



# AGENDA REQUEST FORM

## THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ITEM No.:  
JJ-3.

MEETING DATE	2019-02-05 10:05 - School Board Operational Meeting
AGENDA ITEM	ITEMS
CATEGORY	JJ. OFFICE OF FACILITIES & CONSTRUCTION
DEPARTMENT	Facilities Construction

Special Order Request <input type="radio"/> Yes <input checked="" type="radio"/> No
Time
Open Agenda <input checked="" type="radio"/> Yes <input type="radio"/> No

**TITLE:**  
GMP Amendment 1 to the Construction Services Agreement - James B. Pirtle Construction Co., Inc. d/b/a Pirtle Construction Company - Nova High School - Davie - SMART Program Renovations - Project No. P.001817

**REQUESTED ACTION:**  
Approve GMP Amendment 1 to the Construction Services Agreement (Construction Management at Risk) dated June 13, 2017 (Agenda Item JJ-2) with Pirtle Construction Company, Nova High School, SMART Program Renovations, Project No. P.001817, in the amount of \$25,422,614, approve the reallocation of \$702,269 from Nova Middle School to Nova High School, and approve additional funding in the amount of \$11,291,476.

**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 GMP Amendment 1 is \$25,422,614. This project has been appropriated in the Adopted District Educational Facilities Plan (September 5, 2018). There is an additional impact to the project budget. These funds in the amount of \$702,269 will come from Nova Middle School Project No. P.002027 for the Fire Sprinklers, and \$11,291,476 will come from the Capital Projects Reserve.

**EXHIBITS: (List)**  
(1) Executive Summary (2) ADEFP Pages (3) GMP Amendment 1 (4) Professional Services Consultant Letter (5) Collaboration Form

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

SOURCE OF ADDITIONAL INFORMATION:	
Name: Phil D. Kaufold, Task Asgd. Director Constr.	Phone: 754-321-1532
Name: Daniel Jardine, CBRE   Heery Director	Phone: 754-321-4850

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**  
Senior Leader & Title  
MaryAnn May - Task Assigned Chief Facilities Officer

Approved In Open Board Meeting On: **FEB 05 2019**  
By: *Heather P. Brinkwood*  
School Board Chair

Signature  
*Frank L. Girardi*  
1/29/2019, 3:05:34 PM

**EXHIBIT 1**

**EXECUTIVE SUMMARY**

**GMP Amendment 1 to the Construction Services Agreement  
James B. Pirtle Construction Co., Inc. d/b/a Pirtle Construction Company  
Nova High School, Davie  
SMART Program Renovations  
Project No. P.001817**

**PROJECT OVERVIEW:**

<b>Type of Contract:</b>	<b>Construction Services Agreement - Construction Management at Risk (CMAR)</b>
<b>Contractor:</b>	<b>Pirtle Construction Company</b>
<b>Notice to Proceed Date:</b>	<b>Pending Board Approval</b>
<b>Budget:</b>	<b>See Below</b>

**GENERAL OVERVIEW:**

The Construction Services Agreement (Construction Manager for Construction Management at Risk Services) for Nova High School with Pirtle Construction Company was approved by the Board at the June 13, 2017 meeting (Agenda Item JJ-2).

The purpose of the Guaranteed Maximum Price (GMP) Amendment 1 is to establish \$25,422,614 as the GMP for the SMART Program improvements.

The scope of work associated with GMP Amendment 1 includes, but is not limited to, safety/security upgrade, fire sprinklers, fire alarm, music room renovation, art room renovation and equipment, building envelope improvements (to include re-roofing of Buildings 1, 2, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 32, 33, 34, and 37), STEM lab improvements, media center improvements including ADA restroom renovations, HVAC improvements, and electrical improvements. Due to the unique layout of this campus and the proximity of Nova Middle School, fire sprinkler and fire alarm scopes for both schools need to be done at the same time. These scopes have been included in the Nova High School Construction Documents.

Pursuant to the process for securing bids and in order to determine the GMP Amendment 1 amount, bids were received and opened on November 26, 2018. GMP Amendment 1, as submitted by Pirtle Construction Company, in accordance with Article 6 of the CMAR Agreement, has been received and is recommended for acceptance and approval in the amount of \$25,422,614.

Included in the GMP Amendment 1 is a Construction Contingency of \$985,405 which is customary under the CMAR delivery model and allowed by the Construction Contract Agreement. Procedures and expenditures related to the use of the Contingency included in GMP Amendment 1 shall comply with the CMAR Agreement Section 6.1.1 and Specification Section 01250h Contract Modification Procedures.

GMP Amendment 1, as submitted by Pirtle Construction Company, exceeds the available funds and requires additional funding to proceed with the SMART Program Renovations. CBRE | Heery recommends the Board approve the reallocation of \$702,269 from Nova Middle School Project No. P.002027 for the Fire Sprinklers, and additional funding of \$11,291,476 from Capital Projects Reserve. With Board approval of these additional funds, the revised overall budget for the SMART Program Renovations at Nova High School will be \$31,826,745.

The original FLCC for the project was \$14M. The major scopes were HVAC Improvements (43%), Building Envelope (18%), and Electrical Improvements (13%). The budgetary pressures are mainly from the Building Envelope with an overage of \$9M from the original MAPPS budget of approximately \$3.5M. The Electrical Improvements have also exceeded the original MAPPS budget of \$2.6M by \$2M.

The M/WBE goal for this project is 25% at the Construction Management level (Pre-Construction and Construction) and 35% at the Sub-Contractor level. The Procurement & Warehousing Services Department/Supplier Diversity Outreach Program has conducted a review of the required documentation and has determined that the current Construction Management M/WBE participation commitment is 26% and that the current Sub-Contractor M/WBE participation commitment is 46.79%.

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](#).

## Nova Middle School

### Adopted District Educational Facilities Plan

Project	Program Year 1	Program Year 2	Program Year 3	Program Year 4	Program Year 5	Total	Scope
There are no DEFP projects for this location.							

### SMART Program

Project	Program Year 1	Program Year 2	Program Year 3	Program Year 4	Program Year 5	Total	Scope
Safety & Security			903,000			903,000	Fire Sprinklers for both Middle and High Schools
			200,731 - See Note 1			200,731	
Music & Art			85,000			85,000	Art Room Renovation and Equipment
Music & Art			284,000			284,000	Conversion of Existing Space to Music and/or Art Lab(s)
Renovation			746,000			746,000	HVAC Improvements
Renovation			1,487,000			1,487,000	Building Envelope Improvements (Roof, Window, Ext Wall, etc.)
<b>SMART Sub-Total</b>			<b>3,505,000</b>			<b>3,505,000</b>	
			<b>2,802,731</b>			<b>2,802,731</b>	

### Completed

Project	Program Year 1	Program Year 2	Program Year 3	Program Year 4	Program Year 5	Total	Scope
SMART	200,000					200,000	Technology Infrastructure (Servers, Racks, etc.) Upgrade
SMART			100,000			100,000	School Choice Enhancement
SMART	62,000					62,000	Additional computers to close computer gap
SMART	3,000					3,000	CAT 6 Data port Upgrade
SMART	48,000					48,000	Wireless Network Upgrade
SMART			100,000			100,000	Music Equipment Replacement
<b>Complete Sub-Total</b>	<b>313,000</b>		<b>200,000</b>			<b>513,000</b>	
<b>School Total</b>	<b>313,000</b>	<b>0</b>	<b>3,705,000</b>	<b>0</b>	<b>0</b>	<b>4,018,000</b>	
			<b>3,002,731</b>			<b>3,315,731</b>	

**Note 1:** Funds in the amount of \$903,000 were originally allocated for the fire sprinkler scope of work at Nova Middle School (P.002027). It was determined that funds in the amount of \$702,269 be moved to Nova High School budget. These two schools share the same campus and are situated side-by-side. The fire sprinkler scopes for both the Middle and High Schools shall be performed by Nova High School's Construction Manager (CM), and both shall be under Project No. P.001817.

NOTE: Funding provided for all schools to achieve the district standard for Single Point of Entry.

# Nova High School

## Adopted District Educational Facilities Plan

Project	Program Year 1	Program Year 2	Program Year 3	Program Year 4	Program Year 5	Total	Scope
There are no DEFP projects for this location.							

### SMART Program

Project	Program Year 1	Program Year 2	Program Year 3	Program Year 4	Program Year 5	Total	Scope
Safety & Security		570,000				570,000	Safety / Security Upgrade
Safety & Security		702,269 - See Note 1				702,269	Fire Sprinklers for both Middle and High Schools
Safety & Security		1,259,000				1,259,000	Fire Alarm
Music & Art		713,000				713,000	Music Room Renovation
Music & Art			110,000			110,000	Art Room Renovation and Equipment
Renovation		3,544,000				3,544,000	Building Envelope Improvements (Roof, Window, Ext Wall, etc.)
Renovation		1,689,000				1,689,000	STEM Lab improvements
Renovation		543,000				543,000	Media Center improvements
Renovation		8,493,000				8,493,000	HVAC Improvements
Renovation		2,642,000				2,642,000	Electrical Improvements
SMART Sub-Total		19,453,000 20,158,269	110,000			19,563,000 20,168,269	

### Completed

Project	Program Year 1	Program Year 2	Program Year 3	Program Year 4	Program Year 5	Total	Scope
SMART		100,000				100,000	School Choice Enhancement
SMART	58,000					58,000	Wireless Network Upgrade
SMART		121,000				121,000	Weight Room Renovation
SMART	270,000					270,000	Technology Infrastructure (Servers, Racks, etc.) Upgrade
SMART	501,000					501,000	Additional computers to close computer gap
SMART	33,000					33,000	CAT 6 Data port Upgrade
SMART		300,000				300,000	Music Equipment Replacement
Complete Sub-Total	862,000	521,000				1,383,000	
School Total	862,000	19,974,000 20,679,269	110,000	0	0	20,946,000 21,651,269	

**Note 1: Funds in the amount of \$702,269 for fire sprinkler scope at Nova Middle School (P.002027) were moved to Nova High School. These two schools share the same campus and are situated side-by-side. The fire sprinkler scopes for both the Middle and High Schools shall be performed by Nova High School's Construction Manager (CM), and both shall be under Project No. P.001817.**

NOTE: Funding provided for all schools to achieve the district standard for Single Point of Entry.

# NOVA HIGH SCHOOL RENOVATIONS

## GUARANTEED MAXIMUM PRICE PROPOSAL

PROJECT NO. P.001817



FEBRUARY 5, 2019



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

**GMP #1 AMENDMENT**

THIS GMP AMENDMENT, made and entered into as of this 5<sup>th</sup> day of **February, 2019**, (“GMP Amendment”) amends that certain Agreement between Owner (The School Board of Broward County, Florida) and Construction Manager (**James B. Pirtle Construction Co., Inc. DBA Pirtle Construction Company**), made as of the 13<sup>th</sup> day of **June, 2017** for the following described project: **Nova High School Renovations, P.001817** SMART Program Renovations, (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 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 Amendment and the terms of the Contract Documents are in conflict, the terms of this GMP Amendment shall govern and control. The terms used herein, unless otherwise defined in this GMP 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 construction shall be as indicated in the Notice To Proceed. The Construction Manager shall achieve Substantial Completion of the entire Work not later than **867**

**calendar days** from the Date of Commencement (the "Contract Time") and final completion not later than **60** 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 this 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 entire 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 the Project is hereby guaranteed by the Construction Manager not to exceed the sum of **Twenty Five Million Four Hundred Twenty Two Thousand Six Hundred Fourteen Dollars (\$25,422,614.00)** (the "Project GMP"), based upon the entire Scope of Work 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 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 guarantee maximum price is the amount of **Nine Hundred Eighty Five Thousand Four Hundred Five Dollars (\$985,405.00)**.
- .4 Whether or not the Construction or Contract Documents enumerated in the Attachments to this GMP Amendment have actually been completed to the level of 50% or 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 reference 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 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 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 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 Amendment by the Owner, as set forth in the General Conditions of the Contract for Construction.

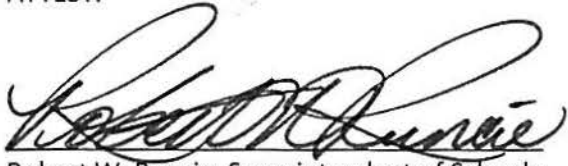
- .12 Except as expressly provided herein above, all of the terms, conditions, covenants, agreements and understandings contained in the Contract Documents shall remain unchanged and in full force and effect, and the same are hereby expressly ratified and confirmed by the Owner and the Construction Manager.
- .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.

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

(Corporate Seal)



ATTEST:

  
Robert W. Runcie, Superintendent of Schools

THE SCHOOL BOARD OF BROWARD  
COUNTY, FLORIDA

By   
Heather P. Brinkworth, Chair

Approved as to Form and Legal Content:

  
Office of the General Counsel

**FOR James B. Pirtle Construction Company, Inc.**  
**DBA Pirtle Construction Company**



**James B. Pirtle Construction Company, Inc.**  
**DBA Pirtle Construction Company**

Darren Lipman  
DARRELL LIPMAN, Secretary

-or-

Doug Weels  
Witness DOUG WHEELS

Mitchell Espinosa  
Witness MITCHELL ESPINOSA

By Mike Geary  
Signature

Printed Name: Mike Geary

Title: President

**ATTACHMENTS**

ATTACHMENT I - CONTRACT DOCUMENTS - THE DRAWINGS

ATTACHMENT II - CONTRACT DOCUMENTS - THE SPECIFICATIONS

ATTACHMENT III - CONTRACT DOCUMENTS - ADDITIONAL CONTRACT DOCUMENTS

ATTACHMENT IV - CONTRACT DOCUMENTS - SALARY AND WAGE SCHEDULE

ATTACHMENT V - CONTRACT DOCUMENTS – THE CONSTRUCTION SCHEDULE

**END OF EXHIBIT “A”**

**NOVA HIGH SCHOOL**  
**PROJECT NO. P.001817**  
**GMP SET**

**Drawing Log**

Revision Summary  
 Permit Set – 5/30/2018  
 Revision 1 – 8/31/2018  
 Revision 2 – 10/18/2018  
 Revision 3 – 10/31/2018  
 Revision 4 – 11/15/2018

SHEET	DESCRIPTION	
<b>GENERAL</b>		
GN-000	COVER SHEET	05/30/2018
GN-001	SHEET INDEX	11/15/2018
GN-002	GENERAL NOTES	8/31/2018
GN-400	ADULT ADA DETAILS	8/31/2018
<b>CIVIL</b>		
C-01	CIVIL FIRE LINE PLANS	11/15/2018
C-02	CIVIL FIRE LINE PLANS	11/15/2018
C-03	CIVIL FIRE LINE PLANS	11/15/2018
C-04	DETAILS AND SPECIFICATIOINS	11/15/2018
C-05	DETAILS AND SPECIFICATIOINS	11/15/2018
C-06	DETAILS AND SPECIFICATIOINS	11/15/2018
<b>ARCHITECTURAL</b>		
FLS01-000	BUILDINGS 1, 5, 6, 9, 11 & 12 LIFE SAFETY PLANS	10/31/2018
FLS02-000	BUILDINGS 3, 4, 7, 8, 25, 26 & 30 LIFE SAFETY PLANS	8/31/2018
FLS03-000	BUILDINGS 13, 14 & 16 LIFE SAFETY PLANS	8/31/2018
FLS04-000	BUILDINGS 15, 17, 32, AND 33 - LIFE SAFETY PLANS	8/31/2018
FLS05-000	BUILDINGS 31, 34, 35, 36, 37, 38 AND 39 LIFE SAFETY PLANS	8/31/2018
PH-100	PHASING PLAN	10/18/2018
A-100	DEFICIENCY CAMPUS SITE PLAN	10/18/2018

A-101	CAMPUS ROOF PLAN	10/18/2018
<b>ARCHITECTURAL (CONTINUED)</b>		
A01-101	BUILDING #1- FLOOR PLAN/ RCP	10/31/2018
A01-102	BUILDING #1- REROOFING- DEMO ROOF & ROOF PLAN	8/31/2018
A02-101	BUILDING #2- FLOOR PLAN & RCP	10/31/2018
A02-111	BUILDING #2 - REROOFING - DEMO ROOF PLAN AND ROOF PLAN	8/31/2018
A03-102	BUILDING #3 - FLOOR PLAN	10/31/2018
A03-122	BUILDING #3 - RCP	10/31/2018
A04-101	BUILDING #4 - FLOOR PLAN	10/31/2018
A04-121	BUILDING #4 - RCP	10/31/2018
A05-101	BUILDING #5 - FLOOR PLAN (EAST)	10/31/2018
A05-102	BUILDING #5 - FLOOR PLAN (WEST)	10/31/2018
A05-121	BUILDING #5 - REFLECTED CEILING PLAN (EAST)	10/31/2018
A05-122	BUILDING #5 - REFLECTED CEILING PLAN (WEST)	10/31/2018
A05-123	BUILDING #5 - REFLECTED CEILING PLAN CANOPY	10/31/2018
A05-131	BUILDING #5 - ROOF PLAN	8/31/2018
A05-400	BUILDING #5 - PLUMBING FIXTURE CALCULATION	5/30/2018
A05-401	BUILDING #5 - ADA RESTROOM RENOVATION - ENLARGED PLAN & INTERIOR ELEVATIONS	8/31/2018
A05-402	BUILDING #5 - ADA RESTROOM RENOVATION - ENLARGED PLAN & INTERIOR ELEVATIONS	8/31/2018
A06-101	BUILDING #6- FLOOR PLAN	10/31/2018
A06-111	BUILDING #6 - REROOFING- DEMO ROOF PLAN	5/30/2018
A06-112	BUILDING #6 - REROOFING- ROOF PLAN	8/31/2018
A06-121	BUILDING #6- RCP	10/31/2018
A06-411	BUILDING #6- STEM LAB- ENLARGED PLAN - DEMO	10/18/2018
A06-412	BUILDING #6- STEM LAB- ENLARGED PLAN	5/30/2018
<b>ARCHITECTURAL (CONTINUED)</b>		
A06-413	BUILDING #6- ART CLASSROOM- ENLARGED PLAN	8/31/2018

A07-102	BUILDING #7 - FLOOR PLAN AND REFLECTED CEILING PLAN	10/31/2018
A08-102	BUILDING #8 - FLOOR PLAN	10/31/2018
A08-122	BUILDING #8 - RCP	10/31/2018
A09-101	BUILDING #9 - FLOOR PLAN AND REFLECTED CEILING PLAN	10/31/2018
A10-101	BUILDING #10 - FLOOR PLAN, RCP, & ROOF PLAN	10/31/2018
A11-101	BUILDING #11- FLOOR PLAN & RCP	10/31/2018
A11-111	BUILDING #11 - REROOFING - DEMO ROOF PLAN	5/30/2018
A11-112	BUILDING #11 - REROOFING - ROOF PLAN	8/31/2018
A12-101	BUILDING #12 - FLOOR PLAN	10/31/2018
A12-111	BUILDING #12 - REROOFING - DEMO ROOF PLAN	8/31/2018
A12-112	BUILDING #12 - REROOFING - ROOF PLAN	8/31/2018
A12-121	BUILDING #12- RCP	10/31/2018
A12-401	BUILDING #12- ENLARGED REFLECTED CEILING PLANS	5/30/2018
A13-101	BUILDING #13 - FLOOR PLAN	10/31/2018
A13-111	BUILDING #13 - REROOFING - DEMO ROOF PLAN	5/30/2018
A13-112	BUILDING #13 - REROOFING - ROOF PLAN	8/31/2018
A13-121	BUILDING #13 - RCP	10/31/2018
A14-101	BUILDING #14 - FLOOR PLAN	10/31/2018
A14-111	BUILDING #14 - REROOFING - DEMO ROOF PLAN	5/30/2018
A14-112	BUILDING #14 - REROOFING - ROOF PLAN	8/31/2018
A14-121	BUILDING #14 - RCP	10/31/2018
A14-400	BUILDING #14 - PLUMBING FIXTURE CALCULATION	5/30/2018
A14-401	BUILDING #14 - ADA RESTROOM RENOVATION - ENLARGED PLAN	8/31/2018
<b>ARCHITECTURAL (CONTINUED)</b>		
A14-402	BUILDING #14 - ADA RESTROOM RENOVATION - ENLARGED PLAN	8/31/2018
A14-421	BUILDING #14 - DEMO MEDIA CENTER	5/30/2018
A14-422	BUILDING #14 - MEDIA CENTER	5/30/2018



