

**REQUEST FOR QUALIFICATIONS**  
**RFQ 16-167C**

**EXHIBIT** 3

**DESIGN PROFESSIONAL SERVICES**

(Construction Management at Risk Delivery)

*Stranahan Senior High School*



**The School Board of Broward County, Florida**

**Dr. Rosalind Osgood, Chair**  
**Abby M. Freedman, Vice Chair**  
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**Robert W. Runcie, Superintendent of Schools**

**Leo Bobadilla - Chief Facilities Officer**  
**Barbara J. Myrick, Interim General Counsel**

**Office of Facilities and Construction**  
**Procurement and Warehousing Services**

**NOTICES TO ALL BIDDERS**

**Cone of Silence and Lobbyist Activities**

For Cone of Silence requirements and for Lobbyist Activities restrictions, refer to Section 4, Introduction and General Information lines labeled 'Cone of Silence and Lobbyist Activities' (lines 4.11 and 4.12).

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**  
**Procurement and Warehousing Services Department**  
**7720 W. Oakland Park Boulevard, Suite 323**  
**Sunrise, Florida 33351-6704**



# REQUEST FOR QUALIFICATIONS (RFQ)

## RFQ # 16-167C

### DESIGN PROFESSIONAL SERVICES

RFQ Issue Date: May 6, 2016

#### Description of Scope:

Design Services for the following project:

Stranahan Senior High School

- Replace non-ADA compliant concrete ramps
- Provide aluminum canopies (over ADA ramps)
- Provide Single Point of Entry
- Provide Fire Sprinklers for Non-Protected Buildings
- Replace Fire Alarm System
- Weight Room Renovations (Flooring, Paint, Replace Old/Unsafe Equipment, Equipment Layout)
- Roof and Loggias (Canopies) Replacements
- STEM Lab Improvements
- Media Center Improvements (Including structural repairs of flooring as needed)
- HVAC Improvements
- Electrical Improvements

### **NOTICES TO ALL PROPOSERS**

#### **Cone of Silence and Lobbyist Activities**

For Cone of Silence requirements and for Lobbyist Activity restrictions refer to Section 1, Introduction and General Information lines labeled Cone of Silence and Lobbyist Activities. Line numbers 1.10 and 1.11.

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA  
Procurement and Warehousing Services Department  
7720 W. Oakland Park Boulevard, Suite 323  
Sunrise, Florida 33351-6704

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## **SECTION 1.0 - INTRODUCTION AND GENERAL INFORMATION**

1.1 The School Board of Broward County, Florida (hereinafter referred to as "SBBC") desires to receive Qualifications for Design Services as described herein.

1.2 **Questions and Interpretations:** Any questions, requests for clarifications or interpretations regarding any portion of this RFQ during the Submittal preparation period (or reporting errors, inconsistencies, or ambiguities) shall be received no less than ten (10) days prior to the deadline due date for submitting the completed RFQ response, and no questions or clarifications will be considered after this date. Respondents must submit Document 00220 – Bidders Request For Information Form (Attachment F) for all RFI requests and all RFI requests must be typed or printed. Questions not submitted on Document 00220 will not be considered. RFI requests must be for a single RFQ, RFI requests for multiple RFQs may not be considered. Any questions which require a response which amends the RFQ document in any manner will be answered via Addendum by the Procurement and Warehousing Services Department and provided to all Proposers. Address questions or requests for clarifications in writing to:

Vanessa S. Lauchaire  
Strategic Sourcing Manager  
Procurement & Warehousing Services  
7720 West Oakland Park Blvd - Suite 323  
Sunrise, FL 33351  
754-321-0533 Fax

1.3 Any verbal or written information, which is obtained other than by information in this RFQ document or by Addenda, shall not be binding on SBBC.

1.4 **Contract Term:** The term of this contract is anticipated to begin on the Notice to Proceed Date and end one year after final completion of the project.

1.5 **Proposal Format:** The RFQ's submittal shall follow the format and include the information as identified in Section 4.0 of this RFQ.

1.6 **Evaluation and Award:** All Proposals will be evaluated by the Selection Committee based upon the information submitted by Proposers in response to this RFQ and in accordance with the evaluation criteria established in Section 5.0. Based upon the evaluation of Proposals, the Committee will recommend a Proposer(s) to the Superintendent of Schools who may then recommend a Proposer(s) to the SBBC for award.

1.7 **Irrevocability of Proposal:** A Proposal may not be withdrawn before the expiration of 90 days after the date of the Proposal's opening.

1.8 **Proposal Package Requirements:**

- One complete, original hard-copy Proposal (clearly labeled as "original").
- One complete, original electronic version (clearly labeled as "original").
- Fifteen (15) complete, electronic version copies (clearly labeled as "copy").
- Two (2) additional hard-copies (which must be identical to the original Proposal except they shall be labeled as "copy").
- Proposals shall be submitted in a sealed envelope (package, box, etc.) with the RFQ number and description clearly identified by label on the Package along with the Proposers Name.



1.9 **Gratuities:** Proposers shall not provide any gratuities, favors, or anything of monetary value to any official, employee, or agent of SBBC; including any School Board Member, Superintendent of Schools and any Evaluation Committee Members, for any reason during this entire Procurement Process.

1.10 **Cone of Silence:** Any proposer, or lobbyist for a proposer, is prohibited from having any communications (except as provided in this rule) concerning any solicitation for a competitive procurement with any School Board member, the Superintendent, any Evaluation Committee Member, or any other School District employee after the Procurement and Warehousing Services Department releases a solicitation to the General Public. All communications regarding this solicitation shall be directed to the designated Purchasing Agent unless so notified by the Procurement and Warehousing Services Department. This "Cone of Silence" period shall go into effect and shall remain in effect from the time of release of the solicitation until the contract is awarded by the School Board. Further, any vendor, its principals, or their lobbyists shall not offer campaign contributions to School Board Members or offer contributions to School Board Members for campaigns of other candidates for political office during the period in which the vendor is attempting to sell goods or services to the School Board. This period of limitation of offering campaign contributions shall commence at the time of the "cone of silence" period for any solicitation for a competitive procurement as described by School Board Policy 3320, Part II, Section GG as well as School Board Policy 1007, Section 5.4 – Campaign Contribution Fundraising. Any vendor or lobbyist who violates this provision shall cause their Proposal (or that of their principal) to be considered non-responsive and therefore be ineligible for award. This prohibition does not apply to:

1. Telephone calls to the Procurement & Warehousing Services staff to request copies of this RFQ, to confirm attendance, or request directions regarding an interview notification received;
2. Delivery of the Respondent's Submittal;
3. Discussion at the interview;
4. Delivery of written questions about the RFQ; and/or Review of background/contract documents at the staff offices.

1.11 **Lobbyist Activities:** In accordance with SBBC Policy 1100B, as currently enacted or as amended from time to time, persons acting as lobbyists must state, at the beginning of their presentation, letter, telephone call, e-mail or facsimile transmission to School Board Members, Superintendent or Members of Senior Management, the group, association, organization or business interest she/he is representing.

1.11.1 A lobbyist is defined as a person who, for immediate or subsequent compensation (e.g., monetary profit/personal gain), represents a public or private group, association, organization or business interest and engages in efforts to influence School Board Members on matters within their official jurisdiction.

1.11.2 A lobbyist is not considered to be a person representing school allied groups (e.g., PTA, DAC, Band Booster Associations, etc.) nor a public official acting in her/his official capacity.

1.11.3 Lobbyists shall annually (July 1) disclose in each instance and for each client prior to any lobbying activities, their identity and activities by completing the lobbyist statement form which can be obtained from official School Board Records, School Board Member's Offices or the Superintendent's Office and will be recorded on SBBC's website, [www.browardschools.com](http://www.browardschools.com).

1.11.4 The lobbyist must disclose any direct business association with any current elected or appointed official or employee of SBBC or any immediate family member of such elected or appointed official or employee of SBBC.

1.11.5 Senior-level employees and/or School Board Members are prohibited from lobbying activities for two years after resignation or retirement or expiration of their term of office.

1.11.6 The Office of the Superintendent shall keep a current list of persons who have submitted the lobbyist statement form.

- 1.12 **Preparation Cost of Proposal:** Proposer is solely responsible for any and all costs associated with responding to this RFQ. SBBC will not reimburse any Proposer for any costs associated with the preparation and submittal of any Proposal, or for any travel and per diem costs that are incurred by any Proposer.
- 1.13 It is the sole responsibility of the Proposer to assure it has received the entire Proposal and any and all Addendum.
- 1.14 It is the sole responsibility of the Proposer to assure that its Proposal is time stamped in the Procurement and Warehousing Services Department on or before 2:00 p.m. EST on the date due.
- 1.15 No verbal or written information which is obtained other than by information in this document or by Addenda to this RFQ shall be binding on SBBC.
- 1.16 No submissions made after the Proposal opening, amending or supplementing the Proposal, will be considered.

## SECTION 2.0 CALENDAR

May 6, 2016	Issuance of RFQ #16-167C
May 20, 2016	Written questions due on or before 5:00 p.m. ET in the Procurement and Warehousing Services Department 7720 West Oakland Park Blvd., Suite 323, Sunrise, Florida 33351-6704.
June 8, 2016	Proposals due on or before 2:00 p.m. ET in the Procurement and Warehousing Services Department. 7720 West Oakland Park Blvd., Suite 323, Sunrise, Florida 33351-6704.
June 22, 2016**	Selection Committee reviews Qualifications and makes a recommendation for Selection in the Procurement and Warehousing Services Department 7720 West Oakland Park Boulevard, Suite 323 Sunrise, Florida 33351-6704 at 9:00 a.m.*
June 27, 2016	Evaluation Committees Posting of Recommendations.
July 2016	Tentative School Board Award Date.

\*These are public meetings. SBBC prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender identity, gender expression, national origin, marital status, race, religion, sex or sexual orientation. Individuals who wish to file a discrimination and/or harassment complaint may call the Executive Director, Benefits & EEO Compliance at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.

Individuals with disabilities requesting accommodations under the Americans with Disabilities Act (ADA) may call Equal Educational Opportunities (EEO) at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.

\*\*Proposers may be asked to be present at this public meeting to answer questions related to their submittal. Proposers may also be invited to make a presentation to the Selection Committee. If a presentation is requested, it must be limited to information included in their Proposal submitted to SBBC. Details related to the Selection Committee meeting will be provided to the proposers when they are given notice of the meeting.

## **SECTION 3.0 - RFQ CONDITIONS**

- 3.1 **Evaluation Committees and Proposals:** State Statutes 119.071 and 286.0113 are adhered to by SBBC in the review and awarding of contracts.
- 3.2 **Public Record:** Proposer acknowledges that all information contained within their Proposal is part of the public domain as defined by the State of Florida Sunshine and Public Record Laws.
- 3.3 **Governing Law:** This RFQ, and any award(s) resulting from this RFQ, shall be interpreted and construed in accordance with the laws of the State of Florida. Any protests arising from this RFQ shall be subject to Section 120.57(3), Florida Statutes. Any disputes or controversies arising out of a contract awarded under this RFQ shall be submitted to the jurisdiction of the state courts of the Seventeenth Judicial Circuit in and for Broward County, Florida.
- 3.4 **Advertising:** In submitting an RFQ, Proposer agrees not to use the results therefrom as a part of any commercial advertising without prior written approval of SBBC.
- 3.5 **Billing Instructions and Payment:** All payments made to the Design Professionals shall be made by ACH (Automated Clearing House). Monthly invoices shall be submitted to the Project Manager for review and approval. Refer to the PSA for the specifics. The ACH Payment Agreement Form is an attachment to the PSA (PSA Attachment 12). This form shall be submitted at the time of the execution of the Contract.
- 3.6 **Contract Value:** No guarantee is given or implied as to the total dollar value or work as a result of this RFQ. SBBC is not obligated to place any order for services performed as a result of this award. Order placement will be based upon the needs and in the best interest of SBBC.
- 3.7 **Conflict of Interest and Conflicting Employment or Contractual Relationship:** Section 112.313 (3) and (7), Florida Statutes, sets forth restrictions on the ability of SBBC employees acting in a private capacity to rent, lease, or sell any realty, goods, or services to SBBC. It also places restrictions on SBBC employees concerning outside employment or contractual relationships with any business entity which is doing business with SBBC. Each Proposer is to disclose any employees it has who are also SBBC employees. This Conflict of Interest Form is an attachment to the PSA (PSA attachment 9). This executed document shall be submitted at the time of Contract Execution. Any employees identified by the Proposer, should obtain legal advice as to their obligations and restrictions under Section 112.313 (3) and (7), Florida Statutes.
- 3.8 **Disputes:**
- 3.8.1 In the event of a conflict between the documents, the order of priority of the documents shall be as follows:
1. The Agreement resulting from the award of this RFQ (if applicable) ; then
  2. Addenda released for this RFQ, with the latest Addendum taking precedence; then
  3. the RFQ Documents; then
  4. Awardee's Proposal.
- 3.8.2 In case of any other doubt or difference of opinion, the decision of SBBC shall be put in writing and shall be final and binding on both parties.
- 3.9 **Insurance:** Refer to PSA Agreement – Part 5 – Article 3 for Design Professional Insurance Requirements (RFQ Attachment C).
- 3.10 **Public Entity Crimes:** Section 287.133(2)(a), Florida Statutes, as currently enacted or as amended from time to time, states that a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may

not submit a Proposal on a contract to provide any goods or services to a public entity, may not submit a Proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit a Proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 for CATEGORY TWO [currently \$25,000] for a period of 36 months from the date of being placed on the convicted vendor list.

3.12 **M/WBE:**

3.12.1 M/WBE Goals: The Design Professional shall comply with the Owner's current M/WBE policies and procedures. The Design Professional's M/WBE goal for this Contract is 25 percent.

3.12.2 Information: SBBC encourages each Proposer to make every reasonable effort to include M/WBE participation on any contract award under this RFQ. An M/WBE is defined by SBBC as any legal entity, other than a joint venture, which is organized to engage in commercial transactions and which is at least 51% owned and controlled by a minority or women and has been Certified by SBBC as an approved M/WBE.

3.12.2.1 Any participation by firms not certified by SBBC at the time of proposal will not count in the RFQ evaluation process for the award of points in the Design Professional M/WBE Participation Category. However, firms that are certified by SBBC after the proposal's tentative award, will count towards the Design Professional's M/WBE project goal attainment. Design Professional to contact SDOP to provide the updated information.

3.12.2.2 For information on M/WBE Certification, or to obtain information on locating certified M/WBE's, contact SBBC's Supplier Diversity and Outreach Programs at 754-321-0550 or [www.broward.k12.fl.us/supply/vendors/mwbe.htm](http://www.broward.k12.fl.us/supply/vendors/mwbe.htm).

3.13 **Protesting of RFQ Conditions/Specifications:** Any person desiring to protest the conditions/specifications in this RFQ, or any Addenda subsequently released thereto, shall file a notice of intent to protest, in writing to the Director of Procurement and Warehousing Services Department. The formal written protest shall be filed within ten calendar days after the date the notice of protest was filed. Saturdays, Sundays, state holidays or days during which the school district administration is closed shall be excluded in the computation of the ten (10) calendar days. The formal written protest must be received on or before 5:00 p.m. EST of the 10<sup>th</sup> Calendar Day at the office of the Director of Procurement and Warehousing Services Department. Refer to Section 120.57(3)(b), Florida Statutes, as currently enacted or as amended from time to time, for the requirements for the written protest.

3.13.1 Failure to file a notice of protest or to file a formal written protest within the time prescribed by Section 120.57(3), Florida Statutes, or a failure to post the bond or other security required by SBBC Policy 3320, Part VIII, within the time allowed for filing a bond, shall constitute a waiver of proceedings.

3.14 **Posting of RFQ Recommendations:** RFQ Recommendations will be posted in the Procurement and Warehousing Services Department and on [www.demandstar.com](http://www.demandstar.com) as noted on the Calendar (Section 2.0) or as modified by an addendum or by posting in the Procurement and Warehousing Services Department and at [www.demandstar.com](http://www.demandstar.com) (under the document section for this RFQ). The Recommendations will remain posted for 72 hours. It is the responsibility of each Proposer to ascertain any revised date for the posting of RFQ Recommendations.

3.15 **Protest of Intended Decision:** Any person desiring to protest the Recommended Decision shall file a notice of protest, in writing, within 72 hours after the posting of the RFQ Recommendation and shall file a formal written protest within ten calendar days after the date the notice of protest was filed. The formal written protest must be received on or before 5:00 p.m. EST of the tenth (10) calendar day. Saturdays, Sundays, state holidays and days during which the school district administration is closed shall be excluded in the computation of the 72 hours.

3.15.1 Failure to file a notice of protest or to file a formal written protest within the time prescribed by Section 120.57(3), Florida Statutes, or a failure to post the bond or other security required by Policy 3320, Part VIII, within the time allowed for filing a bond, shall constitute a waiver of proceedings.

3.15.2 Notices of protests, formal written protests, and the bonds required by Policy 3320, shall be filed at the office of the Director of Procurement and Warehousing Services, 7720 West Oakland Park Boulevard, Suite 323, Sunrise, Florida 33351 Fax filing will not be acceptable for the filing of bonds.

3.16 **Use of Other Contracts:** SBBC reserves the right to utilize any other SBBC contract, any State of Florida Contract, any contract awarded by any other city or county governmental agencies, other school boards, other community college/state university system cooperative agreements, in lieu of any offer received or award made as a result of this RFQ if it is in SBBC's best interest to do so. SBBC also reserves the right to waive irregularities or technicalities in any Proposal received if such action is in the best interest of SBBC. However, such a waiver shall in no way modify the RFQ requirements or excuse the Proposer from full compliance with the RFQ specifications and other contract requirements if the Proposer is awarded a contract.

3.17 **Assignment:** Neither party to the Agreement shall sell, assign or sublet the same without the written consent of the other; nor shall a Design Professional assign any monies due or to become due to the Design Professional, or by reason of the Contract without the previous written consent of the Owner and as approved by the Attorney for the Owner.

3.18 **Cancellation:** In the event any of the provisions of this RFQ are violated by the Awardee, the Director of Procurement and Warehousing Services shall give written notice to the Awardee stating the violations and unless they are corrected within five days, a recommendation will be made to SBBC for cancellation.

3.19 **SBBC Photo Identification Badge:**

**Background Screening:** Awardee agrees to comply with all the requirements of Sections 1012.32 and 1012.465, Florida Statutes, and that Awardee and all its personnel who (1) are to be permitted access to school grounds when students are present, (2) will have direct contact with students, or (3) have access or control of school funds will successfully complete the background screening required by the referenced statutes and meet the standards established by the statutes. Personnel shall include employees, representatives, agents or sub-contractors performing duties under the contract to SBBC and who meet any or all of the three requirements identified above. Awardee will bear the cost of acquiring the background screening required under Section 1012.32, Florida Statutes, and any fee imposed by the Florida Department of Law Enforcement to maintain the fingerprints provided with respect to Awardee and its personnel. The Parties agree that the failure of Awardee to perform any of the duties described in this section shall constitute a material breach of this RFQ entitling SBBC to terminate immediately with no further responsibilities or duties to perform under this Agreement. Awardee agrees to indemnify and hold harmless SBBC, its officers and employees of any liability in the form of physical or mental injury, death or property damage resulting in Awardee's failure to comply with the requirements of this section or Sections 1012.32 and 1012.465, Florida Statutes.

3.19.1 SBBC issued identification badges must be worn at all times when on SBBC property and must be worn where they are visible and easily readable.

3.19.2 Badge Vendor Information shall be provided to the Design Professional at the time of Award.

3.20 **Withdrawal of RFQ:** In the best interest of SBBC, SBBC reserves the right to withdraw this RFQ at any time prior to the time and date specified for the Proposal opening.

3.21 **Severability:** In case of any one or more of the provisions contained in this RFQ shall be for any reason be held to be invalid, illegal, unlawful, unenforceable or void in any respect, the invalidity, illegality, unenforceability or unlawful or void nature of that provision shall not affect any other provision and this provision shall be considered as if such invalid, unlawful, unenforceable or void provision had never been included herein.

3.22 It is the sole responsibility of the Proposer to assure it has received the entire Proposal and any and all Addendum.

3.23 It is the sole responsibility of the Proposer to assure that its Proposal is time stamped in the Procurement and Warehousing Services Department on or before the due time on the date due. No submissions made after the Proposal opening, amending or supplementing the Proposal, shall be considered.

3.24 No verbal or written information which is obtained other than by information in this document or by Addenda to this RFQ shall be binding on SBBC.

3.25 **Acceptance and Rejection of Proposals:**

3.25.1 **Acceptance:** All Proposals properly completed and submitted will be evaluated in accordance with Section 5.0.

3.25.2 **Rejection:** A Proposal may be rejected if it does not conform to the rules or the requirements contained in this RFQ. Examples for rejection include, but are not limited to, the following:

3.25.2.1 The Proposal is time-stamped at the Procurement and Warehousing Services Department after the deadline specified in the RFQ.

3.25.2.2 Proposers found legally guilty of collusion among Proposers, shall be rejected, and the participants to such shall be barred from future procurement opportunities until such time as they may be reinstated.

3.25.2.3 The Proposal shows non-compliance with applicable laws; or contains any unauthorized additions or deletions; is a conditional Proposal; is an incomplete Proposal; or contains irregularities of any kind.

3.26.2.4 The Proposer adds provisions reserving the right to accept or reject an award or to enter into a contract pursuant to an award or adds provisions contrary to those in the RFQ.

3.25.3 SBBC also reserves the right to waive irregularities or technicalities in any Proposal received if such action is in the best interest of SBBC. However, such a waiver shall in no way modify the RFQ requirements or excuse the Proposer from full compliance with the RFQ specifications and other contract requirements if the Proposer is awarded the contract.

3.26 **Maintenance of Records:**

3.26.1 Design Professional shall keep all records and supporting documentation which concern or reflect its Services hereunder. The records and documentation shall be retained by the Design Professional for a period of seven (7) years from the completion date of the project associated with the Authorization to Proceed; or such period of time as required by law. The Owner, or any duly authorized agents or representatives of the Owner, shall have the right to inspect and copy all such records and documentation as often as they deem necessary during the period of this Agreement and during the period noted above in which the records are to be retained. Such activity shall be conducted at the reasonable convenience of the Design Professional.

