existing CMU for new window replacement	2/22/2018	2/22/2018
17	New VAV inlet and outlet connection distances to existing	2/22/2018	2/22/2018
18	Building 16 Gas Fired Boiler	2/22/2018	2/22/2018
20	Fire Protection Double Detector Check Valves	2/26/2018	2/27/2018
21	HVAC Labels M7.03 AHU-2-4 CH-1	2/26/2018	2/27/2018
23	Sheet C.1 Missing from Index of Drawings	2/26/2018	2/27/2018
24	Aluminum Walkways Building 23 and 28	2/27/2018	3/2/2018
25	Aluminum Walkway lighting and lightning protection	2/27/2018	3/2/2018
30	Mechanical Housekeeping Pad	3/1/2018	3/7/2018
32	Room 101B CU-2 Model	3/1/2018	3/7/2018
34	Building 29 new T29 transformer disconnect switches	3/1/2018	3/8/2018
35	AHU- UV anchoring to gypsum deck	3/2/2018	3/7/2018
<b>RFI #</b>	<b>Description</b>	<b>Sent to A/E</b>	<b>Returned from A/E</b>
36	Building 9 mechanical room 308B AHU-9-1 EDH Locations	3/2/2018	3/8/2018
37	Mechanical room 234 FATC Location	3/2/2018	3/8/2018
38	Electric duct heaters AHU-2-2 & AHU-3-2	3/2/2018	3/8/2018
39	Existing conduit for panel 6H1	3/2/2018	3/8/2018
41	E4.02 Key Note 3	3/2/2018	3/8/2018
42	VAV-6-1-12 Circuit	3/2/2018	3/8/2018
43	AHU- 3-1 AHU-5-1 AHU-6-1 AHU-7-1 AHU-21-1	3/2/2018	3/8/2018
45	AHU-4-2-1 existing supply duct sizes	3/2/2018	3/8/2018
47	Electrical Panel A	3/2/2018	3/8/2018
48	Panel 7H1 & BK-EDP Locations	3/2/2018	3/8/2018
57	AHU- EDH CFM Discrepancies	3/5/2018	3/8/2018
72	Building 13 Wall Window	3/6/2018	3/8/2018
75	Building 21 AHU 21-1-1 EDH	3/6/2018	3/8/2018

**Stranahan High School SMART Project - GMP#2 AMENDMENT**

**Breakdown of Costs**



4.13.2018

Bid Package Description	Gilbane GMP Amount	Subcontractor/ Vendors Carried Within GMP	W/MBE % MWBE %	W/MBE Amount MWBE \$
02A - Selective Demolition	\$244,800	Coastal Demolition	0.0%	\$0
03A - Concrete & Masonry	\$427,985	D Stephenson	100.0%	\$427,985
05A - Misc. Metal	\$317,744	Suncor Inc	0.0%	\$0
07A - Roofing	\$5,632,292	Crowther Roofing	0.0%	\$0
08A - Door, Frames and Hardware	\$17,300	D Stephenson	100.0%	\$17,300
08B - Glass and Glazing	\$668,187	ARSO Enterprises	0.0%	\$0
09A - Stucco	\$1,219,600	D Stephenson	100.0%	\$1,219,600
09B - Framing, Drywall, Insulation & ACT	\$842,969	D Stephenson	100.0%	\$842,969
09C - Tiling	\$97,805	D Stephenson	100.0%	\$97,805
10A - Division 10	\$71,181	145 Building Supply	0.0%	\$0
10C - Aluminum Canopy	\$89,300	Perfection Architectural	0.0%	\$0
21A - Fire Sprinkler	\$399,375	Advanced Systems	0.0%	\$0
22A - Plumbing	\$946,000	Al Hill Plumbing	100.0%	\$946,000
23A - HVAC	\$2,772,940	Coltec Engineering, Inc.	100.0%	\$2,772,940
26A - Electrical	\$2,077,486	Universal Electric of Florida, Inc.	0.0%	\$0
<b>Cost of Work Subtotal</b>	<b>\$15,824,964</b>		<b>39.97%</b>	<b>\$6,324,599</b>
CM Fee	\$791,248		0.0%	\$0
Construction Contingency	\$1,041,248		9.0%	\$71,496
CM General Conditions	\$3,587,136		0.0%	\$0
			12.9%	\$463,606
<b>SUBTOTAL</b>	<b>\$21,244,596</b>		<b>32.3%</b>	<b>\$6,859,701</b>
Allowances	\$2,465,586		0.0%	\$0
CDI	\$205,725		0.0%	\$0
P & P Bond	\$154,179		0.0%	\$0
General Liability Insurance	\$210,023		0.0%	\$0
<b>Total GMP Amount</b>	<b>\$24,280,108</b>		<b>28.25%</b>	<b>\$6,859,701</b>

**Stranahan High School SMART Project -  
GMP#2 AMENDMENT**

**Allowances Log**

4/11/2018

<b>Bid Package Description</b>	<b>Allowances</b>
<b>07A - Roofing Allowance</b>	<b>\$409,000</b>
<b>09E - Painting Allowance</b>	<b>\$63,124</b>
<b>22A - Plumbing Allowance</b>	<b>\$48,000</b>
<b>23A - HVAC Allowance</b>	<b>\$209,500</b>
<b>26A - Electrical Allowance</b>	<b>\$400,000</b>
<b>26 - Communication Allowance</b>	<b>\$59,094</b>
<b>STEM Lab Owner Allowance</b>	<b>\$835,940</b>
<b>Media Center Owner Allowance</b>	<b>\$440,928</b>
<b>TOTAL</b>	<b>\$2,465,586</b>

ATTACHMENT III - ADDITIONAL CONTRACT DOCUMENTS



Gilbane Building Company  
661 University Boulevard  
Suite 107  
Jupiter FL 33458  
(561) 691-0060

**Stranahan High School GMP Amendment 2**  
Fort Lauderdale, Florida

Owner: The School Board of Broward County  
A/E: Wolfberg Alvarez

PROPOSAL SUMMARY		10/01/16	thru 9/30/20
GENERAL CONDITIONS			3,587,136
PERSONNEL COST		2,276,074	
FIELD OFFICE SUPPORT COST		612,172	
TOTAL GENERAL REQUIREMENTS COST		698,890	



**ATTACHMENT III - ADDITIONAL CONTRACT DOCUMENTS**



Gilbane Building Company  
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 Suite 107  
 Jupiter FL 33458  
 (561) 691-0060