A15-101	BUILDING #15- FLOOR PLAN	10/31/2018
A15-111	BUILDING #15 - REROOFING - DEMO ROOF PLAN AND ROOF PLAN	8/31/2018
A15-431	BUILDING #15- MUSIC ROOM RENOVATION - FLOOR PLANS	10/18/2018
A15-432	BUILDING #15- MUSIC ROOM RENOVATION - REFLECTED CEILING PLANS	8/31/2018
A15-433	BUILDING #15- VOCAL MUSIC ROOM RENOVATION - FLOOR PLANS	10/18/2018
A15-434	BUILDING #15- MUSIC ROOM RENOVATION - INTERIOR ELEVATIONS	10/18/2018
A15-435	BUILDING #15- BAND ROOM RENOVATION - CASEWORK ELEVATIONS AND DETAILS	8/31/2018
A16-101	BUILDING #16- FLOOR PLAN	10/31/2018
A16-111	BUILDING #16 - REROOFING- DEMO ROOF PLAN	5/30/2018
A16-112	BUILDING #16 - REROOFING- ROOF PLAN	8/31/2018
A16-121	BUILDING #16- RCP	10/31/2018
A16-401	BUILDING #16- STEM LAB- ENLARGED PLAN	5/30/2018
A17-101	BUILDING #17 - FLOOR PLAN	10/31/2018
A17-111	BUILDING #17 - REROOFING -DEMO ROOF PLAN	5/30/2018
A17-112	BUILDING #17 - REROOFING - ROOF PLAN	8/31/2018
A17-121	BUILDING #17 - RCP	10/31/2018
A17-400	BUILDING #17 - PLUMBING FIXTURE CALCULATION	5/30/2018
A17-401	BUILDING #17 - ADA RENOVATION #390 - RESTROOM ENLARGED PLAN & INTERIOR ELEVATIONS	8/31/2018
A17-402	BUILDING #17 - ADA RENOVATION #391 - RESTROOM ENLARGED PLAN & INTERIOR ELEVATIONS	8/31/2018
A17-413	BUILDING #17 - STEM LAB - ENLARGED PLAN	5/30/2018
<b>ARCHITECTURAL (CONTINUED)</b>		
A18-101	BUILDING #18 & #19 - FLOOR PLAN	10/31/2018
A18-111	BUILDING #18 - REROOFING - DEMO ROOF PLAN	5/30/2018
A18-112	BUILDING #18 - REROOFING - ROOF PLAN	8/31/2018
A18-121	BUILDING #18 & #19 - RCP	10/31/2018
A25-101	BUILDING #25 - FLOOR PLAN & RCP	10/31/2018
A26-101	BUILDING #26 - FLOOR PLAN, RCP, ROOF PLAN	10/31/2018



A27-102	BUILDING #27 - FLOOR PLAN AND REFLECTED CEILING PLAN	10/31/2018
A30-102	BUILDING #30 - FLOOR PLAN	10/31/2018
A31-101	BUILDING #31 - FLOOR PLAN	10/31/2018
A32-101	BUILDING #32 - FLOOR PLAN (WEST)	10/31/2018
A32-102	BUILDING #32 - FLOOR PLAN (EAST)	10/31/2018
A32-111	BUILDING #32 - REROOFING - DEMO ROOF PLAN	5/30/2018
A32-112	BUILDING #32 - REROOFING - ROOF PLAN	8/31/2018
A32-121	BUILDING #32- RCP	10/31/2018
A33-101	BUILDING #33 - FLOOR PLAN	10/31/2018
A33-111	BUILDING #33 - REROOFING - DEMO ROOF PLAN	5/30/2018
A33-112	BUILDING #33 - REROOFING - ROOF PLAN	8/31/2018
A33-121	BUILDING #33 - RCP	10/31/2018
A34-101	BUILDING #34 - FLOOR PLAN	10/31/2018
A34-111	BUILDING #34 - REROOFING - DEMO ROOF PLAN	5/30/2018
A34-112	BUILDING #34 - REROOFING - ROOF PLAN	8/31/2018
A34-121	BUILDING #34 - RCP	10/31/2018
A35-102	BUILDING #35, 36 - FLOOR PLAN AND RELFECTED CEILING PLAN	10/31/2018
A37-101	BUILDING #37- FLOOR PLAN, RCP	10/31/2018
<b>ARCHITECTURAL (CONTINUED)</b>		
A37-111	BUILDING #37 - REROOFING - DEMO ROOF PLAN AND ROOF PLAN	8/31/2018
A38-101	BUILDING #38- FLOOR PLAN	10/31/2018
A38-111	BUILDING #38- REROOFING - ROOF PLAN	10/18/2018
A38-121	BUILDING #38- RCP	10/31/2018
A39-101	BUILDING #39 - FIRST FLOOR PLAN	10/31/2018
A39-102	BUILDING #39 - SECOND FLOOR PLAN	10/31/2018
A-501	GENERAL DETAILS	10/31/2018
A-502	GENERAL DETAILS	10/31/2018

A-601	DOOR SCHEDULE	10/31/2018
A-701	PARTITION TYPES	10/31/2018
A-705	PENETRATION DETAILS	5/30/2018
A-801	ROOFING DETAILS	10/31/2018
A-802	ROOFING DETAILS	10/31/2018
A-803	ROOFING DETAILS	10/31/2018
A-804	ROOFING DETAILS	10/31/2018
A-805	ROOFING DETAILS	10/31/2018
<b>STRUCTURAL</b>		
S00-001	STRUCTURAL NOTES	5/30/2018
S00-201	TYPICAL SECTIONS AND DETAILS	8/31/2018
S00-202	TYPICAL SECTIONS AND DETAILS	10/31/2018
S00-203	TYPICAL SECTIONS AND DETAILS	10/18/2018
S01-001	ROOF WIND PRESSURE DIAGRAM BUILDING #1	5/30/2018
S01-111	ROOF PLAN BUILDING #1	5/30/2018
S02-001	ROOF WIND PRESSURE DIAGRAM BUILDING #2	5/30/2018
<b>STRUCTURAL (CONTINUED)</b>		
S02-111	ROOF PLAN BUILDING #2	5/30/2018
S05-001	ROOF WIND PRESSURE DIAGRAM BUILDING #5	5/30/2018
S05-101	FLOOR PLAN AND WIND PRESSURE DIAGRAM BUILDING #5	10/18/2018
S05-111	ROOF PLAN BUILDING #5	5/30/2018
S06-001	ROOF WIND PRESSURE DIAGRAM BUILDING #6	5/30/2018
S06-111	ROOF PLAN BUILDING #6	8/31/2018
S09-101	FLOOR PLAN AND WIND PRESSURE DIAGRAM BUILDING #09	5/30/2018
S10-001	ROOF WIND PRESSURE DIAGRAM BUILDING #10	5/30/2018
S10-111	ROOF PLAN BUILDING #10	5/30/2018
S11-001	ROOF WIND PRESSURE DIAGRAM BUILDING #11	5/30/2018

S11-111	ROOF PLAN BUILDING #11	5/30/2018
S12-001	ROOF WIND PRESSURE DIAGRAM BUILDING #12	5/30/2018
S12-111	ROOF PLAN BUILDING #12	5/30/2018
S13-001	ROOF WIND PRESSURE DIAGRAM BUILDING #13	5/30/2018
S13-111	ROOF PLAN BUILDING #13	5/30/2018
S14-001	ROOF WIND PRESSURE DIAGRAM BUILDING #14	5/30/2018
S14-101	FLOOR PLAN BUILDING #14	8/31/2018
S14-111	ROOF PLAN BUILDING #14	5/30/2018
S15-001	ROOF WIND PRESSURE DIAGRAM BUILDING #15	5/30/2018
S15-101	FLOOR PLANS BUILDING #15	8/31/2018
S15-111	ROOF PLAN BUILDING #15	8/31/2018
S16-001	ROOF WIND PRESSURE DIAGRAM BUILDING #16	5/30/2018
S16-111	ROOF PLAN BUILDING #16	5/30/2018
S17-001	ROOF WIND PRESSURE DIAGRAM BUILDING #17	5/30/2018
<b>STRUCTURAL (CONTINUED)</b>		
S17-101	FLOOR PLAN BUILDING #17	8/31/2018
S17-111	ROOF PLAN BUILDING #17	5/30/2018
S18-001	ROOF WIND PRESSURE DIAGRAM BUILDING #18	5/30/2018
S18-111	ROOF PLAN BUILDING #18	5/30/2018
S26-001	ROOF WIND PRESSURE DIAGRAM BUILDING #26	5/30/2018
S32-001	ROOF WIND PRESSURE DIAGRAM BUILDING #32	5/30/2018
S32-111	ROOF PLAN BUILDING #32	8/31/2018
S33-001	ROOF WIND PRESSURE DIAGRAM BUILDING #33	5/30/2018
S33-101	FLOOR PLAN BUILDING #33	5/30/2018
S33-111	ROOF PLAN BUILDING #33	5/30/2018
S34-001	ROOF WIND PRESSURE DIAGRAM BUILDING #34	5/30/2018
S34-111	ROOF PLAN BUILDING #34	5/30/2018



S37-001	ROOF WIND PRESSURE DIAGRAM BUILDING #37	5/30/2018
S37-111	ROOF PLAN BUILDING #37	8/31/2018
S38-001	ROOF WIND PRESSURE DIAGRAM BUILDING #38	5/30/2018
S38-111	ROOF PLAN BUILDING #38	10/18/2018
<b>MECHANICAL</b>		
M-001	HVAC GENERAL NOTES, LEGEND AND SCHEDULES	10/18/2018
M-002	HVAC SCHEDULES	10/18/2018
M-003	HVAC SCHEDULES	8/31/2018
M-004	HVAC SCHEDULES	8/31/2018
M-005	FAN SCHEDULE	5/30/2018
M-006	HVAC SCHEDULES	8/31/2018
M-007	HVAC SCHEDULES	5/30/2018
<b>MECHANICAL (CONTINUED)</b>		
M-101	HVAC SITE PLAN	10/18/2018
MD01-201	BUILDING #1 - HVAC DEMOLITION FLOOR PLANS	5/30/2018
M01-201	BUILDING #1 HVAC FLOOR PLANS	5/30/2018
M01-301	BUILDING #1 HVAC FLOOR PLANS	8/31/2018
MD02-201	BUILDING #2 - HVAC DEMOLITION FLOOR PLANS	5/30/2018
M02-201	BUILDING #2 HVAC FLOOR PLANS	5/30/2018
M02-301	BUILDING #2 HVAC ENLARGED PLANS	8/31/2018
MD05-201	BUILDING #5 - HVAC DEMOLITION FLOOR PLAN – FIRST FLOOR	5/30/2018
MD05-202	BUILDING #5 - HVAC DEMOLITION FLOOR PLAN – SECOND FLOOR	5/30/2018
M05-201	BUILDING #5 HVAC FLOOR PLAN – FIRST FLOOR	5/30/2018
M05-202	BUILDING #5 HVAC FLOOR PLAN - SECOND FLOOR	5/30/2018
M05-203	BUILDING #5 HVAC ROOF PLAN	5/30/2018
M05-301	BUILDING #5 HVAC ENLARGED PLANS	5/30/2018
MD06-201	BUILDING #6 HVAC FLOOR PLAN	5/30/2018

MD06-202	BUILDING #6 HVAC DEMOLITION ROOF PLAN	5/30/2018
M06-201	BUILDING #6 HVAC FLOOR PLAN	5/30/2018
M06-202	BUILDING #6 HVAC ROOF PLAN	5/30/2018
M06-301	BUILDING #6 HVAC ENLARGED PLANS	8/31/2018
MD11-201	BUILDING #11- HVAC DEMOLITION FLOOR PLAN	5/30/2018
MD11-202	BUILDING #11- HVAC DEMOLITION ROOF PLAN	5/30/2018
M11-201	BUILDING #11 HVAC FLOOR PLAN	5/30/2018
M11-202	BUILDING #11 HVAC ROOF PLAN	5/30/2018
MD12-201	BUILDING #12- HVAC DEMOLITION FLOOR PLAN	5/30/2018
MD12-202	BUILDING #12- HVAC DEMOLITION ROOF PLAN	5/30/2018
<b>MECHANICAL (CONTINUED)</b>		
M12-201	BUILDING #12 HVAC FLOOR PLAN	5/30/2018
M12-202	BUILDING #12 HVAC ROOF PLAN	11/15/2018
M12-301	BUILDING #12 HVAC ENLARGED PLANS	5/30/2018
M12-302	BUILDING #12 HVAC ENLARGED PLANS	5/30/2018
M12-303	BUILDING #12 HVAC ENLARGED PLANS	5/30/2018
MD13-201	BUILDING #13 HVAC DEMOLITION FLOOR PLAN	5/30/2018
MD13-202	BUILDING #13- HVAC DEMOLITION ROOF PLAN	5/30/2018
M13-201	BUILDING #13 HVAC FLOOR PLAN	5/30/2018
M13-202	BUILDING #13 HVAC ROOF PLAN	5/30/2018
M13-301	BUILDING #13 HVAC ENLARGED PLANS	10/18/2018
MD14-201	BUILDING #14- HVAC DEMOLITION FLOOR PLAN	5/30/2018
MD14-202	BUILDING #14- HVAC DEMOLITION ROOF PLAN	8/31/2018
M14-201	BUILDING #14 HVAC FLOOR PLAN	8/31/2018
M14-202	BUILDING #14 HVAC ROOF PLAN	8/31/2018
M14-301	BUILDING #14 HVAC ENLARGED PLANS	8/31/2018
MD15-201	BUILDING #15 HVAC FLOOR PLANS	5/30/2018

MD15-301	BUILDING #15 HVAC ENLARGED DEMOLITION FLOOR	5/30/2018
M15-201	BUILDING #15 HVAC FLOOR PLANS	5/30/2018
M15-301	BUILDING #15 HVAC ENLARGED FLOOR PLANS	5/30/2018
MD16-201	BUILDING #16 HVAC FLOOR PLANS	8/31/2018
MD16-202	BUILDING #16- HVAC DEMOLITION ROOF PLAN	8/31/2018
M16-201	BUILDING #16 HVAC FLOOR PLAN	5/30/2018
M16-202	BUILDING #16 HVAC ROOF PLAN	5/30/2018
MD17-201	BUILDING #17- HVAC DEMOLITION FLOOR PLAN	5/30/2018
<b>MECHANICAL (CONTINUED)</b>		
MD17-202	BUILDING #17- HVAC DEMOLITION ROOF PLAN	5/30/2018
M17-201	BUILDING #17 HVAC FLOOR PLAN	5/30/2018
M17-202	BUILDING #17 HVAC ROOF PLAN	5/30/2018
MD18-201	BUILDING #18 HVAC DEMOLITION FLOOR PLAN	11/15/2018
MD18-202	BUILDING #18- HVAC DEMOLITION ROOF PLAN	8/31/2018
M18-201	BUILDING #18 HVAC FLOOR PLAN	11/15/2018
M18-202	BUILDING #18 HVAC ROOF PLAN	11/15/2018
MD25-201	BUILDING #25 HVAC DEMOLITION FLOOR PLAN	5/30/2018
M25-201	BUILDING #25 HVAC FLOOR PLAN	5/30/2018
MD26-201	BUILDING #26 HVAC DEMOLITION FLOOR PLAN	5/30/2018
M26-201	BUILDING #26 HVAC FLOOR PLANS	5/30/2018
MD32-201	BUILDING #32 HVAC DEMOLITION FLOOR PLAN	5/30/2018
MD32-202	BUILDING #32- HVAC DEMOLITION ROOF PLAN	5/30/2018
MD32-301	BUILDING #32 HVAC ENLARGED DEMOLITION PLANS	5/30/2018
M32-201	BUILDING #32 HVAC FLOOR PLAN	5/30/2018
M32-202	BUILDING #32 HVAC ROOF PLAN	5/30/2018
M32-301	BUILDING #32 HVAC ENLARGED PLANS	8/31/2018
MD33-201	BUILDING #33 HVAC FLOOR PLAN	5/30/2018

MD33-202	BUILDING #33 HVAC DEMOLITION ROOF PLAN	5/30/2018
M33-201	BUILDING #33 HVAC FLOOR PLAN	5/30/2018
M33-202	BUILDING #33 HVAC ROOF PLAN	5/30/2018
MD34-201	BUILDING #34 HVAC DEMOLITION FLOOR PLAN	5/30/2018
MD34-202	BUILDING #34 HVAC DEMOLITION ROOF PLAN	5/30/2018
M34-201	BUILDING #34 HVAC FLOOR PLAN	5/30/2018
<b>MECHANICAL (CONTINUED)</b>		
M34-202	BUILDING #34 HVAC ROOF PLAN	5/30/2018
M34-301	BUILDING #34 HVAC FLOOR PLAN	8/31/2018
MD37-201	BUILDING #37 HVAC DEMOLITION FLOOR PLANS	5/30/2018
M37-201	BUILDING #37 HVAC FLOOR PLANS	5/30/2018
M-501	HVAC CONTROLS	8/31/2018
M-502	HVAC CONTROLS	8/31/2018
M-601	HVAC DETAILS	5/30/2018
M-602	HVAC DETAILS	8/31/2018
M-603	HVAC DETAILS	8/31/2018
M-604	HVAC DETAILS	5/30/2018
<b>ELECTRICAL</b>		
E-001	ELECTRICAL GENERAL NOTES	8/31/2018
E-002	ELECTRICAL LEGEND AND SCHEDULE	11/15/2018
E-101	ELECTRICAL SITE PLAN	5/30/2018
E01-201	BUILDING #1 ELECTRICAL FLOOR PLANS	8/31/2018
E01-301	BUILDING #1 ELECTRICAL ENLARGED PLANS	11/15/2018
E02-201	BUILDING #2 ELECTRICAL FLOOR PLANS	10/18/2018
E02-202	BUILDING #2 ELECTRICAL FLOOR PLANS	8/31/2018
E05-201	BUILDING #5 LIGHTING FLOOR PLAN - FIRST FLOOR	11/15/2018
E05-202	BUILDING #5 LIGHTING FLOOR PLAN - SECOND FLOOR	10/18/2018



E05-202A	BUILDING #5 PHOTOMETRIC FLOOR PLAN - SECOND FLOOR	5/30/2018
E05-301	BUILDING #5 POWER FLOOR PLAN - FIRST FLOOR	5/30/2018
E05-302	BUILDING #5 POWER FLOOR PLAN - SECOND FLOOR	5/30/2018
E05-303	BUILDING #5 ELECTRICAL ROOF PLAN	5/30/2018
<b>ELECTRICAL (CONTINUED)</b>		
E05-401	BUILDING #5 ELECTRICAL ENLARGED PLANS	8/31/2018
E06-201	BUILDING #6 LIGHTING FLOOR PLAN	11/15/2018
E06-301	BUILDING #6 POWER FLOOR PLAN	11/15/2018
E06-302	BUILDING #6 ELECTRICAL ROOF PLAN	8/31/2018
E06-401	BUILDING #6 DEMOLITION ELECTRICAL ENLARGED PLAN	8/31/2018
E06-402	BUILDING #6 NEW WORK ELECTRICAL ENLARGED PLAN	5/30/2018
E06-403	BUILDING #6 ELECTRICAL ENLARGED PLAN	5/30/2018
E11-201	BUILDING #11 ELECTRICAL FLOOR PLANS	10/18/2018
E11-202	BUILDING #11 ELECTRICAL ROOF PLAN	8/31/2018
E12-201	BUILDING #12 LIGHTING FLOOR PLAN	10/18/2018
E12-301	BUILDING #12 POWER FLOOR PLAN	8/31/2018
E12-302	BUILDING #12 ELECTRICAL ROOF PLAN	8/31/2018
E12-401	BUILDING #12 ELECTRICAL ENLARGED PLANS	5/30/2018
E13-201	BUILDING #13 LIGHTING FLOOR PLAN	5/30/2018
E13-301	BUILDING #13 POWER FLOOR PLAN	8/31/2018
E13-302	BUILDING #13 ELECTRICAL ROOF PLAN	10/31/2018
E14-201	BUILDING #14 LIGHTING FLOOR PLAN	8/31/2018
E14-202	BUILDING #14 PHOTOMETRIC PLAN - NORMAL MODE	5/30/2018
E14-301	BUILDING #14 POWER FLOOR PLAN	11/15/2018
E14-302	BUILDING #14 ELECTRICAL ROOF PLAN	8/31/2018
E14-401	BUILDING #14 ELECTRICAL ENLARGED PLANS	5/30/2018
E15-201	BUILDING #15 ELECTRICAL FLOOR PLANS	5/30/2018

E15-202	BUILDING #15 PHOTOMETRIC PLAN - NORMAL MODE	5/30/2018
E15-301	BUILDING #15 ELECTRICAL POWER FLOOR PLANS	5/30/2018
<b>ELECTRICAL (CONTINUED)</b>		
E15-302	BUILDING #15 ELECTRICAL ROOF PLAN	5/30/2018
E16-201	BUILDING #16 LIGHTING FLOOR PLAN	5/30/2018
E16-202	BUILDING #16 PHOTOMETRIC PLAN - NORMAL MODE	5/30/2018
E16-301	BUILDING #16 ELECTRICAL FLOOR PLAN	8/31/2018
E16-302	BUILDING #16 ELECTRICAL ROOF PLAN	8/31/2018
E17-201	BUILDING #17 LIGHTING FLOOR PLAN	8/31/2018
E17-301	BUILDING #17 POWER FLOOR PLAN	5/30/2018
E17-302	BUILDING #17 ELECTRICAL ROOF PLAN	8/31/2018
E17-303	BUILDING #17 ELECTRICAL RISERS DIAGRAM	8/31/2018
E17-401	BUILDING #17 ELECTRICAL ENLARGED PLANS	8/31/2018
E18-201	BUILDING #18 LIGHTING FLOOR PLAN	8/31/2018
E18-301	BUILDING #18 ELECTRICAL FLOOR PLAN	11/15/2018
E18-302	BUILDING #18 ELECTRICAL ROOF PLAN	8/31/2018
E19-201	BUILDING #19 ELECTRICAL FLOOR PLAN	8/31/2018
E25-201	BUILDING #25 ELECTRICAL FLOOR PLANS	8/31/2018
E26-201	BUILDING #26 ELECTRICAL FLOOR PLANS	5/30/2018
E32-301	BUILDING #32 ELECTRICAL FLOOR PLAN	5/30/2018
E32-302	BUILDING #32 ELECTRICAL ROOF PLAN	8/31/2018
E33-201	BUILDING #33 LIGHTING FLOOR PLAN	8/31/2018
E33-301	BUILDING #33 ELECTRICAL FLOOR PLAN	8/31/2018
E33-302	BUILDING #33 ELECTRICAL ROOF PLAN	8/31/2018
E33-401	BUILDING #33 ELECTRICAL ENLARGED PLAN	5/30/2018
E34-301	BUILDING #34 POWER FLOOR PLAN	5/30/2018
E34-302	BUILDING #34 ELECTRICAL ROOF PLAN	5/30/2018