3.27 **Liability:** Refer to Attachment C - Sample Professional Services Agreement (PSA), Part 5 Article 2 - Liability Clause.

3.28 **SBBC Information Security Guidelines:** It is the responsibility of the Design/Builder to read and adhere to the SBBC Information Security Guidelines when using any device connected to the SBBC's network. Following the conclusion of the contract term, all of SBBC's confidential information must be removed from the Design/Builder's equipment and all access privileges must be revoked. Final payment will be withheld until the Design/Builder has confirmed, in writing, that all SBBC's confidential information has been purged from any and all electronic technology devices that were used during this contract and were connected to the SBBC's network.

## **SECTION 4.0 - REQUIRED QUALIFICATIONS FORMAT AND RESPONSE INFORMATION**

4.1 The SBBC's Procurement and Warehousing Services Department shall determine whether each Proposer has Addressed and provided all RFQ submittal requirements. SBBC's Procurement and Warehousing Department shall identify the status of completion for each Proposer's proposal on a spreadsheet for the Evaluation Committee's use.

4.2 It is required that Proposals be organized in the manner specified below and with all the information as identified.

4.2.1 **Title Page:**

- Line 1 Include RFQ number and name;
- Line 2. The RFQ Due Date;
- Line 3 The name of the Proposer (company/firm name);
- Line 4 Company/firm address;
- Line 5 and telephone number.

4.2.2 **Section A – General**

**Section A1 Table of Contents:** Include a clear identification of the material by scoring sections, section number and by page number.

**Section A2 Letter of Responsibility:** Include the names of the persons who will be authorized to make decisions for the Proposer for this proposal, and for the Design efforts that may result from this RFQ. Provide titles, work addresses, telephone numbers and e-mail addresses. Letter to be on Company Letterhead and signed by an Officer of the Company.

4.2.3 **Section B – Required Forms, Licenses, certificates, History**

4.2.3.1 **Required Response Form**

4.2.3.1.1 The Required Response Form shall be completed in ink or typewritten. The signed "original" Required Response Form shall be submitted within the Proposal Package labeled as the "original." Refer to Attachment D.

4.2.3.1.2 Required Response Form for Joint Venture Proposals shall follow the following requirements.

4.2.3.1.2.1 JOINT VENTURES: In the event multiple Proposers submit a joint Proposal in response to the RFQ, a single Proposer shall be identified as the Prime Proposer. If offering a joint Proposal, Prime Proposer must include the name and address of all parties of the joint Proposal. Prime Proposer shall provide all bonding and insurance requirements, execute any Contract, complete the Required Response Form shown herein, and have overall and complete accountability to resolve any dispute arising within this contract. Only a single contract with one Proposer shall be acceptable. Prime Proposer responsibilities shall include, but not be limited to, performing of overall contract administration, preside over other Proposers participating or present at SBBC meetings, oversee preparation of reports and presentations, and file any notice of protest and final protest as described herein. Prime Proposer shall also prepare and present a consolidated invoice(s) for services performed. SBBC shall issue only one check for each consolidated invoice to the Prime Proposer for services performed. Prime Proposer shall remain responsible for performing services associated with response to this RFQ.

**Section B1 Required Response Form:**

Modifications or alterations to this form shall not be accepted and will cause the Proposal to be rejected and not reviewed. The Required Response Form, shall be the only acceptable form. The form with the Original Signature shall be in the Proposal Package labeled "Original". Refer to Attachment D.



## **Section B2 Licenses and Registrations (Florida)**

- 3.1 All appropriate licenses shall be provided on a list
- 3.2 Firms Architectural License/Registration if applicable
- 3.3 Architectural License/Registration – for \_\_\_\_\_
- 3.4 Architectural License/Registration – for \_\_\_\_\_
- 3.5 Mechanical License/Registration – for \_\_\_\_\_
- 3.6 Structural License/Registration – for \_\_\_\_\_
- 3.7 M/WBE Certificate (if applicable) – for proposer firm
- 3.8 continue as appropriate

## **Section B3 Proposer History**

Provide a listing of current and former business entities that the Proposer is operating under and has operated under in the past. Letter to be on Company Letterhead and signed by an officer of the Company.

## **Section B4 Litigation**

Provide a statement of any litigation or regulatory action that has been filed or is pending against your firm(s) in the last three years. If an action has been filed, state and describe the litigation or regulatory action filed, and identify the court or agency before which the action was instituted, the applicable case or file number, and the status or disposition for such reported action. If no litigation or regulatory action has been filed against your firm(s), provide a statement to that effect. For joint venture or team Proposers, submit the requested information for each member of the joint venture or team.

### 4.2.4 **Section C - Experience and Qualifications** (50 maximum points)

#### **Section C1 Executive Summary / Approach / Current Work Load** (20 maximum points)

**Executive Summary** – (7 maximum points) Submit a brief abstract stating the Proposer's understanding of the nature and scope of the services to be provided and capability to comply with all terms and conditions of RFQ (3 page maximum).

**Approach** – (7 maximum points) Discuss your approach for delivering this project (2 page maximum).

**Current Work Load** – (6 maximum points) Demonstrate your ability to perform this work given your current project workload. Provide a list of current projects for SBBC (2 page maximum).

#### **Section C2 Firm Experience and Qualifications** (15 maximum points)

Provide a statement of your firm's qualifications to perform the services requested under this RFQ (3 page maximum).

#### **Section C3 Relevant Projects / References** (15 maximum points)

Provide a list and description of relevant projects (maximum of 5) successfully completed by your firm in the most recent five (5) years. For each project, include:

- Name and location of project
- Scope of work that was performed by your firm
- Summary of the project scope including construction delivery method
- Name, title and contact information for client

- Initial and final construction cost (where not deemed confidential)
- Change order percentage by type, including errors and omissions
- Planned design schedule vs actual design schedule

Include 3 references with contact information, preferably from one of the projects requested above (5 pages maximum for Section C3).

4.2.5 **Section D – Team Composition:** (40 maximum points)

**Section D1 Team Structure** (10 maximum points)

Describe the structure of your team, including all subconsultants. Indicate which professional design services the prime firm offers with in house staff, and indicate which professional design services the firm may opt to utilize consultants. Refer to Attachment E. (3 pages maximum. Attachment E does not count toward page limits)

**Section D2 Key Personnel** (30 maximum points)

Design Professional's Staff (15 maximum points)

Provide the names of the Design Professionals staff intended for use on SBBC Projects, including applicable professional qualifications. Identify the Principal to be in charge of SBBC Projects. Identify other key personnel as appropriate, including the Senior Architect and primary production Architect. Not all staff personnel need to be listed. It is understood that staffing requirements will vary from project to project based on project scope and required design time frame. Refer to Attachment B. Resumes for key personnel should be provided.

Consultants' Staffing (15 maximum points)

For each Consultant, provide the names of the Consultants Staff intended for use on SBBC Projects, including professional qualifications. Identify the Principal to be in charge of SBBC Projects. Identify a Senior Engineer for each of the disciplines that each Consultant performs. Refer to Attachment B. Resumes for key personnel should be provided.

4.2.6 **Section E - Supplier Diversity and Outreach Program** (10 maximum points)

**Section E1 M/WBE Firms for Intended Use** (10 maximum points)

Identify the M/WBE firm or firms who may be working with you on this engagement utilizing Attachment A, M/WBE Participation.

## SECTION 5.0 - EVALUATION OF QUALIFICATIONS

5.1 Evaluation of Qualifications - The Evaluation Committee shall evaluate all Qualified Proposals by the following Categories.

<u>SECTION</u>	<u>POSSIBLE POINTS</u>
Section A – General	Pass/Fail
Section B – Required Forms	Pass/Fail
<u>Section C - Experience and Qualifications</u>	
Section C 1 - Executive Summary / Approach / Current Work Load	0 to 20
Section C 2 – Firm Experience and Qualifications	0 to 15
Section C 3 - Relevant Projects / References	0 to 15
<u>Section D - Team Composition</u>	
Section D 1 – Team Structure	0 to 10
Section D 2 – Key Personnel	0 to 30
<u>Section E - Supplier Diversity &amp; Outreach Program</u>	
Section E 1 - M/WBE Participation	0 to 10
<b>TOTAL POSSIBLE POINTS</b>	<b>100</b>

### 5.1.1 Scoring of M/WBE Participation – Section E1

The SBBC shall award a maximum of ten (10) points for M/WBE Participation as listed in the Evaluation Point Tables below. At the time the proposal is submitted, the proposer shall identify all M/WBE firms (if any) which will be utilized by using the M/WBE Participation Form and Statement of Intent Form. The Letter of Intent submitted with the proposal reflects the intent of the parties (prime and sub-consultant) to establish a business relationship as well as the type of work and percentage of work that the sub-consultant will perform.

5 Points For M/WBE Designer	
M/WBE Designer	5.0 Points

5 Points For M/WBE Sub-Consultant Participation	
≥ 25%	5.0 Points
≥ 20%	4.0 Points
≥ 15%	3.0 Points
≥ 10%	2.0 Points
≥ 5%	1.0 Points

*NOTE: Points for Category E shall be provided by the M/WBE Coordinator for use by QSEC members.*

5.2 Qualification Selection Evaluation Committee (“QSEC”) members shall rank proposers based on the total number of points received from QSEC committee member scoring. The proposer receiving the most total points received from all QSEC members shall be considered to be the **most qualified** proposer (“Firm 1”). All remaining proposers shall be ranked in order based on total points received from all QSEC members (**Firm 2, Firm 3, Firm 4, and etc.**).

- 5.2.1 The first tie-breaker between identically scored proposers shall be the total number of times the applicable proposers are ranked as the most qualified (Firm 1) by individual QSEC committee members.
- 5.2.2 The second tie-breaker between identically scored proposers shall be the total number of times the applicable proposers are ranked as the **second most qualified** ("Firm 2") by individual QSEC committee members.
- 5.2.3 The third tie-breaker between identically scored proposers shall be the total number of times the applicable proposers are ranked as the **third most qualified** ("Firm 3") by individual QSEC committee members.
- 5.2.4 The fourth tie-breaker shall be a coin flip, to be called in the air, by the proposer who held its discussions with QSEC first.
- 5.3 Any firm receiving a "Fail" score in Sections A or B shall be deemed non-responsive.
- 5.4 After scoring has been completed, QSEC shall recommend that District staff negotiate a contract for professional design services with Firm 1 at compensation which staff determines is fair, competitive, and reasonable.
  - 5.4.1 Should staff be unable to negotiate a satisfactory contract with Firm 1, negotiations with Firm 1 shall be formally terminated.
  - 5.4.2 Staff shall then undertake negotiations with Firm 2. Should staff be unable to negotiate a satisfactory contract with Firm 2, staff shall formally terminate negotiations with Firm 2, and then undertake negotiations with Firm 3.
  - 5.4.3 This process shall continue with the remaining, most qualified firms until a satisfactory contract is negotiated. If no negotiations are successful, the procurement shall automatically terminate.
- 5.5 After successful negotiations with the applicable proposer, an Agreement shall be submitted to the Board for approval and award of a Design contract.
- 5.6 **Award:** The Agreement resulting from these negotiations shall be governed by the laws of the State of Florida, and shall have venue established in the 17<sup>th</sup> Court of Broward County, Florida or the United States Court of the Southern District of Florida.

## END OF EVALUATION OF QUALIFICATIONS

## SECTION 6.0 – PROJECT SCOPE AND SCHEDULE

6.1 Summary Project Scope - The Scope of Work is summarized below.

Stranahan Senior High School

- Replace non-ADA compliant concrete ramps
- Provide aluminum canopies (over ADA ramps)
- Provide Single Point of Entry
- Provide Fire Sprinklers for Non-Protected Buildings
- Replace Fire Alarm System
- Weight Room Renovations (Flooring, Paint, Replace Old/Unsafe Equipment, Equipment Layout)
- Roof and Loggias (Canopies) Replacements
- STEM Lab Improvements
- Media Center Improvements (Including structural repairs of flooring as needed)
- HVAC Improvements
- Electrical Improvements

6.2 Project Budget - The Budget for this package is as follows.

Stranahan Senior High School

Total Funds from District's approved ADEFP:	\$17,790,000	
Less:		
- School Choice, Technology and Track	<u>\$ 943,000</u>	
Total Project Budget	\$16,847,000	
Less:		
- Other Owner Costs	<u>\$ 842,350</u>	
TOTAL Design, Construction and Soft Cost Funds		\$16,004,650

6.3 Project Schedule - The targeted Project Schedule milestones for this project is as follows:

Authorization to Proceed	August 2016
Completion of Design	February 2017
Final Completion – Construction	Q2 2018

**END OF RFQ**

M/WBE PARTICIPATION

Complete the following information on the proposed M/WBE participation on this contract.

Proposer's Company Name: \_\_\_\_\_

M/WBE Firm Information	Scope and/or Nature of Work to be Performed by the M/WBE	% of M/WBE Participation
Firm Name: _____ Contact Person: _____ Address: _____ _____ Telephone No.: _____ Facsimile No.: _____ M/WBE Certification No.: _____ Certifying Agency Name: _____ Address: _____ _____ Telephone No.: _____		
Firm Name: _____ Contact Person: _____ Address: _____ _____ Telephone No.: _____ Facsimile No.: _____ M/WBE Certification No.: _____ Certifying Agency Name: _____ Address: _____ _____ Telephone No.: _____		
Firm Name: _____ Contact Person: _____ Address: _____ _____ Telephone No.: _____ Facsimile No.: _____ M/WBE Certification No.: _____ Certifying Agency Name: _____ Address: _____ _____ Telephone No.: _____		

Note: percentage amount needs to be provided to receive points.

Design and Professional Consulting Staff

Prime Firm:

Name	Title	Role	Time Commitment	Florida professional license	Email Address

Subconsultant:

Name	Title	Role	Time Commitment	Florida professional license	Email Address

Subconsultant:

Name	Title	Role	Time Commitment	Florida professional license	Email Address

Subconsultant:

Name	Title	Role	Time Commitment	Florida professional license	Email Address

**PROFESSIONAL SERVICES AGREEMENT  
(Construction Management At Risk Project)**

**BETWEEN**

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**

**AND**

**PROJECT CONSULTANT**

**FOR**

**ARCHITECTURAL/ENGINEERING SERVICES**

**THIS AGREEMENT**, made this, \_\_\_\_ day of \_\_\_\_\_ in the year \_\_\_\_\_, by and between **THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**, hereinafter called the "**Owner**", and:

hereafter called the "**Project Consultant**" for the following project:

**Facility:**

**Site No.:**

**Project Name:**

**Project No.:**

**Fixed Limit Of Construction Cost (FLCC):** \$ \_\_\_\_\_

The Owner and Project Consultant agree as follows:

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ATTACHMENTS:

Attachment 1: Project Schedule



- Attachment 2: Project Scope
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**ARTICLE 1 DEFINITIONS**

- 1.1 **The Office of Facilities & Construction (“Office” or “OFC”):** The Owner’s organizational entity which acts as liaison between the Consultant and Owner and provides day to day management and other professional services on the Owner’s behalf. Various members of the Office of Facilities and Construction, acting as representatives of the Owner, will meet with the Project Consultant at periodic intervals throughout the preparation of the Contract Documents to assess the progress of the Work in accordance with approved schedules. Office personnel will also examine documents submitted by the Project Consultant, including invoices, and will promptly render decisions and/or recommendations pertaining thereto to avoid unreasonable delay in the progress of the Project Consultant's work. The Project Manager shall be principally responsible for direct communication to the Project Consultant and the Contractor.
- 1.2 **The Chief Facilities & Construction Officer, Office of Facilities & Construction -** An employee of The School Board of Broward County, Florida, who has the authority and responsibility for oversight and management of the specific project for the Owner. Referred to hereinafter as the Chief Facilities & Construction Officer.
- 1.3 **Authorization to Proceed:** A fully executed and approved authorization in the form of Attachment 6 to this Agreement, Authorization to Proceed (“ATP”) accompanied by an executed purchase order document issued by the Owner to the Project Consultant, authorizing the performance of specific professional services, authorizing commencement of a Phase as defined in Article 2.1 through Article 2.8, and stating the time for completion and the amount of fee authorized for such services.
- 1.4 **Basic Services:** Those architectural, engineering and other professional design services defined in Article 2.1 through Article 2.8.
- 1.5 **Supplemental Services:** Those architectural, engineering and other professional design services defined in Article 2.9.
- 1.6 **Project Consultant:** The individual, partnership, corporation, association, joint venture, or any combination thereof, of professional architects, engineers or other design professionals properly registered and licensed in Florida, who has entered into a contract with the Owner to provide professional services for development of the design and contract documents for the Work of this Project and provide construction contract administration and warranty services as described in the Project Manual and under this Agreement.

- 1.7 **Project Scope:** The activities necessary to respond to the Owner's requirements for the Project, including but not limited to the full or partial range of design, bidding and construction support services required to meet the Owner's educational program, construction standards, project construction support requirements, Project Budget and Project Schedule.
- 1.8 **Project Budget:** The sum, established by the Owner, as available for the entire Project, including but not limited to the construction budget (Fixed Limit of Construction Cost ("FLCC")), land costs, costs of furniture, fixtures and equipment (FF&E), financing costs, compensation for all professional services, costs of Owner-furnished goods and services, contingency allowances and other similar established or estimated costs.
- 1.9 **Project Schedule:** The Owner's requirements for the progress of design and construction activities associated with the Project characterized by milestones signifying the required completion dates for design phases, construction progress, and other significant project events culminating with the completion of the project, issuance of warranties, Owner's occupancy and use of the new or improved facilities.
- 1.10 **The Contract Documents:** The Contract Documents as used herein refer to the Agreement Form, Addenda, Supplementary Conditions, General Conditions, Documents contained in the Project Manual, the Owner's Division 0 and Division 1 documents, Drawings, Specifications, Education Specifications, all modifications thereto, issued before and after execution of the Contract and all Exhibits attached thereto used by the Owner to establish an agreement with the Construction Manager. These Contract Documents, and their requirements for the Project Consultant are incorporated by reference into this Agreement.
- 1.11 **Construction Manager:** The individual, partnership, corporation, association, joint venture, or any combination thereof, who has entered into an agreement with the Owner for the performance of the work defined by the contract documents.
- 1.12 **Program Manager:** An entity hired by the School Board of Broward County to execute the delivery of projects and act as the Owner's Representative.
- 1.13 **Project Manager:** An employee or designated representative of The School Board of Broward County, Florida, who is assigned by the Chief Facilities and Construction Officer to manage the Project as a direct representative of the Owner.
- 1.14 **The Project:** The design of new construction, remodeling and/or renovation, and all services and incidents thereto, comprising a structure, structures, facility or facilities as contemplated and budgeted by the Owner.
- 1.15 **Sub-Consultant:** A person or organization of professional architects, engineers or other design professionals, registered and licensed in Florida, who has entered into an Agreement with the Project Consultant to provide professional services for the project.
- 1.16 **Superintendent Of Schools:** The duly appointed executive officer of the Owner authorized to act by and through The School Board of Broward County, Florida. Referred to hereinafter as the Superintendent.
- 1.17 **Fixed Limit of Construction Cost:** The Fixed Limit of Construction Cost, referred to hereinafter as the FLCC, is the total dollar value of the sum of the project's anticipated base bid (the project's essential scope) including design contingency.

- 1.18 **Building Code Inspector and Plans Examiners (BCI):** Employees of The School Board of Broward County, Florida, and others designated by the Chief Building Official, who are certified by Florida Statutes 468, 633 and 553 a BCI by the Florida Department of Education to provide plan review, inspections for code compliance and report non-compliant work to the appropriate party.
- 1.19 **Value Engineering:** Value Engineering (VE) is the creative, organized process of analysis of a project as to cost and/or performance with a focus on analysis of the proposed facility (and its systems, assemblies or components) and the elimination or modification of those features which add cost without contributing to that facility's required function or design value.
- 1.20 **Constructability:** Constructability is the creative, organized process of reviewing a project's drawings, specifications and other project documentation with a goal of eliminating design, detailing, and specification problems which might render the construction contract documents unbuildable or requiring extensive Addenda or Change Orders to make them buildable.
- 1.21 **The Project Construction Team-** The Construction Manager, the Owner (and Owner's Representative) and the Project Consultant, collectively the "Project Construction Team", shall work jointly during all phases of design, construction and warranty phase and shall be available thereafter should additional services be required. The specific representatives of the Construction Team are shown in Exhibit A attached to the general conditions to the Agreement between Owner and Construction Manager.
- 1.22 **Substantial Completion:** The term Substantial Completion as used herein, shall mean that point at which the Work, or a designated portion thereof, is at a level of completion in substantial compliance with the Contract Documents such that the Owner or its designee can enjoy use or occupancy and can use or operate it in all respects for its intended purpose. In the event the Work includes more than one Phase, the Owner, at its discretion, may set Substantial Completion dates for each Phase and may impose provisions for liquidated damages for each Phase.
- 1.23 **Chief Building Official, Inspections and Code Compliance:** ("CBO") An employee of The School Board of Broward County, Florida, who has the responsibility for oversight and management of the Building Department, and has the authority and responsibility for issuing Building Permits.
- 1.24 **Code:** The term Code means and refs to all applicable codes, laws and regulations of each governmental entity, as may be amended from time to time, in effect at the time of execution of this Agreement, including all codes and standards referenced therein, including, but not limited to:, the Fifth Edition of the 2014 Florida Building Code (the "FBC"), the Fifth Edition of the Florida Fire Prevention Code, Chapter 1013, Florida Statutes (2015)Florida State Board of Education Regulations ("SREF"), Chapter 6A-2.0111 (Educational Facilities), the 1999 State Requirements for Educational Facilities (2014)Florida Department of Education's State Requirements for Educational Facilities ("SREF")adopted pursuant to Rule 6A-2.0111, Florida Administrative Code, as may be amended from time to time, to the extent such requirements are not in conflict with Section 235.211, Florida Statutes 1995, Americans With Disabilities Act (ADA), in effect at the time of execution of this Agreement, and its referenced codes and standards; Crime Prevention Through Environmental Design (CPTED) (Broward Sheriff's Office), and all guidelines and regulations of the Owner (provided same are not less stringent than applicable codes) with the Owner serving as the interpreter of the intent and meaning of SREF or any other applicable code

**ARTICLE 2 PROJECT CONSULTANT SERVICES AND RESPONSIBILITIES**

**2.1 Basic Services**

2.1.1 The Project Consultant agrees to:

- .1 Provide complete professional architectural, engineering and/or other professional design services set forth in the six Phases enumerated hereinafter and all necessary personnel, equipment and materials to perform such services;
- .2 Complete those design services in accordance with the Project Schedule (Attachment 1 to this Agreement) and provide up to three (3) bidding packages to the Owner and Construction Manager including but not limited to designated portions of the project as recommended by the Owner, Project Consultant, Program Manager or Construction Manager and approved by the Owner.
- .3 Work closely with the Construction Manager during all design phases to provide Value Engineering services, to assure the design includes the entirety of the Project Scope, to assure that the design is constructable, and to assure the design is Code-compliant. Specifically, cooperate with Construction Manager in the Value Engineering at the end of Phases I and II (Schematic Design and Design Development), Constructability Reviews at the end of Phase III (Construction Documents), Statement of Probable Construction Cost at end of each phase, SIT Award Application and other additional basic services as provided in Article 2.1 through Article 2.8.
- .4 The Owner may select certain projects for expediting using fast track construction. If this option is exercised, in writing by SBBC, the Project Consultant shall coordinate the work with the CM and Owner and prepare documentation / packages appropriate to this construction method.