**Stranahan High School GMP Amendment 2**  
 Fort Lauderdale, Florida

Owner: The School Board of Broward County  
 A/E: Wolfberg Alvarez

FIELD OFFICE SUPPORT				
Description	Quantity	Unit	Rate	TOTAL
<b>FIELD OFFICE</b>				
Trailer Complex	30	Mo	1,200	36,000
Trailer Complex Setup & Removal	1	Est	5,800	5,800
Electrical, Water, Sewer Connection Cost	1	Est	5,000	5,000
Electrical Consumption for Trailer	30	Mo	500	15,000
Water & Sewer Charges for Trailer	30	Mo	180	5,400
Security System	1	Ea.	2,000	2,000
Fire Extinguisher	6	Ea.	50	300
Janitorial Service	30	Mo	300	9,000
Maintenance & Repair	30	Mo	144	4,320
<b>FIELD OFFICE EQUIPMENT</b>				
Copy Machine - Rental & Supplies	30	Mo	720	21,600
Furniture	6	Stat	1,250	7,500
Telephone System	8	Stat	225	1,800
Computer Network Trailer Wiring	9	Stat	126	1,130
Leased Computers	34	Mo	456	15,500
Data Line Internet connectivity - Check local service provider	34	Mo	650	22,100
Network Equipment (Aruba router and switch)	1	Is.	3,650	3,650
Tablet PC's	6	Ea.	650	3,900
Tablet PC, cell connection	204	Mo	50	10,200
Owner/Subcontractor Workstation	1	Ea.	3,500	3,500
<b>FIELD OFFICE EXPENSE</b>				
Bottled Water	30	Mo	80	2,400
Textura CPM Software	1	Ea.	8,000	8,000
P6 Scheduling Software - year 2 (year 1 covered in SPE)	1	License	3,500	3,500
Quality Control Management Systems (PX x 10 months)	10	Mo	600	6,000
Quality Control Management Systems (PM x 34 months)	34	Mo	600	9,600
Quality Control Management Systems (PE#1 x 34 months)	34	Mo	600	20,400
Quality Control Management Systems (PM#2 x3 months)	3	Mo	600	1,800
Quality Control Management Systems (GS x 33 months)	33	Mo	600	19,800
Quality Control Management Systems (AS x 34 months)	33	Mo	600	20,400
Proprietary Systems and Software		MH		
First Aid Supplies	1	LS	1,500	1,500
Safety/OSHA Startup Kit	1	LS	3,000	3,000
Safety Toe Shoes		Ea		
Miscellaneous Blueprinting	30	Mo	250	7,500
Shipping - Fedex/UPS	30	Mo	330	9,900
Progress Photos / Webcams	30	Mo	200	6,000
Records Transport/Retention	1	Est	2,000	2,000
Small Tools & Supplies	30	Mo	250	7,500
Stationary, Paper & Supplies	30	Mo	730	21,900
Cell Phones (PX )	10	Mo	125	1,250
Cell Phones (PM)	34	Mo	125	4,250
Cell Phones (PE)	34	Mo	125	4,250
Cell Phones (PM1)	3	Mo	125	380
Cell Phones (GS)	33	Mo	125	4,130
Cell Phones (AS)	34	Mo	125	4,130



**ATTACHMENT III - ADDITIONAL CONTRACT DOCUMENTS**

FIELD OFFICE SUPPORT				
Description	Quantity	Unit	3/01/18 thru 9/30/20	
			Rate	TOTAL
Jobsite Employee Travel (PX)	10	Mo	150	1,500
Jobsite Employee Travel (PM)	34	Mo	200	6,800
Jobsite Employee Travel (PE)	35	Mo	300	10,200
Jobsite Employee Travel (GS)	33	Mo	150	4,950
Jobsite Employee Travel (AS)	34	Mo	250	8,250
Jobsite Employee Travel (Accountant)	34	Mo	300	10,200
Jobsite Employee Travel (Quality)	30	Mo	300	9,000
Jobsite Employee Trave (Sr. PX)	31	Mo	50	1,550
Jobsite Employee Travel (Safety)	31	Mo	300	9,300
Jobsite Employee Travel (PX)	10	Mo	300	3,000
Employee Vehicles (PX)	10	Mo	895	8,950
Employee Vehicles (PM)	34	Mo	895	30,430
Employee Vehicles (PE)		Mo		
Employee Vehicles (GS)	33	Mo	895	29,540
Employee Vehicles (AS)	34	Mo	895	29,540
Concrete and Landscape restoration allowance	1	ls	50,000	50,000
<b>ADDITIONAL COST ITEMS (per RFP)</b>				
Reimbursement for Preconstruction Time Extension	1	Ea	45,472	45,472
Interdisciplinary Document Coordination Review		Ea		
 TOTAL FIELD OFFICE SUPPORT COST				 612,172

**ATTACHMENT III - ADDITIONAL CONTRACT DOCUMENTS**



Gilbane Building Company  
 661 University Boulevard  
 Suite 107  
 Jupiter FL 33458  
 (561) 691-0060

**Stranahan High School GMP Amendment 2**  
 Fort Lauderdale, Florida

Owner: The School Board of Broward County  
 A/E: Wolfberg Alvarez

GENERAL REQUIREMENTS				
3/01/18 thru 9/30/20				
Description	Quantity	Unit	Rate	TOTAL
<b>PROJECT PERMITS</b>				
Project Construction Permit		QUOTE		By Owner
BCPS ID Badges (All Staff)	10	Est.	85	850
<b>BID SET REPRODUCTION, DISTRIBUTION &amp; EXPRESS MAIL</b>	<b>1</b>	Est.	<b>15,000</b>	<b>15,000</b>
<b>TEMPORARY FACILITIES / CHEMICAL TOILETS</b>				
Chemical Toilets	31	Mo.	900	27,900
Storage Trailers & Tool Rooms	31	Mo.	350	10,850
Wayfinding Signage	1	Est.	5,000	5,000
Golf Cart	1	ea	3,500	3,500
<b>LAYOUT / ENGINEERING</b>				
Precondition Survey	1	LS	5,000	5,000
<b>TEMPORARY CONSTRUCTION / SAFETY</b>				
First Aid Kits	1	Ea.	1,200	1,200
Project Fire Extinguishers	12	Est.	250	3,000
Drug Testing	14	Ea.	60	840
<b>TEMPORARY FENCING</b>				
Removable Fence	15,000	Lf.	14	210,000
<b>PROJECT CLEAN-UP</b>				
Dumpster Service	31	Mo.	450	13,950
Rough Cleanup	6,500	MH	35	227,500
Final Cleanup	236,000	SF	0.30	70,800
<p>Clarifications: Per Article 13.1.09 of CMAR Agreement Jobsite Employee Travel is included in the Field Office Expense for Gilbane's staff to account for miscellaneous travel associated with the project and does not includes travel from home office to the project site. The value for this is a set monthly rate that is established per employee and calculated utilizing standard mileage rates. Auto allowance is included in the Field Office Expense for the operation's staff to account for the individual staff member's use of a personal vehicle, which is separate from the travel referenced above. The value for this auto allowance is a set monthly rate per employee.</p> <p>Clarifications: As per article 25.2.05 of the CMAR Agreement-General Conditions, the following software has been included as part of the Quality Control Systems: CMIC, iBidPro, Bluebeam, BIM-360, iBuild, SmartApp and Docbuilder. These software are calculated based on a monthly rate.</p>				
<b>TOTAL GENERAL REQUIREMENTS COST</b>				<b>698,890</b>