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**ELECTRICAL (CONTINUED)**

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E34-401	BUILDING #34 ELECTRICAL ENLARGED PLAN	5/30/2018
E37-201	BUILDING #37 ELECTRICAL ROOF PLAN	5/30/2018
E37-202	ELECTRICAL GENERAL NOTES	8/31/2018
E38-201	BUILDING #38 ELECTRICAL FIRST FLOOR PLAN	11/15/2018
E-501	ELECTRICAL RISERS	5/30/2018
E-601	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-602	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-603	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-604	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-605	ELECTRICAL PANEL SCHEDULES	08/31/2018
E-606	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-607	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-608	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-609	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-610	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-611	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-612	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-613	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-614	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-615	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-616	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-617	ELECTRICAL PANEL SCHEDULES	11/15/2018
E-701	ELECTRICAL DETAILS	10/18/2018
E-702	ELECTRICAL DETAILS	5/30/2018
<b>ELECTRICAL (CONTINUED)</b>		
E-703	ELECTRICAL DETAILS	5/30/2018

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<b>PLUMBING</b>		
P-001	PLUMBING GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS	10/18/2018
P01-201	BUILDING #1 PLUMBING ROOF PLAN	5/30/2018
P02-201	BUILDING #2 PLUMBING FLOOR & ROOF PLANS	5/30/2018
P05-201	BUILDING #5 PLUMBING FLOOR PLAN - FIRST FLOOR	5/30/2018
P05-202	BUILDING #5 PLUMBING FLOOR PLAN - SECOND FLOOR	5/30/2018
P05-203	BUILDING #5 PLUMBING ROOF PLAN	5/30/2018
P05-301	BUILDING #5 PLUMBING ENLARGED PLANS	8/31/2018
P06-201	BUILDING #6 PLUMBING FLOOR PLAN	5/30/2018
P06-202	BUILDING #6 PLUMBING ROOF PLAN	5/30/2018
P06-301	BUILDING #6 PLUMBING ENLARGED PLAN	5/30/2018
P06-401	BUILDING #6 PLUMBING ISOMETRICS	5/30/2018
P06-402	BUILDING #6 PLUMBING ISOMETRICS	5/30/2018
P11-201	BUILDING #11 PLUMBING FLOOR PLAN	5/30/2018
P11-202	BUILDING #11 PLUMBING ROOF PLAN	5/30/2018
P12-201	BUILDING #12 PLUMBING FLOOR PLAN	5/30/2018
P12-202	BUILDING #12 PLUMBING ROOF PLAN	5/30/2018
P12-401	BUILDING #12 PLUMBING ISOMETRICS	5/30/2018
P13-201	BUILDING #13 PLUMBING FLOOR PLAN	5/30/2018
P13-202	BUILDING #13 PLUMBING ROOF PLAN	5/30/2018
P14-201	BUILDING #14 PLUMBING FLOOR PLAN	5/30/2018
P14-202	BUILDING #14 PLUMBING ROOF PLAN	5/30/2018
P14-301	BUILDING #14 PLUMBING ENLARGED PLANS	8/31/2018
<b>PLUMBING (CONTINUED)</b>		
P14-401	BUILDING #14 PLUMBING ISOMETRICS	5/30/2018
P15-201	BUILDING #15 PLUMBING FLOOR & ROOF PLANS	5/30/2018
P16-201	BUILDING #16 PLUMBING FLOOR PLAN	5/30/2018

P16-202	BUILDING #16 PLUMBING ROOF PLAN	5/30/2018
P16-401	BUILDING #16 PLUMBING ISOMETRICS	5/30/2018
P17-201	BUILDING #17 PLUMBING FLOOR PLAN	5/30/2018
P17-202	BUILDING #17 PLUMBING ROOF PLAN	5/30/2018
P17-301	BUILDING #17 PLUMBING ENLARGED PLANS	8/31/2018
P18-201	BUILDING #18 PLUMBING FLOOR PLAN	5/30/2018
P18-202	BUILDING #18 PLUMBING ROOF PLAN	5/30/2018
P32-201	BUILDING #32 PLUMBING FLOOR PLANS	5/30/2018
P32-202	BUILDING #32 PLUMBING ROOF PLAN	5/30/2018
P33-201	BUILDING #33 PLUMBING FLOOR PLAN	5/30/2018
P33-202	BUILDING #33 PLUMBING ROOF PLAN	5/30/2018
P34-201	BUILDING #34 PLUMBING FLOOR PLAN	5/30/2018
P34-202	BUILDING #34 PLUMBING ROOF PLAN	5/30/2018
P37-201	BUILDING #37 PLUMBING ROOF PLAN	5/30/2018
<b>FIRE ALARM</b>		
FA-101	FIRE ALARM SITE PLAN	10/18/2018
FA01-201	BUILDING #1 FIRE ALARM FLOOR PLANS	10/18/2018
FA02-201	BUILDING #2 FIRE ALARM FLOOR PLAN	10/18/2018
FA03-201	BUILDING #3 FIRE ALARM FLOOR PLAN	10/18/2018
FA04-201	BUILDING #4 FIRE ALARM FLOOR PLAN	10/18/2018
FA05-201	BUILDING #5 FIRE ALARM FLOOR PLAN - FIRST FLOOR	10/18/2018
<b>FIRE ALARM (CONTINUED)</b>		
FA05-202	BUILDING #5 FIRE ALARM FLOOR PLAN - SECOND FLOOR	10/18/2018
FA06-201	BUILDING #6 FIRE ALARM FLOOR PLAN	10/18/2018
FA07-201	BUILDING #7 FIRE ALARM FLOOR PLAN	10/18/2018
FA08-201	BUILDING #8 FIRE ALARM FLOOR PLAN	10/18/2018
FA09-201	BUILDING #9 FIRE ALARM FLOOR PLAN	10/18/2018

FA10-201	BUILDING #10 FIRE ALARM FLOOR PLAN	10/18/2018
FA11-201	BUILDING #11 FIRE ALARM FLOOR PLAN	10/18/2018
FA12-201	BUILDING #12 FIRE ALARM FLOOR PLAN	10/18/2018
FA13-201	BUILDING #13 FIRE ALARM FLOOR PLAN	10/18/2018
FA14-201	BUILDING #14 FIRE ALARM FLOOR PLAN	10/18/2018
FA15-201	BUILDING #15 FIRE ALARM FLOOR PLAN	10/18/2018
FA16-201	BUILDING #16 FIRE ALARM FLOOR PLAN	10/18/2018
FA17-201	BUILDING #17 FIRE ALARM FLOOR PLAN	10/18/2018
FA18-201	BUILDING #18 FIRE ALARM FLOOR PLAN	10/18/2018
FA24-201	BUILDING #24 FIRE ALARM FLOOR PLAN	10/18/2018
FA25-201	BUILDING #25 FIRE ALARM FLOOR PLAN	10/18/2018
FA26-201	BUILDING #26 FIRE ALARM FLOOR PLAN	10/18/2018
FA27-201	BUILDING #27 FIRE ALARM FLOOR PLAN	10/18/2018
FA30-201	BUILDING #30 FIRE ALARM FLOOR PLAN	10/18/2018
FA31-201	BUILDING #31 FIRE ALARM FLOOR PLAN	10/18/2018
FA32-201	BUILDING #32 FIRE ALARM FLOOR PLAN	10/18/2018
FA33-201	BUILDING #33 FIRE ALARM FLOOR PLAN	10/18/2018
FA34-201	BUILDING #34 FIRE ALARM FLOOR PLAN	10/18/2018
FA35-201	BUILDING #35 FIRE ALARM FLOOR PLAN	10/18/2018
<b>FIRE ALARM (CONTINUED)</b>		
FA37-201	BUILDING #37 FIRE ALARM FLOOR PLAN	10/31/2018
FA38-201	BUILDING #38 FIRE ALARM FIRST FLOOR PLAN	10/18/2018
FA39-201	BUILDING #39 FIRE ALARM FLOOR PLAN - FIRST FLOOR	10/18/2018
FA39-202	BUILDING #39 FIRE ALARM FLOOR PLAN - SECOND FLOOR	10/18/2018
FA-501	FIRE ALARM SYMBOLS/LEGEND & NOTES	10/18/2018
FA-502	PARTIAL FIRE ALARM RISER	10/18/2018
FA-503	PARTIAL FIRE ALARM RISER	10/18/2018

FA-504	PARTIAL FIRE ALARM RISER	10/18/2018
<b>FIRE PROTECTION</b>		
F-001	FIRE PROTECTION GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS	10/31/2018
F-101	FIRE PROTECTION SITE PLAN	10/31/2018
F03-201	BUILDING #3 - FIRE PROTECTION FLOOR PLAN	8/31/2018
F04-201	BUILDING #4 - FIRE PROTECTION FLOOR PLAN	8/31/2018
F05-201	BUILDING #5 - FIRE PROTECTION FLOOR PLAN - FIRST FLOOR	8/31/2018
F05-202	BUILDING #5 - FIRE PROTECTION FLOOR PLAN - SECOND FLOOR	5/30/2018
F06-201	BUILDING #6 - FIRE PROTECTION FLOOR PLAN	8/31/2018
F08-201	BUILDING #8 - FIRE PROTECTION FLOOR PLAN	5/30/2018
F12-201	BUILDING #12 - FIRE PROTECTION FLOOR PLAN	8/31/2018
F16-201	BUILDING #16 - FIRE PROTECTION FLOOR PLAN	8/31/2018
F17-201	BUILDING #17 - FIRE PROTECTION FLOOR PLAN	8/31/2018
F35-201	BUILDING #35 - FIRE PROTECTION FLOOR PLAN	8/31/2018
<b>TECHNOLOGY</b>		
TY-001	SECURITY LEGEND, NOTES & ABBREVIATIONS	5/30/2018
TY14-301	BUILDING #14 - SECURITY FLOOR PLAN	5/30/2018
TY15-301	BUILDING #15 - SECURITY FLOOR PLANS	5/30/2018
TY16-301	BUILDING #16 - SECURITY FLOOR PLAN	5/30/2018
TY16-302	BUILDING #16 - SECURITY ROOF PLAN	5/30/2018

**NOVA HIGH SCHOOL  
PROJECT NO. P.001817  
GMP SET**

**Specification Log**

<u>Revision Summary</u>
Permit Set – 5/30/2018
Revision 1 – 8/31/2018
Revision 2 – 10/18/2018
Revision 3 – 10/31/2018
Revision 4 – 11/15/2018

**SHEET      DESCRIPTION**

**INTRODUCTORY INFORMATION**

00000	TITLE PAGE	5/30/2018
00002	PROJECT DIRECTORY	3/30/2018
00006	PROFESSIONAL SIGNATURES & SEALS	5/30/2018
00010	PROJECT MANUAL INDEX	5/30/2018
00015	LIST OF DRAWINGS	5/30/2018

**DIVISION 01 – GENERAL REQUIREMENTS**

01010	SUMMARY OF WORK	5/30/2018
01230	ALTERNATES	5/30/2018
01250	CONTRACT MODIFICATION PROCEDURES	5/30/2018
	• DOCUMENT 01250A - PROPOSAL REQUEST	5/30/2018
	• DOCUMENT 01250B - CHANGE ORDER REQUEST (PROPOSAL)	5/30/2018
	• DOCUMENT 01250E - CONSTRUCTION CHANGE DIRECTIVE	5/30/2018
	• DOCUMENT 01250F - PROJECT CONSULTANT'S SUPPLEMENTAL INSTRUCTIONS	5/30/2018
	• DOCUMENT 01250G - CONSTRUCTION CHANGE ORDER	5/30/2018
	• DOCUMENT 01250H – CONTINGENCY USE DIRECTIVE	5/30/2018
01270	UNIT PRICES	5/30/2018
01290	PAYMENT PROCEDURES	5/30/2018
	• DOCUMENT 01290A – APPLICATION FOR PAYMENT	5/30/2018
01295	DIRECT OWNER PURCHASING PROGRAM	5/30/2018
	• DOCUMENT 01295A – ORDER FORM	5/30/2018



**DIVISION 01 – GENERAL REQUIREMENTS (CONTINUED)**

	• DOCUMENT 01295B – VENDOR REQUEST FORM	5/30/2018
	• DOCUMENT 01295C – INVOICE SUMMARY	5/30/2018
01310	PROJECT MANAGEMENT AND COORDINATION	5/30/2018
	• DOCUMENT 01310A - CONTRACTOR'S REQUEST FOR INFORMATION	5/30/2018
	• DOCUMENT 01310B - TRANSMITTAL	5/30/2018
01320	CONSTRUCTION PROGRESS DOCUMENTATION	5/30/2018
	• DOCUMENT 01320A - WEEKLY PROGRESS REPORT	5/30/2018
	• DOCUMENT 01320B - PERIODIC OBSERVATION REPORT	5/30/2018
	• DOCUMENT 01320C - NON-CONFORMING WORK NOTICE	5/30/2018
01321	CONSTRUCTION SCHEDULE CRITICAL PATH METHOD (CPM)	5/30/2018
01330	SUBMITTAL PROCEDURES	3/30/2018
	• DOCUMENT 01330A - SUBMITTAL FORM	5/30/2018
01340	SHOP DRAWINGS, PRODUCT DATA AND SAMPLES	5/30/2018
01350	SPECIAL PROCEDURES	5/30/2018
01354	CONSTRUCTION INDOOR AIR QUALITY MANAGEMENT	5/30/2018
01410	REGULATORY REQUIREMENTS	5/30/2018
01420	REFERENCES	5/30/2018
01430	QUALITY ASSURANCE	5/30/2018
01450	QUALITY CONTROL	5/30/2018
01510	TEMPORARY UTILITIES	5/30/2018
01520	CONSTRUCTION FACILITIES	5/30/2018
01530	TEMPORARY CONSTRUCTION	5/30/2018
01540	CONSTRUCTION AIDS	5/30/2018
01550	VEHICULAR ACCESS AND PARKING	5/30/2018

**DIVISION 01 – GENERAL REQUIREMENTS (CONTINUED)**

01560	TEMPORARY BARRIERS AND ENCLOSURES	5/30/2018
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01570	TEMPORARY CONTROLS	5/30/2018
01572	CONSTRUCTION WASTE MANAGEMENT	5/30/2018
01580	PROJECT IDENTIFICATION	5/30/2018
01610	BASIC PRODUCT REQUIREMENTS	5/30/2018
01620	PRODUCT OPTIONS	5/30/2018
01630	PRODUCT SUBSTITUTION PROCEDURES	5/30/2018
	• DOCUMENT 01630A - CONTRACTOR'S SUBSTITUTION REQUEST	5/30/2018
01663	PRODUCT DELIVERY, STORAGE AND HANDLING REQUIREMENTS	5/30/2018
01700	CONTRACT CLOSEOUT	5/30/2018
01710	EXAMINATION	5/30/2018
01720	PREPARATION	5/30/2018
01730	EXECUTION	5/30/2018
01735	OPERATION AND MAINTENANCE DATA	5/30/2018
01740	CLEANING	5/30/2018
01745	WARRANTIES	5/30/2018
01750	STARTING AND ADJUSTING	5/30/2018
01760	PROTECTION OF INSTALLED CONSTRUCTION	5/30/2018
01770	CLOSEOUT PROCEDURES	5/30/2018
	• DOCUMENT 01770A - CONTRACTOR'S REQUEST FOR SUBSTANTIAL COMPLETION INSPECTION	5/30/2018
	• DOCUMENT 01770B - PROJECT CONSULTANT'S NOTIFICATION OF READINESS FOR SUBSTANTIAL COMPLETION INSPECTION	5/30/2018
	• DOCUMENT 01770C - SF727 SUBSTANTIAL COMPLETION INSPECTION	5/30/2018
	• DOCUMENT 01770D - SUBSTANTIAL COMPLETION INSPECTION	5/30/2018
<b>DIVISION 01 – GENERAL REQUIREMENTS (CONTINUED)</b>		
	• DOCUMENT 01770E - PROJECT CONSULTANT'S LETTER ESTABLISHING SUBSTANTIAL COMPLETION DATE	5/30/2018
	• DOCUMENT 01770F - CONTRACTOR'S REQUEST FOR FINAL COMPLETION INSPECTION	5/30/2018
	• DOCUMENT 01770G - PROJECT CONSULTANT'S NOTIFICATION OF READINESS FOR FINAL COMPLETION INSPECTION	5/30/2018

	• DOCUMENT 01770H - PROJECT CONSULTANT'S LETTER ESTABLISHING FINAL COMPLETION DATA	5/30/2018
01780	CLOSEOUT SUBMITTALS	5/30/2018
01810	COMMISSIONING	5/30/2018
01820	DEMONSTRATION AND TRAINING	5/30/2018
	• DOCUMENT 01820A - CONTRACTOR'S DEMONSTRATION AND TRAINING ATTENDANCE LOG	5/30/2018
01830	OPERATION AND MAINTENANCE	5/30/2018
01890	RECONSTRUCTION	5/30/2018
<b>DIVISION 02 - SITEWORK</b>		
02070	MINOR DEMOLITION FOR REMODELING	5/30/2018
02110	SITE CLEARING	5/30/2018
02200	EARTHWORK	5/30/2018
02280	SOIL TREATMENT	5/30/2018
02586	EXTERIOR ELECTRICAL WORK UNDERGROUND	5/30/2018
02730	SANITARY SEWERAGE	5/30/2018
02811	LANDSCAPE IRRIGATION	5/30/2018
02830	CHAIN LINK FENCING AND GATES	5/30/2018
02931	SODDING	5/30/2018
02950	TREES, PLANTS AND GROUNDCOVER	5/30/2018
<b>DIVISION 03 - CONCRETE</b>		
03100	CONCRETE FORMWORK	5/30/2018
<b>DIVISION 03 - CONCRETE (CONTINUED)</b>		
03200	CONCRETE REINFORCEMENT	5/30/2018
03300	CAST-IN-PLACE CONCRETE	5/30/2018
03520	LIGHTWEIGHT INSULATING CONCRETE	5/30/2018
03700	CONCRETE REPAIR	5/30/2018
<b>DIVISION 04 - MASONRY</b>		
04200	UNIT MASONRY	5/30/2018

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04230	REINFORCED UNIT MASONRY	5/30/2018
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04530	MASONRY PATCHWORK	5/30/2018
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**DIVISION 05 - METALS**

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05120	STRUCTURAL STEEL	5/30/2018
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05310	STEEL DECK	5/30/2018
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05400	COLD FORMED METAL FRAMING	5/30/2018
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05500	METAL FABRICATIONS	5/30/2018
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**DIVISION 06 – WOOD AND PLASTICS**

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06100	CARPENTRY	5/30/2018
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06300	WOOD TREATMENT	5/30/2018
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06400	ARCHITECTURAL WOODWORK	5/30/2018
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**DIVISION 07 – THERMAL AND MOISTURE PROTECTION**

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07132	VAPOR-PROTECTIVE WATERPROOFING	5/30/2018
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07190	VAPOR BARRIER	5/30/2018
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07210	BUILDING INSULATION	5/30/2018
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07220	ROOF INSULATION	5/30/2018
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07502	RA LIGHTWEIGHT INSULATING CONCRETE	5/30/2018
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**DIVISION 07 – THERMAL AND MOISTURE PROTECTION (CONTINUED)**

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07551	RA MODIFIED BITUMEN ROOFING	5/30/2018
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07600	FLASHING AND SHEET METAL	5/30/2018
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07631	GUTTERS AND DOWNSPOUTS	5/30/2018
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07716	ROOF EXPANSION JOINTS	5/30/2018
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07721	RA SUPPORTS FOR ROOFTOP EQUIPMENT	5/30/2018
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07722	ROOF SCUTTLES AND AUTOMATIC FIRE VENTS	5/30/2018
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07724	PREFABRICATED CURBS	5/30/2018
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07920	JOINT SEALANTS	5/30/2018
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**DIVISION 08 – DOORS AND WINDOWS**

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08110	STEEL DOORS AND FRAMES	5/30/2018
08210	FLUSH WOOD DOORS	5/30/2018
08305	ACCESS DOORS AND PANELS	5/30/2018
08400	ENTRANCES AND STOREFRONTS	5/30/2018
08520	ALUMINUM WINDOWS	5/30/2018
08710	DOOR HARDWARE	5/30/2018
08800	GLASS AND GLAZING	3/30/2018
<b>DIVISION 09 - FINISHES</b>		
09125	PLASTERED CEILING SUSPENSION SYSTEMS	5/30/2018
09220	PORTLAND CEMENT PLASTER (STUCCO)	5/30/2018
09250	GYPSUM BOARD	5/30/2018
09310	CERAMIC TILE	5/30/2018
09510	ACOUSTICAL CEILINGS	5/30/2018
09650	RESILIENT TILE FLOORING	5/30/2018
09683	CARPET TILE	5/30/2018
<b>DIVISION 09 - FINISHES (CONTINUED)</b>		
09900	PAINTING	5/30/2018
09910	REMEDIAL PAINTING	5/30/2018
<b>DIVISION 10 - SPECIALTIES</b>		
10165	PLASTIC TOILET PARTITIONS	5/30/2018
10200	LOUVERS AND VENTS	5/30/2018
10400	IDENTIFYING DEVICES	5/30/2018
10532	ALUMINUM WALKWAYS COVERS	5/30/2018
10810	TOILET ACCESSORIES	5/30/2018
<b>DIVISION 11 - EQUIPMENT</b>		
11400	FOOD SERVICE EQUIPMENT	5/30/2018
11427	KITCHEN WATERWASH EXHAUST HOOD	5/30/2018