2.1.2 Standard Of Care: The Owner's engagement of the Project Consultant is based upon the Project Consultant's representations to the Owner that:

- .1 It is an organization of experienced design professionals, registered and licensed to do business in Florida;
- .2 It is qualified, willing and able to perform architect and engineer of record services for the Project; and that
- .3 It has the past experience and ability to provide design and engineering services for projects of similar size and scope which will meet the Owner's objectives and requirements.

2.1.3 As to all services provided pursuant to this Agreement, the Project Consultant shall furnish services by experienced personnel and under the supervision of experienced professionals licensed in Florida, and shall exercise a degree of care and diligence in the performance of these services in accordance with the customary professional standards currently practiced by firms in Florida and in compliance with any and all applicable codes, laws, ordinances, etc. The Project Consultant shall utilize the same personnel over the course of the Work and shall, if requested by the Owner, replace personnel whom the Owner has found to be incompetent or to whom the Owner otherwise reasonably objects.

2.1.4 As to any and all drawings, plans, specifications or other contract documents or materials provided or prepared by Project Consultant or its Sub-Consultants, the Project Consultant agrees same:

- .1 Are sufficiently complete, accurate, and adequate for bidding, negotiating and constructing the Project and are consistent with the Owner's requirements and Owner approved Project Budget and Project Schedule;
  - .2 Meet the Owner's aesthetic, functional and operational objectives;
  - .3 Are sufficiently fit and proper for the purposes intended;
  - .4 Comply with all applicable laws, statutes, rules and regulations, building codes and Owner's guidelines or regulations, which apply to and govern the Project, and
  - .5 Will, if constructed in accordance with the Project Consultant's Design and Owner approved Construction Manager recommendations, result in a complete and properly functioning facility. Any defective drawings, specifications or other document furnished by Project Consultant shall be promptly corrected by the Project Consultant at no cost to Owner, without limitations to other remedies or rights of Owner. Owner's approval, acceptance or use of or payment for all or any part of Project Consultant's services hereunder or of the project itself shall in no way alter the Project Consultant's obligations or Owner's rights hereunder.
  - .6 Further, any approval of drawings or construction documents by Owner and/or other governmental entities having jurisdiction which do not expressly comment and/or interpret a building code requirement shall not relieve the Project Consultant from its obligations to furnish design services pursuant to the applicable building codes nor be the basis for a waiver defense should Owner accept and/or approve any drawings and/or contract documents wherein an error or omission is not discovered during the design process.
- 2.1.5 All professional design services and associated products or instruments of those services provided by the Project Consultant shall:
- .1 Be in accordance with all applicable codes, laws and regulations of each governmental entity, as may be amended from time to time, in effect at the time of execution of this Agreement, including all codes and standards referenced therein, including, but not limited to: the Fifth Edition of the 2014 Florida Building Code (the "FBC"), the Fifth Edition of the Florida Fire Prevention Code, Chapter 1013, Florida Statutes (2015), the State Requirements for Educational Facilities (2014) ("SREF"), Crime Prevention Through Environmental Design (CPTED) (Broward Sheriff's Office), and all guidelines and regulations of the Owner (provided same are not less stringent than applicable codes) with the Owner serving as the interpreter of the intent and meaning of SREF or any other applicable code (all of the above-referenced codes, laws, regulations and standards referenced therein are herein collectively referred to as "**Code**");
  - .2 Be provided for the benefit of the Owner and not for the benefit of any other party; and
  - .3 Include all of the design services normally required for a project of this type as listed in the Project Scope (Attachment 2 to this Agreement).
  - .4 Notwithstanding any other provisions of this Agreement to the contrary, any substantially affected person may appeal any building code dispute or interpretation of the Chief Building Official of the

School Board of Broward County, Florida to the Florida Building Commission as set forth in section 1013.37, Florida Statutes and the FBC, as amended.

- 2.1.6 The Project Manager shall schedule and conduct a bi-weekly project review meeting with representatives of the Project Consultant throughout Phases I through IV of the Project. At each of these meetings, the Project Consultant and Owner and Construction Manager shall review the Project's budget, schedule, and scope along with the Project Consultant's development and progress to date on the respective phases of the Project and any special problems related to the continuing progress of the project. The Project Consultant shall attend weekly meetings during Phase V (Construction) as required elsewhere in this Agreement. For each project review meeting, and as may be otherwise appropriate during any project phase, the Project Consultant shall provide progress sketches and other documents sufficient to illustrate progress and the issues at hand for the Owner's and Construction Managers review, which will be made so as to cause no delay to the Project Schedule.
- 2.1.7 The Project Consultant's services shall conform to Owner's specifications, including but not limited to, Owner's Design and Materials Standards Manuals, Design Criteria, Educational Specifications, Document Submittal Checklist for Plan Review and Owner's Forms for capital projects, provided, however, that in the event of conflict, the provisions of this Agreement shall govern.
- .1 **Non-Conforming Work:** If the Owner (by way of BCI's or other Owner personnel or consultant) or Construction Manager observes or otherwise becomes aware of any fault or defective Work in a project, or other non-conformance with the Contract Documents during the construction phases, the Owner or Program Manager shall give prompt notice thereof to the Project Consultant. However, whether the Owner observes a defect or not, it is the Project Consultant's duty and responsibility to determine whether said Work is defective, faulty, or not in compliance with the Contract Documents. If the Project Consultant determines that the Work is defective, faulty or not in conformance with the Contract Documents, the Project Consultant shall advise the Owner in writing and make recommendations to the Owner concerning correction of the Work. The Owner may then require the Construction Manager to undertake such corrections as allowed by the Contract Documents. Final determination of whether the Work is defective, faulty or in compliance with the Contract Documents is to be determined by the Owner.
- .2 **Penalty for Non-Conforming Design Documents:** Should the Project Consultant submit drawings, plans, specifications or other documents or materials for review as required herein that are deemed unacceptable as defined by the terms "Revise and Resubmit" by the plan review authority (Building Department, Design Services Department, Peer Plan Review Consultant), the costs, as solely determined by the Owner, for all subsequent reviews after the second review for that Phase shall be borne by the Project Consultant and the Owner will deduct such costs from the Project Consultant's Basic Services Fee.
- 2.1.8 The Project Consultant shall keep the Owner and Construction Manager informed of any proposed changes in requirements or in construction materials, systems or equipment as the drawings and specifications are developed. Proposed changes must be reviewed by the Owner and Construction Manager and approved in writing by Owner prior to incorporation into the design or construction documents.
- 2.1.9 The Project Consultant shall coordinate with Owner and Construction Manager by participating and taking a leadership role in, reviewing and commenting on Constructability and Value Engineering studies performed by Owner and Construction Manager, and attending meetings, where the content of design and construction contract documents will be coordinated and reconciled, scheduled during any phase of the project. In the

event Owner accepts recommendations from Value Engineering and Constructability studies, the Project Consultant shall implement same, including providing revised drawings and specifications or other documents. In the event the Owner accepts such a recommendation from the Constructability and/or Value Engineering studies and requires substantial revisions by the Project Consultant, as determined at the discretion of the Owner, these revisions shall be considered Supplemental Services.

2.1.10 **Approval of Documents:** Owner's approval of or comments on any of the documents submitted to Owner by Project Consultant shall not be deemed the approval of or by another governmental authority having jurisdiction over the project and Project Consultant acknowledges that the aforesaid authorities may require modifications of any of the documents submitted by Project Consultant. Subject to Article 2, such modifications shall be made at no cost to Owner.

2.1.11 **Construction Manager Deliverables/Project Consultants Duty to Review and Respond:** In addition to any other obligations set forth elsewhere in this Agreement or the Contract Documents, the Project Consultant shall review and respond in writing to reports or recommendations (“CM Deliverables”) of the Construction Manager.

.1 **Cost Estimates:** The Project Consultant shall review and comment on all cost estimates submitted by the Construction Manager.

.2 **Value Engineering Reviews:** The Project Consultant shall review and comment on all value engineering reports submitted by the Construction Manager.

.3 **Constructability Reviews:** The Project Consultant shall review and comment on all constructability reviews submitted by the Construction Manager.

.4 **GMP:** The Project Consultant shall review and comment on GMP proposal(s) submitted by CM including all qualifications and assumptions set forth therein,

.5 **Contingency Use:** The Project Consultant shall review and make recommendations to Owner on proposed contingency use including initial determination of cause.

.6

## **2.2 PHASE I - Schematic Design:**

2.2.1 The Project Consultant shall confer with representatives of the Owner to verify and confirm the Program (as appropriate to the type of project), consisting of a detailed listing of all functions and spaces together with the square footage of each assignable space, gross square footage, and a description of the relationships between and among the principal programmatic elements. (If the project needs are so unique that a special analysis of the requirements is necessary to establish a more detailed program, such services may be authorized as Supplemental Services).

2.2.2 The Project Consultant shall, prior to commencing Phase I design activities, receive a fully approved and executed ATP and Purchase order (See 5.2.3), visit and inspect the site to verify if existing conditions conform to those portrayed on information as may have been provided by the Owner:

- .1 Take photographs and make written documentation, sketches, notes or reports to confirm and record the general condition and age of the existing equipment and site with particular attention to the following building/site elements as appropriate to the Project:
  - .1 All above ceiling areas.
  - .2 Power supplies, switch gear, breaker panels, electrical room, electrical vault, transformers and mechanical room.
  - .3 Major components of existing HVAC systems including chillers, cooling towers, air handling units, and primary ductwork runs.
  - .4 Roofing, waterproofing and building envelope systems.
  - .5 Site drainage systems and water retention characteristics.
  - .6 Determine age and condition of fixed equipment.
  - .7 Life safety, fire alarms, public address, generators and emergency lighting.
  - .8 ADA requirements.
- .2 Site investigations and inspections and access to concealed areas should be non-destructive except where destructive investigations, tests or means of access are authorized in advance by the Owner.
- 2.2.3 In the event that the Project Consultant believes that the project scope, schedule or budget is not achievable, the Project Consultant shall immediately notify the Owner and Construction Manager in writing as to the reasons one or all of them are unreasonable or not achievable immediately upon discovery.
- 2.2.4 The Project Consultant shall review with Owner alternative approaches to design and construction of the project; site use and improvements; selections of materials, building systems and equipment; potential construction methods; and, if requested, shall make a recommendation among such alternatives.
- 2.2.5 The Project Consultant shall prepare, submit and present to Owner for approval by the Owner a Design Concept and Schematics Report, comprised of the SREF requirements for Schematic Design Documents and Schematic Design Studies, including an identification of any special requirement(s) affecting the Project, a Project Development Schedule, and a Statement of Probable Construction Cost, as defined below:
  - .1 "Project Transmittal Form" as required by the Facilities and Construction Management Division's Design Services Department.
  - .2 OEF form 208(a) "OEF Space Chart Form" formatted to follow the sequence of spaces listed in the SREF Size of Space and Occupant Design Criteria Table.
  - .3 A hardcopy and electronic media copy of a site survey with the following information: the legal description of the site, acreage, points of the compass, contours, overall dimensions, vegetation, trees, hardscape elements, adjacent highways and roads, information about ownership and use of adjacent land, locations of on- and off-site utility connections, utility service point entry locations, parking



areas, service areas, play areas, athletic fields, bus loop(s), parent drop off, existing buildings with height, mechanical cooling towers and chillers, floor elevations (related to base flood elevation as shown on Flood Insurance Rate Maps), and use. The site survey will be an update of informational surveys provided by the Owner but shall be prepared on electronic media and submitted in both hard and electronic media formats. (Attachment 3 to the Agreement).

- .4 **Schematic Drawings.** These documents shall be schematic drawings responding to the educational specifications and program requirements illustrating the general scope, scale, and relationship of project components. In addition to SREF requirements and information required by the Owner's document submittal checklist for phase I, the documents shall include the following:
- .1 A site plan showing acreage, points of the compass, scale, contours and general topographical conditions, flood plain elevation and velocity zone, over-all dimensions, adjacent highways, roads, off-site improvements, emergency access, fire hydrants, power transmission lines, ownership and use of adjacent land, walks and paths, vehicle and bike parking areas, accessibility for the disabled, service areas, play areas, athletic fields, bus loop(s), parent drop off, existing buildings and use, location of proposed building(s) and future additions, portable classrooms and other relocatable or temporary structures, community use buildings, phased construction, preliminary soil borings. A statement shall be included on the site plan identifying the FEMA flood plain and velocity zone in which the project is located. The statement shall be signed and dated by the Project Consultant.
  - .2 Evidence, as jointly developed with the Owner, showing that required environmental studies have been completed and sensitive site areas have been identified as required by Florida Law or the Owner or any governmental entity having jurisdiction over the project site.
  - .3 Floor plans showing points of the compass, over-all dimensions, identity of each space, proposed door locations, accessibility for the disabled, Florida Inventory of School House (FISH) numbers, occupant load of each space, proposed passive design and low energy usage features, possible community service areas and instructional spaces that can be converted to community use areas, mechanical and electrical rooms, any existing buildings and use, future additions, and phased construction. Provide a life-safety plan delineating the necessity for and initial decisions concerning exits, accessibility for the disabled, fire walls, protected corridors, smoke partitions, fire alarm systems, fire sprinkler systems, room names and numbers, and any other life-safety features relevant to the facility.
  - .4 Provide elevations and sections of the building to fully illustrate and indicate the mass and character of the facility including fenestration, openings, walkways, preliminary material selections, and other building features and spatial relationships.
- .5 A Preliminary Project Description comprised of a narrative discussion of preliminary material selections, components, assemblies, and systems (including proposed landscape, civil, structural, mechanical, and electrical design elements, components and systems) to be used in the project. Coordinate points of service and preliminary service requirements with Florida Power and Light (FPL), BellSouth, cable TV, water, sewer, storm drainage and other utility services as required by the Project's scope and program. Format Preliminary Project Descriptions to match that specified by the latest edition of the Construction Specification's Institute's "Manual of Practice".

- .6 Mechanical Requirements Specific to Remodeling and Addition Projects: Provide a listing of capacities for existing HVAC equipment and the available tonnage for the new connected load. Provide a survey of the condition of the existing mechanical equipment.
  - .7 Electrical Requirements Specific to Remodeling and Addition Projects: Provide an electrical load analysis for the existing facility for existing and new loads. Provide a survey of the condition of the existing electrical equipment and the communication equipment room.
  - .8 **A Project Design Schedule:** The Project Consultant shall prepare a schedule of services (Project Design Schedule) in compliance with Project Schedule and for approval by the Owner. Such schedule shall show activities including but not limited to Project Consultant efforts and Owner and Construction Manager reviews and approvals required to complete services. This schedule shall initially be submitted to Owner for approval within twenty-one (21) days of execution of this Agreement. As a condition of payment, Project Consultant will submit with each invoice a copy of the approved schedule showing progress (indicated by percentage complete) as of the invoice cutoff date and a forecast of when each phase of Project Consultant's work will be complete. No subsequent payment shall be made if Project Consultant has not obtained approval of his work schedule, the schedule is not updated, or a forecast is not submitted with each invoice (provided that Owner conducts its review promptly and does not withhold its approval unreasonably). The project development schedules shall set forth in detail the following:
    - .1 Include all activities required to complete the design phase of the project.
    - .2 Prepare in a bar chart format, or other format as required by the Owner, which may be further developed and updated for submittal during subsequent phases of the Basic Services.
    - .3 The Project Consultant shall not be permitted to deviate from the milestones indicated on the Project Schedule without specific written authorization from the Owner (Attachment 1 of this Agreement).
  - .9 The Statement of Probable Construction Cost: The Consultant shall submit to Owner for review and Owner's approval a schematic design phase estimate of probable construction cost prepared by an independent cost estimator approved by Owner, itemized by major categories and projected to the expected time of bid.
  - .10 Twenty-five (25) copies of a Design Concept and Schematics Report which will be utilized to communicate the schematic design and shall include: Reduced color drawings (Site and building plans, elevations, sections, sketch perspectives and miscellaneous diagramming), photographs of massing and building models, a facilities list (including the number of spaces, net/gross square footages, etc.), the Project Development Schedule, and a summary design statement indicating the general design intent, conceptual development, and preliminary material, assembly and system selections. Provide brochure with heavy stock covers and plastic comb or metal spiral binding. Additional copies of the Schematic Design Brochure if required by the Owner will be compensated as a reimbursable service approved in advance by the Owner.
- 2.2.6 The Project Consultant shall coordinate with the assistance of the Owner and Construction Manager to determine the municipal, county and other jurisdictional agency (such as the South Florida Water Management District, etc.) coordination required for the Project and, make applications for site plan and other review as appropriate to this phase of the project. The Project Consultant shall attend and provide

representation at all review meetings, workshops, hearings and Commission/Council meetings concerning the project as conducted by any and all other agencies having jurisdiction over the project.

2.2.7 The Project Consultant shall submit seven (7) copies of all full size documents required under this Phase, and a completed document submittal checklist, without additional charge, for review by Owner and Construction Manager and approval by the Owner. The Project Consultant shall not proceed with the next Phase until the completion of all required presentations and reports and receipt of a written Authorization to Proceed with the next phase.

2.2.8 The Project Consultant shall provide presentations of the Schematic Design to the Owner's staff, Design Review Committee, Construction Manager and to The School Board of Broward County, Florida, as required.

**2.3 Phase II - Design Development:**

2.3.1 Only after receiving a fully approved and executed ATP and Purchase order (See 5.2.3), from Owner and based on the approved Schematic Design Documents and any adjustments authorized by Owner in the Project Scope, Project Schedule or Project Budget, the Consultant shall prepare, submit and present for review by Owner and Construction Manager and approval by the Owner, Design Development Phase documents, comprised of the SREF requirements for Design Development documents and the following:

- .1 "Project Transmittal Form" as required by the Facilities and Construction Management Division's Design Section.
- .2 OEF form 208 (a) "OEF Space Chart Form" formatted to follow the sequence of spaces listed in the SREF Size of Space and Occupant Design Criteria Table.
- .3 **Documents:** These documents shall be design development drawings corresponding to the educational specifications and program requirements illustrating the general scope, scale, and relationship of project components. In addition to Phase I requirements, SREF requirements, and information required by the Owner's document submittal checklist for phase II, the documents shall include the following:
  - .1 Architectural and Civil site plan(s) showing, in addition to Phase I site survey requirements, landscaping, drainage, water retention ponds, sewage disposal and water supply system, chilled water supply and return piping and such physical features that may adversely affect or enhance the safety, health, welfare, visual environment, or comfort of the occupants.
  - .2 A statement, signed and dated by the Project Consultant or his designated Sub-Consultant, included on the site plan identifying the number of existing trees, the number and size of required trees, and the number of new trees to be planted.
  - .3 Soil testing results including a copy of the Geotechnical Engineer's report on the site. When unusual soil conditions or special foundation problems are indicated, submit the proposed method of treatment.
- .4 Plan(s) including, but not be limited to, the following:

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- .1 Floor plan drawn at an architectural scale that will allow the entire facility to be shown on one sheet, without break lines and which indicates project phasing as applicable to the Project.
  - .2 Floor plans drawn at 1/8 inch or larger scale showing typical student occupied spaces or special rooms with dimensions, sanitary facilities, stairs, elevators, and identification of accessible areas for the disabled.
  - .3 Floor plans drawn at 1/4 inch or larger scale showing typical spaces or special rooms with dimensions, equipment and furnishing layouts.
  - .4 Floor plans for additions to an existing facility: Indicate the connections and tie-ins to the existing facilities, including all existing spaces, exits, plumbing fixtures and locations, and any proposed changes thereto. Distinguish between new and existing areas for renovation, remodeling, or an addition.
  - .5 Floor plans drawn at 1/4 inch or larger scale showing typical spaces or special rooms with dimensions, indicating door and window layouts.
  - .6 Reflected ceiling plans drawn at 1/4 inch or larger scale showing typical spaces or special rooms with dimensions, lighting equipment and ceiling panel layouts.
  - .7 Roof plans drawn at 1/4 inch or larger scale showing typical spaces or special rooms with dimensions, equipment layouts.
- .5 Life-safety plans to show exit strategy, rated doors, emergency wall openings, fire walls working stage protection, range and fume hoods, eye wash, emergency showers, ramps and vertical lifts.
- .1 By symbol, indicate fire extinguishers, fire alarm equipment, smoke vents, master valves and emergency disconnects, emergency lighting, emergency power equipment, fire sprinklers, exit signs, smoke and fire dampers, and other life-safety equipment relevant to the facility.
  - .2 By symbol, indicate connections and tie-ins to existing equipment.
  - .3 For existing facilities where remodeled or renovated spaces are required and where an ADA and code conforming ramp cannot be utilized, document proposed vertical platform lifts or inclined wheelchair lifts and provide the following documents as part of or in addition to the required life safety plans:
    - .1 Sketches of proposed vertical platform lifts, including layout drawings showing the effect of the lift on existing spaces, corridor widths and exiting from the affected facility.
    - .2 Sketches of proposed inclined wheel chair lift including layout drawings showing the effect of the lift on the stairway width in the folded and unfolded position, the upper and lower platform storage locations, and the effect on exiting from the affected areas of the facility.
- .6 When planning open space schools or administrative spaces, a floor plan shall be submitted showing the methods used to permanently define the means of egress, such as surface finish or color.