**The School Board of Broward County, Florida**  
**Procurement & Warehousing Services Department**  
**7720 W. Oakland Park Blvd., Suite 323**  
**Sunrise, Florida 33351(754) 321-0505**

**Document 00435: Schedule of Values**

Project No: P.001684  
 Location No: 1241  
 Project Title: SMART Project GMP#2 Amendment  
 Facility Name: Stranahan High School  
 Date Submitted: \_\_\_\_\_  
 Original Post Bid Submittal:  Yes  No  
 Contractor: Gilbane Building Company Accompanying Requisition for Payment No.: \_\_\_\_\_

**(FORM TO BE USED BY THE SELECTED BIDDERS)**

A Item No.	B Project Manual Division/Section No.	C Description of Work	D Scheduled Value	E Work Completed		F This Period	G Materials Presently Stored to Date (Not in E or F)	H Total Completed & Stored to Date (E+F+G)	I %	J Balance to Finish (D-H)	K Retainage
				From Previous Application (E+F)							
Div. 2		02A - Selective Demolition	\$244,800						H/D	(D-H)	
Div. 3		03A - Concrete & Masonry	\$427,985								
Div. 5		05A - Misc Metals	\$317,744								
Div. 7		07A - Roofing	\$5,632,292								
Div. 8		08A - Doors Frames & Hardware	\$17,300								
Div. 8		08B - Glass & Glazing	\$668,187								
Div. 9		09A - Stucco	\$1,219,600								
Div. 9		09B - Framing, Drywall, Insulation	\$842,969								
Div. 9		09C - Tiling	\$97,805								
Div. 10		10A - Division 10 Specialties	\$71,181								
Div. 10		10C - Aluminum Canopy	\$89,300								
Div. 21		21A - Fire Sprinkler	\$399,375								
Div. 22		22A - Plumbing	\$946,000								
Div. 23		23A - HVAC and Controls	\$2,772,940								
Div. 26		26A - Electrical, Fire Alarm and Telecommunications	\$2,077,486								
		CM Fee	\$791,248								



**Contractor's Certification**

According to the best of my knowledge and belief, I certify that all items and amounts shown on this certificate are correct, that all work has been performed and material supplied in full accordance with the terms and conditions of the Contract. I further certify that all just and lawful bills against the undersigned and his subcontractors for labor, materials, and equipment employed in the performance of the Work have been paid in full in accordance with the Contract's terms and conditions.