11428	KITCHEN DRY EXTRACTOR BAFFLE EXHAUST HOOD	5/30/2018
11450	RESIDENTIAL APPLIANCES	5/30/2018
116001	SPECIALTY BAND ROOM ACOUSTIC TREATMENTS, INSTRUMENT STORAGE AND SOUND ISOLATION PRACTICE ROOMS	10/18/2018
<b>DIVISION 12 - FURNISHINGS</b>		
12490	WINDOW TREATMENTS	3/30/2018
<b>DIVISION 13 - SPECIAL CONSTRUCTION</b>		
13825	ELECTRONIC SECURITY SYSTEM	5/30/2018
13845	FIRE ALARM SYSTEM	5/30/2018
<b>DIVISION 15 - MECHANICAL</b>		
15050	BASIC MATERIALS AND METHODS	5/30/2018
15052	VARIABLE FREQUENCY DRIVES	5/30/2018
<b>DIVISION 15 - MECHANICAL (CONTINUED)</b>		
15083	DUCT INSULATION	5/30/2018
15089	PIPING INSULATION	5/30/2018
15100	VALVES	5/30/2018
15105	PLUMBING PIPING	5/30/2018
15182	HVAC PUMPS	5/30/2018
15183	HYDRONIC PIPING	5/30/2018
15188	HYDRONIC SPECIALTIES	5/30/2018
15220	CHEMICAL TREATMENT SYSTEM	5/30/2018
15280	EQUIPMENT INSULATION	5/30/2018
15300	FIRE PROTECTION SYSTEM	5/30/2018
15410	PLUMBING FIXTURES	5/30/2018
15430	PLUMBING SPECIALTIES	5/30/2018
15480	DOMESTIC WATER HEATERS	5/30/2018
15620	PACKAGED WATER COOLED CHILLER	5/30/2018
15720	AIR HANDLING UNIT	5/30/2018

15722	ENERGY RECOVERY UNIT	5/30/2018
15736	DUCTLESS AIR CONDITIONER	5/30/2018
15737	PACKAGE WALL MOUNTED AIR CONDITIONING UNIT	5/30/2018
15738	SELF-CONTAINED PACKAGED CLASSROOM DX AIR CONDITIONING UNIT WITH HOT GAS REHEAT	5/30/2018
15767	UNIT VENTILATOR	5/30/2018
15768	FAN COIL UNIT	5/30/2018
15788	REFRIGERATION SYSTEM SAFETY EQUIPMENT	5/30/2018
15810	METAL DUCTS	5/30/2018

**DIVISION 15 – MECHANICAL (CONTINUED)**

15825	ELECTRIC DUCT HEATER	5/30/2018
15830	FANS	5/30/2018
15845	AIR TERMINAL UNIT	5/30/2018
15850	AIR OUTLETS AND INLETS	5/30/2018
15860	AIR CLEANING DEVICES	5/30/2018
15900	HVAC INSTRUMENTATION AND CONTROLS	5/30/2018
15940	SEQUENCE OF OPERATION	5/30/2018
15995	STARTUP & CERTIFICATION OF AIR, WATER & CONTROL SYSTEMS	5/30/2018

**DIVISION 16 - ELECTRICAL**

16010	GENERAL PROVISIONS	5/30/2018
16020	COMPLETION OF WORK	5/30/2018
16053	PROVISIONS FOR INTERIOR FINISHING	5/30/2018
16060	GROUNDING	5/30/2018
16070	EQUIPMENT BASES, MATS AND SUPPORTS	5/30/2018
16072	ELECTRICAL SUPPORTING DEVICES	5/30/2018
16080	ELECTRICAL INSPECTION AND TESTING	5/30/2018
16088	ACCEPTANCE TESTS AND PERFORMANCE VERIFICATION	5/30/2018
16090	ALTERATIONS AND ADDITIONS TO EXISTING WORK	5/30/2018

16120	WIRE AND CABLES	5/30/2018
16124	MEDIUM-VOLTAGE CABLES	5/30/2018
16129	TERMINAL LUGS	5/30/2018
16130	RACEWAYS & BOXES	5/30/2018
16132	CONDUIT, FITTINGS AND SUPPORTS	5/30/2018
16134	AUXILIARY TERMINAL PANELS	5/30/2018
<b>DIVISION 16 – ELECTRICAL (CONTINUED)</b>		
16137	PULL AND JUNCTION BOXES	5/30/2018
16138	OUTLET BOXES	5/30/2018
16140	WIRING DEVICES	5/30/2018
16220	MOTOR STARTERS	5/30/2018
16225	MOTORS & MOTOR CONTROLS	5/30/2018
16231	EMERGENCY STANDBY ELECTRICAL SERVICE SYSTEM	5/30/2018
16400	SERVICE AND DISTRIBUTION	5/30/2018
16410	CIRCUIT BREAKERS	5/30/2018
16413	SAFETY SWITCHES	5/30/2018
16415	SURGE PROTECTIVE DEVICES	5/30/2018
16430	LOW VOLTAGE SWITCHGEAR	5/30/2018
16440	PANELBOARDS	5/30/2018
16460	ENERGY EFFICIENT DRY TYPE TRANSFORMERS	5/30/2018
16490	FUSES	5/30/2018
16510	INTERIOR LUMINARIES	5/30/2018
16520	EXTERIOR LUMINARIES	5/30/2018
16910	ELECTRIC SYSTEM CONTROLS	5/30/2018
16912	MECHANICAL SYSTEMS CONTROL	5/30/2018





Pirtle Construction Company • 5700 Griffin Road, Suite 200 • Davie, Florida 33314  
Tel: 954.797.0410 • Fax: 954.797.6330

February 5, 2019

Mr. Rodney Williams, Sr. Construction Project Manager  
Broward County Schools, SMART Program  
3600 College Avenue  
Davie, FL 33314

Re: Nova High School Renovations  
Project Number P.001817  
Guaranteed Maximum Price Proposal

Dear Rodney,

Pirtle Construction is pleased to present the Guaranteed Maximum Price (GMP) Proposal for the Nova High School Renovation project in the amount of \$25,422,614.

The scope of the proposal is based on the Construction Documents provided by ACAI Associates, Inc. The estimate is further clarified and adjusted based on project meetings between Pirtle, ACAI, and CBRE/Heery representing the School Board of Broward County. A complete listing of these documents is included in this proposal.

We look forward to completing this project successfully for the School Board of Broward County.

Sincerely,

A handwritten signature in black ink that reads "Doug A. Wells". The signature is written in a cursive style with a horizontal line through the middle of the first name.

Doug Wells  
Project Executive  
Pirtle Construction Company

# NOVA HIGH SCHOOL RENOVATIONS

## GUARANTEED MAXIMUM PRICE

DATE: December 21, 2018

PROJECT: 39

PROJECT No.: P.001817



DIVISION	DESCRIPTION	TOTAL	SUBCONTRACTOR	SBBC M/WBE \$ PARTICIPATION
<b>COST OF WORK</b>				
02A	Demolition	\$252,000	Miami Wrecking	\$252,000
03A	Concrete & Masonry	\$90,280	El Leon	\$90,280
05A	Misc. Metals	\$35,321	Misc. Metal Fab.	
06A	Millwork	\$38,783	Keane	
07A	Roofing	\$7,932,500	Atlas Apex	
08A	Metal Doors and Frames	\$56,200	Cardinal	
08B	Aluminum Entrances and Storefront	\$64,232	Sol-a-Trol	
09A	Metal Framing and Gypsum Board	\$1,595,985	Applegate	\$1,595,985
09B	Ceramic and Quarry Tile	\$40,553	Vassell	\$40,553
09C	Acoustical Ceiling Tile	\$654,790	Supreme	\$654,790
09D	Resilient Tile Flooring and Carpet	\$281,368	Supreme	\$281,368
09E	Painting	\$441,287	Jasper	\$441,287
10A	Signage	\$27,840	Baron	
10B	Specialties	\$41,804	Schedule 10	\$41,804
21A	Building Fire Suppression Systems	\$477,250	Arfran	
21B	Site Fire Protection Systems	\$491,556	Stanford	
22A	Plumbing	\$442,900	PMS Plumbing	
23A	HVAC	\$3,698,599	HYVAC	\$3,698,599
26A	Electrical	\$3,026,749	Superior	\$2,876,414
32A	Chain Link Fencing	\$18,100	Tropic	\$18,100
	<b>SUBTOTAL (COW)</b>	<b>\$19,708,097</b>		<b>\$9,991,180</b>
	CM Fee	5.00%	\$985,405	
	Onsite Staff		\$2,096,388	
	General Requirements		\$888,822	
	SDI Program	1.25%	\$147,195	
	General Liability Insurance	0.84%	\$165,548	
	Builders Risk Insurance		NIC	SBBC
	Construction Contingency	5.00%	\$985,405	
	Bond	0.77%	\$195,754	
	Aluminum Walkway Budget Estimate		\$250,000	
	<b>Total GMP</b>		<b>\$25,422,614</b>	

# NOVA HIGH SCHOOL RENOVATIONS

## GUARANTEED MAXIMUM PRICE

DATE: December 21, 2018  
 PROJECT: NOVA HIGH SCHOOL  
 PROJECT No.: P.001817



### Building Cost Breakout

Building # Site		\$927,418
Building # 1		\$373,852
Building # 2		\$557,659
Building # 3		\$215,079
Building # 4		\$221,687
Building # 5		\$755,114
Building # 6		\$2,027,207
Building # 7		\$44,092
Building # 8		\$61,319
Building # 9		\$46,575
Building # 10		\$70,924
Building # 11		\$712,323
Building # 12		\$1,216,292
Building # 13		\$1,478,568
Building # 14		\$2,020,119
Building # 15		\$899,877
Building # 16		\$1,757,663
Building # 17		\$1,985,947
Building # 18		\$1,174,081
Building # 19		\$13,633
Building # 24		\$12,921
Building # 25		\$60,966
Building # 26		\$60,279
Building # 27		\$39,994
Building # 30		\$104,882
Building # 31		\$62,465
Building # 32		\$798,079
Building # 33		\$789,439
Building # 34		\$656,075
Building # 35		\$23,525
Building # 36		\$20,780
Building # 37		\$327,197
Building # 38		\$51,338
Building # 39		\$115,380
Building # Modulares		\$25,348
<b>SUBTOTAL (COW)</b>		<b>\$19,708,097</b>
CM Fee	5.00%	\$985,405
Onsite Staff		\$2,096,388
General Requirements		\$888,822
SDI Program	1.25%	\$147,195
General Liability Insurance	0.84%	\$165,548
Builders Risk Insurance		NIC
Construction Contingency	5.00%	\$985,405
Bond	0.77%	\$195,754
Aluminum Walkway Budget Estimate		\$250,000
<b>Total GMP</b>		<b>\$25,422,614</b>

**BUILDING COST BREAKOUT IS FOR INFORMATIONAL PURPOSES ONLY**

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Demolition  
 Bid Package Number: 02A  
 Cost Code: 02 41 16.13  
 Division: 02050

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	EI Leon	N & P	JAMPRO	Miami Wrecking	The BG Group	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	333,000	279,000	No Bid	252,000	No Bid		
Bond Premium		incl	incl	n/a	add below	n/a		n/a
					8,820			
Install Floor Protection (to remain throughout construction)		incl	73,000	No Bid	incl	No Bid		
Ceiling Demo Complete		incl	incl	No Bid	incl	No Bid		
1, 2, 5 West HS. 6, 12, 13, 14, 15, 16, 17, 33, 35, 36.								
Ceiling Demo Corridors		incl	incl	No Bid	incl	No Bid		
3, 4, 5 East (MS)								
Restroom Finishes and Concrete Floors		incl	incl	No Bid	incl	No Bid		
Walls, Floors, Doors and Windows		incl	incl	No Bid	incl	No Bid		
Concrete Steps in Building 15		incl	incl	No Bid	incl	No Bid		
MEP Demo by others		incl	incl	No Bid	incl	No Bid		
Pirtle Bid Form		incl	incl		incl			
Rev 3 Pricing Adjustment		incl	incl	No Bid		No Bid		
Bond Premium Adjustment		-6,500	-9,000	No Bid	-8,820	No Bid		
Final Price Adjustment								
SBBC M/WBE Participation		Yes	Yes	-	Yes	-		-
<b>TOTALS:</b>		<b>326,500</b>	<b>343,000</b>	<b>0</b>	<b>252,000</b>	<b>0</b>		<b>0</b>

**BEST COMBINATION:** 252,000 Miami Wrecking

**RECOMMENDED SUBCONTRACTOR: Miami Wrecking**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) N&P Bid Amount Revised from Bid Day per Revised Bid Form 12/5/2018
- 2) Miami Wrecking Bid Amount Revised from Bid Day, after scope analysis to include complete scope of work Revised Bid Form Dated 12/10/2018
- 3)
- 4)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Concrete & Masonry  
 Bid Package Number: 3A  
 Cost Code: 03 30 00  
 Division: 033000

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	El Leon	Beck Concrete	DS Tilt	Shellcon	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	80,280	126,439	No Bid	No Bid			
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Concrete Floors at Bathrooms		incl	incl	No Bid	No Bid			
Concrete Sidewalks		incl	incl	No Bid	No Bid			
Masonry Reinforcement		incl	incl	No Bid	No Bid			
Additional Sidewalk Repairs (400SqFt)		incl	incl	No Bid	No Bid			
Housekeeping Pads		10,000	NO	No Bid	No Bid			
Pirtle Bid Form		incl	incl	No Bid	No Bid			
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		Yes	-	-	-	-	-	-
<b>TOTALS:</b>		<b>90,280</b>	<b>126,439</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BEST COMBINATION:</b>		<b>90,280 El Leon</b>						

**RECOMMENDED SUBCONTRACTOR: El Leon**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

Notes:  
 1) Shellcon was going to bid, ran out of time day before bid day, declined to provide late bid  
 2)  
 3)  
 4)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Misc. Metals  
 Bid Package Number: 05A  
 Cost Code: 05 12 23  
 Division: 05120

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Misc. Metal Fab	Mo Steel	Suncor	Atlas Apex	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	29,321	No Bid	41,450	43,500			
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
		<b>Late Bid</b>						
Furnish and Install Roof Ladders		incl	No Bid	incl	incl			
Furnish and Install Roof Parapet Ladders		incl	No Bid	incl	incl			
Furnish and install Roof Railings		incl	No Bid	incl	incl			
Furnish Signed and Sealed Shop Drawings		6,000	No Bid	incl	incl			
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation								
<b>TOTALS:</b>		<b>35,321</b>	<b>0</b>	<b>41,450</b>	<b>43,500</b>	<b>0</b>	<b>0</b>	<b>0</b>

**BEST COMBINATION:** 35,321 Misc. Metal Fab.

**RECOMMENDED SUBCONTRACTOR: Misc. Metal Fab.**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Atlas Apex Provided Alternate pricing for Roof Ladders and Railings
- 2) Miscellaneous Metals Provided Late Bid Dated 11/27/2018
- 3)
- 4)
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Millwork  
 Bid Package Number: 06A  
 Cost Code: 06 41 16  
 Division: 06410

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:							
Description	Quantity	Allpoints Design	Keane	KMI	Advanced	Cayman	Institutional	Steve Ward	
Subcontractor Bid Proposal	1 LS	No Bid	9,420	No Bid	No Bid	No Bid	No Bid	No Bid	
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Building 15 Band Room Millwork		No Bid	incl	No Bid	No Bid	No Bid	No Bid	No Bid	
Add for Rev 3 (Additional Counters Band Room)		No Bid	1,863	No Bid	No Bid	No Bid	No Bid	No Bid	
Cabinetry Budget Estimate			27,500						
Bond Premium Adjustment									
Final Price Adjustment									
SBBC M/WBE Participation		-	-	-	-	-	-	-	
<b>TOTALS:</b>		<b>0</b>	<b>38,783</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**BEST COMBINATION:** 38,783 Keane

**RECOMMENDED SUBCONTRACTOR: Keane**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

- Notes:
- 1) Keane revised price 12/10 to include Rev 3.
  - 2) The scope for this trade is under \$15,000 and only 1 bid was received
  - 3)
  - 4)
  - 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Roofing  
 Bid Package Number: 07A  
 Cost Code: 07 51 00  
 Division: 075000

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: \$37.38

SCOPE OF WORK		SUBCONTRACTOR:							
Description	Quantity	Advanced Roofing	Atlas Apex	Decktight	Grace Roofing	Tecta	Latite	*Estimate*	
Subcontractor Bid Proposal	1 LS	8,240,000	7,976,000	8,595,664	5,484,436	8,046,250		No Bid	
Bond Premium		incl	incl	incl	n/a	incl		n/a	
					<b>NONRESPONSIVE Bid Incomplete not able to perform full scope</b>				
Roof Demolition including protection and clean-up		incl	incl	incl		incl		No Bid	
Provide roof testing per Contract Documents		incl	incl	incl		incl		No Bid	
Protection of partially completed roofing		incl	incl	incl		incl		No Bid	
Replace Metal Decking as Shown		incl	incl	incl		incl		No Bid	
Provide Guards Rails and Safety Equipment		incl	incl	incl		incl		No Bid	
Provide 24x24 walk pads @ all Equipment		incl	incl	incl		incl		No Bid	
Provide New Roof Hatches		incl	incl	incl		incl		No Bid	
Provide All Gutters and Downspouts per plans		incl	incl	incl		incl		No Bid	
Provide flashing and sealing of all roof penetrations		incl	incl	incl		incl		No Bid	
Install all curbs provided by others		incl	incl	incl		incl		No Bid	
Structural Reinforcement for Openings		incl	incl	incl		incl		No Bid	
Structural Reinforcement of Joists		incl	incl	incl		incl		No Bid	
Roof Ladders		NO	-31,500	incl		incl		No Bid	
Roof Railings		NO	-12,000	incl		incl		No Bid	
Repairs to 10% of Existing to Remain Decking		incl	incl	incl		incl		No Bid	
Signed and Sealed Shop Drawings									
Composite Cleanup		incl	incl	incl		incl		No Bid	
Rev 3 Post Bid Addendum Price Adjustments (Add Details)		incl	incl			incl		No Bid	
Bond Premium Adjustment									
Final Price Adjustment									
SBBC MWBE Contractor		Partial	Partial	Partial	Yes	Partial	-	-	
<b>TOTALS:</b>		<b>8,240,000</b>	<b>7,932,500</b>	<b>8,595,664</b>	<b>Incomplete</b>	<b>8,046,250</b>	<b>0</b>	<b>0</b>	
<b>BEST COMBINATION:</b>		<b>7,932,500</b>	<b>Atlas Apex</b>						

**RECOMMENDED SUBCONTRACTOR: Atlas Apex**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

Notes:  
 1) Grace Roofing unable to provide complete Scope of Work, cannot perform metal deck replacement or structural reinforcing because they do not have GC License, therefore the bid is determined to be non responsive.

Notes cont: Grace Roofing submitted their bid for roofing work at Nova HS without including work shown on our bid form under items 22, 26, 27, 42 and 44. These items relate to the replacement of gypsum decking with new steel decking (items 27 and 44) and structural reinforcement of roof openings, joists, and beams (items 22, 26, and 27). They noted on the bid form that they were not able to perform this scope of work because the scope was not within their license (see attached bid form). In order to perform the steel work in addition to the roofing work, the bidders must have a general contractor's license in addition to their roofing license, which Grace Roofing does not have, and their bid must be considered nonresponsive. In addition, as Grace Roofing's Bid has numerous items excluded it cannot be used for evaluation or comparisons.