- .7 Plumbing fixture locations and fixture unit calculations.
- .8 All exterior building elevations and sufficient building sections as necessary to fully illustrate and indicate the scale and massing of the facility.
- .9 Typical building sections to show dimensions, proposed construction materials, and relationship of finished floor to finished grades.
- .10 Preliminary Structural Drawings including plans and sections indicating systems, connections and foundations. These drawings may be structural roughs.
- .11 Mechanical Drawings including reflected ceiling plans and a single line diagram of the duct layout, location of grease trap(s), LP gas tank location, and natural gas pipe lay out, tie in to existing utilities. Enhance systems description to include a description of proposed HVAC system equipment including the chiller, pumps, AHU's, cooling tower, electric duct heaters, etc.
- .12 Electrical Drawings including reflected ceiling plans, lighting layouts for the outdoors and interior spaces, and a one line diagram of the electrical distribution showing electrical outlets for all systems in all spaces. Provide layout for energy management, computer networking and security systems. Location of all the main components of the electrical system such as transformers, panels, and main switch board, and emergency generator, location of the intercom console, ITV head end and tower, master clock, fire alarm panel. Also, show locations of mechanical equipment such as chillers, air handler units, etc. and their respective electrical connections.
- .13 **Equipment and Furnishing Schedules:** Indicating equipment and furnishing items that will be provided by the Construction Manager and those that will be provided by the Owner or others.
- .14 **Outline specifications:**
  - .1 Organized according to the Specification Section numbering system specified in the Construction Specifications Institute's current edition of Masterformat on the date of execution of the Contract.
  - .2 Formatted to conform to the formats for outline specifications as established by the Construction Specifications Institute.
  - .3 Complete for Divisions 2 through 17 giving general description of all finishes, materials, and systems including civil, structural, HVAC, electrical, plumbing, and specialty items, including fire sprinklers, alarm systems, electronic controls and computer networking components.
- .15 Office of Educational Facilities Life-Cycle Cost Analysis (LCCA). LCCA shall be submitted to the Owner for review and approval with the Phase II documents. LCCA shall be by a commercially available life-cycle cost analysis program, and as required by the Department of Education and the Owner. Life Cycle Cost Analysis shall be compared among competing providers in accordance with Ch. 1013.451, Florida Statutes.
- .16 Florida Energy Efficiency Code for Building Construction (FEEC). FEEC forms, including calculations for mechanical systems, documenting energy efficiency ratio rating of HVAC

equipment, electrical systems, insulation, and building envelope shall be submitted to the Owner for review and approval with the Phase II documents.

- .17 The Project Consultant shall advise Owner of any adjustments to the Schematic Design Phase estimate of probable construction cost and shall submit to Owner a fully detailed Design Development Phase estimate of probable construction cost, by an independent cost estimator approved by Owner, projected to the expected time of bid and containing sufficient detail to provide information necessary to evaluate compliance with the Project Budget set for this project. Format estimate and provide detail matching the organization and content of the project's Outline Specifications complete for Divisions 2 through 17 including all finishes, materials, and systems including civil, structural, HVAC, electrical, plumbing, and specialty items, including fire sprinklers, alarm systems, electronic controls and computer networking components.  
  
Utilize the current edition of MasterFormat as published by the Construction Specifications Institute to organize the estimate.
- .18 An updated Project Design Schedule reflecting development and anticipated schedules for all subsequent project activities.
- .19 A written response from the Project Consultant and each of the major technical disciplines and any necessary Sub-Consultants explaining how each previous review comment (as generated by the Owner and/or other reviewing agencies) concerning the project have been addressed and/or corrected.
- .20 A simplified single line floor plan of the project; a database format schedule reflecting the room numbers; the name of the room or space; the net square footage of the space and the capacity of the space on electronic media conforming to the Owner's standards for graphics and for electronic media submittals. This drawing and database information will be for use in preparing F.I.S.H. (Florida Inventory of School Houses) information. The Project Consultant shall coordinate with and utilize the Owner's F.I.S.H requirements for room numbers, room name assignments and electronic media (format, layering, etc.) prior to developing final documents for this submittal. Hardcopy graphics shall be suitable for clearly legible half size reductions. Comply with the Owner's requirements for electronic media specified below.
- .21 A letter indicating, after coordination with the Facilities and Construction Management Division's Environmental Section, the extent of any known or suspected asbestos containing materials or other potentially hazardous materials which might require mitigation by the Owner prior to or during construction of the Project. Establish and confirm responsibility for removing the asbestos or other hazardous materials in the design development documents and coordinate with Project Development Schedule, Statement of Probable Construction Cost and other documentation.
- .22 Preliminary colorboards to review the color selections for all finish materials with the Owner.
- .23 Twenty-five (25) copies of a Design Development Brochure which will be utilized to communicate the design as developed to date and shall include updated and enhanced contents of those brochures required at the Schematic Design Phase complete as necessary to illustrate the developed design, schedules, etc. Additional copies of the Design Development Brochure if required by the Owner will be compensated as a reimbursable service approved in advance by the Owner.

2.3.2 Staff from each of the Project Consultant's major technical disciplines and Sub-Consultants as necessary shall attend coordination, review and presentation meetings with the Owner and Construction Manager to explain the design concept and technical resolution of their respective building or site systems.

2.3.3 The Project Consultant shall submit seven (7) sets of all documents required under this Phase (except as otherwise indicated), without additional charge, for review by Owner and Construction Manager and approval by the Owner, and the Project Consultant shall not proceed with the next Phase until the completion of all required presentations and reports and receipt of a written Authorization to Proceed with the next phase.

**2.4 Phase III - Construction Documents Development:**

2.4.1 Only after receiving a fully approved and executed ATP and Purchase order (See 5.2.3) from Owner and based on the approved Design Development Phase documents and any adjustments in the scope or quality of the project or in the Fixed Limit of Construction Cost reviewed by Construction Manager and authorized by Owner, the Project Consultant shall prepare for approval by Owner and the Florida Department of Education, and in accordance with SREF requirements and the Owner's formats, Final Construction Documents setting forth in detail the requirements for the construction of the Project. The Project Consultant is responsible for the full compliance of the design with all applicable codes.

2.4.2 **50% Construction Documents Submittal:** The Project Consultant shall make a 50% Construction Documents submittal, for review by Owner and Construction Manager and approval by the Owner, which shall include seven (7) sets of the following:

- .1 "Project Transmittal Form" as required by the Facilities and Construction Management Division's Design Section.
- .2 An updated OEF form 208(a) "OEF Space Chart Form" formatted to follow the sequence of spaces listed in the SREF Size of Space and Occupant Design Criteria Table.
- .3 Updated Florida Energy Efficiency Code for Building Construction (FEEC) compliance forms. Submit seven (7) copies signed and sealed by a State of Florida registered design professional with 50% Contract Documents submittal.
- .4 **Preliminary calculations:** Provide preliminary calculations for structural, mechanical and electrical systems.
- .5 **Drawings:** These documents shall be 50% construction drawings corresponding to the educational specifications and program requirements illustrating the general scope, scale, and relationship of project components. In addition to Phase II requirements, SREF requirements, and information required by the Owner's document submittal checklist for phase III 50%, the documents shall include the following:
  - .1 Site Plan(s) and detailing which, in addition to the Phase II requirements, indicate:
    - .1 Spot elevations, based on the civil grading plan, for the perimeter of the new additions, sidewalk, or any other areas pertinent to the drainage of rainwater.

- .2 Location of storm water service for new additions roof drainage.
  - .3 Parking lot lighting poles location and type.
  - .4 Final location for manholes, handholes, pull boxes.
  - .5 Layout of underground distribution systems (normal power emergency power, fire alarm, master clock, intercommunication, television, telephone, security, control and spares).
  - .6 Locations of all site improvements, playground and athletic equipment, street furniture, planters and other features.
  - .7 Details of all curbing, typical parking spaces (regular and handicap accessible), handicap ramps, bus loop(s), parent drop-off, directional signage, site lighting, flagpole and fence foundations, and any other site conditions pertinent to the scope of work.
  - .8 Plans of new playcourts, tennis courts, tracks, event pads and other pertinent athletic, physical education or recreational areas provided with court markings and detailing for basketball goals, volleyball sleeves, tennis nets, and other playcourt equipment or accessories.
- .2 A plan to delineate staging areas, site barriers and other area designations to control and separate students, faculty, staff and the public from construction activities and traffic.
  - .3 Landscape plans and detail including a plant list clearly noted and cross referenced, details for shrub and tree plantings, identification of plants and trees to remain, be removed or relocated, and other necessary documentation.
  - .4 Irrigation plans and details delineating the entire area of the project, and addressing necessary connections, alteration, repair or replacement of any existing irrigation systems.
  - .5 **Full floor plans including:**
    - .1 All dimensions and any cross references explaining the extent of Work, wall types, or other component, assembly or direction regarding the Construction.
    - .2 Note all chases and delineate all rainwater leaders.
    - .3 Show structural tie columns and coordinate with the floor plan.
    - .4 Cross referenced interior elevations.
    - .5 Delineate and note all built-in cabinetry or equipment.
    - .6 Identify room (F.I.S.H.) and door numbers with all doors having individual numbers.
  - .6 **Demolition Plans:** Indicate required demolition activities as follows:



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- .1 Provide separate demolition plan(s) and other drawings (elevations, sections, etc.) as necessary if the scope of work includes demolition which is too excessive to indicate drawings depicting new construction.
- .2 Indicate notes on the extent of the demolition: address dimensions at locations where partial walls are being removed or altered, existing room names and numbers, existing partitions, equipment, plumbing, HVAC or electrical elements.
- .3 Include notes dealing with protection of existing areas as a result of demolition.
- .4 Delineate any modifications to existing buildings involving structural elements within the structural documents rather than on the architectural.
- .7 Building elevations developed further than at Phase II and including delineation of building joints (including dimensionally located stucco control joints), material locations, elevation heights, and other building features.
- .8 Building and wall sections to establish vertical controls and construction types for the Project. Include clear graphics, and notes on construction assemblies and systems to be used, dimensions, heights. Provide associated detailing to delineate solutions for difficult connections. Specify details for any fire walls to be constructed.
- .9 Reflected ceiling plans indicating ceiling types, heights, light fixture types, mechanical diffuser locations, and sprinkler heads if area is sprinklered. Delineate and detail any dropped soffits or joint conditions between different materials. Ensure coordination with architectural, electrical, mechanical and plumbing disciplines and work of any applicable Sub-Consultants.
- .10 **Roof plans:**
  - .1 Indicating all roof penetrations, including drains, scuppers, mechanical exhaust fans, any other equipment on the roof, slopes of roof with elevations shown, type of roofing system to be used, expansion joints, typical parapet and flashing details.
  - .2 Dimensions to locate the items noted previously, and cross references shown.
- .11 Large scale building details as appropriate to this level of document development and as required to establish vertical controls for the Project. Include clear graphics, and notes on construction assemblies and systems to be used, dimensions, heights. Provide associated detailing to delineate solutions for difficult connections.
- .12 Interior elevations of all classroom designs including cross references of cabinetry details, dimensions and heights, notes indicating type of equipment (and whether equipment is in or out of contract), wall materials, finishes, and classroom equipment and accessories.
- .13 Details of casework as necessary to appropriately delineate custom or pre-manufactured casework. Provide appropriate schedules referencing manufacturer's numbers or catalogs, finishes, hardware and other construction characteristics.

**.14 Details of the following:**

- .1 Door jamb, head and sill conditions.
- .2 Wall and partition types.
- .3 Window head, sill and jamb conditions, and anchorage methods shown, in lieu of referencing to manufacturer's standards.
- .4 Interior signage to include classroom and building identification, emergency exiting and equipment signs, and any other items pertinent to the identification of the project. Coordinate with electrical discipline.
- .5 Interior or exterior expansion control connections.
- .6 Any other specialized items necessary to clearly express the intent of the project design.

.15 Room finish and door schedules coordinated with the floor plans, developed beyond Phase II.

.16 Structural foundation and framing plans, with associated diagrams, schedules, notes, detailing and section drawings completed sufficiently to communicate the design intent and coordination with other disciplines.

**.17 Mechanical Drawings:**

- .1 Provide double line duct work layout and HVAC equipment layout drawings with related diagrams and schematic diagrams, schedules, notes, detailing and section drawings completed sufficiently to communicate the design intent and coordination with other disciplines.
- .2 Provide plumbing equipment and fixture layout drawings with related diagrams, schedules, notes, detailing and section drawings completed sufficiently to communicate the design intent and coordination with other disciplines.
- .3 Provide 1/2 inch scale plans, elevations and sections of the mechanical rooms showing service clearance, room openings, nominal equipment size, ceiling height, duct clearance between bottom of joist and top of ceiling and any ceiling mounted lighting fixtures, electrical equipment or other building assembly or component, etc.

**.18 Electrical:** Provide drawings for the following systems:

- .1 Lighting including circuiting and luminaire identification and switching. Also provide illuminance computer printout for all indoor typical indoor spaces and parking lots.
- .2 Convenience outlets and circuiting, special outlets and circuiting, television outlets, and power systems and equipment. Provide riser diagrams for all electrical systems including master clock, intercom, fire alarm, ITV, computer networking/telephone. Also, provide for emergency and normal power distribution. Provide luminaire schedule.

- .3 Panel schedule may be in preliminary form but circuitry must be included.
  - .4 Applicable installation details.
  - .5 General legend and list of abbreviations.
  - .6 Voltage drop computation for all main feeders.
  - .7 Short circuit analysis
  - .8 Provide 1/2" scale floor plan and wall elevations for all electrical rooms.
  - .9 Indicate surge protector for main switchboard and electrical panels.
- .6 **Progress specifications:**
- .1 Provide preliminary Project Manual including front end documents. Completion of fill-in items in Bidding documents and other "Division 0" documents is not required.
  - .2 Provide a preliminary Division 1 based upon the standard documents provided by the Owner, reviewed by Construction Manager and edited by the Project Consultant after consultation with the Owner and Construction Manager to establish project specific requirements.
  - .3 Include progress set of all other Sections in Divisions 2-17 with each section developed to demonstrate to the Owner and Construction Manager an understanding of the project and an appropriate level of developmental progress comparable to that of the drawings.
  - .4 Specification sections shall be organized to follow the Construction Specification Institute's (CSI) current edition of MasterFormat with each section developed to include CSI's standard 3-part section and page formats with full paragraph numbering.
- .7 An updated Project Design Schedule, reflecting continued Project development and illustrating anticipated schedules for all subsequent project activities including Construction Manager's input permitting and submittal coordination with all agencies having jurisdiction on the Project. Format updated schedule as a Bar Chart (Gantt Chart) type schedule with milestones.
- .8 Colorboards illustrating color selections, finishes, textures and aesthetic qualities for all finish materials for final review by Owner and Construction Manager and approval by the Owner and to establish a final pallet of material selections for development of subsequent specifications, schedules and other requirements for incorporation into the Contract Documents.
- .9 A letter from the Project Consultant and each of the major technical disciplines and any necessary Sub-Consultants or explaining how each previous comment concerning the project has been addressed and/or corrected.

**2.4.3 100% Construction Documents Submittal:**

- .1 Upon receipt of written approval of the Phase III 50 % Construction Documents and a fully approved and executed ATP and Purchase order (See 5.2.3), the Project Consultant shall proceed with the rest of Phase III Construction Documents.
- .2 Upon 100% completion of the Construction Documents, the Project Consultant shall submit to the Owner and Construction Manager seven (7) copies of check sets of the Drawings, Specifications, reports, programs, a final up-dated Project Development Schedule, a final up-dated Statement of Probable Construction Cost and such other documents as reasonably required by Owner. The 100% construction documents shall conform to SREF requirements, all mandatory requirements cited by the Florida Department of Education (or the designated reviewer) and those listed below.
- .3 All documents for this phase shall be provided in both hard copy and in electronic media. The Owner and Construction Manager will review and the Owner will approve Phase III documents for submission to the Department of Education (or designated reviewing agency) for review and approval. The following Phase III contract documents shall be included with the Phase III submittal:
  - .1 "Project Transmittal Form" as required by the Facilities and Construction Management Division's Design Section.
  - .2 OEF form 208 "OEF Project Transmittal Form".
  - .3 OEF form 208 (a) "OEF Space Chart Form" formatted to follow the sequence of spaces listed in the SREF Size of Space and Occupant Design Criteria Table.
- .4 **General Requirements.**
  - .1 **Record Set.** This submittal is the official record set and shall be the bid documents.
  - .2 **Signed and Sealed/Statements of Compliance:** Only complete documents, properly signed and sealed by the Project Consultant and respective Sub-Consultants, will be accepted for review; in addition, these documents shall contain a statement of compliance by the architect or engineer of record that "To the best of my knowledge and belief these drawings and the project manual are complete, and comply with the State Requirements for Educational Facilities and all applicable and referenced building codes".
  - .3 When requested by the Owner, engineering calculations for mechanical, electrical, and structural systems shall be submitted separately from drawings and the project manual.
  - .6 **Drawings.** These documents shall be 100% construction drawings corresponding to the educational specifications and program requirements illustrating the general scope, scale, and relationship of project components. In addition to Phase III 50% requirements, SREF requirements, and information required by the Owner's document submittal checklist for phase III 100%, the documents shall include the following:
    - .1 Site plans including, but not limited to, area location map, legal description of property, demolition, excavation, utilities, finish grading, landscaping, mechanical, electrical, civil/structural, and architectural site plans.

- .2 Plans and details including, but not limited to:
  - .1 Title sheets including listing of Project Consultant, Program Manager, Construction Manager, School Board of Broward County, a table of contents and statement of compliance by the architect or engineer of record. Each discipline shall have a list of abbreviations, schedule of material indications, and schedule of notations and symbols at the beginning of their section of the plans.
  - .2 Architectural sheets including floor plans, door, window and finish schedules, roof plans, elevations, sections, and details.
  - .3 Civil/Structural sheets including paving; bus loops; parent drop; service drive; parking; drainage; foundation plans; floor plans; roof plans; structural plans; sections; details; and, pipe, culvert, beam and column schedules.
  - .4 Mechanical sheets including floor plans; sections; details; riser diagrams; kitchen exhaust hoods; and, equipment, fan, and fixture schedules.
  - .5 Electrical sheets including floor plans; sections; details; riser diagrams; and, fixture and panel schedules.
  - .6 The drawings should indicate that the approved mechanical/electrical systems, from the Phase II FEEC/LCCA analysis, have been incorporated into the documents.
  
- .6 **Project Manual.** The Project Consultant, in its leadership capacity, shall review and coordinate with the Construction Manager and Owner regarding the preparation of the following:
  - .1 The necessary bidding information, the bidding forms, the conditions of the contract and Division 1 with respect to the foregoing documents and regarding any other Agreements necessary for construction of the project. However, in no case will Project Consultant amend or delete items from these documents without prior review by Owner and Construction Manager and written approval from Owner.
  - .2 A project specific set of Division 1 specifications based upon master documents provided by the Owner, including all schedules, lists and inventories as required to complete the Owner's master documents including Construction Manager's Submittal schedules, warranty schedules, salvage schedules, preliminary construction schedule, etc.
  - .3 Final specification sections for Divisions 2 through 17 organized and formatted as required for the set of Phase III, 50% progress specifications.
  - .4 Approved alternate bid items, if required by Owner and Construction Manager and authorized by the Owner, to bring the project within the Fixed Limit of Construction Cost (FLCC) which would permit Owner in its sole discretion to accept or reject portions of the construction of the project. No additional compensation shall be provided for bid alternates if they are part of the original scope of work.

- .7 A threshold building inspection plan, prepared by the Project Consultant, and the name of a certified threshold building inspector, as set forth in Section 553.79(5), Florida Statutes (2004) as amended from time to time, shall be submitted to the Owner and the Department of Education (as applicable) for review and approval with Phase III documents. Threshold building inspection plan documents shall be submitted for:
  - .1 Any building greater than three (3) stories or fifty (50) feet in height, or
  - .2 Any building with an assembly space that exceeds five thousand (5000) square feet in area, and an occupant load of five hundred (500) or more persons.
- .8 An Updated Statement of Probable Construction Cost as indicated by time factor, changes in requirements, or general market conditions.
- .9 A letter from the Project Consultant and each of the major technical disciplines and any necessary Sub-Consultants explaining how each previous review comment (as generated by the Owner and/or other reviewing agencies) concerning the project has been addressed and/or corrected.
- .4 If the Latest Statement of Probable Construction Cost exceeds the Fixed Limit of Construction Cost for construction, the Project Consultant shall review the materials, equipment, component systems and types of construction included in the Contract Documents with the Owner and Construction Manager and may recommend changes in such items and/or reasonable adjustments in the scope of the Project (to be made at no additional cost to the Owner).
- .5 The Project Consultant shall make all required changes or additions and resolve all questions on the documents. The 100% complete Check Set shall be returned to the Owner. Upon final review by Owner and Construction Manager and approval by the Owner the Project Consultant shall furnish seven (7) copies, signed and sealed of all Drawings and Specifications to the Owner without additional charge.
- .6 The Project Consultant shall, with the Owner's and Construction Manager's assistance, file the required documents for approval by governmental authorities having jurisdiction over the Project (including Broward County and municipalities and their constituent departments, the South Florida Water Management District, and other state, local or federal agency with jurisdictional authority over some aspect of the Project) and obtain certifications of "permit approval" by reviewing authorities prior to the commencement of Phase IV and early enough to ensure that the Construction Manager and eventual contractors are not delayed by permit processing by Broward County, a municipality or other jurisdictional agency. The Project Consultant shall provide the original documents or reproducible copies as may be required for submittal to any and all governmental authorities. The Project Consultant shall attend and provide representation at all review meetings, workshops, hearings and Commission/Council meetings concerning the project as conducted by other jurisdictional agencies. Project Consultant shall assure the Owner that all mandatory requirements are complete prior to the Construction Manager's bidding and development of the GMP, included, but not limited to, those that may have a financial impact on the Project.
- .7 Staff from each of the Project Consultant's major technical disciplines and Sub-Consultants as necessary shall attend coordination, review and presentation meetings with the Owner and

Construction Manager to explain the development of the design concept and technical resolution of their respective building or site systems for both the Phase III, 50% and Phase III, 100% Submittals.