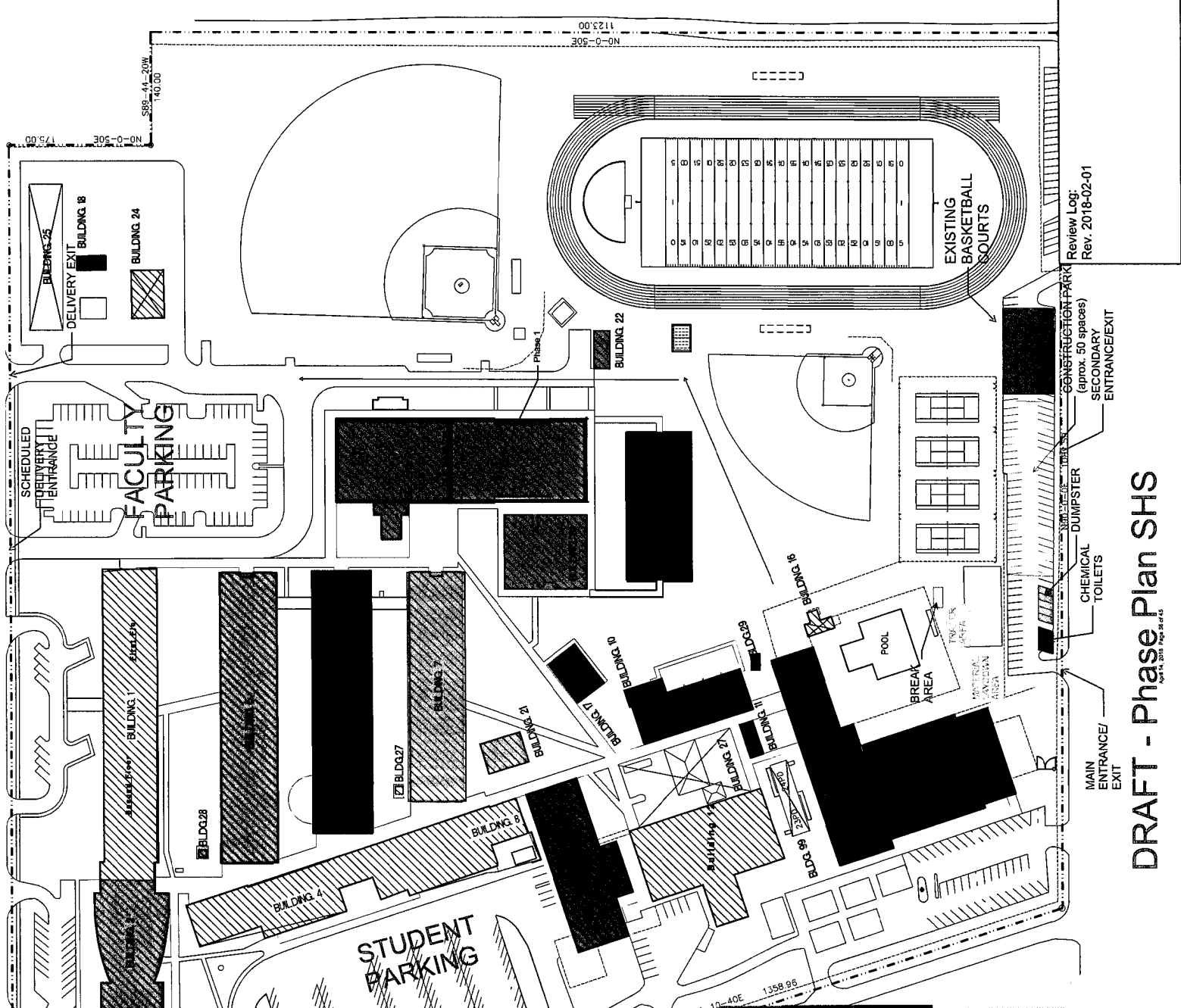
**Submitted By:**

Company Name &  
Address:

Phone:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title



Review Log:  
Rev. 2018-02-01

# DRAFT - Phase Plan SHS

Apr 14, 2018 Page 36 of 45

**MOBILIZATION TO SITE**  
05/18

**PHASE 5 [6/19-9/19]**  
BLDGS 8 & 12 - 06/19 to 08/19  
BLDG 4 - Culinary Rooms and Media Center - 06/19 to 08/19  
BLDG 4 (Remaining) - 06/19 to 09/19

**PHASE 9 [5/20-8/20]**  
BLDGS 1 & 3

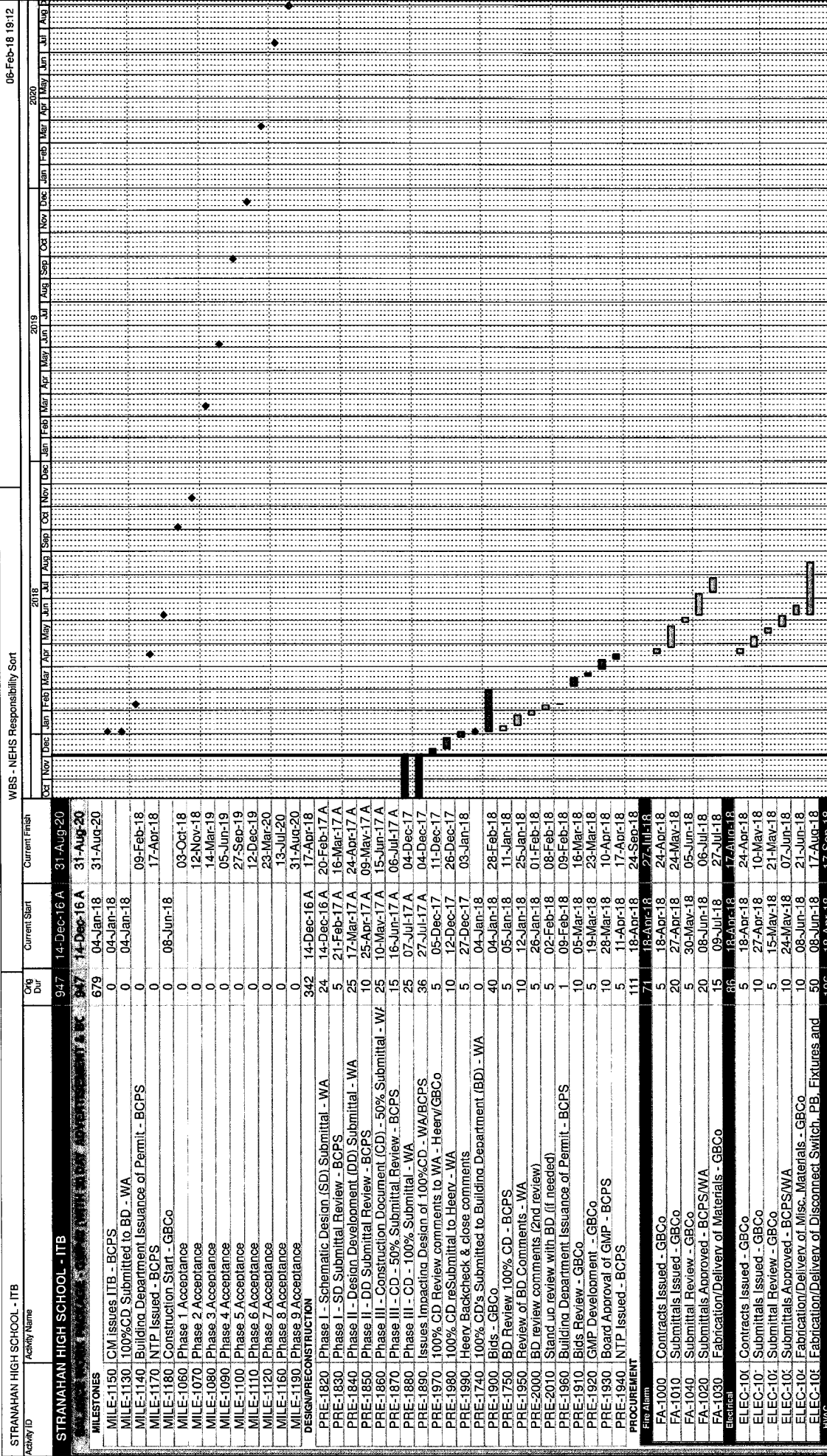


## ATTACHMENT IV - SALARY AND WAGE SCHEDULE

### On-site Management and Supervisory Personnel

Field Personnel
On Site Project Executive-Roby DeReuil
On Site Project Manager-Brian Wood
On Site Project Engineer- Robert Hogg
On Site General Suprintendent-TBD
On Site Area Superintendent(DS) Charles Leauge
On Site Project Manager 1- Rey Aranda
Preconstruction Manager On Site- Ted Cava
On Site Safety Manager- John Rawlings
On Site Quality Manager- Brooke Teinert
On Site Scheduling Manager- Scot Mello
Estimating Department- David Rowe
Division Purchasing Agent -Chris Beck
Purchasing Manager- Sherri Puffenberger
On Site Project Accountant - Candace Peterson
Sr. Project Executive -Mike Bird

ATTACHMENT V - THE CONSTRUCTION SCHEDULE



Finish Date: 31-Aug-20  
 Data Date: 04-Dec-17  
 Run Date: 06-Feb-18 19:12  
 Page 1 of 8  
 SSSH GMP2