**NOVA HIGH SCHOOL RENOVATIONS**



Date of Bid: November 20, 2018  
 Scope of Work: Roofing  
 Bid Package Number: 07A  
 CSI Code: 07 51 00  
 n: 075000

**Roofing Cost Breakout**

Building #	Type of work	Roof Sqft	Cost/Sqft	Building Cost
Building # 1	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	2800	\$57.14	\$160,000
Building # 2	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	5100	\$52.35	\$267,000
Building # 6	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	22500	\$43.91	\$988,000
Building # 13	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	19200	\$43.54	\$836,000
Building # 14	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	26200	\$37.71	\$988,000
Building # 15	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	5700	\$45.09	\$257,000
Building # 16	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	22600	\$37.52	\$848,000
Building # 17	Demo roof, remove gypsum deck, reinforce joists, new metal deck, LWC, and roof	20800	\$44.33	\$922,000
<b>Cost per Sq. Ft. for roofing with replacement of gypsum deck roofs</b>			<b>\$42.16</b>	
Building # 10	Re-roof with new LWC over existing concrete deck	1000	\$37.00	\$37,000
Building # 11	Re-roof with new LWC over existing metal and tectum deck	11200	\$34.11	\$382,000
Building # 12	Re-roof with new LWC over existing deck	17200	\$28.95	\$498,000
Building # 32	Re-roof with new LWC over existing metal deck	16500	\$27.27	\$450,000
Building # 33	Re-roof with new LWC over existing metal deck	9400	\$29.15	\$274,000
Building # 34	Re-roof with new LWC over existing metal deck	15500	\$27.77	\$430,500
Building # 37	Re-roof with new LWC over existing metal deck	5600	\$31.96	\$179,000
<b>Cost per Sq. Ft. for roofing with no deck replacement</b>			<b>\$29.46</b>	
Building # 18	Re-roof with LWC over existing deck tectum/ concrete (partial) and new metal deck (partial)	10900	\$35.78	\$390,000
Building # 38	Strapping Fans	N/A	N/A	\$1,000
Building # 26	Roof Equipment Tie Downs	N/A	N/A	\$3,000
Building # 5	Curbs	N/A	N/A	\$22,000
<b>SUBTOTAL (COW)</b>				<b>\$7,932,500</b>
<b>BUILDING COST BREAKOUT IS FOR INFORMATIONAL PURPOSES ONLY</b>				
<b>Roofing Cost Per Square Footage from Subcontractor's Takeoffs</b>				

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Metal Doors and Frames  
 Bid Package Number: 08A  
 Cost Code: 08 11 13  
 Division: 081000

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Cardinal	JJAS	Mills & Nebraska	Next Door	Pinnacle	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	49,000	No Bid	48,796	58,790	No Bid		
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Supply Hollow Metal Frames		incl	No Bid	incl	incl	No Bid		
Supply Wood Doors		incl	No Bid	incl	incl	No Bid		
Supply Metal Doors		incl	No Bid	incl	incl	No Bid		
Vision Panels By Others		incl	No Bid	incl	incl	No Bid		
Supply Door Hardware		incl	No Bid	incl	incl	No Bid		
Installation Of Frames Doors and Hardware		7,200	No Bid	10,000	9,510	No Bid		
Add for Post Bid Rev 3 (Vision Panels)		incl	No Bid			No Bid		
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		-	-	-	-	-	-	-
<b>TOTALS:</b>		<b>56,200</b>	<b>0</b>	<b>58,796</b>	<b>68,300</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BEST COMBINATION:</b>		<b>56,200</b>	<b>Cardinal</b>					

**RECOMMENDED SUBCONTRACTOR: Cardinal**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Next Door Provided Installation price 11/29/18 via Partner Company
- 2) Cardinal confirmed no price change for Rev 3 Addendum 12/12/18
- 3)
- 4)
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Aluminum Entrances and Storefront  
 Bid Package Number: 08B  
 Cost Code: 08 41 13  
 Division: 08410

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	A-Christian	Sol-a-Trol	Cherokee	IB Glazing	Miller Glass	Perspective	Vigilante Glass
Subcontractor Bid Proposal	1 LS	No Bid	54,232	No Bid	No Bid	No Bid	56,800	57,355
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Storefront System		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Building 5		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Building 13		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Building 33		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Glazing for HM Doors		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Building 5		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Building 15		No Bid	incl	No Bid	No Bid	No Bid	incl	incl
Post Bid Addendum Rev 3 Additional Vision Panels		No Bid	incl	No Bid	No Bid	No Bid		
Water infiltration testing			10,000				10,000	10,000
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		-	-	-	-	-	-	-
<b>TOTALS:</b>		0	64,232	0	0	0	66,800	67,355
<b>BEST COMBINATION:</b>		64,232	Sol-a-Trol					

**RECOMMENDED SUBCONTRACTOR: Sol-a-Trol**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

- Notes:
- 1) Miller Glass declined to bid after determining they are unable to provide per specifications.
  - 2) Perspective glass provided late bid dated 12/12/2018
  - 3) Vigilante Glass provided late bid dated 12/12/2018
  - 4)
  - 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Metal Framing and Gypsum Board  
 Bid Package Number: 09A  
 Cost Code: 09 29 82  
 Division: 09260

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:							
Description	Quantity	Applegate	D&D Quality	RMC	Atlantic Interior	Eastern Plaster	FMA Constructi	Universal	
Subcontractor Bid Proposal	1 LS	997,000	2,124,000	2,849,598	No Bid	No Bid	No Bid	No Bid	
Bond Premium		incl	n/a	incl	n/a	n/a	n/a	n/a	
Fill in and Stucco patch at old Roof Over Flows		incl	incl	incl	No Bid	No Bid	No Bid	No Bid	
Repair Walls to deck @ 1, 2, 6, 13, 14, 15, 16, 17		550,000	incl	incl	No Bid	No Bid	No Bid	No Bid	
Frame and Drywall soffits for new RWL's		incl	incl	incl	No Bid	No Bid	No Bid	No Bid	
Patch/Repair After FA and MEP Work		incl	incl	incl	No Bid	No Bid	No Bid	No Bid	
New Walls/Ceilings at Bathrooms		incl	incl	incl	No Bid	No Bid	No Bid	No Bid	
Patch at Fire Rated Assemblies		45,000	incl	incl	No Bid	No Bid	No Bid	No Bid	
Code Required Repairs		incl	incl	incl	No Bid	No Bid	No Bid	No Bid	
Composite Clean-up		incl	incl	incl	No Bid	No Bid	No Bid	No Bid	
Post Bid Addendum Rev 3 Pricing		20,485			No Bid	No Bid	No Bid	No Bid	
Bond Premium Adjustment		-16,500	n/a	-82,998					
Final Price Adjustment									
SBBC M/WBE Participation		Yes	-	-	-	-	Yes	-	
<b>TOTALS:</b>		<b>1,595,985</b>	<b>2,124,000</b>	<b>2,766,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**BEST COMBINATION:** 1,595,985 Applegate

**RECOMMENDED SUBCONTRACTOR: Applegate**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Applegate pricing includes bid options on Bid Form
- 2)
- 3)
- 4)
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Ceramic and Quarry Tile  
 Bid Package Number: 09B  
 Cost Code: 09 30 00  
 Division: 09310

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Acousti	Vassell	Zaharion's	Supreme	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	98,200	40,553	61,690	51,360			
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Deduct Resilient Flooring Price		-46,400						
Composite Clean-up		NO	NO	incl	incl			
Floor Prep and Leveling		NO	incl	incl	incl			
Extra Stock		incl	incl	incl	incl			
Pirtle Bid Form		NO	incl	incl	incl			
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		-	Yes	Yes	Yes	-	-	-
<b>TOTALS:</b>		<b>51,800</b>	<b>40,553</b>	<b>61,690</b>	<b>51,360</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BEST COMBINATION:</b>		<b>40,553 Vassell</b>						

**RECOMMENDED SUBCONTRACTOR: Vassell**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

- Notes:
- 1) Zaharion's Base Bid Revised from bid day per revised scope 12/6/18
  - 2) Supreme Base Bid Revised from bid day per revised scope 12/7/2018
  - 3)
  - 4)
  - 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Acoustical Tile Ceiling  
 Bid Package Number: 09510  
 Cost Code: 09 51 23  
 Division: 09

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:							
Description	Quantity	Acousti	Bergolla	Supreme	Amion	Atlantic Interior	CIC	*Estimate*	
Subcontractor Bid Proposal	1 LS	535,000	No Bid	800,336	634,307	No Bid	No Bid		
Bond Premium		n/a	n/a	incl	incl	n/a	n/a	n/a	
F&I Wegner Package		248,121		incl	248,121				
Deduct for Owner Provided Sound Enclosure		-55,319		-55,319	-55,319				
Deduct for Owner Provided Instrument Storage		-70,219		-70,219	-70,219				
Provide wire hangers for all light fixtures (New and Reinstalled)		NO	No Bid	incl	incl	No Bid	No Bid		
Vinyl Tile/Aluminum Grid at Bldg. 12 Kitchen		incl	No Bid	incl	incl	No Bid	No Bid		
Provide Attic Stock of 2 tiles per 100 installed of each type		incl	No Bid	incl	incl	No Bid	No Bid		
Composite Cleanup		NO	No Bid	incl	incl	No Bid	No Bid		
Post Bid Addendum Price Adjustment			No Bid	incl	incl	No Bid	No Bid		
Bond Premium Adjustment				-20,008	-18,300				
Final Price Adjustment				Yes	Yes				
SBBC M/WBE Participation		-	-			-	-	-	
<b>TOTALS:</b>		<b>657,583</b>	<b>0</b>	<b>654,790</b>	<b>738,590</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>BEST COMBINATION:</b>		<b>654,790</b>	<b>Supreme</b>						

**RECOMMENDED SUBCONTRACTOR: Supreme**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

- Notes:
- 1)
  - 2)
  - 3)
  - 4)
  - 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Resilient Tile Flooring and Carpet  
 Bid Package Number: 09D  
 Cost Code: 09 65 19  
 Division: 09660

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Acousti	Supreme	Zaharions	Franklin	B&B	Atlantic Interiors	Amion
Subcontractor Bid Proposal	1 LS	98,200	288,583	82,372	No Bid	No Bid	No Bid	No Bid
Bond Premium		n/a	incl	n/a	n/a	n/a	n/a	n/a
Flooring repairs damaged during construction		225,779	incl	225,779	No Bid	No Bid	No Bid	No Bid
VCT								
Bldg. 14 - Library Reading Room 332		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
LVT								
Bldg. 15 - Band Class 346		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Bldg. 15 - Vocal Music Room 343		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Floor Prep and leveling		ltd	incl	incl	No Bid	No Bid	No Bid	No Bid
Moisture Test		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Moisture Barrier		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Waxing - Per Manufacturer's Recommendations		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Floor Protection Specs call for Building paper		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Carpet								
Bldg. 14 - Conference Room 332F		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Bldg. 14 - Media Technical Processing 332E		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Bldg. 14 - Media Copying Room 332G		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Bldg. 14 - Conference Room 332H		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Floor Prep		ltd	incl	incl	No Bid	No Bid	No Bid	No Bid
Floor Protection Specs call for Building paper		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Composite Clean-up		NO	incl	incl	No Bid	No Bid	No Bid	No Bid
VCT Attic Stock 2% of each type		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Carpet Attic Stock 5% of each type		incl	incl	incl	No Bid	No Bid	No Bid	No Bid
Bond Premium Adjustment								
Final Price Adjustment			-7,215					
SBBC M/WBE Participation		-	Yes	Yes	-	-	-	-
<b>TOTALS:</b>		323,979	281,368	308,151	0	0	0	0
<b>BEST COMBINATION:</b>		281,368	Supreme					

**RECOMMENDED SUBCONTRACTOR: Supreme**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Zaharion's Base Bid Amount Revised from Bid Opening per Revised Proposal and Bid Form Dated 12/6/2018
- 2) Supreme C&I Revised Bid Form Dated 12/13/18 removing Bldg 6 Scope
- 3)
- 4)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: **Painting**  
 Bid Package Number: 09E  
 Cost Code: 09 90 00  
 Division: 09900

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:							
Description	Quantity	Jasper	1001 Painting	Dynamic	Bidder 4	Bidder 5	Bidder 6	*Estimate*	
Subcontractor Bid Proposal	1 LS	452,320	527,779	No Bid					
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Painting of Renovated Labs and Bathrooms		incl	incl	No Bid					
Painting of all Renovated Walls and Ceilings		incl	incl	No Bid					
Painting of Exposed Sprinkler Piping		incl	incl	No Bid					
Painting of new Doors and Frames		incl	incl	No Bid					
Second Paint after Final Fire Alarm		incl	incl	No Bid					
Canopy Fire Sprinkler Piping		incl	incl	No Bid					
Composite Clean-up		incl	incl	No Bid					
Pirtle Bid Form		incl	incl	No Bid					
Bond Premium Adjustment		-11,033	-15,773						
Final Price Adjustment									
SBBC M/WBE Participation		Yes	Yes	Yes	-	-	-	-	
<b>TOTALS:</b>		<b>441,287</b>	<b>512,006</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>BEST COMBINATION:</b>		<b>441,287</b>	<b>Jasper</b>						

**RECOMMENDED SUBCONTRACTOR: Jasper**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

- Notes:
- 1) This trade was bid to 3 MWBE bidders who all were interested in bidding. On bid day only 2 bids were received.
  - 2)
  - 3)
  - 4)



# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Signage  
 Bid Package Number: 10A  
 Cost Code: 10 14 00  
 Division: 10

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:							
Description	Quantity	A&J	Baron	Enviromental	Sign-A-Rama	Bidder 5	Bidder 6	*Estimate*	
Subcontractor Bid Proposal	1 LS	No Bid	19,140	No Bid	No Bid				
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a	
2.9 EXIT ROUTE SIGNS (1) at each Remodeled class Media Center, Music Room, all STEM Labs		No Bid	incl	No Bid	No Bid				
2.10 TOILET HANDICAPPED SIGNS (1) at each remodeled Bathroom		No Bid	incl	No Bid	No Bid				
2.11 INTERIOR SPACE NAME AND NUMBER SIGNS (1) at each Remodeled class Media Center, Music Room, all STEM Labs add signs to all of the CR / labs in buildings 6, 17, and 33.		No Bid	incl	No Bid	No Bid				
2.12 BUILDING DIRECTION SIGNS 1 directional sign at the RR of 16 directing to the ADA RR of 17.		No Bid	incl	No Bid	No Bid				
2.13 SAFETY SIGNS "FIRE EXTINGUISHER INSIDE" and "FIRE ALARM PULL STATION INSIDE" to install where needed for the locations identified in 2.11.		No Bid	incl	No Bid	No Bid				
Additional Signage Estimate			8,700						
Bond Premium Adjustment									
Final Price Adjustment									
SBBC M/WBE Participation		-	-	-	-	-	-	-	
<b>TOTALS:</b>		0	27,840	0	0	0	0	0	
<b>BEST COMBINATION:</b>		27,840	Baron						

**RECOMMENDED SUBCONTRACTOR: Baron**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) AJ Signs accepted invitation to bid 11/9, later backed out
- 2) Environmental Graphics accepted invitation to bid 11/9, did not bid
- 3) Baron Signs revised Proposal with Pirtle Bid form Dated 12/12/18
- 4)
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Specialties  
 Bid Package Number: 10A  
 Cost Code: 10 21 00  
 Division: 10

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	All Specialty	Cube Care	Mardale Special	Schedule 10	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	No Bid	809	No Bid	40,995			
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
F&I Fire Extinguishers and Cabinets	10	No Bid	NO	No Bid	incl			
F&I Bathroom Accessories	6	No Bid	NO	No Bid	incl			
F&I Toilet Compartments	6	No Bid	NO	No Bid	incl			
F&I Vertical Blinds (By Cube Care)	2	No Bid	incl	No Bid	809			
F&I Dry Erase Boards	10	No Bid	NO	No Bid	incl			
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		-	-	-	Yes	-	-	-
<b>TOTALS:</b>		0	Incomplete	0	41,804	0	0	0
<b>BEST COMBINATION:</b>		41,804 Schedule 10						

**RECOMMENDED SUBCONTRACTOR: Schedule 10**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Schedule 10 Specialist Bid Amount Revised Per Revised Proposal 12/11 to include dry erase and fire extinguishers
- 2) Mardale accepted invitation to bid, unable to bid at bidtime
- 3) Cube Care Price added to Schedule 10 to complete scope
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Building Fire Suppression Systems  
 Bid Package Number: 21A  
 Cost Code: 21 13 13  
 Division: 15300

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Arfran	Caribbean	Francis	Stanford	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	485,500	No Bid	987,800	393,825			
Bond Premium		n/a	n/a	incl	n/a	n/a	n/a	n/a
Sprinkler Main Piping at Canopies (F101)		incl	No Bid	incl	NO			
Site Demo		See Earthwork	No Bid	-402,000	incl			
Asphalt Restorations		See Earthwork	No Bid	See Earthwork	See Earthwork			
Landscape Restorations		See Earthwork	No Bid	See Earthwork	See Earthwork			
Install Bollards		See Earthwork	No Bid	See Earthwork	See Earthwork			
Sprinkler Taps and Mains		See Earthwork	No Bid	See Earthwork	See Earthwork			
FDC's, Fire Hydrants		See Earthwork	No Bid	See Earthwork	See Earthwork			
Gates Valve and PIV Assemblies		See Earthwork	No Bid	See Earthwork	See Earthwork			
Ceiling Demo In Buildings 3, 4, 5 Classrooms		incl	No Bid	incl	NO			
Selective Ceiling Demo for Sprinkler work		incl	No Bid	incl	NO			
Composite Cleanup		incl	No Bid	incl	NO			
Bond Premium Adjustment		-8,250		-19,300				
Final Price Adjustment								
SBBC M/WBE Participation		-	-	Yes	-	-	-	-
<b>TOTALS:</b>		<b>477,250</b>	<b>0</b>	<b>566,500</b>	<b>Incomplete</b>	<b>0</b>	<b>0</b>	<b>0</b>

**BEST COMBINATION: 477,250 Arfran**

**RECOMMENDED SUBCONTRACTOR: Arfran**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) See Package 21B for Site Fire Sprinkler Work
- 2) Caribbean Fire Committed to bid, backed out bid day
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Site Fire Protection Systems  
 Bid Package Number: 21B  
 Cost Code: 31 00 00  
 Division: 31

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: \$491,556.00

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Arfran	Caribbean	Francis	Stanford	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS		No Bid	402,000	448,056			
Bond Premium		n/a	n/a	n/a	add below	n/a	n/a	n/a
		<b>Incomplete Scope</b>			8,961			
Connections to existing water lines					incl	incl		
8" Fire Line DIP & Fittings					incl	incl		
6" Fire Line DIP & Fittings					incl	incl		
Furnish and install FDC's and Hydrants					incl	incl		
Furnish and install PIV assemblies					incl	incl		
Remove and replace sidewalks for fire lines					NO	incl		
Asphalt cut and replace for fire lines					NO	incl		
Furnish and install bollards					incl	incl		
Site Patching and Repairs for Electrical				54,231	incl			
Landscaping Repair Estimate				43,500	43,500			
Bond Premium Adjustment					-8,961			
Final Price Adjustment								
SBBC M/WBE Participation		-	-	Yes	-	-	-	-
<b>TOTALS:</b>		Incomplete	0	499,731	491,556	0	0	0

**BEST COMBINATION:** 491,556 Stanford

**RECOMMENDED SUBCONTRACTOR: Stanford**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Stanford Revised Bid Dated 12/13 to include Site Electrical Patching
- 2)
- 3)
- 4)
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: **Plumbing**  
 Bid Package Number: 22A  
 Cost Code: 22 10 00  
 Division: 15400

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Ackerman	CV Ocean	PMS Plumbing	Bidder 4	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	714,250	225,000	454,000				
Bond Premium		incl	n/a	add below	n/a	n/a	n/a	n/a
			<b>Incomplete Scope</b>					
Remove and Replace Roof Drains		incl	156,000	incl				
Cast Iron RD / RWL Piping		incl	NO	incl				
Secondary Drains, RWL's and Scuppers		incl	incl	incl				
Insulate all interior Roof Drain Piping		incl	incl	incl				
Raise all vents for new roofing		incl	incl	incl				
Interior Cond. piping at HVAC Equipment		incl	incl	incl				
Roof Cond. Piping with stands		incl	incl	incl				
All Cond Piping to be Copper		incl	NO	incl				
Bathroom Renovations Bldgs 5, 14, 17		incl	incl	incl				
Provide new Floor Drains with TP		incl	incl	incl				
New Fixtures and Piping		incl	incl	incl				
All Domestic Water Piping to be Copper		incl	incl	incl				
Bldg. 6		incl	incl	incl				
HWR Pump and Piping		incl	incl	incl				
Solenoid Valves w/ ISIMET Cabinet		incl	incl	incl				
Install Owner Provided Fixtures at Labs		incl	incl	incl				
Pirtle Bid Form		incl	incl	incl				
Bond Premium Adjustment		-14,000	n/a	-11,100				
Final Price Adjustment								
SBBC M/WBE Participation		Partial	Yes	No	-	-	-	-
<b>TOTALS:</b>		700,250	Incomplete	442,900	0	0	0	0
<b>BEST COMBINATION:</b>		442,900	PMS Plumbing					

**RECOMMENDED SUBCONTRACTOR: PMS Plumbing**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

- Notes:
- 1) Ackerman Provided Late Bid Dated 12/11/2018
  - 2) CV Ocean incomplete package, withdrew bid 12/14/18
  - 3) PMS Updated Bid Form 12/10/18
  - 4)
  - 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: HVAC  
 Bid Package Number: 23A  
 Cost Code: 23 00 00  
 Division: 15500

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Coltec	HYVAC	SE Mechanical	Bidder 4	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	3,850,000	3,735,585	5,790,000				
Bond Premium		incl	incl	incl	n/a	n/a	n/a	n/a
				Late Bid				
Selective Demolition Per Plans		incl	incl	incl				
Furnish all new Roof Curbs 24" High		incl	incl	incl				
New centralized DDC Controls		incl	incl	incl				
Excavation and Conduit for BAS (If Needed)		incl	incl	incl				
CHWS/R Piping, Valves, Strainer and Accessories		incl	incl	incl				
New Chiller		incl	incl	incl				
New Pumps		incl	incl	incl				
New AHU's, VAV's, Exhaust Fans		incl	incl	incl				
Demo and cap abandoned HW piping		incl	incl	incl				
Refrigerant Detector/Monitoring System (Bldg. 18)		incl	incl	incl				
Condensate piping		By Plumber	By Plumber	By Plumber				
F&I all VFDs for Mech Equip		incl	incl	incl				
Bldg. 5 - R/R Window Unit (A05-102)		incl	incl	incl				
Bldg. 16 - R/R Roof CHW Piping, stands, curbs		incl	incl	incl				
Bldg. 16 - Testing & Report of Ductwork		incl	incl	incl				
Submit plan and proposal for duct cleaning.								
Bldg. 16 - Modify Fume Hood, Duct and Controls		incl	incl	incl				
Bldg. 32 - R/S/R Smoke Doors, Provide Curbs		incl	incl	incl				
Composite Cleanup		incl	incl	incl				
Bond Premium Adjustment		-38,000	-36,986	-48,000				
Final Price Adjustment								
SBBC MAWBE Participation		Yes	Yes	-	-	-	-	-
<b>TOTALS:</b>		<b>3,812,000</b>	<b>3,698,599</b>	<b>5,742,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BEST COMBINATION:</b>		<b>3,698,599</b>	<b>HYVAC</b>					

**RECOMMENDED SUBCONTRACTOR: HYVAC**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Hyvac Bid Amount Revised from Bid Day per Revised Proposal 12/11/18
- 2) SE Mechanical late bid dated 11/26/18
- 3)
- 4)
- 5)

# NOVA HIGH SCHOOL

**Pirtle Construction Company**  
**SUBCONTRACTOR BID EVALUATION**

Date of Bid: November 20, 2018  
 Scope of Work: Electrical  
 Bid Package Number: 26A  
 Cost Code: 26 00 00  
 Division: 160000