- .8 The Owner's and Construction Manager's review and approval of the drawings, specifications, calculations and other construction documents shall not relieve the Project Consultant of any responsibility for their accuracy, adequacy and completeness.
- 2.4.4 The Project Consultant shall make all changes to the documents as required by the Owner's and Construction Manager's review of the documents by issuing a written recommendation to the Owner, at no additional cost and resolve initially all questions of constructability, code compliance, coordination across disciplines, clarity of documents, compliance with Owner standards, or other issues raised by the Owner or Construction Manager during their reviews of the documents. The Owner and Construction Manager will retain the documents submitted at this phase.

## **2.5 Phase IV - Bidding and Award of Contract**

- 2.5.1 **Bid Documents Approvals and Printing:** At this stage the Construction Manager assumes the leadership responsibility for the project team. This, however, shall not relieve the Project Consultants responsibilities as they relate to this contract for this phase and subsequent phases. Upon obtaining a fully approved and executed ATP and Purchase order (See 5.2.3), and all necessary approvals of the Construction Documents, and review by Construction Manager and Owner, approval by the Owner of the latest Statement of Probable Construction Cost, the Project Consultant shall assist the Construction Manager in obtaining bids and awarding construction contracts. The Project Consultant will provide reproductions of the drawings and specifications for bidding purposes at no additional cost to the Owner.
- 2.5.2 The Construction Manager will issue the Bid Documents to prospective bidders and keep a complete "List of Bidders."
- 2.5.3 The Project Consultant shall render initial interpretations and clarifications of the drawings and specifications in a written format, supplemented by appropriate graphics. The Owner shall make all final determinations and/or interpretations as it relates to building code issues.
- 2.5.4 The Project Consultant shall attend a pre-bid conference as scheduled by Construction Manager and requested by the Owner and Construction Manager.
- 2.5.5 The Project Consultant shall prepare addenda, if any are required, for the Owner to issue to all prospective bidders. No addenda shall be issued without the Construction Manager's review and Owner's approval and if dimensional changes or extensive graphic changes are required the drawing sheets shall be revised and issued as addendum drawings as directed by Owner.
- 2.5.6 The Project Consultant shall be present at the opening of bids with the Owner's staff.
- 2.5.7 The Project Consultant shall participate with Owner in evaluating the bids and shall provide a written recommendation for bid award.
- 2.5.8 If the Guaranteed Maximum Price received from the Construction Manager (as that term is defined in the Agreement between Owner and Construction Manager) exceeds the Fixed Limit of Construction Cost the Owner will either:

- .1 Approve the increase of Project costs and approve GMP or,
  - .2 Direct the Project Consultant to revise the Project scope or quality, or both, as approved by the Owner, and the Construction Manager will rebid the Project, or
  - .3 Suspend or abandon the Project, or
  - .4 Bid out the project to another CM At Risk Construction Manager or General Contractor.
- 2.5.9 Under Article 2.5.6.2 above, the Project Consultant shall, without additional compensation, modify the Construction Documents as necessary to bring the project within the Fixed Limit of Construction Cost. The providing of such service shall be the limit of the Project Consultant's responsibility in this regard and having done so, the Project Consultant shall be compensated in accordance with this Agreement. The Owner and Construction Manager may recognize exceptional construction market cost fluctuations before exercising the option provided in Article 2.5.6.2 above. The Owner agrees to discuss this issue with the Project Consultant and Construction Manager prior to exercising this option.
- 2.5.10 If an estimate or cost analysis is required by the Owner for this phase, the Project Consultant shall utilize the previously established independent cost estimator, or a replacement acceptable to the Owner, to analyze bids and to assist in the preparation of any modified bidding documents or re-bid documents that may be required to ensure successful bidding within the Fixed Limit of Construction Cost.

**2.6 Phase V - Administration of the Construction Contract:**

- 2.6.1 The Construction Administration Phase will begin with the approval of the GMP and Construction Manager Agreement by the Owner and will end when the Construction Manager's final Payment Certificate is approved by the Owner and after the one (1) year warranty period has expired. During this period, the Project Consultant shall provide Administration of the Construction Contract as set forth in the construction contract documents (hereafter referred to and defined as the "Contract Documents") between the Owner and the Construction Manager, as basic services.
- 2.6.2 The Project Consultant, as a representative of the Owner during the Construction Phase, shall advise and consult with the Owner and Construction Manager within the limits established by this Agreement and the Contract Documents. The Project Consultant shall contemporaneously provide Owner and Construction Manager with copies of all communications between Project Consultant and Construction Manager and others concerning matters material to the cost, time, sequence, scope, performance or requirements of the project.
- 2.6.3 The Project Consultant and the Project Consultant's respective Sub-Consultants shall attend all key construction events as necessary to ascertain the progress of the Project and to determine in general if the Work is proceeding in accordance with the Contract Documents and the Project Schedule. A minimum of at least one site visit per week will be required by the Project Consultant. The Sub-Consultant will be required to visit the site at least once a week when their respective portion of the work is in progress.
- .1 The Project Consultant shall visit the site at least once per week to become familiar with the progress and quality of the Work and to determine if the Work is proceeding in accordance with the Contract Documents and Project Schedule. The Project Consultant shall coordinate the timing of these visits with the Owner's Representative and Construction Manager so as to permit joint observations of the



progress of the Work and discussions about project issues. On the basis of on-site observations as a Consultant, the Project Consultant shall keep Owner informed of the progress and quality of the Work. The Project Consultant shall promptly submit to Owner a detailed written report of the results of each visit to the site, and copies of all field reports and notes of meetings with Construction Manager, subcontractors of any tier or suppliers.

- .2 The Project Consultant shall, based upon its on-site visits, promptly report to Owner any defects and deficiencies in the Work coming to the attention of Project Consultant and shall endeavor to guard the Owner against defects and deficiencies in the Work. This obligation is not reduced or limited by the fact that others, such as the UBCI, are undertaking inspection for or on behalf of the Owner. The Project Consultant shall make on-site observations utilizing the same personnel over the course of the Work. The Project Consultant shall assist the Owner in determining the cost of additional inspections due to the Construction Manager's or any contractor's failure to perform. Any changes in personnel must be in writing and issued to the Owner.
  - .3 The Project Consultant shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work.
- 2.6.4 The Project Consultant shall at all times have access to the Work where ever it is in preparation or progress. The Project Consultant and the Sub-Consultants shall review and advise the Owner as to whether the Construction Manager is making timely, accurate, and complete notations on the "Project Record Documents" and maintaining various other administrative records as required by the Contract Documents. In addition, the Owner may at its discretion require the Project Consultant and all Sub-Consultants to submit additional written materials or forms to the Owner relating to or regarding the Project or its progress. Complete notations to the "as built" drawings shall include, but not be limited to all changes due to RFI's, ASI's, COD's, and CO's, in addition to the changes recorded by the Construction Manager, as noted above.
- 2.6.5 The Project Consultant shall initially interpret matters and provide recommendations concerning performance of Owner and Construction Manager under the requirements of the Contract Documents upon written request of Owner. The Project Consultant's response to such requests shall be made with reasonable promptness and within any time limits agreed upon. The Project Consultant shall render written advisory decisions, only upon the Owner's request, within a reasonable time, on all claims, disputes and other matters in question between Owner and Construction Manager relating to the execution or progress of the Work or the interpretation of the Contract Documents.
- 2.6.6 All initial interpretations and advisory decisions of the Project Consultant shall be consistent with the intent of, and reasonably inferable from, the Contract Documents and shall be in writing or in the form of drawings. In the capacity of interpreter the Project Consultant shall endeavor to secure faithful performance by both the Owner and Construction Manager, and shall not show partiality to either. The Owner shall be the final interpreter of any and all matters pertaining to the performance of the Project Consultant and Construction Manager.
- 2.6.7 The Project Consultant shall have authority to recommend rejection of Work which does not conform to the Contract Documents. The Project Consultant shall not have authority to stop the Work without approval of the Owner. Whenever, in the Project Consultant's reasonable opinion, it is necessary or advisable for the implementation of the intent of the Contract Documents, Project Consultant may recommend special inspection or testing of the Work in accordance with the provisions of the Contract Documents, whether or

not such Work is to be fabricated, installed or completed, but Project Consultant shall take such action only after consultation with Owner. The Project Consultant's monitoring of such additional special testing or inspections is a part of the Basic Services. Owner shall furnish all such tests, inspections and reports that are required by law or by the Contract Documents or that it has previously approved in writing, without waiving its right to reimbursement from Construction Manager. However, neither this authority of the Project Consultant nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty of responsibility of the Project Consultant to Construction Manager or other third parties performing portions of the Work.

- 2.6.8 The Project Consultant shall promptly review, and take other appropriate action upon Construction Manager's submittals such as shop drawings, product data and samples, but only for conformance with the design concept of the Contract Documents. Such action shall be taken within fourteen (14) days of receipt by Project Consultant unless Owner, Construction Manager and Project Consultant otherwise mutually agree. Project Consultant's review shall not constitute review or approval of safety precautions or of construction means, methods, techniques, sequences or procedures. Project Consultant shall maintain a log of all submittals made and shall compare the submittals with Construction Manager's progress schedule. The Consultant shall not approve changes to the contract or substitutions through the regular submittal process but will utilize those respective methods specified in the Contract Documents. The Project Consultant shall be compensated for reviewing re-submittals after the first re-submittal of a respective submittal as a reimbursable expense with the Owner reimbursed by the Construction Manager under provisions of the Contract Documents.
- 2.6.9 The Project Consultant shall coordinate with the Owner concerning the Owner's required review of Request for Proposals, Change Orders and Construction Change Directives. The Project Consultant shall:
- .1 Meet with the Owner prior to the preparation and execution of Request for Proposals, Contingency Use Directives and Change Order items to ensure that proposed changes comply with the intent of the Project's scope and construction schedule and whether the Construction Manager is entitled to additional sums or contract time for the proposed Work.
  - .2 Reconcile the Project Consultant's analysis of Request for Proposals, Contingency Use Directives and Change Order amounts with an analysis provided by Owner's chosen independent cost estimator and provide the Owner with a recommendation concerning the respective cost studies.
  - .3 Submit written and graphic information documenting proposed changes for formal review by the Owner.
  - .4 Review and indicate concurrence through signing Request for Proposals for Owner's authorization in accordance with the Contract Documents, shall have authority to order minor changes in the Work not involving an adjustment in the contract sum or an extension of the contract time and which are not inconsistent with the intent of the Contract Documents. Such minor changes shall be implemented through an Architect's Supplemental Instructions (ASI) issued through Owner. The Basic Services shall include providing recommendations concerning Request for Proposals, Contingency Use Directives and Change Orders, and the preparation, permitting and processing of Request for Proposals, Change Orders and Construction Change Directives. This Article shall not supersede Articles 2.9.1.14 or 2.9.1.16.
  - .5 Process, prepare and issue contract modification documents, Request for Proposals, Contingency Use Directives and Change Orders, in a timely manner and not allow the period required for evaluation,

preparation or to issue such documents to exceed fourteen (14) days. The Project Consultant shall provide written notification to the Owner and Construction Manager concerning those modification documents requiring more than fourteen (14) days processing time with an attached explanation of the circumstances requiring longer processing time.

- .6 All final decisions with respect to substitutions, Request for Proposals, Change Orders, and other contract modifications shall be at the sole determination of the Owner.
- 2.6.10 The Project Consultant shall conduct thorough site observations, make recommendations and otherwise assist Owner in determining the dates of Substantial Completion and Final Completion, shall review, approve and forward to Owner for Owner's review, written warranties and related documents required by the Contract Documents and assembled by Construction Manager, and shall certify a final certificate for payment. At substantial completion, the Project Consultant shall prepare a punch list of observed items requiring correction, completion or replacement by Construction Manager. The Project Consultant shall administer the Construction Manager's submittal of various closeout submittals including warranty documents, operations and maintenance materials, extra materials, and other closeout submittals as required by the Contract Documents. The Project Consultant and the Sub-Consultants shall verify and confirm the Construction Manager's successful demonstration of equipment and systems and the training of the Owner's personnel as required by the Contract Documents. Project Consultant shall inspect the Project upon final completion to determine compliance with the Contract Documents and, upon so determining, prepare and execute the required forms and other documents indicating that the Work is completed in compliance with the Contract Documents.
- 2.6.11 The Project Consultant shall within sixty (60) days of final acceptance provide the Owner with prints and electronic media copies of the original drawings, which the Project Consultant has revised to conditions based on information furnished by the Construction Manager as Project Record Documents. These prints and electronic media copies shall become the property of the Owner. Submittal of these documents to the Owner is a condition of final payment of construction support fees to the Project Consultant.
- 2.6.12 The Project Consultant shall assist Owner in determining amounts owing to Construction Manager based on observation at the site and an evaluation of Construction Manager's applications for payment and shall certify Certificates for Payment of such amounts as provided in the contract documents and in such forms as the Owner may request. The certification of the Certificate for Payment shall constitute the representation by Project Consultant to Owner based on Project Consultant's observation at the site and the data comprising Construction Manager's applications for payment, that the work has progressed to the point indicated; the quality of the work is in substantial accordance with the contract documents (subject to an evaluation of the work for substantial conformance with the contract documents upon substantial completion, to the results of any subsequent test by or performed under the contract documents, to minor deviations from the contract documents cited prior to completion, and to any specific qualification stated in the Certificate for Payment); and that the Construction Manager is entitled to the amount certified. However, the certification of the Certificate of Payment shall not be a representation that Project Consultant has made any examination, other than information which has come to Project Consultant's attention, to ascertain how and for what purpose Construction Manager has used the monies paid by the Owner.

## **2.7 Phase VI - Warranty Administration:**

- 2.7.1 Upon receiving a fully approved and executed ATP and Purchase order (See 5.2.3), and for one year following substantial completion of the construction project, the Project Consultant shall assist Owner,

without additional compensation, in securing correction of defects, and shall in the sixth and eleventh months make inspections of the project with the Owner and Construction Manager and report observed discrepancies to Owner.

**2.8 Other Basic Services:**

2.8.1 The Project Consultant shall render to Owner without additional compensation, any proper and reasonable assistance which Owner may require as a result of any claim or any action brought relating to Project Consultant's services. Preparation of detailed analysis or documentation (if requested by Owner) shall be a supplemental service under Article 2.9.1.21 with a fully approved and executed ATP and Purchase order (See 5.2.3).

**2.9 Supplemental Services**

2.9.1 The services listed below are normally considered to be beyond the scope of Basic Services as defined in this Agreement, and if authorized in advance by having received a fully approved and executed ATP and Purchase order (See 5.2.3), will be compensated for as provided under Articles 5.7 and 6.2:

- .1 Providing special analyses of the Owner's needs, and special detailed programming requirements for a project.
- .2 Providing financial feasibility, or other special studies.
- .3 Providing planning surveys, site evaluations, or comparative studies of prospective sites.
- .4 Providing services relative to future facilities, systems and equipment which are not intended to be constructed as during the construction phase.
- .5 Providing services to make measured drawings of the existing site or facilities.
- .6 Providing the services of a cost estimating firm beyond the services required during Phases I-III to verify cost of the work as designed. The choice of the firm, qualifications of the firm and the terms of employment of the firm shall be approved in writing in advance by the Owner.
- .7 Providing interior design services required for or in connection with the selection of furniture or furnishings, except equipment included in the Construction Contract and identified in the educational specifications.
- .8 Providing investigations and making detailed appraisals and valuations of existing facilities, and surveys or inventories required in connection with construction performed by the Owner.
- .9 Providing the services of one or more full-time Construction Inspector during construction; including the services of a Special Threshold Inspector.
- .10 Providing extended assistance beyond that provided under Basic Services for the initial start-up, testing, adjusting and balancing of any equipment or system; extended training of Owner's personnel in operation and maintenance of equipment and systems, and consultation during such training; and

preparation of operating and maintenance manuals, other than those provided by the Construction Manager, subcontractor, or equipment manufacturer.

- .11 Providing consultation concerning replacement of any Work damaged or built inconsistent with the Contract Drawings, providing the cause is found by the Owner to be other than by fault of the Project Consultant.
- .12 Providing consultation concerning replacement of any Work damaged by fire or other cause during construction, and furnishing services as may be required in connection with the replacement of such Work.
- .13 Preparing revisions of Schematic Design, Design Development, and Construction Document Phase Documents previously approved in writing by Owner, when so directed in writing by Owner, provided, however, that no compensation for Supplemental Services shall be paid for revisions which may be required when due to errors or omissions by the Consultant or when due to the fact that the lowest Bona Fide construction bid exceeds the "fixed limit of construction cost".
- .14 Providing services made necessary by the default of the Construction Manager, or any major unanticipated defects or deficiencies in the Work of the Construction Manager or any Construction Manager not attributable in any way to an Error and/or Omission of the Project Consultant.
- .15 Preparing change orders and related documents provided the changes are significant changes (whether increases or decreases) in the scope of the project and are requested by the Owner and not for any changes due to any other reasons such as error or omission of the Project Consultant.
- .16 Providing revisions in drawings, specifications or other documents required by the enactment or revision of codes, laws or regulations subsequent to the preparation of such documents.
- .17 Preparing to serve or serving as an expert witness in connection with any public hearing, arbitration proceeding or legal proceeding.
- .18 Providing services after certification to the Owner of that Final Certificate for payment, and said payment has been made to the Construction Manager except those services that are a result of errors, omissions or conflicts in documents prepared by the Project Consultant or are warranty related services.
- .19 Review of extensive claims by the Construction Manager or others relating to the Project. However, there shall be no additional charges to Owner from Project Consultant in the event the claims are not extensive or in the event the claims are determined by the Owner to be based upon the failure of the Project Consultant or Sub-Consultant to properly perform its services or to comply with the provisions of this Agreement.

**ARTICLE 3 SUB-CONSULTANTS**

**3.1 Sub-Consultants' Relations**

- 3.1.1 All services provided by the Sub-Consultant shall be pursuant to appropriate Agreements between the Project Consultant and the Sub-Consultants which shall contain provisions that preserve and protect the rights of the Owner and the Project Consultant under this Agreement. All such Agreements shall provide that the Project Consultant may assign or transfer to Owner any and all claims or causes of action which the Project Consultant has or may have against a Sub-Consultant as a result of or relating to any acts of omission or commission of that Sub-Consultant.
- 3.1.2 Nothing contained in this Agreement shall create any contractual relationship between the Owner and the Sub-Consultants. However the Project Consultant is at all times liable for any and all negligent acts of omission or commission of its Sub-Consultants relating to or regarding this Agreement or the Project which is the subject of this Agreement. The Owner may, at any time, require the Project Consultant to assign or transfer to the Owner any claims or causes of action which Project Consultant has or may have against one or more of its Sub-Consultants as it relates to these contract obligations regarding or relating to this Project. Upon such request, the Project Consultant shall execute a written assignment or transfer in a form to be provided by the Owner. In the event the Owner requires the Project Consultant to assign or transfer said claims or causes of action then the Owner agrees to indemnify and hold the Project Consultant harmless from any claim or cause of action brought by a Sub-Consultant against the Project Consultant directly related to the claim of cause of action brought by the Owner against a Sub-Consultant as a result of such assignment.

**3.2 Proposed Sub-Consultants**

- 3.2.1 The Project Consultant proposes to utilize the following Sub-Consultants:  
Per Attachment 5 (Project Team Members)
- 3.2.2 The Project Consultant shall not change any Sub-Consultant without written prior approval by the Owner.
- 3.2.3 The Project Consultant, not later than ten (10) calendar days after the date of this Agreement, shall submit a list of contact information for Sub-Consultants which includes contact names, firm addresses, phone and fax numbers and internet (or other internet e-mail service provider) e-mail addresses.

**ARTICLE 4 THE OWNER'S RESPONSIBILITIES**

**4.1 Information, Documents, And Services**

- 4.1.1 Owner shall consult with Project Consultant and provide such information regarding requirements for the project, including a Project Scope, Budget and Schedule which shall set forth Owner's contemplated design objectives, constraints and criteria, including educational specifications, facilities lists, space requirements and relationships, flexibility and expandability, special equipment and site requirements as are reasonably necessary for Project Consultant to perform its services.
- 4.1.2 The Owner shall furnish a legal description and a certified land survey of the site. When possible, the Owner shall supply the certified land survey in hardcopy and electronic media formats. The certified land survey shall provide boundary dimensions, locations of existing structures and/or trees, the grade and line of street,

pavement and adjoining properties, the rights, restrictions, easements, boundaries, topographic data and information relative to sewer, water, gas and electrical services.