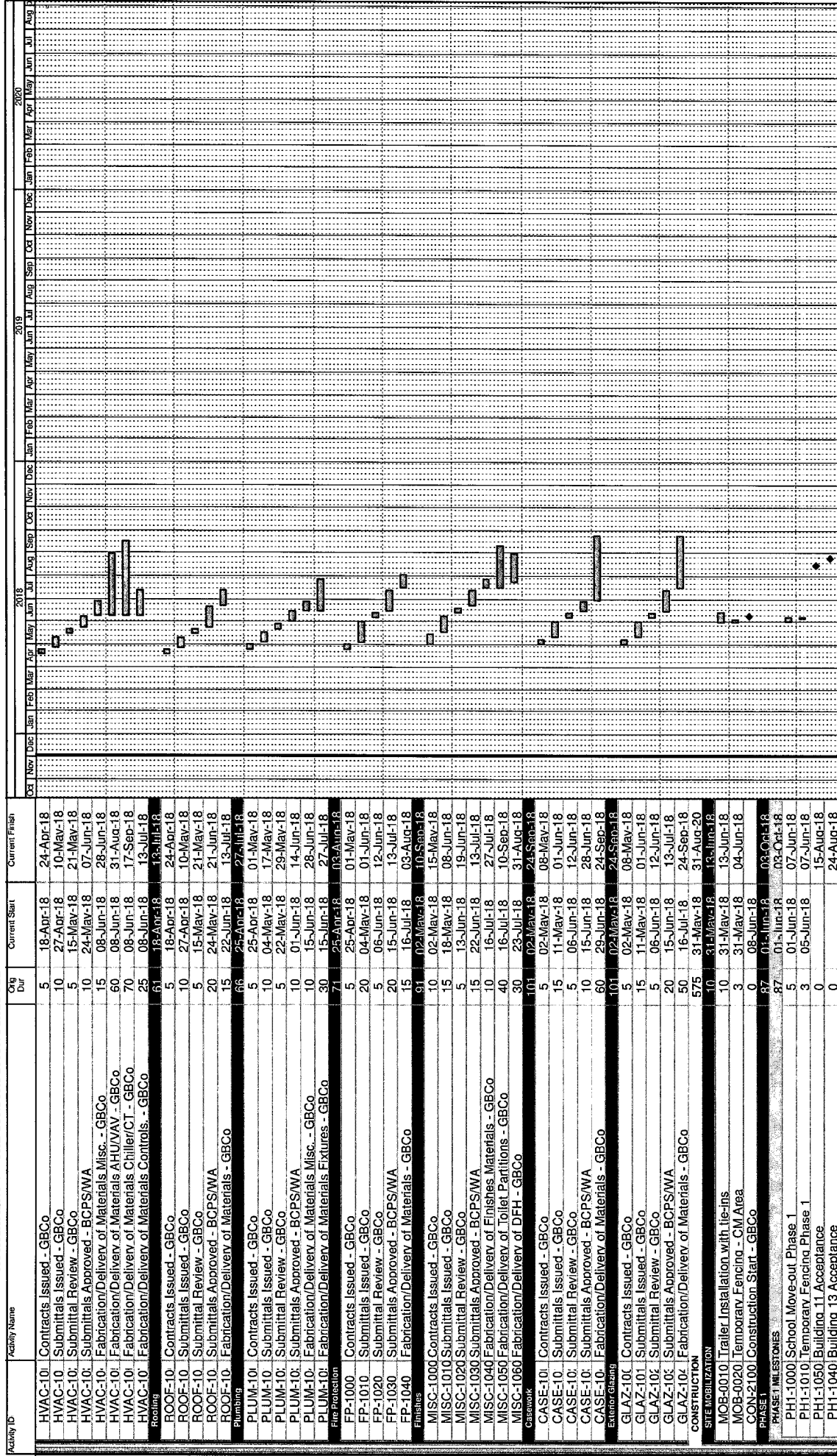
Remaining Level of Effort  
 Actual Level of Effort  
 Actual Work  
 Remaining Work  
 Critical Remaining Work  
 Summary Milestones  
 Critical Milestones  
 Milestones