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK	Quantity	SUBCONTRACTOR:						
		C&F	Canseco	EAC	Superior	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	4,697,770	4,133,000	3,075,000	2,911,350			
Bond Premium		incl	n/a	incl	incl	n/a	n/a	n/a
Site Electrical		incl	incl	incl	incl			
Temp lighting as needed in buildings		incl	incl	incl	incl			
Electrical Demolition (All Elec Demo to be by EC)		incl	incl	incl	incl			
Demo, Store, Clean and Reinstall Light Fixtures (Buildings 1,2,5,6,11,12,13,17)		incl	incl	incl	incl			
Provide new Emergency Light Fixtures and Exit Signage		incl	incl	incl	incl			
Provide new lighting fixtures per plans		incl	incl	incl	incl			
Provide new panels, transformers and switchgear		incl	incl	incl	incl			
Provide service disconnects for new HVAC Equip		incl	incl	incl	incl			
Diesel Generator with 24-hour fuel tank		incl	incl	incl	incl			
Provide power wiring to new HVAC EMS devices		incl	incl	incl	incl			
Indpt. testing of existing Grounding System and Feeders		incl	incl	incl	incl			
Complete Fire Alarm System Per Plans		incl	incl	incl	incl			
FA Alarm - Site		incl	incl	incl	incl			
31 Modular Buildings (2 Devices Each)		incl	incl	incl	incl			
New panels, master and slaves		incl	incl	incl	incl			
All new conduit and wiring as required		incl	incl	incl	incl			
All New Devices per plans		incl	incl	incl	incl			
Provide Duct Detectors, Install with FA		incl	incl	incl	incl			
Drawings/Permitting		incl	incl	incl	incl			
Patching of Landscape, Sidewalks and Pavement Areas		See 21B	See 21B	See 21B	See 21 B			
Art Room Budget Estimate		17,400	17,400	17,400	19,835			
Music Room Budget Estimate		43,500	43,500	43,500	43,500			
STEM Lab Budget Estimate		87,000	87,000	87,000	87,000			
Composite Cleanup		incl	incl	incl	incl			
Rev 3 Price Adjustment				incl	incl			
Relamp reinstalled fixtures		NO	NO	NO	incl			
Code Related Repairs		NO	NO	NO	incl			
Bond Premium Adjustment		-65,000	n/a	-30,000	-34,936			
Final Price Adjustment								
SBBC M/WBE Participation		-	Yes	Yes	Yes	-	-	-
<b>TOTALS:</b>		<b>4,780,670</b>	<b>4,280,900</b>	<b>3,192,900</b>	<b>3,026,749</b>	<b>0</b>	<b>0</b>	<b>0</b>

**BEST COMBINATION: 3,026,749 Superior**

**RECOMMENDED SUBCONTRACTOR: Superior**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

**Notes:**

- 1) Superior revised base bid 12/13 to include relamping ETR fixtures
- 2)
- 3)
- 4)
- 5)

# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Chain Link Fencing  
 Bid Package Number: 32A  
 Cost Code: 32 13 13  
 Division: 32

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: -

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Anything in Fend	Tropic	Carlson Fence	Fence Solutions	Gomez and Son	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS	18,667	18,100	No Bid	No Bid	No Bid		
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fencing enclosure at new fire sprinkler risers		incl	incl	No Bid	No Bid	No Bid		
Lockable gate at each new enclosure		incl	incl	No Bid	No Bid	No Bid		
Pirtle Bid Form		incl	incl	No Bid	No Bid	No Bid		
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		Yes	Yes	-	-	-	-	-
<b>TOTALS:</b>		<b>18,667</b>	<b>18,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BEST COMBINATION:</b>		<b>18,100 Tropic</b>						

**RECOMMENDED SUBCONTRACTOR: Tropic**

Estimate Prepared by: MS  
 Estimate Reviewed by: SKL/DW

Notes:

- 1)
- 2)
- 3)
- 4)
- 5)



# NOVA HIGH SCHOOL

## Pirtle Construction Company SUBCONTRACTOR BID EVALUATION

Date of Bid: November 20, 2018  
 Scope of Work: Budget Estimates  
 Bid Package Number: 00  
 Cost Code: 00  
 Division: 00

Pirtle Estimate No/Ref: GMP  
 Project Number: P.001817  
 Cost per SF: \$250,000.00

SCOPE OF WORK		SUBCONTRACTOR:						
Description	Quantity	Budget Estimate	Bidder 2	Bidder 3	Bidder 4	Bidder 5	Bidder 6	*Estimate*
Subcontractor Bid Proposal	1 LS							
Bond Premium		n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>SBBC Requested Budget Estimates</b>								
Aluminum Walkway Cover Budget Estimate		250,000						
Bond Premium Adjustment								
Final Price Adjustment								
SBBC M/WBE Participation		-	-	-	-	-	-	-
<b>TOTALS:</b>		250,000	0	0	0	0	0	0
<b>BEST COMBINATION:</b>		250,000 Budget Estimates						
Estimate Prepared by: MS Estimate Reviewed by: SKL/DW		Notes:						
		1)						
		2)						
		3)						
		4)						
		5)						

**GENERAL REQUIREMENTS Nova High School**

Description	Quantity	Unit	Unit Costs				Total Costs				General Requirements Total \$
			Labor \$	Material \$	Sub \$	Equip \$	Labor \$	Material \$	Sub \$	Equip \$	
<b>SURVEYS</b>											
Surveys (initial control & verification)	1	ls			5,000.00		-	-	5,000.00	-	5,000.00
Utility Location	1	ls			15,000.00		-	-	15,000.00	-	15,000.00
										<b>Sub-total</b>	<b>20,000.00</b>
<b>FIELD OFFICE</b>											
Field Office (Trailer)	28	mo			1,823.00		-	-	51,044.00	-	51,044.00
Move In / Set Up / Move Out	1	ls			11,519.00		-	-	11,519.00	-	11,519.00
Storage Trailer	56	mo			300.00		-	-	16,800.00	-	16,800.00
Move In / Move Out	1	ls			250.00		-	-	250.00	-	250.00
Office Furniture	1	ls			7,500.00		-	-	7,500.00	-	7,500.00
Office Supplies - Start-up	1	ls		200.00			-	200.00	-	-	200.00
Office Supplies	28	mo		200.00			-	5,600.00	-	-	5,600.00
Office Cleaning Service	28	mo			225.00		-	-	6,300.00	-	6,300.00
Security System - Install	1	ls			850.00		-	-	850.00	-	850.00
Security System - Monitor	28	mo			50.00		-	-	1,400.00	-	1,400.00
Temporary Toilets (Avg of 4)	28	mo			680.00		-	-	19,040.00	-	19,040.00
Temporary Tanks (1)		mo			300.00		-	-	-	-	-
										<b>Sub-total</b>	<b>120,503.00</b>
<b>OFFICE EQUIPMENT</b>											
Copy Machine	28	mo			375.00		-	-	10,500.00	-	10,500.00
										<b>Sub-total</b>	<b>10,500.00</b>
<b>COMPUTER EQUIPMENT</b>											
Equipment	28	mo				1,614.05	-	-	-	45,193.40	45,193.40
Software Licenses							-	-	-	-	-
										<b>Sub-total</b>	<b>45,193.40</b>
<b>TELEPHONE SYSTEM</b>											
Data Plan (Wireless Aircard)	28	mo			200.00		-	-	5,600.00	-	5,600.00
Cellular Telephones (5 Phones)	28	mo			325.00		-	-	9,100.00	-	9,100.00
2 Way Radio	4	ea			687.00		-	-	2,748.00	-	2,748.00
										<b>Sub-total</b>	<b>17,448.00</b>
<b>POSTAGE &amp; COURIER</b>											
Monthly Charges	28	mo			100.00		-	-	2,800.00	-	2,800.00
										<b>Sub-total</b>	<b>2,800.00</b>

GENERAL REQUIREMENTS Nova High School

Description	Quantity	Unit	Unit Costs				Total Costs				General Requirements Total \$
			Labor \$	Material \$	Sub \$	Equip \$	Labor \$	Material \$	Sub \$	Equip \$	
DRAWINGS											
Drawing Reproduction	1	ls			7,200.00		-	-	7,200.00	-	7,200.00
As Built Drawings & Training DVD	1	ls		4,000.00			-	4,000.00	-	-	4,000.00
<b>Sub-total</b>										<b>11,200.00</b>	
POWER COMPANY CHARGES											
Temporary Power Connection	1	ls			7,500.00		-	-	7,500.00	-	7,500.00
Temporary Power & Light for Trailer (per month)	28	mo			225.00		-	-	6,300.00	-	6,300.00
<b>Sub-total</b>										<b>13,800.00</b>	
WATER CHARGES											
Bottle Water Service in Trailer	28	mo			100.00		-	-	2,800.00	-	2,800.00
Ice	28	mo			200.00		-	-	5,600.00	-	5,600.00
Temporary Water Source / Install	1	ls		2,750.00			-	2,750.00	-	-	2,750.00
Water for field office & work (monthly)	28	mo		75.00			-	2,100.00	-	-	2,100.00
<b>Sub-total</b>										<b>13,250.00</b>	
PROGRESS PHOTOGRAPHS											
Progress/Aerial Photographs	28	mo			125.00		-	-	3,500.00	-	3,500.00
<b>Sub-total</b>										<b>3,500.00</b>	
SAFETY & SECURITY											
Temporary Stairs & Scaffolding	1	ls	6,000.00			15,000.00	6,000.00	-	-	15,000.00	21,000.00
First Aid Supplies / Kit	1	ls		500.00			-	500.00	-	-	500.00
General Safety Supplies (Hard Hats/Safety Glasses/Harness/etc.)	1	ls		3,500.00			-	3,500.00	-	-	3,500.00
Safety Inspections	16	ea		600.00			-	9,600.00	-	-	9,600.00
Fire Extinguishers	18	ea		85.00			-	1,530.00	-	-	1,530.00
Badging	12	ea		100.00			-	1,200.00	-	-	1,200.00

**GENERAL REQUIREMENTS Nova High School**

Description	Quantity	Unit	Unit Costs				Total Costs				General Requirements Total \$
			Labor \$	Material \$	Sub \$	Equip \$	Labor \$	Material \$	Sub \$	Equip \$	
Drug Testing	3	ea		100.00			-	300.00	-	-	300.00
Temporary Fencing - Rentals	1	ls			39,810.10		-	-	39,810.10	-	39,810.10
Temporary Fencing - Relocation Mobilizations Labor	1	ls			48,922.50		-	-	48,922.50	-	48,922.50
Gate Guard	1	ls			174,720.00			-	174,720.00	-	174,720.00
<b>Sub-total</b>											<b>301,082.60</b>
<b>CLEANING</b>											
General Purpose Labor	80	wk	1,280.00				102,400.00				102,400.00
Dumpsters / Dump Charges	103	ea			400.00		-	-	41,200.00	-	41,200.00
Final Building Cleaning	350,000	sf			0.23		-	-	80,500.00	-	80,500.00
<b>Sub-total</b>											<b>224,100.00</b>
<b>JOB SIGNS</b>											
Construction Signs	2	ea	750.00	1,200.00			1,500.00	2,400.00	-	-	3,900.00
<b>Sub-total</b>											<b>3,900.00</b>
<b>IAQ / NPDES MANAGEMENT</b>											
Lunch Tables		ea	50.00	120.00			-	-	-	-	-
Lunch Tents		ea	50.00	500.00			-	-	-	-	-
Misc Material (visqueen, lumber, construction mats)	4	ea	740.00	700.00			2,960.00	2,800.00	-	-	5,760.00
<b>Sub-total</b>											<b>5,760.00</b>
<b>MISCELLANEOUS</b>											
Small Tools & Supplies	28	mo		150.00			-	4,200.00	-	-	4,200.00
Misc Equipment	4	ea	425.00	265.00		550.00	1,700.00	1,060.00	-	2,200.00	4,960.00
Equipment Gas & Maintenance	6	ea		225.00			-	1,350.00	-	-	1,350.00
Scheduler	1	ls			85,000.00		-	-	85,000.00	-	85,000.00
NPDES Permit Fee	1	ls			125.00		-	-	125.00	-	125.00
Bond Recording Fee	1	ls			150.00		-	-	150.00	-	150.00
Truck/Vehicle		mo			800.00		-	-	-	-	-
<b>Sub-total</b>											<b>95,785.00</b>
<b>TOTAL GENERAL REQUIREMENTS</b>											<b>888,822.00</b>

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## **BASIS OF COSTS, ASSUMPTIONS AND CLARIFICATIONS**

The Guaranteed Maximum Price (GMP) includes all items contained in the permitted set of Construction Documents, dated November 15, 2018, as detailed in the drawing and specification logs that are included in this GMP package.

The following clarifications and qualifications apply to this GMP:

### **Division 01 – General Conditions:**

1. All existing FFE (Fixtures, Furniture, and Equipment) is to be removed from areas of work by SBBC, prior to construction, and reinstalled by SBBC upon completion of construction. Pirtle Construction will not be responsible for any items left in the areas of work during construction.

### **Division 09 – Finishes:**

1. Floor protection for the existing floors is included.

### **Division 10 – Specialties:**

1. All items identified in the Equipment and Furniture List on A14-422 are part of the Owner provided and installed FF&E and are not included from this proposal.

### **Division 23 – HVAC:**

1. The existing window AC to be removed and reinstalled with new windows in building 5 is included. It is assumed that the unit condition is in good working condition and no repairs nor guarantees of the performance of the unit are included. All warranties relating to this piece of existing equipment are not included.

### **Division 26 – Electrical:**

1. Relocation of low voltage wiring including cable TV, antenna, camera, and security cabling are not included from this proposal. These services will be done by SBBC prior to the construction work at each building.

### **Division 32 – Fencing & Landscaping:**

1. We have included a Budget Estimate for landscape restoration of construction staging and temporary facility areas at the end of construction.

### **Budget Estimates:**

1. We are including Budget Estimates in the amounts listed below per direction by SBBC.
  - a. Canopy \$250,000

# SBBC NOVA HIGH SCHOOL RENOVATIONS BIDDER LIST

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
<b>02 - Existing Conditions</b>						
<b>021020 - Demolition</b>						
Will Bid	Did Bid	EL LEON CONSTRUCTION, INC.	Alejandro Casas	estimating@elleonconstruction.com	(954) 674-7401	SBBC M/WBE
Won't Bid	Did Not Bid	JAMPRO DEMOLITION INC.	Noel Taylor	jampro@jamproinc.com	(305) 652-3686	SBBC M/WBE
Will Bid	Did Bid	MIAMI WRECKING CO.	Karen Harrington	estimating@miamiwrecking.com	(954) 492-2727	SBBC M/WBE
Will Bid	Did Bid	N&P CONSTRUCTION AND DEVELOPMENT, INC	Tony Piedra	apiedra80@yahoo.com	(561) 644-2443	SBBC M/WBE
Won't Bid	Did Not Bid	THE BG GROUP, L.L.C.	Logan Delsing	Bids@bgdemolition.com	(561) 998-7997	SBBC M/WBE
<b>03 - Concrete</b>						
<b>033110 - Structural Concrete &amp; Masonry</b>						
Will Bid	Did Bid	BECK CONCRETE CONSTRUCTION	Thomas Potts	tpotts@beckconcreteconstruction.com	(786) 879-4167	
Won't Bid	Did Not Bid	DS TILT	Denise Santiago	denise@dstilt.com	(954) 592-3249	SBBC M/WBE
Will Bid	Did Bid	EL LEON CONSTRUCTION, INC.	Alejandro Casas	estimating@elleonconstruction.com	(954) 674-7401	SBBC M/WBE
Won't Bid	Did Not Bid	SHELLCON CONSTRUCTION	John Washburn	john@shellconconstruction.com	(954) 900-5531	
<b>05 - Metals</b>						
<b>051210 - Structural Steel &amp; Misc Metals</b>						
Will Bid	Did Bid	MISC METAL FABRICATION, LLC.	Javier Carpio	Jcarpio@miscmetalfab.com	(954) 818-2755	
Undecided	Did Not Bid	MO STEEL FABRICATOR	Maurice Sutton	Mo@mosteel.com	(305) 945-4855	
Will Bid	Did Bid	SUNCOR, INC.	Scott Kuiper	scott@suncor.net	(305) 359-1400	
<b>06 - Wood, Plastics, and Composites</b>						
<b>062200 - Millwork &amp; Cabinets</b>						
Won't Bid	Did Not Bid	ADVANCED WOODWORKING, INC.	ken beane	ken@advanced-woodworking.com	(954) 634-3100	

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Undecided	Did Not Bid	ALL POINTS DESIGN	jaqueline bermudez	allpoints.design@yahoo.com	(305) 820-3605	SBBC M/WBE
Won't Bid	Did Not Bid	CAYMAN MANUFACTURING & INSTALLATION, INC	Josh Ferguson	josh@caymanmfg.com	(954) 421-1170	
Won't Bid	Did Not Bid	IPI	Estimating Dept.	estimating@edu-case.com	(305) 248-4955	SBBC M/WBE
Will Bid	Did Bid	KEANE ARCHITECTURAL WOODWORK	Heidi Sizemore	hsizemore@kccdesigns.com	(954) 574-9915	
Will Bid	Did Not Bid	KMI INTERNATIONAL, INC.	Carlos Rodriguez	carlos@kmiinternational.us	(561) 588-5514	SBBC M/WBE
Won't Bid	Did Not Bid	STEVE WARD & ASSOCIATES, INC.	Boe Slocumb	boe@swainc.com	(941) 704-5055	

## 07 - Thermal and Moisture Protection

### 075100 - Built-Up Roofing

Will Bid	Did Bid	ADVANCED ROOFING INC.	Debbie Giuliani	DebbieG@advancedroofing.com	(954) 522-6868	
Will Bid	Did Bid	ATLAS APEX ROOFING LLC	Estimating Dept.	estimating1@atlasapexusa.com	(954) 565-1567	
Will Bid	Did Bid	DECKTIGHT	Adnan Velic	adnan@decktight.com	(954) 970-8565	
Will Bid	Did Bid	GRACE ROOFING	Philip Rak	prak@gracerroofing.net	(954) 733-7332	SBBC M/WBE
Won't Bid	Did Not Bid	LATITE ROOFING	Latite Estimating De	bids@latite.com	(239) 985-0049	
Will Bid	Did Bid	TECTA AMERICA SOUTH FLORIDA INC.	Wayne Bisognani	wbisognani@tectaaamerica.com	(954) 419-9339	

## 08 - Doors and Windows

### 081000 - Metal Doors & Frames

Will Bid	Did Bid	CARDINAL DOOR & HARDWARE	NELSON FERNANDE	nelson@cardinaldoors.com		
Undecided	Did Not Bid	CYNAMON BROS. & SONS, INC.	Timothy Reilly	tim@cynamon.net	(305) 688-6653	
Won't Bid	Did Not Bid	HURRICANE RESISTANT CONSTRUCTION, INC.	Carol Gordon	carolgordon@hrcflorida.com	(954) 431-7935	SBBC M/WBE
Will Bid	Did Not Bid	JJAS DOOR INSTALLATIONS INC.	Soraya Marles	estimates@jjasdoors.com	(305) 887-2747	SBBC M/WBE
Will Bid	Did Bid	MILLS AND NEBRASKA	John D'Amico	jdamico@millsnebraska.com	(954) 749-9030	

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Will Bid	Did Bid	NEW DOOR INSTALLATION LLC	Karen Mullings-Bail	kbailey@ndinstall.com	(954) 358-0822	
Will Bid	Did Bid	NEXT DOOR DISTRIBUTION	Lisa Witzen	lwitzen@nextdoordistribution.com	(305) 691-1589	
Will Bid	Did Not Bid	PINNACLE DOOR & HARDWARE	John Pocrnich	jpocrnich@pinnaclehdh.com	(727) 608-2879	

### 084000 - Windows Glazing & Storefront

Undecided	Did Not Bid	A-CHRISTIAN GLASS & MIRROR	Ron Dable	craig@a-christianglass.com	(561) 278-3385	
Won't Bid	Did Not Bid	CHEROKEE GLASS & MIRROR	Dean Latta	dean@cherokeeglass.com	(561) 586-7060	
Won't Bid	Did Not Bid	I B GLAZING	Anthony Blowe	anthony@ibglazing.com	(954) 979-8999	
Won't Bid	Did Not Bid	MILLER GLASS & GLAZING INC	Bryan Fiske	bfiske@millerglass.biz	(954) 784-6601	
Will Bid	Did Bid	PERSPECTIVE GLASS CO.	Fernando Pedraza	fernando@perspectiveglass.com	(954) 773-9714	
Will Bid	Did Bid	SOL-A-TROL ALUMINUM PRODUCTS *	Edith Todzey	edith@solatrol.com	(305) 681-2020	
Will Bid	Did Bid	VIGILANTE ASSOCIATES	David Vigilante	david@vigilanteassociates.com	(305) 653-8383	