- 4.1.3 Owner shall furnish the services of soil engineers or other consultants if such services are necessary and requested in writing by Project Consultant. Such services may include test borings, test pits, soil bearing values, percolation tests, air and water pollution tests, ground corrosion and resistivity tests, including necessary operations for determining subsoil, air and water conditions, tests for hazardous materials, chemical, mechanical, structural or other tests with reports and appropriate professional recommendations.
- 4.1.4 Owner shall furnish a Project Schedule for the project showing all activities and critical dates necessary to complete the project within the allotted time.
- 4.1.5 Owner shall furnish a Construction Budget which is the portion of the Project Budget allocated for the construction cost of a project and will be based upon the Fixed Limit of Construction Cost with an appropriate contingency factor. This contingency factor includes but is not limited to the demolition, destructive testing and repairs, directed by the Project Consultant, to adequately investigate and document the existing conditions of the facility.
- 4.1.6 **As-Built Documentation:** When available, drawings and other available documents which were purported to represent "as-built" conditions at the time of original construction will be furnished to the Project Consultant; however, they are not warranted to represent conditions as of this date. The Project Consultant shall perform non-destructive field investigations as necessary to obtain sufficient information to perform his services and as required by field conditions, or the Owner to verify wall assemblies, construction types or other basic information as required to develop the design and documentation necessary for the project. The demolition and repairs associated with the destructive testing shall be compensated as a reimbursable expense. The Owner encourages the use of destructive testing techniques (with prior approval) to retrieve information that can be utilized by the Project Consultant to clearly indicate the disposition of the existing facility and incorporate this information into the Contract Documents.
- 4.1.7 **District Standards and Submittal Checklist**
  - .1 **Design And Material Standards:** The Owner will furnish an electronic copy of Design and Material standards for the Project Consultant's use in developing designs and documentation for the project. These documents are technical specifications and the intent of these documents is to convey basic Owner preferences to the Project Consultant. The Project Consultant shall review the content of the Design and Material Standards provided by the Owner and may consult with the Owner concerning discrepancies, errors or suggestions for the improvement of the provided documents. The Project Consultant remains responsible for the technical content and accuracy of documents produced under the terms of this Agreement.
  - .2 **Design Criteria:** The Owner will furnish an electronic copy of the Design Criteria for the Project Consultant's use in developing designs for the project. These criteria are guidelines, which address owner related issues; including but not limited to, ease of maintenance, life cycle costing, and functionality of the facility.
  - .3 **Document Submittal Checklist:** The checklist is a guideline indicating minimum requirements for the submittal of contract documents for each phase of the design process. The completed checklist form will be required with each submission for all applicable disciplines.

- 4.1.8 **Standard Construction Bidding And Contract Documents:** The Owner shall furnish the Project Consultant with sample bidding and contract requirements and general requirements containing the basic provisions and requirements of Owner. These documents are comprised of the Bidding Requirements, Contracting and Construction Manager Requirements, and Division 1 Specification Sections that will be utilized by the Project Consultant to develop the construction contract documents required under the terms of this Agreement. The Project Consultant acknowledges that these Owner Standard Documents will be made available by the Owner and shall be reviewed and analyzed by the Project Consultant and that these documents shall serve as the basis for the Project Consultant's development of bidding documents for the Owner and Construction Manager.
- 4.1.9 Construction Manager shall arrange and pay for the required advertisements for bid.
- 4.1.10 Construction Manager, assisted by Project Consultant and Owner, shall issue the bid documents to bidders, maintain the planholders list, and issue addenda.
- 4.1.11 Owner shall be responsible for issuance of formal notices to proceed (if any) to the Construction Manager.

**4.2 Owner Furnished Items**

- 4.2.1 The services, information, surveys and reports specified by Article 4.1 shall be furnished at the Owner's expense, and the Project Consultant shall be entitled to rely upon the accuracy and completeness thereof. However, if the Project Consultant reviews all of the information provided by the Owner (such as surveys, soil borings and "as-built" documentation) and determines additional information and/or testing is required to properly design the project, the Project Consultant shall request same from the Owner.
- 4.2.2 When documents, services, or other materials furnished by the Owner for the Project Consultant's use are deemed by the Project Consultant as inappropriate, inaccurate, or otherwise unreasonable, the Project Consultant shall notify the Owner immediately upon discovery of same. Failure of the Project Consultant to so notify the Owner shall result in the Project Consultant's being responsible for any costs, expenses, or damages incurred by the Owner and forfeiture of claims for damages, delays or other compensation related to the use of those Owner furnished materials.
- 4.2.3 The Owner shall furnish the above information or authorize the Project Consultant to provide it, as a supplemental service (except where otherwise stipulated), as expeditiously as possible for the orderly progress and development of the Project.

**ARTICLE 5 BASIS OF COMPENSATION**

**5.1 Professional Service Fees:**

5.1.1 The Owner agrees to pay the Project Consultant, and the Project Consultant agrees to accept for services rendered pursuant to this Agreement a fixed fee (as computed by the Fixed Fee method below) of:  
\_\_\_\_\_ Dollars. (\$ \_\_\_\_\_ .00)

<i>Reuse Fee</i>		
<i>(Fee Written Out)</i>	(\$	)
<i>Site Adaptation Fee</i>		
<i>(Fee Written Out)</i>	(\$	)
<i>(Other – Description) Fee</i>		



*(Fee Written Out)*

Attachment C  
(\$ )

**5.2 Fixed Fee:**

- 5.2.1 The Fixed Fee listed above is based on the scope of services for a project of this scope, size, complexity and Fixed Limit of Construction Cost (FLCC) of Construction of the project.
- 5.2.2 If the Owner authorizes a significant increase or decrease in the scope of the project, the Fixed Fee may be adjusted as mutually agreed upon. Changes in the FLCC, or, a Construction Contract awarded by the Owner in excess of the FLCC, shall not entitle the Project Consultant to additional Basic Services Fees, and, a Construction Contract awarded by the Owner that is less than the FLCC shall not entitle the Owner to a decrease in Basic Services Fees.
- 5.2.3 The Project Consultant shall not perform Professional Services, Supplemental Services, or Reimbursable Services until a written Purchase Order with the appropriate "line number" has been issued by the Supply Management and Logistics Department together with a fully executed Authorization to Proceed. **OWNER SHALL HAVE NO OBLIGATION TO COMPENSATE PROJECT CONSULTANT FOR ANY WORK PERFORMED BY THE PROJECT CONSULTANT PRIOR TO RECEIPT OF A FULLY EXECUTED WRITTEN AUTHORIZATION TO PROCEED AND PURCHASE ORDER.**

**5.3 Not Used**

**5.4 Fee for Additive Alternates:**

- 5.4.1 The design of alternates within the Owner's total allocated funds for construction will be a Basic Service.
- 5.4.2 The design of additive alternates, not included in the original project scope, in excess of Fixed Limit of Construction Cost of Construction must be authorized by the Chief Facilities and Construction Officer, and will be considered supplemental services, subject to negotiation.
- 5.4.3 Fees for the design of additive alternates, not included in the original project scope, will be negotiated and issued by a fully approved and executed ATP and Purchase order (See 5.2.3), . The Owner will pay one hundred (100%) percent of the negotiated fee for alternates accepted and only pay for the design portions of the (Phases I through III) for alternates rejected.

**5.5 Raw Labor Rate:**

5.5.1

- 5.5.1 Raw Labor is defined as the raw salary rate, as determined from salaries reported to the Director of Internal Revenue, of the personnel engaged directly on a project.

**5.6 Fees for Reimbursables**

- 5.6.1 Reimbursables are those items pre-approved in writing by a fully approved and executed ATP and Purchase order (See 5.2.3), and authorized by the Owner in addition to the Basic and Supplemental Services and consist of actual expenditures made by the Project Consultant and the Project Consultants' employees and Sub-Consultants in the interest of the Work.
- 5.6.2 Authorized travel outside the Dade, Broward and Palm Beach County area, lodging and meals in connection with a project (subject to the limitations imposed by Chapter 112.061, Florida Statutes); fees paid for securing approval of authorities having jurisdiction over the Work; reproductions (outside of Basic Services and with prior written Owner approval in the form of a fully approved and executed ATP and Purchase order (See 5.2.3); postage and handling of Drawings, Specifications and other documents, excluding reproductions for the office use of the Project Consultant and check sets required by the Owner; data processing and photographic production techniques when used in connection with Supplemental Services.
- 5.6.3 The Owner will reimburse the Project Consultant for authorized Reimbursables as verified by appropriate bills, invoices or statements.
- 5.6.4 Any authorized reimbursable shall not include charges for office rent or overhead expenses of any kind, including but not limited to local telephone, cell phone and utility charges, overtime or any discretionary labor benefits, office and drafting supplies, depreciation of equipment, professional dues, subscriptions, etc., reproduction of drawings and specifications, mailing, stenographic, clerical, or other employees time or travel and subsistence not directly related to a project. Authorized reproductions in excess of sets required at each phase of the work will be a Reimbursable.

**5.7 Fees for Supplemental Services**

- 5.7.1 The Consultant may be authorized by its receipt of a fully approved and executed ATP and Purchase order (See 5.2.3), to perform Supplemental Services described under Article 2.9 and negotiated in accordance with Article 2.8.2. The fee for such services will be Time Spent plus reimbursable expenses with a Guaranteed Maximum Price based on Raw Salary Rates times a fixed multiplier. The fixed multiplier shall cover mandatory personnel expenses, overhead and profit and shall be set at \_\_\_\_\_ times Raw Salary Rates and shall be included in the Guaranteed Maximum. Where a mutually agreeable Guaranteed Maximum cannot be arrived at, the Owner may secure services from an independent source or from the Owner's resources. The Consultant shall provide any information and/or copies of project documentation necessary to facilitate the provision of said supplemental services by others.

**ARTICLE 6 PAYMENTS TO THE PROJECT CONSULTANT**

**6.1 Payment for Basic Services**

- 6.1.1 Payments for Basic Services may be requested monthly in proportion to services performed during each Phase of the Work and provision of all required insurance policies is a condition precedent to becoming due any such payments to the Project Consultant. Said payments shall, in the aggregate, not exceed the percentage of the estimated total Basic Compensation, or 90% for Phases I, II, or II prior to approval of the submitted design documents, indicated below for each Phase:
  - .1 Fifteen (15%) percent of the total fee upon completion and approval of Phase I.
  - .2 Fifteen (15%) percent of the total fee upon completion and approval of Phase II.

- .3 Twenty (20%) percent of the total fee upon submittal and approval of 50% of Phase III.
  - .4 Fifteen (15%) percent of the total fee upon completion and approval of Phase III.
  - .5 Five (5%) percent of the total fee upon 100% completion of Phase IV.
  - .6 Twenty-eight (28%) percent of the total fee upon completion of Phase V
  - .7 Two (2%) percent of the total fee upon completion of Phase VI (Warranty) and approval of all Work and audit of account, as per Article 5.
- 6.1.2 Partial payments may be made in Phase V (but not in excess of ninety (90%) percent of the aggregate of Phase V) in monthly increments which are proportioned to match the Work's percentage complete reflected by the Construction Manager's monthly Applications for Payment. If the Owner's required Substantial Completion date for Phase V is extended through no fault of the Project Consultant, the Project Consultant shall be reasonably compensated for any required professional services and/or expenses not otherwise compensated for in connection with such time extension(s), in accordance with Article 6.2. If the Owner's required Substantial Completion date for Phase V is extended due to an action or inaction of the Project Consultant to the detriment of the Owner and/or Construction Manager, no additional payments or time shall be due to Project Consultant. The Project Consultant shall include with its billing, in either electronic or hard copy format, the following supporting information, and any additional supporting information required by the Owner: time sheets for any fees based upon Raw Salary Rates, subcontractors invoices, invoices for reimbursable expenses and time sheets, subcontractor invoices for reimbursables made necessary by the performance of Work. The invoice shall be totaled and care shall be taken to assure previously paid charges are not duplicated.
- 6.1.3 If the project reaches Final Completion (as defined by the Construction Contract Documents) prior to the expiration of the Anticipated Construction Time, then full payment shall be made at that time provided the Project Consultant has completed all obligations for submittals and other services (including Project Record Documents) as required by this Agreement.
- 6.1.4 No payments shall be due to Project Consultant unless and until all materials, forms and documents required by this Agreement have been provided by Project Consultant and its Sub-Consultant to Owner, Construction Manager, or others whom are to receive same. The Owner retains the right to withhold payment from the Project Consultant for non-performance of the Project Consultant during any phase of the Project.
- 6.1.5 The Project Consultant shall submit invoices in the Owner's required invoice format as provided.
- 6.1.6 All Submitted invoices shall have copies of referenced ATP's attached.
- 6.1.7 During project Phases I through III, the Project Consultant shall submit an updated Project Schedule reflecting the Project Consultant's scheduled and actual progress with each submitted invoice. As an attachment to the Project Schedule, the Project Consultant shall provide a progress report giving percentage of completion of the Project development.
- 6.1.8 Project Consultant shall submit a monthly MWBE Sub-Consultant Utilization Report with the monthly request for payment, on forms provided by the Owner.

6.1.9 Payments are due and payable thirty (30) days from receipt of the Project Consultant's invoice provided it is in accord with the requirements of this Agreement.

**6.2 Payment for Supplemental Services / Reimbursables**

6.2.1 Payment for Supplemental Services and/or Reimbursables may be requested monthly (on the Owner's standard invoice format) in proportion to the services performed. When such services are authorized, the Project Consultant shall submit for approval by the Chief Facilities and Construction Officer, a duly certified invoice, attaching to the invoice all supporting data for payments made to Sub-Consultants engaged on the project or task.

6.2.2 Payments are due and payable thirty (30) days from receipt of the Project Consultant's invoice.

**6.3 Project Suspension**

6.3.1 If the project is suspended for the convenience of the Owner for more than three months or terminated in whole or in part, during any Phase, the Project Consultant shall be paid for services authorized by an Authorization To Proceed which were performed prior to such suspension or termination, together with the cost of Reimbursable Services and expenses then due.

6.3.2 If the Project is resumed after having been suspended for more than three months, the Project Consultant's further compensation shall be adjusted by the addition of Project Resumption Expenses. Project Resumption Expenses are in addition to compensation for Basic and Supplemental Services, and are full compensation for all damages and expenses which are directly or indirectly attributable to resumption of the Project Consultant's services after a Project Suspension. Project Resumption Expenses are applicable only to a Project Suspension by the Owner and shall be computed as a percentage of the total compensation for Basic Services and Supplemental Services earned to the time of termination, as follows:

- .1 Two (2%) percent of the total compensation for Basic and Supplemental Services earned to the date of Project Suspension for the respective schematic or design development Phase only, if Project Suspension occurs before or during the design development design phase; or
- .2 Five (5%) percent of the total compensation for Basic and Supplemental Services earned to the date of Project Suspension for the construction documents phase only, if Project Suspension occurs during the construction documents phase development phase; or
- .3 Five (5%) percent of the total compensation for Basic and Supplemental Services scheduled for the construction contract administration phase only, if Project Suspension occurs during the construction support phase.

**ARTICLE 7 REUSE OF DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS**

**7.1 Scope of Services**

7.1.1 It is understood that all Professional Service Agreements for design and other services include the provision for the Owner's optional re-use of drawings, specifications and other documents (including Phase V of Basic Services described in Article 2); and that the Project Consultant agrees to such re-use in accordance with this provision.

7.1.2 If the Owner elects to re-use the drawings, specifications and other documents, in whole or in part, prepared for the project for other projects on other sites, the Project Consultant will be paid a re-use fee, for Basic Services described in Article 2 for Phases I through VI, in the amounts of:

- .1 Twenty (20%) percent of the original fee for Basic Services for Phases I through III.
- .2 Thirty-eight (38%) percent of the original fee for Basic Services for Phases IV, V and VI.

Alternatively, the Owner agrees to pay the Project Consultant, and the Project Consultant agrees to accept, flat reuse fee of:

***(Fee Written Out)*** \$XX,XXX for the reuse of <project> <Project number> <facility>:

This flat reuse fee will only apply if an actual dollar amount is listed above.

7.1.3 For each re-use the Project Consultant shall review the final as-built design of any prior reuse or reuses and shall include all Basic Services rendered under the reuse(s) and incorporate all modifications to the drawings, specifications and other documents resulting from Change-Orders, Errors and Omissions, Code revisions and Code corrections made during the prior reuse(s), and, modifications normally required to suit the new site. (This does not include preparation of reverse plans, changes to the program, subsequent code revisions or exceptional site conditions). The stipulations and conditions of this Agreement shall remain in force for each re-use project, unless otherwise agreed. Reuse fees do not include preparation of documents for offsite improvements.

7.1.4 If a reuse project commences in excess of three years from the acceptance of the design development documents by the Owner then Owner shall negotiate the fees to be paid to Project Consultant.

## **ARTICLE 8 INDEMNIFICATION**

### **8.1 Indemnification**

8.1.1 To the fullest extent permitted by law, the Project Consultant shall indemnify, defend and hold harmless the Owner, its members, officers, employees and agents (hereinafter collectively “Related Parties”) from and against any and all liability, claims, causes of action (by whomever brought or alleged and regardless of the legal theories upon which the liability, claims or causes of action are based), losses, damage, costs, expenses and fees (including but not limited to reasonable fees of attorneys, expert witnesses and other consultants), which are or may be imposed upon, incurred by or asserted against Owner and/or the Related Parties to the extent said liability, claims, causes of action, losses, damages, costs, expenses and/or fees are caused by any errors, omissions or negligent acts of the Project Consultant, any sub-consultant or sub-sub-consultant, any supplier and any individual or entity directly or indirectly employed by any of them.

8.1.2 In any and all claims against the Owner by any employee of the Project Consultant, or anyone for whose acts the Project Consultant may be liable, the obligations for Project Consultant to indemnify Owner under this contract shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Project Consultant under workman’s compensation acts, disability acts, or other

employee benefit acts.

- 8.1.3 In the event that any claims are brought or actions filed against the Owner with respect to the indemnity contained herein, the Project Consultant agrees to defend against any such claims or actions regardless of whether such claims or actions are rightfully or wrongfully brought or filed. The Project Consultant agrees that the Owner may select the attorneys to appear and defend such claims or actions on behalf of the Owner. The Project Consultant further agrees to pay, at the sole expense of the Project Consultant, the attorney's fees and cost incurred by those attorneys selected by the Owner to appear and defend such claims or actions on behalf of the Owner. However, if the claims or actions are covered by insurance and such coverage is acknowledged by the insurance company in writing to the Owner, then, in that case, the insurance company shall choose counsel, direct the defense and be the judge of the acceptability of any compromise or settlement of any such claims or actions against the Owner which are within the insurance policy limits and are paid by the insurance company solely. Otherwise, if the claims or actions are not covered by insurance, then, at its sole option the Owner shall have the sole authority for the direction of the defense, and shall be the sole judge of the acceptability of any compromise or settlement of any claims or actions asserted against the Owner.
- 8.1.4 The Project Consultant recognizes the nature of the indemnification obligations imposed under this contract and voluntarily makes these covenants. The obligation imposed upon the Project Consultant under this Indemnification Agreement shall survive termination of this contract.

## **ARTICLE 9 INSURANCE**

### **9.1 General Insurance Requirements**

- 9.1.1 The Project Consultant shall not start work under this Agreement until the Project Consultant has obtained all insurance required hereunder and such insurance has been approved by the Owner.
- 9.1.2 All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. All insurance companies providing policies required under this Agreement shall have at least an "A-" rating and a financial rating of no less than VI in the current A. M. Best Manual or hold a Moody's Investors Service Financial Strength of "Aa3" or better.
- 9.1.3 Insurance policies required under this Agreement shall be endorsed to be primary of all other valid and collectible coverages maintained by The School Board of Broward County, Florida.
- 9.1.4 The Project Consultant shall furnish certificates of insurance to the Owner for review and approval at the time of execution of this Contract and shall maintain same at all times during the term of this Agreement.
- 9.1.5 All Certificates of Insurance shall be in the form as approved by Insurance Standards Office (ISO), unless approved by Owner and shall clearly indicate that the Project Consultant has obtained insurance of the type, amount and classification required by these provisions, in excess of any pending claims at the time of contract award to the Project Consultant. No material change or cancellation of the insurance shall be effective without a thirty (30) day prior written notice to and approval by the Owner. All Certificates shall list the Owner's project number and full project title (including applicable facility name).
- 9.1.6 Certificates of Insurance must clearly list any and all deductibles by coverages.

### **9.2 Insurance Required:**

- 9.2.1 Automobile Liability Insurance: The Project Consultant shall maintain Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with this Agreement in amounts not less than One Million (\$1,000,000) Dollars per occurrence for bodily injury and property damage combined single limit and shall not be less than the standard ISO Business Auto Policy CA 00 01.
- 9.2.2 Professional Liability (Errors and Omissions): The Project Consultant shall procure Professional Liability Insurance in the manner described herein. The deductible shall not be more than Fifty Thousand (\$50,000) Dollars for each policy and must be indicated on the certificate of insurance. The insurance policy shall be non-cancelable and the limits of the Professional Liability Insurance Policy shall be as follows:
- 9.2.2.1 Not used.
- 9.2.2.2. Projects require a practice policy with a per claim/annual aggregate in accordance with the specifications delineated below relative to the cumulative construction value of all projects:
- .1 One Million (\$1,000,000) Dollars on a per claim/One Million (\$1,000,000) Dollars annual aggregate basis for Project Consultants whose cumulative construction value for all Board contracts is less than Five Million (\$5,000,000) Dollars.
  - .2 One Million (\$1,000,000) Dollars on a per claim/Three Million (\$3,000,000) Dollars annual aggregate basis for Project Consultants whose cumulative construction value for all Board contracts is between Five Million One (\$5,000,001) Dollars to Ten Million (\$10,000,000) Dollars.
  - .3 One Million (\$1,000,000) Dollars on a per claim/Five Million (\$5,000,000) Dollars annual aggregate basis for Project Consultants whose cumulative construction value for all Board contracts is greater than Ten Million One (\$10,000,001) Dollars.

The Project Consultant shall be required to maintain the practice policy in accordance with the above specifications for a period commencing with execution of this contract and terminating three years after final completion of said projects. Should additional projects or change orders be added that increase the cumulative construction value to another tier shown above, the Project Consultant will be required to show proof of coverage at the higher limit / aggregate. In addition, the project consultant shall provide information regarding the total claims against said practice policy on an annual basis for the term of the contract upon and terminating three years after final completion of the project (Claims/Loss history should be forwarded to the Risk Management Department), as The School Board of Broward County, Florida, deems appropriate.