**STRANAHAN HIGH SCHOOL - ITB**

April 14, 2018 Page 38 of 45



ATTACHMENT V - THE CONSTRUCTION SCHEDULE

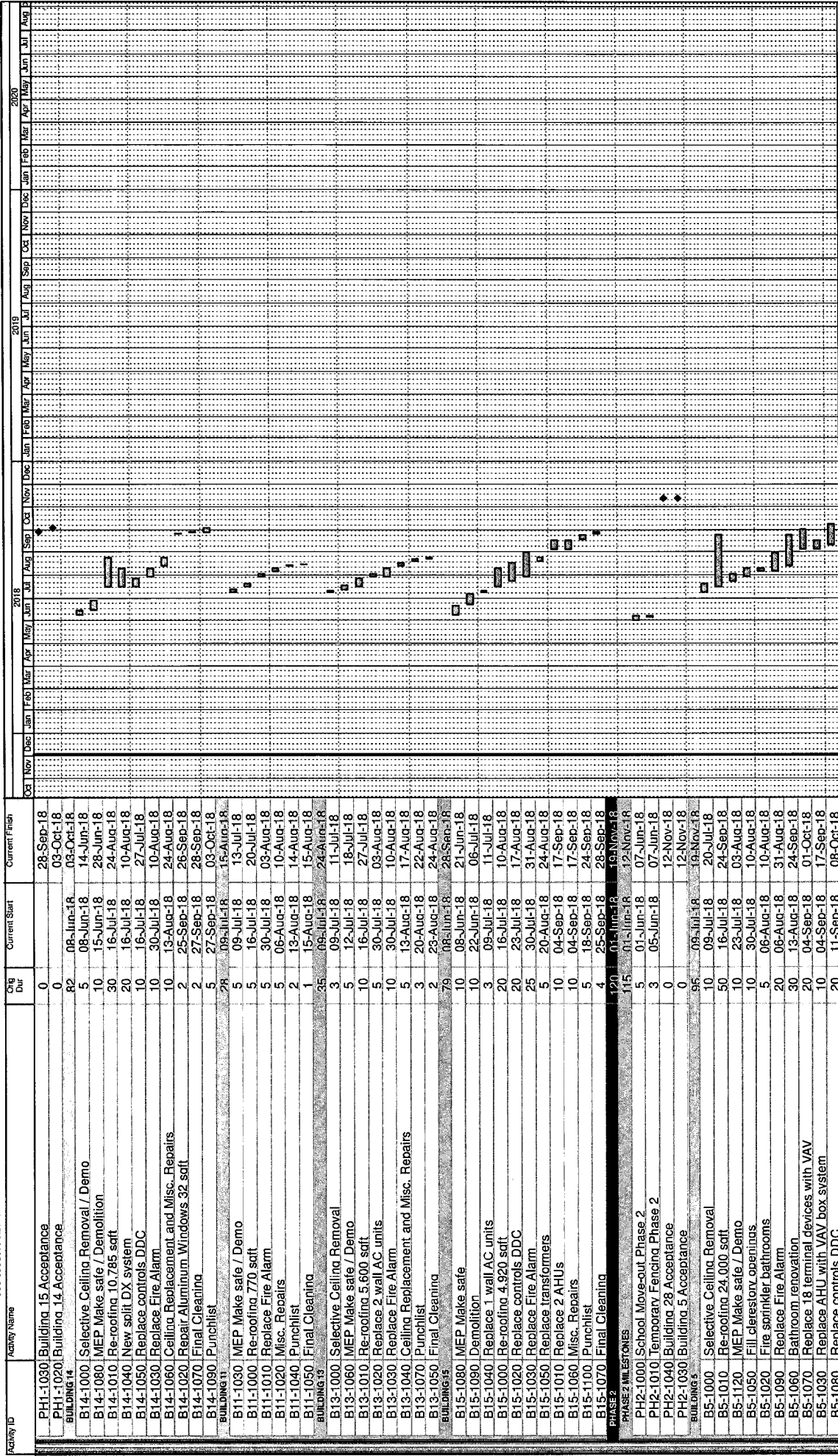



Finish Date: 31-Aug-20  
 Data Date: 04-Dec-17  
 Run Date: 06-Feb-18 19:12  
 Page 2 of 8  
 SSHS GMP2

STRANAHAN HIGH SCHOOL - ITB  
 April 14, 2018 Page 39 of 45



ATTACHMENT V - THE CONSTRUCTION SCHEDULE





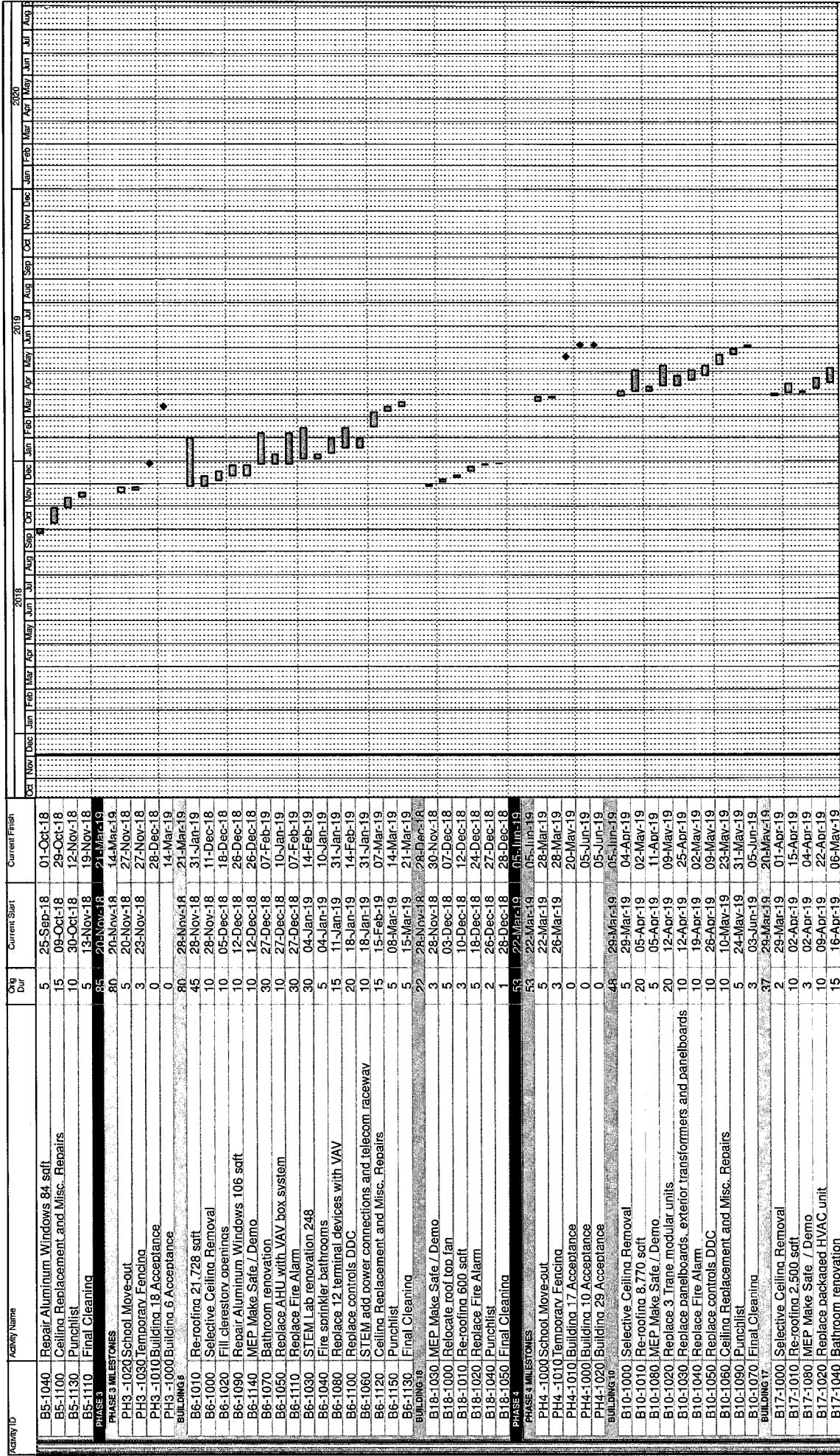
**STRANAHAN HIGH SCHOOL - ITB**


April 14, 2018 Page 40 of 45

Finish Date: 31-Aug-20  
 Data Date: 04-Dec-17  
 Run Date: 06-Feb-18 19:12  
 Page 3 of 8  
 SSSH GMP2

Remaining Level of Effort  
 Actual Level of Effort  
 Actual Work  
 Remaining Work  
 Critical Remaining Work  
 Summary Milestones  
 Critical Milestones  
 Milestones