### 09 - Finishes

#### 092000 - Framing, Drywall & Plaster

Will Bid	Did Bid	APPLEGATE INTERIORS, INC.	William Applegate	wgapple@applegateinteriors.com	(561) 586-6156	SBBC M/WBE
Undecided	Did Not Bid	ATLANTIC INTERIOR CONTRACTING, INC.	Niels Pfarrer	pfarrer@gmail.com	(754) 264-5517	SBBC M/WBE
Won't Bid	Did Not Bid	ATLANTIC INTERIOR SERVICES, INC	george Saunderson	gsaunderson_aisi@bellsouth.net	(561) 575-4499	
Won't Bid	Did Not Bid	C. L. ELIAS CONSTRUCTION INC.	CHRISTI elias	christi.elias@cleliasconst.com	(305) 662-3837	SBBC M/WBE
Will Bid	Did Bid	D&D QUALITY CONSTRUCTORS, INC.	Perry III Diamond	pd3@ddqci.com	(561) 433-9515	
Won't Bid	Did Not Bid	EASTERN PLASTERING CORP.	Luis Planaa	easterncorp@bellsouth.net	(305) 592-3136	SBBC M/WBE
Won't Bid	Did Not Bid	FMA CONSTRUCTION INC.	Andres Echarte	aecharte@fmaconstructioninc.com	(954) 564-4410	SBBC M/WBE
Will Bid	Did Bid	RMC COMPANY INC.	Andy Stumpe	astumpe@rmc-co.com	(305) 278-2627	



ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Won't Bid	Did Not Bid	UNIVERSAL DRYWALL & PLASTERING, INC.	Estimating Dept.	estimating@unidrywall.com	(954) 964-9720	

#### 093000 - Ceramic & Quarry Tile

Won't Bid	Did Bid	ACOUSTI ENGINEERING COMPANY OF FLORIDA, INC.	Aimee Peterson	wpbbids@acousti.com	(561) 863-2441	
No Response	Did Not Bid	J&P TILES, INC	Melissa Gronlier-M	melissa.gronlier-moya@jptilesinc.com	(305) 232-0112	
Will Bid	Did Bid	SUPREME CEILING & INTERIOR, INC.	Herbert Williamson	Supremeceiling@comcast.net	(239) 590-6552	SBBC M/WBE
Will Bid	Did Bid	VASSELL TILE & MARBLE INC	SIMONE VASSELL	VASTILE@AOL.COM	(561) 422-3522	SBBC M/WBE
Will Bid	Did Bid	ZAHARION'S TILE INC. DBA ZAHARION'S FLOORING	Russ Zaharion	zaharions@zaharions.com	(561) 848-0454	SBBC M/WBE

#### 095100 - Acoustic Ceilings

Will Bid	Did Bid	ACOUSTI ENGINEERING COMPANY OF FLORIDA, INC.	Aimee Peterson	wpbbids@acousti.com	(561) 863-2441	
Will Bid	Did Bid	AMION ENTERPRISES	Mike Amion	aei@amion.org	(305) 252-3967	
Undecided	Did Not Bid	ATLANTIC INTERIOR CONTRACTING, INC.	J. Carlos Santeiro	dsanteiro@gcamiami.com	(305) 666-3639	SBBC M/WBE
Undecided	Did Not Bid	BERGOLLA INC	Luis Bergolla	info@bergolla.com	(305) 887-3088	SBBC M/WBE
Won't Bid	Did Not Bid	COMMERCIAL INTERIOR CONTRACTORS, CORP.	Eloise Gonzalez	eloise.gonzalez@cic-corp.com	(305) 636-3700	
Will Bid	Did Bid	SUPREME CEILING & INTERIOR, INC.	Herbert Williamson	Supremeceiling@comcast.net	(239) 590-6552	SBBC M/WBE
Won't Bid	Did Not Bid	UNIVERSAL DRYWALL & PLASTERING, INC.	Estimating Dept.	estimating@unidrywall.com	(954) 964-9720	

#### 096500 - Resilient Flooring & Carpet

Will Bid	Did Bid	ACOUSTI ENGINEERING COMPANY OF FLORIDA, INC.	Aimee Peterson	wpbbids@acousti.com	(561) 863-2441	
Undecided	Did Bid	AMION ENTERPRISES	Mike Amion	aei@amion.org	(305) 252-3967	

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Won't Bid	Did Not Bid	ATLANTIC INTERIOR SERVICES, INC	george Saunderson	gsaunderson_aisi@bellsouth.net	(561) 575-4499	
Won't Bid	Did Not Bid	B&B INTERIOR SYSTEMS, INC.	Bill Crawford	bill@bbis.info	(954) 581-0713	
Won't Bid	Did Not Bid	BRIAN'S CARPET AND COMMERCIAL FLOORING, INC.	Tricia Blash	tricia@brianscarpetwpb.com	(561) 242-9500	
Won't Bid	Did Not Bid	CORPORATE FLOORING SERVICES	PEGGY VEIGA	CFSOLUTIONS@ATT.NET	(754) 273-0553	SBBC M/WBE
Will Bid	Did Not Bid	FRANKLIN FLOORING INC.	ROZZIE FRANKLIN	rozzie@franklin-flooring.com	(305) 638-0014	SBBC M/WBE
Won't Bid	Did Not Bid	RESOURCE4FLOORS	David Vernon	david.vernon@resource4floors.com	(954) 581-8115	
Will Bid	Did Bid	SUPREME CEILING & INTERIOR, INC.	Elizabeth Mendez	admin@supremeceilinginc.com	(305) 653-7033	SBBC M/WBE
Will Bid	Did Bid	ZAHARION'S TILE INC. DBA ZAHARION'S FLOORING	Russ Zaharion	zaharions@zaharions.com	(561) 848-0454	SBBC M/WBE

#### 099000 - Painting

Won't Bid	Did Not Bid	DYNAMIC PAINTING, INC.	jupiter nascimento	jupiter@dynamicpainting.com	(561) 210-7509	SBBC M/WBE
Will Bid	Did Bid	JASPER ENTERPRISES, INC.	Eric Sweet	jasperenterprise@aol.com	(305) 757-7001	SBBC M/WBE
Will Bid	Did Bid	THOUSAND AND ONE PAINTING, CORP	Omar Jaimes	bid@1001painting.com	(954) 755-4574	SBBC M/WBE

#### 10 - Specialties

##### 101400 - Signage

Will Bid	Did Not Bid	A & J SIGNS	joaquin sanchez	ajsigns@bellsouth.net	(305) 824-0104	
Will Bid	Did Bid	BARON SIGN MANUFACTURING	Glen Spaulding	glen@baronsign.com	(800) 531-9558	
Will Bid	Did Not Bid	ENVIRONMENTAL GRAPHICS, INC.	Tom Perry	tperry@egisigns.com	(727) 376-5596	
No Response	Did Not Bid	SIGN A RAMA	Tania Berthin	info@sarmiami.com	(305) 253-5310	

##### 102113 - Toilet Partitions & Accessories

Won't Bid	Did Not Bid	ALL SPECIALTY SALES, INC	pat basilio	pat@allspecialtysales.com	(954) 568-9411	
Will Bid	Did Not Bid	MARDALE SPECIALTIES DIRECT, INC.	Mike Freeman	mfreeman@specialtiesdirect.com	(954) 510-7700	

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Will Bid	Did Bid	SCHEDULE 10 SPECIALISTS	Rena Schumacher	Rena@Schedule10.com	(954) 340-3681	SBBC M/WBE

## 12 - Furnishings

### 122100 - Window Blinds

Will Bid	Did Not Bid	CUBE CARE COMPANY	Luis Bueso	estimatingdept@cubecare.com	(305) 556-8700	
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## 21 - Fire Suppression

### 211300 - Fire Sprinklers

Will Bid	Did Bid	ARFRAN II, INC.	Jorge Asencio	bid@arfraninc.com	(305) 591-9675	
Will Bid	Did Not Bid	CARIBBEAN FIRE AND ASSOCIATES, INC.	Omar Fonseca	customerservice@caribbeanfire.com	(954) 581-9393	
Won't Bid	Did Not Bid	FARMER & IRWIN	Susan Calvaruso	scalvaruso@fandicorp.com	(561) 842-5316	
Will Bid	Did Bid	FRANCIS ENGINEERING INC	orrett francis	ofrancis@francisfire.com	(954) 584-7910	SBBC M/WBE
Won't Bid	Did Not Bid	SUMMERS FIRE SPRINKLERS,	Garret Granitto	garretg@summersfire.com	(561) 393-6718	

## 22 - Plumbing

### 220000 - Plumbing

Won't Bid	Did Not Bid	ABSOLUTE PLUMBING, LLC	Ed H.	ed@absoluteplumbingwpb.com	(561) 841-8220	
Will Bid	Did Bid	ACKERMAN PLUMBING, INC.	Eric Ackerman	eackerman@ackermanplumbinginc.com	(941) 755-7448	
Won't Bid	Did Not Bid	BEST-WAY PLUMBING, INC.	GWYN KIZIAH	office@bestwayplumbinginc.com	(954) 966-6234	
Won't Bid	Did Not Bid	BRAMBLE GROUP PLUMBING INC.	Trevor Bramble	bramblegroupplumbing@gmail.com	(305) 947-5301	SBBC M/WBE
Won't Bid	Did Not Bid	CENTERLINE PLUMBING	Todd Stiff	toddstiff@mac.com	(305) 885-1925	
Will Bid	Did Bid	CV OCEAN PLUMBING INC.	ernesto caballero	ernicaballero@hotmail.com	(305) 525-7916	SBBC M/WBE
Won't Bid	Did Not Bid	FARMER & IRWIN	Susan Calvaruso	scalvaruso@fandicorp.com	(561) 842-5316	
Won't Bid	Did Not Bid	HORIZON PLUMBING	Hasani Edwards	nicole@horizonpm.com	(305) 592-6389	
No Response	Did Not Bid	PGC MECHANICAL, INC.	Barbara Goins	bgoins@pgcmechanical.com	(305) 252-4140	
Won't Bid	Did Not Bid	PINNACLE PLUMBING, INC.	Gary Bukstel	gbukstel@pinnacleplumbinginc.com	(954) 426-5555	

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Will Bid	Did Bid	PMS PLUMBING	Brian Baker	brian@pmsplumbing.net	(954) 797-7276	
Won't Bid	Did Not Bid	PRO PLUMBING CONTRACTORS INC.	Grant Proby Jr.	GProby1@gmail.com	(561) 723-8746	
No Response	Did Not Bid	RICHLIN PLUMBING	ROHAN SUGRIM	sugrimr@bellsouth.net	(305) 258-0870	SBBC M/WBE
Won't Bid	Did Not Bid	RIGHT WAY PLUMBING COMPANY, INC.	Lynn Bryant	lbryant@rightwayplumbing.com	(954) 423-0000	
Won't Bid	Did Not Bid	STOKES MECHANICAL CONTRACTOR	Susan Stokes	SStokes@Stokes.com	(561) 582-3589	

## 23 - HVAC

### 230000 - HVAC

Will Bid	Did Bid	COLTEC ENGINEERING INC.	Lorenzo Fernandez	lfernandez@coltecengineering.com	(305) 256-0046	SBBC M/WBE
Won't Bid	Did Not Bid	COMFORT TECH A/C, INC.	Maykel Hernandez	maykel.hernandez@comfort-techinc.com	(305) 969-1206	SBBC M/WBE
Won't Bid	Did Not Bid	FARMER & IRWIN	Susan Calvaruso	scalvaruso@fandicorp.com	(561) 842-5316	
Won't Bid	Did Not Bid	FXP CORP.	Francisco Perez	fperez@fxpcorp.com	(305) 667-9145	SBBC M/WBE
Won't Bid	Did Not Bid	HORIZON PLUMBING	Hasani Edwards	nicole@horizonpm.com	(305) 592-6389	
Will Bid	Did Bid	HYVAC INC.	Daniel Cabrera	dcabrera@hyvacinc.com	(954) 427-3811	SBBC M/WBE
Undecided	Did Not Bid	KOLDAIRE, INC.	Frank Monti	fmonti@koldaire.net	(954) 747-3690	SBBC M/WBE
Will Bid	Did Bid	SOUTHEAST MECHANICAL CONTRACTORS, LLC	Christine Benitez	precon@semechanical.com	(954) 981-3600	
Won't Bid	Did Not Bid	THERMAL CONCEPTS INC.	Estimation Dept	bids@thermalconcepts.com	(954) 472-4465	

## 26 - Electrical

### 260000 - Electrical

Won't Bid	Did Not Bid	A & W ELECTRIC OF HOLLYWOOD, INC.	Mark Winzell	mwinzell0702@aol.com	(954) 527-5599	
Will Bid	Did Bid	C & F ELECTRIC	Kevin Flanagan	kc@cfelectric.com	(954) 791-1114	
Will Bid	Did Bid	CANSECO ELECTRICAL CONTRACTORS INC	Ramon Canseco	ramonjr@cansecoelectric.com	(305) 265-9909	SBBC M/WBE

ITB Response	Bid Rcvd	Company Name	Contact	Email Address	Phone	MBE/SBE
Will Bid	Did Not Bid	ELECTRICAL ALLIANCE CORPORATION	Luis Ponce	lponce@electricalalliancecorp.com	(305) 877-9780	SBBC M/WBE
Won't Bid	Did Not Bid	KENDALL ELECTRIC, INC.	Diane Bardelas	diane@kendallelectricinc.com	(305) 238-7033	
Will Bid	Did Bid	SUPERIOR ELECTRICAL	Dennet Larroude	estimating@superior-electrical.com	(305) 477-6328	SBBC M/WBE

### 31 - Earthwork & Paving

#### 310000 - Earthwork & Paving

No Response	Did Not Bid	RAM-TECH CONSTRUCTION, INC.	Tahimi Velazquez	tvelazquez@ramtechconstruction.com	(305) 259-7853	SBBC M/WBE
Won't Bid	Did Not Bid	SITEWORKS, INC.	Debra Bal	debra.siteworksinc@gmail.com	(954) 931-5105	
Will Bid	Did Bid	STANFORD CONSTRUCTION CO.	Andre Abdul	a.abdul@stanfordcc.com	(954) 783-6922	

### 32 - Site Contractor & Utilities

#### 323100 - Fence & Gates

Will Bid	Did Bid	ANYTHING IN FENCE, INC.	Rich Loss	rich@anythinginfence.com	(561) 274-4300	
Undecided	Did Not Bid	CARLSON FENCE	Kyle Davis	kyle@carlsonfence.com	(305) 593-8590	
Won't Bid	Did Not Bid	FENCE SOLUTIONS	Marissa Porven	fencesflorida@gmail.com	(786) 243-1820	SBBC M/WBE
Won't Bid	Did Not Bid	GOMEZ & SON FENCE CORP.	Albert Aguirre	albert@gomezfence.com	(305) 471-8922	SBBC M/WBE
Will Bid	Did Bid	TROPIC FENCE, INC.	Lyn Tilley	tropicfence@bellsouth.net	(954) 978-1250	SBBC M/WBE



SMALL/MINORITY/WOMEN BUSINESS ENTERPRISE  
SUBCONTRACTOR PARTICIPATION SCHEDULE

DATE 01/15/2019

SOLICITATION INFORMATION						
Contract #:	CMAR-17-003		Project Start Date:			
Project Name:	Nova Senior High School					
Project Location:	3600 College Avenue , Location No. 1281 Davie , Fl 33314					
Bidder/Proposer:	James B. Pirtle Construction Company, Inc. DBA Pirtle Construction					
Address:	5700 Griffin Road, Suite 200, Davie, FL 33314					
Contact Person:	Doug Wells	Email Address:	dwells@pirtleconstruction.com	Phone #:	954-797-0410	
ORGANIZATION STATUS						
Business Association	Business Name	Business Address	Business Phone #	Type of Work to be Performed	% of Work	\$ Amount
Prime Bidder/ Proposer	James B. Pirtle Construction Company DBA Pirtle Construction	5700 Griffin Road, Suite 200 Davie, FL 33314	954-797-0410	Construction Manager	%	\$
Non S/M/WBE Subcontractor					%	\$
S/M/WBE Subcontractor	Miami Wrecking Company	4540 NW 8th Terrace Oakland Park, FL 33317	954-791-4891	Demolition	1 %	\$ 252,000.00
S/M/WBE Subcontractor	El Leon Construction, Inc.	2640 Hollywood Blvd. Hollywood, FL 33020	754-368-8449	Concrete & Masonry	0 %	\$ 90,280.00
S/M/WBE Subcontractor	Applegate Interiors, Inc.	2100 2nd Avenue, N. Lake Worth, FL 33461	561-586-8155	Metal Framing & Gypsum Board	7 %	\$ 1,595,985.00
S/M/WBE Subcontractor	Vassell Tile & Marble, Inc.	12491 69th St. North West Palm Beach, FL 33056	561-422-3523	Ceramic & Quarry Tile	0 %	\$ 40,553.00
<b>TOTAL PARTICIPATION % &amp; DOLLAR AMOUNT:</b>					<b>40.89%</b>	<b>\$ 9,991,180.00</b>
<b>TOTAL CONTRACT AMOUNT:</b>					<b>\$ 24,437,209.00</b>	

BIDDER/PROPOSER SIGNATURE		
<p>The listing of S/M/WBE(s) shall constitute a representation by the bidder/proposer to the SBBC that the bidder/proposer believes such S/M/WBE(s) to be technically and financially qualified and available to perform the work described. Bidders/Proposers are advised that the information contained herein may be verified. I certify that all information contained in this form is true and accurate to the best of my knowledge.</p>		
 Bidder/Proposer Signature	Doug Wells, Project Executive Name & Title (Print)	02/05/2019 Date



SMALL/MINORITY/WOMEN BUSINESS ENTERPRISE  
SUBCONTRACTOR PARTICIPATION SCHEDULE

DATE 01/15/2019

SOLICITATION INFORMATION						
Contract #:	CMAR-17-003		Project Start Date:			
Project Name:	Nova Senior High School					
Project Location:	3600 College Avenue , Location No. 1281 Davie , Fl 33314					
Bidder/Proposer:	James B. Pirtle Construction Company, Inc. DBA Pirtle Construction					
Address:	5700 Griffin Road, Suite 200, Davie, FL 33314					
Contact Person:	Doug Wells	Email Address:	dwells@pirtleconstruction.com	Phone #:	954-797-0410	
ORGANIZATION STATUS						
Business Association	Business Name	Business Address	Business Phone #	Type of Work to be Performed	% of Work	\$ Amount
S/M/WBE Subcontractor	Supreme Ceiling & Interiors, Inc.	5941 NW 176th St. Unit 4 Miami, Fl 33015	305-653-7033	Acoustical Ceiling Tile	3 %	\$ 654,790.00
S/M/WBE Subcontractor	Supreme Ceiling & Interiors, Inc.	5941 NW 176th St. Unit 4 Miami, Fl 33015	305-653-7033	Resilient Tile Flooring and Carpet	1 %	\$ 281,368.00
S/M/WBE Subcontractor	Jasper Enterprises, Inc.	1000 W. Industrial Ave Boynton Beach, Fl 33426	561-572-2600	Painting	2 %	\$ 441,287.00
S/M/WBE Subcontractor	Schedule 10	3521 NW 99th Avenue Coral Springs, Fl 33065	954-340-3681	Specialties	0 %	\$ 41,804.00
S/M/WBE Subcontractor	Hyvac, Inc.	312 S. Military Trail Deerfield Beach, Fl 33442	954-427-3811	HVAC	15 %	\$ 3,698,599.00
S/M/WBE Subcontractor	Superior Electrical Contractors, Inc.	2151 NW 93rd Ave Doral, Fl 33172	305-477-6328	Electrical	12 %	\$ 2,876,414.00
<b>TOTAL PARTICIPATION % &amp; DOLLAR AMOUNT:</b>					<b>40.89%</b>	<b>\$ 9,991,180.00</b>
<b>TOTAL CONTRACT AMOUNT:</b>					<b>\$ 24,437,209.00</b>	

BIDDER/PROPOSER SIGNATURE		
<p>The listing of S/M/WBE(s) shall constitute a representation by the bidder/proposer to the SBBC that the bidder/proposer believes such S/M/WBE(s) to be technically and financially qualified and available to perform the work described. Bidders/Proposers are advised that the information contained herein may be verified. I certify that all information contained in this form is true and accurate to the best of my knowledge.</p>		
 Bidder/Proposer Signature	Doug Wells, Project Executive Name & Title (Print)	02/05/2019 Date



**SMALL/MINORITY/WOMEN BUSINESS ENTERPRISE  
SUBCONTRACTOR PARTICIPATION SCHEDULE**

**DATE** 01/15/2019

**SOLICITATION INFORMATION**

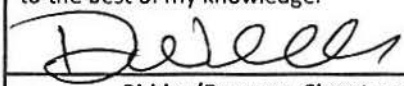
<b>Contract #:</b>	CMAR-17-003	<b>Project Start Date:</b>	
<b>Project Name:</b>	Nova Senior High School		
<b>Project Location:</b>	3600 College Avenue , Location No. 1281 Davie , Fl 33314		
<b>Bidder/Proposer:</b>	James B. Pirtle Construction Company, Inc. DBA Pirtle Construction		
<b>Address:</b>	5700 Griffin Road, Suite 200, Davie, FL 33314		
<b>Contact Person:</b>	Doug Wells	<b>Email Address:</b>	dwells@pirtleconstruction.com
		<b>Phone #:</b>	954-797-0410

**ORGANIZATION STATUS**

Business Association	Business Name	Business Address	Business Phone #	Type of Work to be Performed	% of Work	\$ Amount
S/M/WBE Subcontractor	Tropic Fence, Inc.	1864 NW 21st Street Pompano Beach, FL 33069	954-978-1250	Chain Link Fencing	0 %	\$ 18,100.00
S/M/WBE Subcontractor					%	\$
S/M/WBE Subcontractor					%	\$
S/M/WBE Subcontractor					%	\$
S/M/WBE Subcontractor					%	\$
S/M/WBE Subcontractor					%	\$
<b>TOTAL PARTICIPATION % &amp; DOLLAR AMOUNT:</b>					<b>40.89%</b>	<b>\$ 9,991,180.00</b>
<b>TOTAL CONTRACT AMOUNT:</b>						<b>\$ 24,437,209.00</b>

**BIDDER/PROPOSER SIGNATURE**

The listing of S/M/WBE(s) shall constitute a representation by the bidder/proposer to the SBBC that the bidder/proposer believes such S/M/WBE(s) to be technically and financially qualified and available to perform the work described. Bidders/Proposers are advised that the information contained herein may be verified. I certify that all information contained in this form is true and accurate to the best of my knowledge.