The Professional Liability insurance must provide for all sums which the Project Consultant shall be legally obligated to pay as damages for claims arising out of or relating to the negligent services performed by the Project Consultant or any person employed or acting on the Project Consultant's behalf (including, but not limited to, Sub-Consultants) in connection with this Agreement. If the Owner, at its sole discretion, agrees that such coverage is not commercially reasonably available, the Owner may, at its discretion, authorize the Project Consultant to alter the coverage by substituting a lower aggregate or changing any other terms and conditions of the coverage (including but not limited to deductible amounts) based upon the scope of the project.

- 9.2.3 **Workers' Compensation Insurance:** The Project Consultant shall maintain Workers' Compensation Insurance in compliance with Florida Statutes, Chapter 440 and Employer's Liability Limit of not less than Five Hundred Thousand (\$500,000) Dollars per Occurrence.
- 9.2.4 **General Liability Insurance:** The Project Consultant shall maintain General Liability Insurance, including Contractual Liability to cover the "Hold Harmless Agreement" set forth herein, with bodily injury limits of not less than One Million (\$1,000,000) Dollars per occurrence combined single limit for bodily injury and property damage and not less than the Two Million (\$2,000,000) General Aggregate such coverage shall apply separately to each project. The School Board of Broward County, Florida, its members, officers, employees, and agents shall be named as an additional insured under the General Liability policy.

## **ARTICLE 10 GENERAL PROVISIONS**

### **10.1 Performance**

- 10.1.1 **Performance and Delegation:** The services to be performed hereunder shall be performed by the Project Consultant's and Sub-Consultant's own staff, unless otherwise approved by the Owner in writing. Said approval shall not be construed as constituting an Agreement between the Owner and said other person or firm.
- 10.1.2 **Term of Agreement:** The term of this Agreement shall start upon execution by the parties hereto and extend until the completion of Phase VI (Warranty) activities as set forth above except as may be otherwise agreed to in writing by the parties hereto, or as provided further herein under Article 10 and Article 7.
- 10.1.3 **Time for Performance:** The Project Consultant agrees to start all work hereunder upon receipt of an Authorization to Proceed issued by the Chief Facilities and Construction Officer or his designee and to complete each Phase within the time stipulated in the Authorization To Proceed (Attachment 6 to this Agreement ("ATP")) and as required by the Project Schedule (Attachment 1 to this Agreement). The Project Consultant acknowledges that failure to perform timely may cause the Owner to sustain loss and damages and will be responsible for same. The Consultant agrees that Owner is entitled to recover no less than One Hundred Dollars (\$100) per consecutive calendar day of unexcused delay caused by the Consultant's failure to comply with the times set forth in the fully executed ATP. Owner shall have the right to deduct such amounts from payments due and owing to the Consultant.
- 10.1.4 **Time Extensions:** A reasonable extension of time for completion of various Phases may be granted by the Owner should there be a delay on the part of the Owner in fulfilling its obligations pursuant to this Agreement. Such extension shall not be the basis or cause for any claims or causes of action by the Project Consultant for additional or extra compensation. Under no circumstances shall the Project Consultant be entitled to additional compensation or payment as a result of or relating to delays on the Project.
- 10.1.5 Time is of the essence with regard to the performance of this Contract.
- 10.1.6 **Excess Funds:** Any party receiving funds paid by the School Board of Broward County, Florida under this Agreement agrees to promptly notify the School Board of Broward County, Florida of any funds erroneously received from the School Board of Broward County, Florida of upon the discovery of such erroneous payment or overpayment. Interest shall be calculated using the interest rate for judgments under Section 55.03, Florida



Statutes, as amended, applicable at the time the erroneous payment or overpayment was made by the School Board of Broward County, Florida. The erroneous payment and/or overpayment will be promptly transmitted and returned to the School Board of Broward County, Florida with applicable interest as set forth herein.

## **10.2 Termination Of Agreement**

- 10.2.1 **Right to Terminate:** The Owner has the right to terminate this Agreement for its own convenience on seven days written notice. Upon termination of this Agreement, the Project Consultant shall be paid in accordance with Article 10.2.5. To receive payment, all charts, sketches, studies, drawings, and other documents or other materials related to work authorized under this Agreement, whether finished or not, must be turned over to the Owner.
- 10.2.2 The Consultant may terminate this Agreement only for a material breach of the Agreement and provided the Project Consultant has given the Owner written notice of the material breach and ten (10) days to cure that breach. In the event of any dispute regarding or relating to performance pursuant to this Agreement, or payment hereunder, then in that event, the Project Consultant is obligated to continue performance in accordance with the terms of this Agreement unless instructed by the Owner to suspend or delay performance.
- 10.2.3 Owner may terminate this Agreement for cause, which may include, but not be limited to any of the following; failure of Project Consultant to comply with any of its material obligations under this Agreement; a decrease in the projected, available Capital Outlay funds which renders continuation of the design or construction of the Project impossible or impractical; or conditions which arise that constitute Force Majeure under Article 10.2.8 of this Agreement. In such event Project Consultant shall not be entitled to any additional payments and may be liable to Owner for any damages or losses incurred or suffered as a result of Project Consultant's failure to properly perform pursuant to the terms of this Agreement. In the event it is later determined that the Owner was not justified in terminating the Agreement for cause, then it shall be deemed to be a termination for convenience pursuant to Article 10.2.1 above, and the Project Consultant's sole compensation shall be compensation in accordance with that paragraph.
- 10.2.4 Whether or not this Agreement is so terminated, Project Consultant shall be liable to Owner for any damage or loss resulting from such failure or violation by Project Consultant, including, but not limited to, costs in addition to those agreed to herein for prosecuting professional services to completion and delay damages paid or incurred by Owner. The rights and remedies of Owner provided by this paragraph are cumulative with and in addition to any other rights and remedies provided by law or this Agreement.
- 10.2.5 **Termination Expenses:** Termination Expenses are in addition to compensation for Basic and Supplemental Services, and are full compensation for all damages and expenses which are directly or indirectly attributable to termination. Termination Expenses are applicable only to a termination for convenience by Owner and shall be computed as a percentage of the total compensation for Basic Services and Supplemental Services earned to the time of termination, as follows:
- .1 Twenty (20%) percent of the total compensation for Basic and Supplemental Services earned to the date of termination, if termination occurs before or during the schematic design phase; or
  - .2 Ten (10%) percent of the total compensation for Basic and Supplemental Services earned to the date of termination, if termination occurs during the design development phase; or

.3 Five (5%) percent of the total compensation for Basic and Supplemental Services earned to the date of termination, if termination occurs during any subsequent phase.

10.2.6 **Annulment:** The Project Consultant warrants that no one has been employed or retained other than an employee working solely for the Project Consultant, to solicit or secure this Agreement; and that the Project Consultant has not paid, nor agreed to pay, any company or other person any fee, commission, gift or other consideration contingent upon the making of this Agreement. For breach or violation of this warranty, the Owner has the right to annul this Agreement without liability.

10.2.7 **Fixed Fees Exceeding \$50,000:** For all Fixed Fees or other "lump-sum" fees for professional service Agreements over Fifty Thousand (\$50,000) Dollars the Project Consultant shall execute a truth-in-negotiations certificate as in accordance with 287.05 and all required language set forth therein. Requirements of Florida Statute 287.055 (2004), as amended, are incorporated herein by reference.

10.2.8 **Force Majeure:** The Owner's or Consultant's failure to perform any term or condition of this Agreement as a result of conditions beyond its control such as, but not limited to, war, strikes, fires, floods, acts of God, governmental restrictions, power failures, or damage or destruction of any network facilities or servers, shall not be deemed a breach of this Agreement.

### **10.3 Project Consultant's Accounting Records and Right to Audit Provisions**

10.3.1 Project Consultant's records which shall include any and all records reasonably requested by Owner that relate to performance of services by Project Consultant or Sub-Consultants. Records include but are not limited to information, materials and data of every kind and character (hard copy, as well as computer readable data if it exists), books, papers, documents subscriptions, recordings, estimates, price quotations, agreements purchase orders, leases, contracts, commitments, arrangements, notes, daily diaries, superintendent reports, drawings, receipts, vouchers, monthly, quarterly, yearly or other financial statements, accounting records, payroll time sheets, job cost reports, job cost history, margin analysis, written policies and procedures, all Sub-Consultant files (including proposals of successful and unsuccessful Sub-Consultants, contracts, correspondence), original estimates, estimating worksheets, computer records, disks and software, videos, photography, correspondence, change order files (including documentation covering negotiated settlements), constructability or peer reviews, coordination documents, logs and supporting documentation, general ledger entries, insurance information, and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations), fees, reimbursable services, etc. as they may apply to costs, matters or items associated with this contract.

10.3.2 For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent or authorized representative shall have access to said records from the effective date of this contract, for the duration of the work, and until five (5) years after the date of final payment by Owner to Project Consultant pursuant to this contract. All costs which the Consultant is unable to provide support or documentation to substantiate that it was incurred as represented by the original estimated breakdown of cost or found not to be in compliance with provisions of this contract, shall be reimbursed to the Owner.

- 10.3.3 Owner's agent or its authorized representative shall have access to the Project Consultant's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. Owner's agent or its authorized representative shall give auditees reasonable advance notice of intended audits.
- 10.3.4 Project Consultant shall require all Sub-Consultants and insurance agents, to comply with the provisions of this article by insertion of the requirements hereof in any written contract Agreement. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related costs from amounts payable to the Project Consultant pursuant to this contract.
- 10.3.5 If an audit inspection or examination in accordance with this article, discloses overcharges (of any nature) by the Project Consultant to the Owner in excess of \$25,000 the actual cost of the Owner's audit shall be paid by the Project Consultant.

#### **10.4 Ownership of Documents**

- 10.4.1 The Schematic Design and Design Development documents developed under this Contract shall become and be the sole property of the Owner whether the Project for which they were developed is executed or not. The Project Consultant may maintain copies thereof for its records and for its future professional endeavors although the Owner shall bear no liability or any responsibility whatsoever for such use of said documents by the Project Consultant. All or part of the Schematic Design and Design Development documents prepared by the Project Consultant for this project may be used as a prototype for other facilities by the Owner. Any reuse of Schematic Design or Design Development documents developed under this Contract by the Owner or others as permitted by the Owner shall be at the sole discretion of the Owner and at the Owner's sole risk.
- 10.4.2 Provided the Project Consultant has complied with the terms of this Agreement, construction working drawings, specifications and other documents or materials developed after the completion of the design development phase are and shall remain the property of the Project Consultant whether the Project for which they are made is executed or not.
- 10.4.3 The Owner shall be permitted to retain copies, including reproducible and electronic media copies, of drawings, specifications and other documents or materials developed after the Design Development Phase for various informational and reference purposes related to management, maintenance and operation of facilities, establishing construction standards, and various other archival functions without limitation and without subsequent notice to the Project Consultant.
- 10.4.4 The drawings and specifications may be used by the Owner on other projects, or for any other purpose included, but not limited to, for completion of the Project's construction in the event the Project Consultant's services are terminated as per other provisions of this Contract.
- 10.4.5 Submission or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Project Consultant's rights.
- 10.4.6 In the event of the Project Consultant's termination under other provisions of this Agreement, the Owner shall receive all original documents prepared to the date of termination and shall have the right to use those documents and any reproductions in any way necessary to complete the Project, or for any other purpose.

10.4.7 In the event Owner requests any such documents or materials referred to in this Article and Project Consultant fails to provide same as requested by Owner, then Project Consultant acknowledges that Owner will be irreparably harmed and subject to an injunction to provide same.

10.4.8 The Owner will not modify or distribute the documents, including electronic media versions, to third parties except for those purposes listed above without the expressed permission and consent of the Project Consultant. The Owner will delete any title blocks or other marks identifying the originating Project Consultant from any materials so distributed. The Owner will indemnify the Project Consultant against any claims that result from the modification of data and disks by the Owner.

## **10.5 Electronic Media**

10.5.1 Where this Agreement or referenced provisions in the Contract Documents require the Project Consultant to provide information or documents in either electronic or magnetic media, the preparation and format of that media shall conform to the Owner's Electronic Media Submittal Requirements (Attachment 3 to this Agreement).

## **10.6 Attachments and References**

10.6.1 The following named attachments are made an integral part of this Agreement:

- .1 Attachment 1: Project Schedule
- .2 Attachment 2: Project Scope
- .3 Attachment 3: Electronic Media Submittal Requirements
- .4 Attachment 4: Project Consultant's Invoice Format, Reimbursable and Supplemental Services Format
- .5 Attachment 5: List of Project Team Members
- .6 Attachment 6: Authorization to Proceed (ATP) Form  
Professional Services Required – page 1 of 3  
Project Schedule – page 2 of 3  
Professional Fee – page 3 of 3
- .7 Attachment 7: Document Submittal Checklist
- .8 Attachment 8: Document 00455 – Background Screening
- .9 Attachment 9: IRS Form W-9
- .10 Attachment 10: Truth in Negotiations Certificate

10.6.2 Online Documents: The following documents shall be downloaded by the Project Consultant and are considered as Attachments to this Contract:

### **Design Standards**

[http://www.broward.k12.fl.us/facilities\\_construction/DSS/DS\\_Docs/DesignStandards.htm](http://www.broward.k12.fl.us/facilities_construction/DSS/DS_Docs/DesignStandards.htm)

- Design Criteria
- Design and Material Standards - Division 1 thru Division 17
- Document Submittal Checklist for Plan Review

<http://www.broward.k12.fl.us/constructioncontracts/D0docs.html>

- Specifications – Division 0

**State Requirements for Educational Facilities (SREF) latest edition**

<http://www.fldoe.org/edfacil/sref.asp>

- F.I.S.H. layering system for AutoCAD: Note: the layering system is not posted on line. It will need to be requested thru:

Facility Planning and Real Estate  
600 SE 3rd Avenue  
Fort Lauderdale, FL 33312  
754-321-1932

**10.7 Extent of Agreement:**

- 10.7.1 This Agreement represents the entire and integrated Agreement between the Owner and the Project Consultant and supersedes all prior negotiations, representations or agreements, written or oral.
- 10.7.2 This Agreement may not be amended, changed, modified, or otherwise altered in any particular, at any time after the execution hereof, except by resolution of The School Board of Broward County, Florida.
- 10.7.3 This Agreement is for the benefit of the parties to the Agreement and is not for the benefit of any other parties nor shall it create a contractual relationship with any other party.
- 10.7.4 This Agreement shall be governed by the laws of the State of Florida Venue of any action arising out of this Agreement shall be in Broward County, Florida. The parties are encouraged to participate in mediation of any dispute before engaging in litigation.

**10.8 Strict Performance:**

- 10.8.1 The failure of either party to insist upon or enforce strict performance by the other party of any of the provisions of this Agreement or to exercise any rights under this Agreement shall not be construed as a waiver or relinquishment to any extent of its rights to assert or rely upon any such provisions or rights in that or any other instance.

**10.9 Prompt and Satisfactory Correction:**

- 10.9.1 The Owner, at its sole discretion, may direct the Project Consultant, at no additional cost to the Owner, to promptly and satisfactorily correct any services found to be defective or not in compliance with the requirements of this Agreement or the requirements of any governmental authority, law, regulations or ordinances.

**10.10 Successors and Assigns:**

- 10.10.1 The performance of this Agreement shall not be delegated or assigned by the Project Consultant without the written consent of the Owner.

10.10.2 The Project Consultant and the Owner each binds one another, their partners, successors, legal representatives and assigns to the other party of this Agreement and to the partners, successors, legal representatives and assigns of such party in respect to all covenants of this Agreement.

**10.11 Certification Regarding Debarment, Suspension, Ineligibility or Voluntary Exclusion:**

10.11.1 **Lower Tier Covered Transactions:** Executive Order 12549 provides that, to the extent permitted by law, Executive departments and agencies shall participate in a government wide system for non-procurement debarment and suspension. A person who is debarred or suspended shall be excluded from Federal financial and non-financial assistance and benefits under Federal programs and activities. Except as provided in § 85.200, Debarment or Suspension, § 85.201, Treatment of Title IV HEA participation, and §85.215, Exception provision, debarment or suspension of a participant in a program by one agency shall have government wide effect. A lower tier covered transaction is, in part, any transaction between a participant [SBBC] and a person other than a procurement contract for goods or services, regardless of type, under a primary covered transaction; and any procurement contract for goods or services between a participant and a person, regardless of type, expected to equal or exceed the Federal procurement small purchase threshold fixed at 10 U.S.C. 2304(g) and 41 U.S.C. 253(g) (currently \$100,000) under a primary covered transaction. A participant may rely upon the certification of a prospective participant in a lower tier covered transaction that it and its principals are not debarred, suspended, proposed for debarment under 48 CFR part 9, subpart 9.4, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. Each participant shall require participants in lower tier covered transactions to include the following certification for it and its principals in any proposal submitted in connection with such lower tier covered transactions.

**10.11.2 Certification and Disclosure**

- .1 The lower tier participant (Project Consultant) certifies, by entering this Agreement, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- .2 Where the lower tier participant (Project Consultant) is unable to certify to any of the statements in this certification, such participant shall provide an explanation to the Owner.
- .3 The Consultant warrants that he or she has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement and that he or she has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this agreement. For the breach or violation of this provision, the Owner shall have the right to terminate the Agreement without liability and, at its discretion, to deduct from the fees due and owing to the Consultant, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration. (Ch. 287.055, F.S.)

**10.12 Non-Discrimination, EEO, and ADA**

- 10.12.1 **Non-Discrimination** - The School Board of Broward County, Florida prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender, national origin, marital status, race, religion or sexual orientation.
- 10.12.2 **Equal Employment Opportunity (EEO)** - The School Board of Broward County, Florida, prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender identity, gender expression, national origin, marital status, race, religion, sex or sexual orientation. Individuals who wish to file a discrimination and/or harassment complaint may call the Executive Director, Benefits & EEO Compliance at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.
- 10.12.3 **Americans with Disabilities Act Amendments Act of 2008** - Individuals with disabilities requesting accommodations under the Americans with Disabilities Act Amendments Act of 2008, (ADAAA) may call Equal Educational Opportunities (EEO) at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.

**10.13 Captions**

- 10.13.1 **Captions** – The captions, section numbers, article numbers, title and headings appearing in this Agreement are inserted only as a matter of convenience and in no way define, limit, construe or describe the scope or intent of such articles or sections of this Agreement, nor in any way effect this Agreement and shall not be construed to create a conflict with the provisions of this Agreement.

**10.14 Authority**

- 10.14.1 **Authority Provision:** Each person signing this agreement on behalf of either party individually warrants that he or she has full legal power to execute this Agreement on behalf of the party for whom he or she is signing, and to bind and obligate such party with respect to all provisions contained in this Agreement.

**10.15 Notice**

- 10.15.1 **Notice Provision:** When any of the parties desire to give notice to the other, such notice must be in writing, sent by US Mail, postage prepaid, addressed to the party for whom it is intended at the place last specified; the place for giving notice shall remain such until it is changed by written notice in compliance with the provisions of the paragraph. For the present, the parties designate the following as the respective places for giving notice.

To SBBC: Superintendent of Schools  
The School Board of Broward County, Florida  
600 Southeast Third Avenue  
Fort Lauderdale, Florida 33301

With a Copy to: Office of the Chief Facilities Officer  
600 SE 3 Avenue  
Fort Lauderdale, FL 33312  
**Attn: Leo Bobadilla**  
Chief Facilities Officer

With a Copy to: Office of Facilities and Construction

3775 SW 16th St  
Fort Lauderdale, FL 33312  
**Attn: Shelley N. Meloni**  
Director, Pre-Construction Office of Facilities and Construction

And

Heery International, Owners Representative  
811 Ponce de Leon Boulevard Coral Gables, FL 33134  
**Attn: Robert Corbin**  
Program Director/Vice President

To Design Professional:           Insert Name and Address Provided by Other Party

With a Copy to:                    Insert Name and Address Provided by Other Party

**10.16 Excess Funds**

10.16.1 Any party receiving funds paid by The School Board of Broward County, Florida (SBBC) under this Agreement agrees to promptly notify SBBC of any funds erroneously received from SBBC upon the discovery of such erroneous payment or overpayment. Any such excess funds shall be refunded to SBBC with interest calculated from the date of the erroneous payment or overpayment. Interest shall be calculated using the interest rate for judgments under Section 55.03, Florida Statutes, applicable at the time the erroneous payment or overpayment was made by SBBC.

**10.17 Background Screening**

10.17.1 **Background Screening.** Project Consultant agrees to comply with all requirements of Sections 1012.32 and 1012.465, Florida Statutes, and that Project Consultant, its agents, subconsultants and all of its personnel who (1) are to be permitted access to school grounds when students are present, (2) will have direct contact with students, or (3) have access or control of school funds will successfully complete the background screening required by the referenced statutes and meet the standards established by the statutes. This background screening will be conducted by SBBC in advance of Project Consultant or its personnel providing any services under the conditions described in the previous sentence. Project Consultant will bear the cost of acquiring the background screening required by Section 1012.32, Florida Statutes, and any fee imposed by the Florida Department of Law Enforcement to maintain the fingerprints provided with respect to Project Consultant and its personnel. The Parties agree that the failure of Project Consultant to perform any of the duties described in this section shall constitute a material breach of this Agreement entitling SBBC to terminate immediately with no further responsibilities or duties to perform under this Agreement.

Project Consultant agrees to indemnify and hold harmless SBBC, its officers and employees from any liability in the form of physical or mental injury, death or property damage resulting from Project Consultant's failure to comply with the requirement of this Section or Section 1012.32 and Section 1012.465, Florida Statutes in addition to any other indemnification obligations that may be imposed upon Project Consultant pursuant to Article 8 of this Agreement and the laws of Florida.



**10.18 Errors and Omissions**

10.18.1 The Project Consultant shall be responsible for any errors, inconsistencies or omissions in the drawings, specifications, and other documents. The Project Consultant will correct the drawings and specifications at no additional design cost to the Owner for any and all errors and omissions in the drawings, specifications prepared by the Project Consultant. The Project Consultant further agrees, at no additional cost, to render assistance to the Owner in resolving problems relating to the design or specified materials.