ATTACHMENT V - THE CONSTRUCTION SCHEDULE





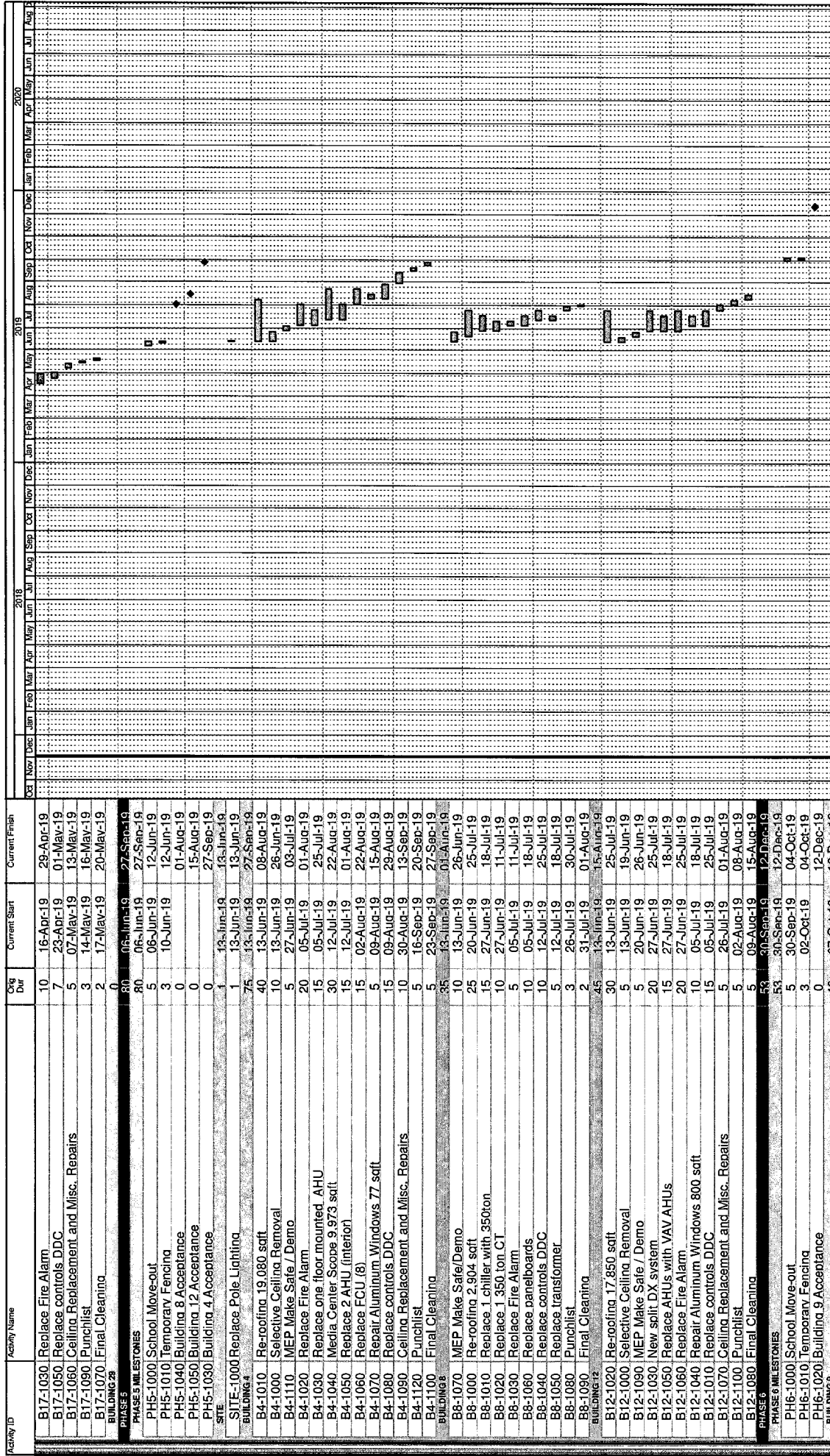
**STRANAHAN HIGH SCHOOL - ITB**

April 14, 2018 Page 41 of 45

Finish Date: 31-Aug-20  
 Date Date: 04-Dec-17  
 Run Date: 06-Feb-18 19:12  
 Page 4 of 8  
 SSSHs GMP2

◆ Critical Milestones  
 ◆ Actual Level of Effort  
 ◆ Milestones  
 ◆ Remaining Work  
 ◆ Critical Remaining Work  
 ◆ Summary Milestones

ATTACHMENT V - THE CONSTRUCTION SCHEDULE



Finish Date: 31-Aug-20  
 Data Date: 04-Dec-17  
 Run Date: 06-Feb-19 19:12  
 Page 5 of 8  
 SSHS GMP2