  
 Bidder/Proposer Signature

Doug Wells, Project Executive  
 Name & Title (Print)

02/05/2019  
 Date



## Nova High School - GMP Requests for Clarification

### REQUESTS FOR INFORMATION

OWNER: School Board of Broward County  
 OWNER PROJECT NO.: P.001817  
 SQUARE FOOTAGE:  
 REVIEW DATE: 11/15/2018  
**RFI**

1	2	3	4	5	6	7	8	9
Item No.	Building #	Drawing / Specification	Description	Owner/Architect/Engineer Response	Date Submitted	Status	Date Answered	Notes
1		C-02	Are wet taps of the existing water lines acceptable?	Upon design review, all new water main connections will be performed as 'wet taps', Revision #4.	11/7/2018		11/15/2018	
2		C-02	No backflow preventers are shown for the new fire service lines; is this correct?	Backflow preventors 'Post Indicator Valves' are shown on each main line prior to individual building connections.	11/7/2018		11/15/2018	
4	6	E06-201,401	Panels THE, TEL, & ELF are shown as ETR on 06-201, These panels are shown as new on 401. Which is correct?	These panels are existing to be replaced as per note #1 in sheet E06-301. The riser in sheet E06-201 has been removed.	11/7/2018		11/15/2018	
5	1	E01-301	Keynote states to reuse existing starter/disconnect, new AHU is specified to receive new VFD. Should these be replaced for new equipment?	Mechanical Drawing indicates new VFD. Key note #2 on electrical sheet E01-301 has been revised to call for new AHU to receive new VFD.	11/7/2018		11/15/2018	
6	12	M12-202	Key Note 4 – Request Waiver from SBBC to install new unit on roof. Who is requesting waiver?	Key note 4 on sheet M12-202 has been revised to remove the request for a waiver from SBBC. See revised sheet M12-202.	11/7/2018		11/15/2018	
7	6	A06	Building 6 Culinary Labs and Art Rooms – No floor or wall finishes are specified for renovated rooms. Please provide finish schedule.	There is no floor or wall replacement on Art room or culinary labs	11/7/2018		11/15/2018	
8	12	9951	Kitchen Flooring Specification Section 09951 lists Resinous flooring for Kitchen, drawings do not indicate any floor renovations for Building 12 Kitchen. Please advise flooring intent.	The flooring is to remain. No flooring. Protect area during demolition and new construction.	11/7/2018		11/15/2018	
9		Electrical	Should all new panels include 3P-30 & surge for panel (Some shown – some not)?	Correct, all panel schedules for new panels have been revised to show SPD.	11/7/2018		11/15/2018	
10	5	E05-201	E05 – 201 - Where is panel "MLE" located?	Panel location has been shown, refer to revised sheet E05-201.	11/7/2018		11/15/2018	
11	38	E38-201	E-38-201 - What are the fixture types of all new fixtures shown? Are all fixtures shown to be new?	Fixture type have been specified. Legend notes have been provided to clarify existing and new luminaires.	11/7/2018		11/15/2018	
12	19		No Panel Schedule Included for Panel 19P. Please Provide.	Unfortunately there is no available information for this panel. Scope is to replace existing panel with new with the same electrical specifications and reconnect all existing loads accordingly	11/7/2018		11/15/2018	
13	6		No Panel Schedules Included for Panel 5L. Please Provide	Panel schedule has been provided. Refer to revised sheet E-601.	11/7/2018		11/15/2018	
14		Panel Schedules	Please provide schedule of new vs. reused Panels and Transformers	Refer to risers and notes in electrical drawings.	11/7/2018		11/15/2018	
15	18	E18-301	On Electrical drawing, Revision #1 date 8/31/18, sheet E18-301, Note E12, it is being shown "Replace existing exterior transformer with new in same location. Existing electrical connection to be Re-used". However, the drawing does not show this transformer and its specification. Please, clarify.	Transformer location and specifications have been provided. Refer to revised sheet E18-301.	11/7/2018		11/15/2018	
16	15	TY15-301	Keynote states to replace security cameras, however no camera locations are identified. Please Advise.	There are six exterior cameras to be replaced. Scope of work has been reduced to only removal of cameras. New cameras shall be installed by SBBC vendor per PM.	11/7/2018		11/15/2018	
17	12		No wall finishes are listed for renovated kitchen areas, Please provide finish schedule.		11/7/2018		11/15/2018	

1	2	3	4	5	6	7	8	
Item No.	Building #	Drawing / Specification	Description	Owner/Architect/Engineer Response	Date Submitted	Status	Date Answered	Notes
18	10		Structural and Architectural Drawings indicate new curbs for Exhaust fans, However there are no Mechanical or Electrical drawings for Building 10. Please Provide Drawings with Mechanical and Electrical scopes for Building 10	There is no scope for new or replacement mechanical equipment in Building 10, all roof mounted equipment shall be re-used with same size roof curb. Refer to 5/A-803 for new raised curb flashing detail.	11/7/2018		11/15/2018	
19	38	A38-111, 538-111	A38-111, 538-111 indicate new tie downs and supports for ETR Roof equipment, no mechanical schedules or scopes are provided for 38. Please provide.	A38-111 and 538-111 call for tiedowns. A38-111 and 538-111 do not call for new curbs or supports. Roof mounted equipment is existing to remain (ETR), there is no mechanical scope. Refer to sheet 6/S00-202 for "TYPICAL EXHAUST FAN CABLE TIE DOWN DETAIL". Also refer to detail 6/A-802, this detail can be applied to new or ETR equipment.	11/7/2018		11/15/2018	
20	18	MD18201	Key Note 6 - Replace exterior condenser water piping to cooling tower. - No drawings or details show this scope of work. Please provide detail for this scope.	Sheets MD18-201, M18-201 AND M18-202 have been revised to clarify the scope of work for condenser water piping. The scope of work is replacement of condenser water piping inside Building 18 only as required for chiller and pump replacement. Replacement of condenser water piping on the exterior of Building 18 is not included in the scope of this project. See revised sheets MD18-201, M18-201 and M18-202.	11/7/2018		11/15/2018	
21	32	E32-302	Per Note # 2 in Electrical Key Notes Sheet E32-302 we have to relocate existing conduit for security camera system in roof line at no less than 18" above finish surface. However, no detail of pipe support in roof show in plans, in other project with SBBC was proposed to use CADDY Pyramid ST series, please advise.	Refer to details & specifications in architectural detail sheets.	11/7/2018		11/15/2018	
22	12	E12-301	Per Note 1 in Power Keys Notes, sheet E12-301, panel 12LK1 and 12LK2 in room 273 kitchen room preparation, we need replace with new panel at same location. Please provide panel schedule.	Existing load in panel 12LK1 and 12LK2 have been relocated in new panel 12LB and 12LA respectively. Refer to panel schedule on revised sheet E-607.	11/7/2018		11/15/2018	
23	14	E14-301	Per Note 10 in electrical key notes sheet E14-301 "existing exterior electrical transformer and disconnects, please provide electrical specifications for this existing equipment.	Unfortunately there is no available information for these devices when the site visit was performed. Note 10 calls for replacement of existing panel with new with same electrical specification and to reconnect all existing loads accordingly.	11/7/2018		11/15/2018	
24	14	E14-301	Per Note 15 in electrical key notes sheet E14-301, please provide specifications for security system and devices.	Refer to TY14-301 drawings and spec 13825.	11/7/2018		11/15/2018	
25	33		Please provide location for new remote annunciator for generator in building 33.	The existing remote generator annunciator is located in administration area. New remote generator annunciator shall be located in the same location as existing when replaced in kind.	11/7/2018		11/15/2018	
26	Fire Alarm		Please provide the sequence of operation for finishing/certifying the fire alarm system in an individual building once it is complete.	Refer to specification section 13845. Coordinate with FA vendor for procedures for building certification.	11/7/2018		11/15/2018	
27								
28								
29								
30								
31								
32								
33								
34								

**ONSITE STAFF**

Description		Quantity	Unit	Time %	UNIT COSTS			Total (Hrs)	Total (\$)
					Raw Rate (\$/Hr)	Burden Rate	Loaded Rate (\$/Hr)		
On-Site Project Executive	Doug Wells	129	Week	25%	93.00	39.06	132.06	1,290	170,357
Project Manager (Lead)	Mitchell Espinosa	129	Week	100%	64.50	27.09	91.59	5,160	472,604
Superintendent	Jay Grabowski	129	Week	100%	70.06	29.43	99.49	5,160	513,344
Assistant Superintendent	TBD	104	Week	100%	56.50	23.73	80.23	4,160	333,757
Project Engineer	Jessica Eiermann	129	Week	100%	42.50	17.85	60.35	5,160	311,406
Project Accountant	TBD	129	Week	10%	29.50	12.39	41.89	516	21,615
Project Coordinator (Admin)	TBD	129	Week	100%	22.50	9.45	31.95	5,160	164,862
Safety Manager	Miles Willson	129	Week	10%	64.00	26.88	90.88	516	46,894
MEP Coordinator	TBD	129	Week	20%	42.00	17.64	59.64	1,032	61,548
<b>SUBTOTAL</b>									<b>2,096,388</b>

Total

2,096,388

**SCHEDULE FOR STAFF, GENERAL CONDITIONS AND GENERAL REQUIREMENTS**

TENTATIVE NTP: 2/1/2019  
 SUBSTANTIAL: 05/27/21  
 DURATION (CALENDAR DAYS): 846  
 DURATION (WEEKS): 121.00  
 DURATION (MONTHS): 28.00  
 WORKING DAYS 726

Activity ID	Activity Name	Original Start	Original Duration	Finish	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>NOVA HS P001817</b>																
<b>Pre-Construction</b>																
A1000	Issue of RFP	03/15/10	24	04/08/10												
A1070	Write and Execute Subcontracts	04/08/10	21	05/29/10												
A1750	Roof Penetrating - TAS 103 and L&E Testing	06/28/10	27	09/24/10												
<b>CONSTRUCTION</b>																
A1000	Blg 27 Work	06/28/10	31	10/08/10												
A1010	Blg 37 Substantial Completion	06/28/10	28	09/15/10												
A1340	Blg 30 Work	06/28/10	11	07/29/10												
A1350	Blg 30 Substantial Completion	06/28/10	11	07/29/10												
A1320	Blg 31 Work	06/28/10	07	07/04/10												
A1330	Blg 31 Substantial Completion	06/28/10	07	07/04/10												
A1020	Blg 15 Work	06/28/10	27	09/24/10												
A1030	Blg 15 Substantial Completion	06/28/10	27	09/24/10												
A1040	Blg 16 Work	06/28/10	07	07/04/10												
A1050	Blg 16 Substantial Completion	06/28/10	07	07/04/10												
A1060	Blg 04 Work	06/28/10	08	07/06/10												
A1370	Building 04 Substantial Completion	06/28/10	08	07/06/10												
A1000	Blg 17 Work	07/03/10	03	07/06/10												
A1070	Blg 17 Substantial Completion	07/03/10	03	07/06/10												
A1380	Blg 35 Work	07/27/10	15	09/11/10												
A1360	Blg 35 Substantial Completion	07/27/10	15	09/11/10												
A1080	Blg 06 Work	07/27/10	15	09/11/10												
A1090	Blg 06 Substantial Completion	07/27/10	15	09/11/10												
A1100	Blg 05 Work	08/15/10	24	09/08/10												
A1110	Blg 05 Substantial Completion	08/15/10	24	09/08/10												
A1120	Blg 22 Work	08/15/10	19	09/03/10												
A1130	Blg 22 Substantial Completion	08/15/10	19	09/03/10												
A1140	Blg 03 Work	08/15/10	13	08/28/10												
A1150	Blg 03 Substantial Completion	08/15/10	13	08/28/10												
A1160	Blg 10 Work	08/15/10	16	08/31/10												
A1170	Blg 10 Substantial Completion	08/15/10	16	08/31/10												
A1180	Blg 34 Work	08/15/10	20	09/04/10												
A1190	Blg 34 Substantial Completion	08/15/10	20	09/04/10												
A1200	Blg 02 Work	08/15/10	15	08/30/10												
A1210	Blg 02 Substantial Completion	08/15/10	15	08/30/10												
A1220	Blg 18 Work	08/15/10	18	09/02/10												
A1230	Blg 18 Substantial Completion	08/15/10	18	09/02/10												
A1240	Blg 20 Work	08/15/10	19	09/03/10												
A1250	Blg 20 Substantial Completion	08/15/10	19	09/03/10												
A1260	Blg 27 Work	08/15/10	23	09/07/10												
A1270	Blg 27 Substantial Completion	08/15/10	23	09/07/10												
A1280	Blg 33 Work	08/15/10	25	09/09/10												
A1290	Blg 33 Substantial Completion	08/15/10	25	09/09/10												
A1300	Blg 01 Work	08/15/10	17	09/01/10												
A1310	Blg 01 Substantial Completion	08/15/10	17	09/01/10												
A1320	Blg 36 Work	08/15/10	21	09/05/10												
A1330	Blg 36 Substantial Completion	08/15/10	21	09/05/10												



**NOVA PRELIMINARY PROJECT SCHEDULE**  
- 01/15/19

Actual Work Critical Remaining Work   
 Remaining Work Milestone

Activity ID	Activity Name	Original Start	Original Duration	Finish	2019												2020												2021											
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		
Building 12		112	09-Jul-20	07-Dec-20																																				
A1220	Bldg 12 Work	109	03-Jul-20	02-Dec-20																																				
A1230	Bldg 12 Substantial Completion	3	03-Dec-20	07-Dec-20																																				
Building 25		22	20-Aug-20	18-Sep-20																																				
A1500	Bldg 25 Work	19	20-Aug-20	15-Sep-20																																				
A1570	Bldg 25 Substantial Completion	3	16-Sep-20	18-Sep-20																																				
Building 14		108	21-Aug-20	19-Jan-21																																				
A1240	Bldg 14 Work	105	21-Aug-20	14-Jan-21																																				
A1250	Bldg 14 Substantial Completion	3	15-Jan-21	19-Jan-21																																				
Building 24		21	16-Sep-20	10-Oct-20																																				
A1580	Bldg 24 Work	16	16-Sep-20	13-Oct-20																																				
A1590	Bldg 24 Substantial Completion	3	14-Oct-20	16-Oct-20																																				
Building 09		28	07-Dec-20	13-Jan-21																																				
A1600	Bldg 09 Work	25	07-Dec-20	09-Jan-21																																				
A1910	Building 09 Substantial Completion	3	11-Jan-21	13-Jan-21																																				
Building 33		60	08-Dec-20	01-Mar-21																																				
A1200	Bldg 33 Work	57	08-Dec-20	24-Feb-21																																				
A1270	Bldg 33 Substantial Completion	3	25-Feb-21	01-Mar-21																																				
Building 13		84	20-Jan-21	17-May-21																																				
A1280	Bldg 13 Work	81	20-Jan-21	12-May-21																																				
A1290	Bldg 13 Substantial Completion	3	13-May-21	17-May-21																																				
Building 19		24	22-Feb-21	25-Mar-21																																				
A1620	Bldg 19 Work	21	22-Feb-21	23-Mar-21																																				
A1630	Bldg 19 Substantial Completion	3	23-Mar-21	25-Mar-21																																				
Building 11		63	02-Mar-21	27-May-21																																				
A1300	Bldg 11 Work	60	02-Mar-21	24-May-21																																				
A1310	Bldg 11 Substantial Completion	3	25-May-21	27-May-21																																				
Building 08		40	04-Mar-21	10-May-21																																				
A1640	Bldg 08 Work	45	04-Mar-21	05-May-21																																				
A1650	Bldg 08 Substantial Completion	3	05-May-21	10-May-21																																				
Project Closeout		21	17-May-21	14-Jun-21																																				
A1700	Training	5	17-May-21	21-May-21																																				
A1690	Close Out Documents	20	18-May-21	14-Jun-21																																				
A1710	Final T & B Report	5	24-May-21	28-May-21																																				
A1680	Commissioning Report	1	27-May-21	27-May-21																																				
A1720	Final Inspections	5	27-May-21	02-Jun-21																																				
A1730	Final Life Safety Inspection	5	27-May-21	02-Jun-21																																				
A1740	Certificate of Completion / Final Completion	6	07-Jun-21	14-Jun-21																																				

- Actual Work
- Critical Remaining Work
- Remaining Work
- Milestone
- Training
- Close Out Documents
- Final T & B Report
- Commissioning Report
- Final Inspections
- Final Life Safety Inspection
- Certificate of Completion / Final Completion

- Actual Work
- Critical Remaining Work
- Remaining Work
- Milestone

## NOVA PRELIMINARY PROJECT SCHEDULE

- 01/15/19





2937 W. Cypress Creek Rd. | Suite 200 | Fort Lauderdale, FL 33309

## EXHIBIT 4

January 25, 2019

Via email: [RWilliams@browardschools.com](mailto:RWilliams@browardschools.com)

Mr. Rodney Williams  
**CBRE/Heery**  
2301 NW 26<sup>th</sup> Street  
Ft Lauderdale, Florida 33311

**RE:** Recommend for Bid Award  
Nova High School  
SBBC Project No. P.001817

Dear Mr. Williams;

Pursuant to Article 2.5.7 of our Professional Services Agreement (PSA) with the School Board of Broward County, Florida our office recommends the Award of the Construction Management at Risk Contract (CMAR) to Pirtle Construction Company, in conjunction with the apparent qualified low bidders for the sub-contracts, for the total Guaranteed Maximum Price (GMP) of **Twenty-Five Million Four Hundred Twenty Two Thousand Six Hundred Fourteen Dollars (\$25,422,614)**, which includes an Owner's Construction Budget Estimate in the amount of Two Hundred Fifty Thousand Dollars (\$250,000), for the Single Point of Entry Aluminum Walkway Canopy and a Construction Contingency in the amount of Nine Hundred Eighty Five Thousand Four Hundred Five Dollars (\$985,405.00) based on the following.

### **Article 2.1.11.1 Cost Estimate**

ACAI was provided with the Contractors' and Subcontractors' bids and was involved in the negotiations between CBRE/ Heery, acting as the Owner's representative, and Pirtle Construction Company related to the GMP. Based on the information provided we agree with the Breakdown of Costs identified in the GMP dated February 5, 2019 based on the Assumptions and Clarifications.

It is our understanding the amounts included in the Owner's Construction Budget Estimate, identified in the cost breakdown, are of a sufficient amount and will be used to cover the cost of the Single Point of Entry Covered Walkway which was not previously identified and provided to our office.

### **Article 2.1.11.4 GMP**

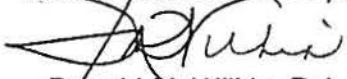
ACAI was involved in the ongoing negotiations between the Owner Representative and Pirtle Construction Company related to the GMP. ACAI takes no exception to the Assumptions and Clarifications stated on page 64 of the GMP Amendment.

Mr. Rodney Williams  
**CBRE/HEERY INTERNATIONAL**  
Recommendation for Bid Award -NHS  
ACAI No.17-003 G01  
January 25, 2019

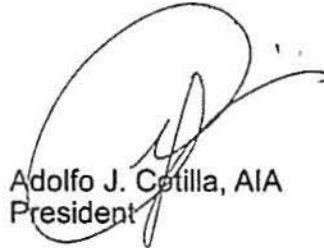
**Article 2.4.3.6 Agency Approval of the Documents**

To the best of our knowledge and based on the approval of the documents and issuance of a permit for construction by the Building Department for the documents completed and submitted as of the date of the GMP, all mandatory code requirements have been addressed.

Sincerely,  
**ACAI ASSOCIATES, INC.**



Donald M. Wilkin, R.A.  
Sr Principal



Adolfo J. Cotilla, AIA  
President

Encl: GMP Clarification & Assumptions

Cc.: Shelley Meloni, SBBC [smeloni@browardschools.com](mailto:smeloni@browardschools.com)  
Rob Corbin, Heery [rcorbin@heery.com](mailto:rcorbin@heery.com)  
Danny Jardine, Heery [djardine@heery.com](mailto:djardine@heery.com)  
File/JS /AJC – ACAI Associates, Inc.

S:\Projects\17-003 G01 SBBC Nova High School\01 Admin\1.03 Letters\GMP Recommendation Ltrs\Pritle Bid Award Recomm Ltr  
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# COLLABORATION

## SIGN-OFF FORM

Item #/Title of Agenda Request Item: JJ-3./GMP Amendment 1 to the Construction Services Agreement  
James B. Pirtle Construction Co., Inc. d/b/a Pirtle Construction Company  
Nova High School, Davie  
SMART Program Renovations  
Project No. P.001817

School Board Meeting: 02/05/2019

The financial impact of this item is \$25,422,614

- ( ) This project has not been appropriated in the Adopted District Educational Facilities Plan (September 5, 2018). 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 5, 2018). There is no impact to the project budget.
- ( ) This project has been appropriated in the Adopted District Educational Facilities Plan (September 5, 2018). 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 5, 2018). There is an additional impact to the project budget. These funds in the amount of \$ \_\_\_\_\_ will come from the Capital Projects Reserve.
- Comments: This project has been appropriated in the Adopted District Educational Facilities Plan (September 5, 2018). There is an additional impact to the project budget. These funds in the amount of \$702,269 will come from Nova Middle School Project No. P.002027 for the Fire Sprinklers and \$11,291,476 will come from the Capital Projects Reserve.


Department Name

Department Head

Department Head

Capital Budget

Omar Shim, Director

  
Signature

1/23/2019  
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.