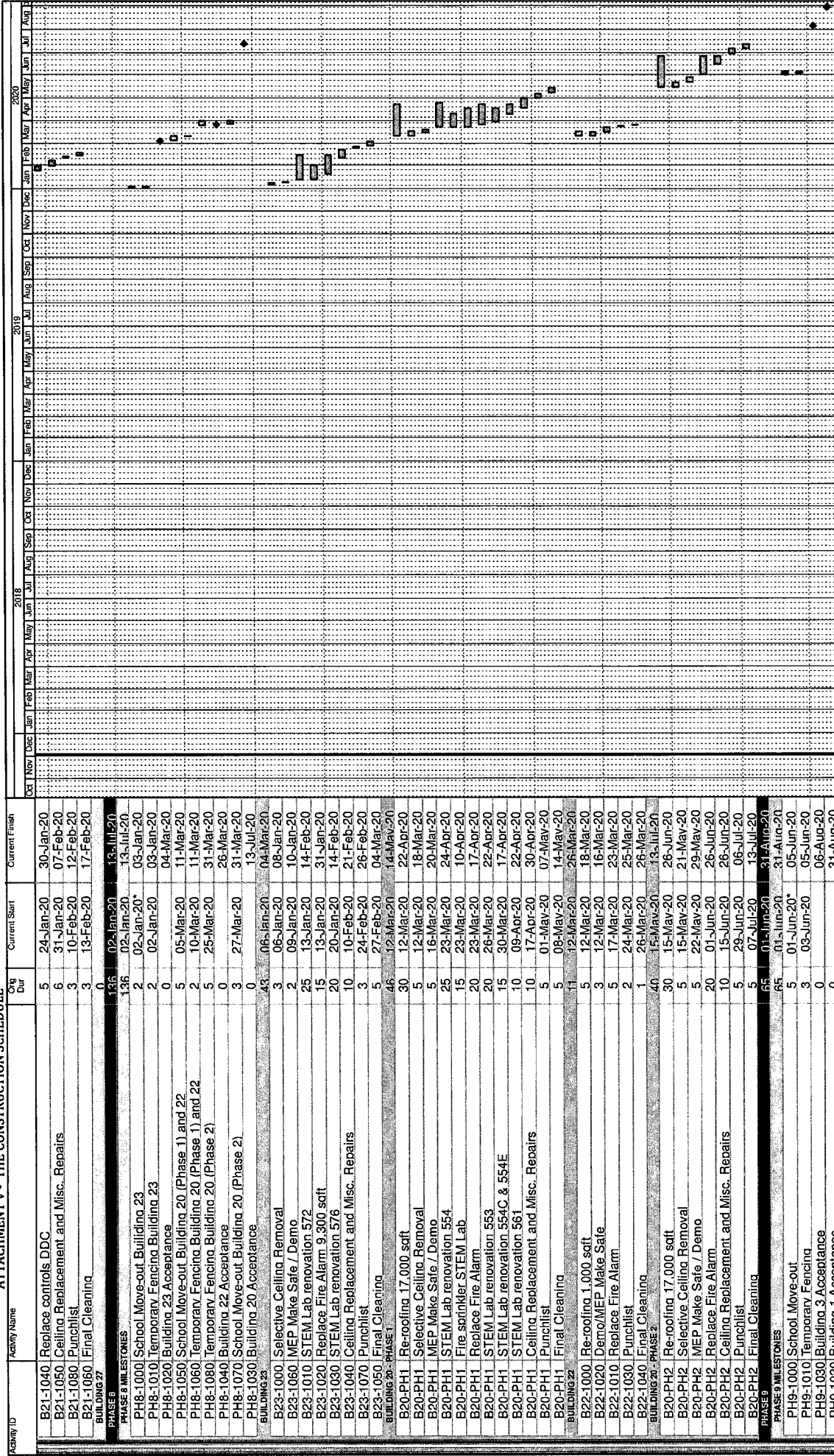
**STRANAHAN HIGH SCHOOL - ITB**

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ATTACHMENT V - THE CONSTRUCTION SCHEDULE



Finish Date: 31-Aug-20  
 Date Date: 04-Dec-17  
 Run Date: 06-Feb-18 13:12  
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 SSHS GMP2

**STRANAHAN HIGH SCHOOL - ITB**

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**EXHIBIT 3**

**COLLABORATION**

**SIGN-OFF FORM**

**Item #/Title of Agenda Request Item:** JJ-7./ Second GMP Amendment to Construction Services Agreement  
Gilbane Building Company  
Stranahan High School, Fort Lauderdale  
SMART Program Renovations  
Project No. P.001683

**School Board Meeting:** 4/24/2018

**The financial impact of this item is** \$24,280,108

- ( ) This project has not been appropriated in the Adopted District Educational Facilities Plan (September 6, 2017). These funds in the amount of \$\_\_\_\_\_ will come from the Capital Projects Reserve.
- ( ) This project has been appropriated in the Adopted District Educational Facilities Plan (September 6, 2017). There is no impact to the project budget.
- ( ) This project has been appropriated in the Adopted District Educational Facilities Plan (September 6, 2017). There is no current impact to the project budget. There is a potential future impact to the project budget based on the additional scope approved in this item.
- This project has been appropriated in the Adopted District Educational Facilities Plan (September 6, 2017). There is an additional impact to the project budget. These funds in the amount of \$13,710,000 will come from the Capital Projects Reserve.
- ( ) **Comments:**

Department Name

Department Head

Department Head

Capital Budget

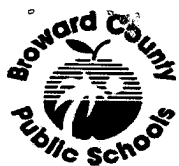
Omar Shim, Director

  
Signature

4/16/2018  
Date

**Note:** By signing this collaboration the Capital Budget Department is acknowledging that the budget impact as stated is correct. Other aspects of the agenda item are the responsibility of the department submitting the item.





ADDED ITEM

# AGENDA REQUEST FORM

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ITEM No.:

JJ-7.

MEETING DATE 2018-04-24 10:05 - Regular School Board Meeting

AGENDA ITEM ITEMS

CATEGORY JJ. OFFICE OF FACILITIES & CONSTRUCTION

DEPARTMENT Facilities Construction

Special Order Request

Yes  No

Time

Open Agenda

Yes  No

TITLE:

Second GMP Amendment to the Construction Services Agreement - Gilbane Building Company - Stranahan High School - Fort Lauderdale - SMART Program Renovations - Project No. P.001683

REQUESTED ACTION:

Approve Second GMP Amendment to the Construction Services Agreement dated November 1, 2016 with Gilbane Building Company, Stranahan High School, SMART Program Renovations, Project No. P.001683, approve the use of CDI/Subguard, and approve additional funding in the amount of \$13,710,000.

SUMMARY EXPLANATION AND BACKGROUND:

See Exhibit 1 for details.

This Amendment has been reviewed and approved as to form and legal content by the Office of the General Counsel.

SCHOOL BOARD GOALS:

Goal 1: High Quality Instruction  Goal 2: Continuous Improvement  Goal 3: Effective Communication

FINANCIAL IMPACT:

The financial impact of approving this Second GMP Amendment is \$24,280,108. This project has been appropriated in the Adopted District Educational Facilities Plan (September 6, 2017). There is an additional impact to the project budget. These funds in the amount of \$13,710,000 will come from the Capital Projects Reserve.

EXHIBITS: (List)

(1) Executive Summary (2) Second GMP Amendment (3) Collaboration Form

BOARD ACTION:

(For Official School Board Records Office Only)

SOURCE OF ADDITIONAL INFORMATION:

Name: Frank Girardi, Director

Phone: (754) 321-1525

Name: Robert C. Corbin, CBRE | Heery Director

Phone: (754) 321-4850

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA  
Senior Leader & Title

Leo Bobadilla - Chief Facilities Officer

Signature

Leo Bobadilla Jr

4/20/2018 1:48:08 PM

Approved In Open Board Meeting On:

APR 24 2018

By:

School Board Chair

Electronic Signature

Form #4189 Revised 08/04/2017

RWR/ LB/FG/RC:dch