10.18.2 Deductions may be made from the Project Consultant's Basic Services Compensation on account of errors and omissions in the drawings, specifications and other documents prepared by the Project Consultant or in the Project Consultant's performance of its obligations under this Agreement.

**ARTICLE 11 INCORPORATION OF RFQ INTO AGREEMENT**

**11.1** In addition to those Attachments and References identified and made part of this Agreement in Article 10.6.1, the provisions of RFQ No. **XXX (“TYPE OF SERVICE”)** (the “RFQ”) are hereby incorporated into this Agreement. In the event of conflict between the provisions contained in this Agreement and the RFQ, the more stringent provision shall prevail. If this Agreement is silent on an issue that is contained with the RFQ, the provisions of the RFQ shall be followed.

**IN WITNESS WHEREOF**, The School Board of Broward County, Florida, has caused this Agreement to be executed by the undersigned and the seal of the School Board to be set hereto; and the said Project Consultant has caused this Agreement to be executed by the undersigned and the seal of the Project Consultant set hereto on this day and year first above written.

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**

(SEAL)

**ATTEST THE SCHOOL BOARD OF  
BROWARD COUNTY, FLORIDA**

\_\_\_\_\_  
Robert W. Runcie, Superintendent of Schools

\_\_\_\_\_  
Dr. Rosalind Osgood, Chair

Approved as to Form and Legal Content:

\_\_\_\_\_  
Office of the General Counsel

**DELETE THE SIGNATURE SECTIONS NOT USED**

**WHEN THE PROJECT CONSULTANT IS A CORPORATION OR PROFESSIONAL ASSOCIATION**

(Corporate Seal)

(ATTEST)

(Type Name of Firm Here)  
Legal Name of Corporation

\_\_\_\_\_  
President, (Type Name Here)

\_\_\_\_\_  
Secretary, (Type Name Here)  
(Type Registration Number Here)  
Project Consultant's  
Registration Number

**WHEN THE PROJECT CONSULTANT IS AN INDIVIDUAL OR PARTNERSHIP**

(ATTEST)

\_\_\_\_\_  
Witness (Type Name Here)

\_\_\_\_\_  
Legal Name of Individual or Partnership

\_\_\_\_\_  
Witness (Type Name Here)

By: \_\_\_\_\_  
Signature (Type Name Here)

\_\_\_\_\_  
Project Consultant's  
Registration Number

**WHEN THE PROJECT CONSULTANT IS A JOINT VENTURE**

(Corporate Seal)

(Corporate Seal)

\_\_\_\_\_  
Firm's Legal Name

\_\_\_\_\_  
Firm's Legal Name

By: \_\_\_\_\_  
Signature (Type Name Here)

By: \_\_\_\_\_  
Signature (Type Name Here)

\_\_\_\_\_  
Project Consultant's  
Registration Number

(ATTEST)

\_\_\_\_\_  
Witness (Type Name Here)

\_\_\_\_\_  
Witness (Type Name Here)

\_\_\_\_\_  
Witness (Type Name Here)

\_\_\_\_\_  
Witness (Type Name Here)

ACKNOWLEDGEMENT

**STATE OF FLORIDA  
COUNTY OF BROWARD**

BEFORE ME this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, appeared \_\_\_\_\_, and, \_\_\_\_\_

\_\_\_\_\_ personally known to me to be the persons described in and who executed

the foregoing contract and acknowledge that he executed the same as his free act and deed for the purposes therein

expressed.

WITNESS my hand and official seal in the County and State last official this \_\_\_\_\_ day of

\_\_\_\_\_, 201\_.

Notary Public State of Florida

My Commission Expires:

Attachment 1

Owner's Initial Schedule



## **PROJECT SCOPE**

**Refer to RFQ Attachment G for the Project Scope which is to be included in the PSA. The Project Scope was not included in the sample PSA to limit the size of the RFQ document.**

## Electronic Media Requirements

All Work product for all projects, requires hard copies, electronic copies (PDF) and electronic original copies. The electronic media requirements are as listed below.

### ELECTRONIC MEDIA

#### 1.0 General Information

- 1.1 The School Board of Broward County, Florida contracts with one or more Internet bid advertising and distribution services. The Design Professional shall post the complete bid package to these services upon written notification by the Owner. The posted documents shall be read only documents and the file format shall be PDF.

#### 2.0 Software Requirements

##### 2.1 Word Processing

- 2.1.1 Provide word processing files in Microsoft Word for Windows compatible file formats including all information necessary for remote printing.

##### 2.2 Spreadsheets

- 2.2.1 Provide spreadsheet files in Microsoft Excel for windows compatible file formats including all information necessary for remote printing.

##### 2.3 Computer aided Design and Drafting

- 2.3.1 Provide all CADD files as AutoCAD 2010 files, Window's version.

#### 3.0 CAD Standards

##### 3.1 Standard plotted drawing size: 24 inch x 36 inch or 30 inch x 42 inch sheets.

- 3.1.1 All sheets within a set shall be the same size unless pre-approved otherwise. (for example survey sheets)

##### 3.2 Design Professional shall provide to the Owner the standard file naming Protocol they will be utilizing.

##### 3.3 CAD File Layering

- 3.3.1 Conform to the most up to date guidelines defined by the American Institute of Architects (AIA) standard document, "CAD Layer Guidelines."

- 3.3.2 Provide the required Layering for the Florida Inventory of Schoolhouses (F.I.S.H.) documents

- 3.3.1.1 The F.I.S.H. layering scheme is not available on-line. It can be requested through:



Facility Planning and Real Estate  
600 SE 3<sup>rd</sup> Avenue, Fort Lauderdale, FL 33312 754-321-1932

- 3.3.3 Provide a separate list of all layers which do not conform to the standard AIA CAD Layer Guidelines or the FISH layering scheme.
- 3.4 No custom hatch patterns shall be utilized.
- 3.5 All symbols and blocks to have descriptive names
- 4.0 Electronic Media Delivery Requirements
  - 4.1 Transmittals shall include the following
    - 4.1.1 The Project Number, Project Title and date
    - 4.1.2 The Facility Name
    - 4.1.3 The submittal type
    - 4.1.4 The format and version of the software.
    - 4.1.5 An attached Listing of file names with the latest document publish dates
  - 4.2 All electronic media shall contain an attached label which shall identify 4.1.1, 4.1.2, and 4.1.3.
  - 4.3 Document clean-up
    - 4.3.1 Before a CADD file is placed on the delivery electronic digital media, the following procedures shall be performed:
      - 4.3.1.1 Purge all files and remove all extraneous graphics outside the border area.
      - 4.3.1.2 Make sure all reference files are attached without device path
      - 4.3.1.3 All required project files both graphic and nongraphic, shall include color tables, pen tables, font libraries, block libraries, user command files, plot files, etc. All project related blocks must be provided to the Owner as a part of the electronic digital deliverables.
      - 4.3.1.4 Make sure that all support files such as those listed above are in the same directory and that references to those files do not include device Path.
  - 4.4 The following Plot File Development and Project Documentation Information shall be submitted as an enclosure or attachment to the transmittal letter provided with each electronic digital media submittal.
    - 4.4.1 Documentation of the plot files for each drawing which will be needed to be able to allow identical plotting by the Owner at a later date. This documentation shall include the plotter configuration (e.g., name and model of plotter), pen settings, drawing orientation, drawing

size, and any other special instructions.

- 4.4.2 Instructions concerning how to generate plotted, drawings from the provided plot files.
- 4.5 Provide all symbols and blocks used in the project in a separate files.
- 4.6 List of all database/spreadsheet files associated with each drawing, as well as a description and documentation of the database format.
- 5.0 Ownership: Refer to Agreement for specific Owner and Design Professional's rights.
- 6.0 Documents for the Construction Contractor:
  - 6.1 The Owner and the Design Professional shall make various electronic information available to the Contractor during the Construction phase of the Project.
- 7.0 Where electronic media submittals of final site surveys are required: Provide electronic copies of any existing site survey data already on electronic media.
- 8.0 At the Contractors option, the Design Professional will provide the Contractor one set of AutoCAD (.dwg) electronic file format contract drawings, to be used for as built drawings at the Contractor's option. Note that the Architect's name and information to be removed.

## Design Professionals Invoice Format

The School Board of Broward County, Florida requires submittal of the Design Professional's invoice on the District's standard invoice forms attached to a transmittal form or letter on the Design Professional's company letterhead. Include the information and attachments described below:

1. Letterhead Containing Firm Information

- A. Firm Name
- B. Address
- C. Telephone and FAX Numbers
- D. Consultant's Invoice Reference Number

2. Address Transmittal/Letter to:

Office of Facilities and Construction  
The School Board of Broward County, Florida  
3775 SW 16<sup>th</sup> Street  
Fort Lauderdale, FL 33312  
Attention: Name of Project Manager

3. Ensure that Transmittal/Letter references the following information:

- A. Date of submittal.
- B. The Invoice Number for ATP Number (example: Invoice No. 01 for ATP No. 01).
- C. The School Board of Broward County's Purchase Order No.: (Which will be provided by the Facilities Project Manager at the beginning of the project.)
- D. Name of Facility (and Facility Number).
- E. Name of Project
- F. School Board Project Number

4. Ensure attachment of the following documents to the Transmittal/Letter:

- A. Design Professional's Invoice Form
- B. Design Professional's Reimbursable Invoice Form
- C. Copy of signature page (page 3 of 3) of the Design Professional's Authorization to Proceed.



The School Board of Broward County, Florida  
 Florida Facilities and Construction Management Department  
 3775 SW 16th Street Fort Lauderdale, FL 33312 (754) 321-1500

Design Professional (Name) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project No: \_\_\_\_\_ Facility Name: \_\_\_\_\_ Invoice No: \_\_\_\_\_  
 Project Title: \_\_\_\_\_ SBBC PO No. \_\_\_\_\_  
 Design Professional's \_\_\_\_\_ ATP No. \_\_\_\_\_  
 Remit to address: \_\_\_\_\_ Invoice From: \_\_\_\_\_  
 Project Manager

<b>Original Basic Fee</b>	\$
<b>Current basic fee</b>	\$

**INVOICE TOTALS:**

Summary	Current Fee	Previously Billed	This Invoice	Balance
Basic Services	\$	\$	\$	\$
Reimbursable	\$	\$	\$	\$
<b>Total:</b>	\$	\$	\$	\$

**BASIC FEE TOTALS:**

Period	Fee	Previously Billed	This Invoice	Balance
From to dates	\$	\$ % \$	% \$	%
	\$	\$ % \$	% \$	%
	\$	\$ % \$	% \$	%
	\$	\$ % \$	% \$	%
	\$	\$ % \$	% \$	%
Other Services	\$	\$ % \$	% \$	%
<b>Total Previously Billed:</b>		\$		
<b>Total Amount This Invoice:</b>			\$	
<b>Total Balance:</b>				\$

Submitted By: Name: Title: Date: (Signature)	Certified By: Name: Title: Project Manager Date: (Signature)	Recommended By: Name: Title: Date: (Signature)	Approved By: Name: Title: Date: (Signature)
---	--	--	---



The School Board of Broward County, Florida  
 Florida Facilities and Construction Management Department  
 3775 SW 16th Street Fort Lauderdale, FL 33312 (754) 321-1500

Design Professional's Reimbursable Invoice

Project No:	Facility Name:	Invoice No:
Project Title:	SBBC PO No.	
Design Professional's:	ATP No.	
Remit to address:	Invoice From:	
	Project Manager:	

Item No.	Date	Reimbursable Item	Amount
Invoice Total			\$

Receipts for each Item must be attached.

Current Contract Amount:	\$			
Total This Invoice:		\$		
Total Previously Billed:			\$	
Total Balance:				\$

Submitted By: Name: Title: Date:	Certified By: Name: Title: Project Manager Date:	Recommended By: Name: Title: Date:	Approved By: Name: Title: Date:
(Signature)	(Signature)	(Signature)	(Signature)

## **LIST OF PROJECT TEAM MEMBERS**

**Refer to RFQ Attachment B for the Design Professional and Consultants Staffing which is to be included in the PSA. The List of Project Team Members was not included in the sample PSA to limit the size of the RFQ document. This is to be the same staffing plan as the Design Professional and Consultants Staffing submitted in accordance with the RFQ.**



**The School Board of Broward County, Florida**  
**Office of Facilities & Construction**  
**3775 S.W. 16<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33312**

(754) 321-1500

**Consultant's Authorization To Proceed**

Project No.: _____ Location No.: _____ Project Title: _____  Facility Name: _____ Project Consultant: _____	Date: _____ SBBC P.O. No.: _____ Line No.: _____ Project Manager: _____ Dir. Capital Planning & Programming _____
--	---

Under the provisions of your contract for professional services, you are hereby authorized to proceed with the following services for the project referenced above.

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Schematic Design                 | <input type="checkbox"/> Design Development                   | <input type="checkbox"/> Construction Documents |
| <input type="checkbox"/> Bidding                          | <input type="checkbox"/> Construction Contract Administration | <input type="checkbox"/> Warranty               |
| <input type="checkbox"/> Other Services: <u>Attached:</u> |   |   |

This Authorization to Proceed is subject to the following attachments:

- Attachments:  Professional Services Required  
 Project Schedule  
 Professional Fees  
 Previous ATP's

The scope of the required services is specified on the Professional Services Required with a Fixed Limit of Construction Cost (FLCC) for this project as indicated below:

Original FLCC	Current Cost Estimate	Revised FLCC by ATP
_____	_____	_____

The following professional services will be provided by the Project Consultant as a normal part of its Basic Services for the Project listed above:

Item	Discipline	Description
------	------------	-------------



**The School Board of Broward County, Florida**  
**Office of Facilities & Construction**  
**3775 S.W. 16<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33312**

(754) 321-1500

---

**Consultant's Authorization To Proceed (Term Contracts) Cont.**

---

Project Schedule

Project No. & Location No.: \_\_\_\_\_ Project Title: \_\_\_\_\_

Facility Name: \_\_\_\_\_  
 Project Consultant: \_\_\_\_\_

The required project schedule milestones for this project are presented below. (Mandatory)

ACTIVITY	Date Required Or Estimated Time Period	
	Start	Finish
Schematic Design		
Design Development		
Construction Documents Development		
50% Construction Documents		
100% Construction Documents		
Bidding and Award of Contract		
Time for Permitting of Submittals, Prior to the Issuance of the Construction NTP (Part of Contract Administration)		
Construction		
Warranty		





**The School Board of Broward County, Florida**  
**Office of Facilities & Construction**  
**3775 S.W. 16<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33312**

**Consultant's Authorization To Proceed (Term Contracts)**

Professional Fees

Project No. & Location No.: \_\_\_\_\_ Project Title: \_\_\_\_\_

Facility Name: \_\_\_\_\_  
 Project Consultant: \_\_\_\_\_

Phase	Original Basic Fee	Fee Authorized by ATP	Fee Previously Paid	Fee Balance
I (SD) (5%)		%	%	%
II (DD) (10%)		%	%	%
III (CD) (35%/60%)		%	%	%
IV (BID) (65%)		%	%	%
V (CA) (98%)		%	%	%
VI (Warr) (100%)		%	%	%
Other Service Item No. 1		%	%	%
Other Service (Item No. 2)		%	%	%
Other Service (Item No. 3)		%	%	%
Other Service (Item No. 4)		%	%	%
<b>Total:</b>				

Payment for these services shall be made In accordance with the provisions of the Professional Services Agreement.

<b>Approved By Consultant</b>				<b>Recommended By SBBC</b>			
Name:				Name: Shelley N. Meloni			
Title:				Title: Director, Pre-Construction			
Signature:	_____	Date:	_____	Signature:	_____	Date:	_____
<b>Certified By SBBC</b>				<b>Approval by SBBC</b>			
Name:				Name: Leo Bobadilla			
Title:				Title: Chief Facilities Officer			
Signature:	_____	Date:	_____	Signature:	_____	Date:	_____

This document is part of the Professional Services Agreement between The School Board of Broward County, Florida (Owner) and the Design Professional and is incorporated by reference into the terms and conditions of that agreement.

Form <b>W-9</b> (Rev. August 2013) Department of the Treasury Internal Revenue Service	<h2 style="margin:0;">Request for Taxpayer Identification Number and Certification</h2>	Give Form to the requester. Do not send to the IRS.
---	---	---

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate  <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____  <input type="checkbox"/> Other (see instructions) ▶ _____	Exemptions (see instructions):  Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	List account number(s) here (optional)

<b>Part I Taxpayer Identification Number (TIN)</b>															
Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> on page 3.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 2px;">Social security number</td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>	Social security number													
Social security number															
<b>Note.</b> If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 2px;">Employer identification number</td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>	Employer identification number													
Employer identification number															

<b>Part II Certification</b>	
Under penalties of perjury, I certify that:	
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and 3. I am a U.S. citizen or other U.S. person (defined below), and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.	
<b>Certification instructions.</b> You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.	
<b>Sign Here</b>	Signature of U.S. person ▶ _____  Date ▶ _____

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** The IRS has created a page on [www.irs.gov/w9](http://www.irs.gov/w9) for information about Form W-9, at [www.irs.gov/w9](http://www.irs.gov/w9). Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

**Purpose of Form**

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

**Note.** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.



In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- in the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity,
- in the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust, and
- in the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

### Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester.
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details).
3. The IRS tells the requester that you furnished an incorrect TIN.
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships* on page 1.

**What is FATCA reporting?** The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the instructions for the Requester of Form W-9 for more information.

## Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

**Sole proprietor.** Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name/disregarded entity name" line.

**Partnership, C Corporation, or S Corporation.** Enter the entity's name on the "Name" line and any business, trade, or "doing business as (DBA) name" on the "Business name/disregarded entity name" line.

**Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulation section 301.7701-2(c)(2)(iii). Enter the owner's name on the "Name" line. The name of the entity entered on the "Name" line should never be a disregarded entity. The name on the "Name" line must be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on the "Name" line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the "Business name/disregarded entity name" line. If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

**Note.** Check the appropriate box for the U.S. federal tax classification of the person whose name is entered on the "Name" line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

**Limited Liability Company (LLC).** If the person identified on the "Name" line is an LLC, check the "limited liability company" box only and enter the appropriate code for the U.S. federal tax classification in the space provided. If you are an LLC that is treated as a partnership for U.S. federal tax purposes, enter "P" for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter "C" for C corporation or "S" for S corporation, as appropriate. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the "Name" line) is another LLC that is not disregarded for U.S. federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the "Name" line.

**Other entities.** Enter your business name as shown on required U.S. federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

## Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the Exemptions box, any code(s) that may apply to you. See *Exempt payee code and Exemption from FATCA reporting code* on page 3.



**Exempt payee code.** Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends. Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.

**Note.** If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following codes identify payees that are exempt from backup withholding:

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt payees 1 through 5 <sup>2</sup>
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

<sup>1</sup> See Form 1099-MISC, Miscellaneous Income, and its instructions.  
<sup>2</sup> However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

**Exemption from FATCA reporting code.** The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements.

- A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)
- B—The United States or any of its agencies or instrumentalities
- C—A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
- D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Reg. section 1.1472-1(c)(1)(i)
- E—A corporation that is a member of the same expanded affiliated group as a corporation described in Reg. section 1.1472-1(c)(1)(i)
- F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

- G—A real estate investment trust
- H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940
- I—A common trust fund as defined in section 584(a)
- J—A bank as defined in section 581
- K—A broker
- L—A trust exempt from tax under section 664 or described in section 4947(a)(1)
- M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

**Part I. Taxpayer Identification Number (TIN)**

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note.** See the chart on page 4 for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at [www.ssa.gov](http://www.ssa.gov). You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at [www.irs.gov/businesses](http://www.irs.gov/businesses) and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting [irs.gov](http://irs.gov) or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note.** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

**Part II. Certification**

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt payee code* earlier.

**Signature requirements.** Complete the certification as indicated in items 1 through 5 below.

1. **Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.
2. **Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.
3. **Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.
4. **Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).
5. **Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.



**What Name and Number To Give the Requester**

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee <sup>3</sup>  The actual owner <sup>4</sup>
5. Sole proprietorship or disregarded entity owned by an individual	The owner <sup>4</sup>
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor <sup>4</sup>
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(ii)(B))	The trust

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

<sup>4</sup> List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see Special rules for partnerships on page 1.

\*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

**Secure Your Tax Records from Identity Theft**

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN.
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

**Protect yourself from suspicious emails or phishing schemes.** Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to [phishing@irs.gov](mailto:phishing@irs.gov). You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-368-4484. You can forward suspicious emails to the Federal Trade Commission at: [spam@ftc.gov](mailto:spam@ftc.gov) or contact them at [www.ftc.gov/idtheft](http://www.ftc.gov/idtheft) or 1-877-IDTHEFT (1-877-438-4338).

Visit [IRS.gov](http://IRS.gov) to learn more about identity theft and how to reduce your risk.

**Privacy Act Notice**

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payors must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payor. Certain penalties may also apply for providing false or fraudulent information.

**REQUIRED RESPONSE FORM - Proposer Information**

RFQ Issued Date: \_\_\_\_\_ Title of Request or Solicitation: \_\_\_\_\_

Note: For Joint Venture Proposals, see instructions at the bottom of this page.

**PROPOSER INFORMATION**

PROPOSER'S (COMPANY) NAME: \_\_\_\_\_

STREET ADDRESS: \_\_\_\_\_

CITY, STATE AND ZIP CODE: \_\_\_\_\_

PROPOSER TELEPHONE: \_\_\_\_\_ PROPOSER FAX: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

CONTACT TELEPHONE: \_\_\_\_\_ CONTACT FAX: \_\_\_\_\_

E-MAIL ADDRESS TO SEND PURCHASE ORDERS TO: \_\_\_\_\_

INTERNET E-MAIL ADDRESS: \_\_\_\_\_ INTERNET URL: \_\_\_\_\_

PROPOSER FIRM - TAX IDENTIFICATION NUMBER: \_\_\_\_\_

**Proposal Certification**

I hereby certify that:

1. I am submitting the following information as my Firm's Qualifications and I am an Officer of the Firm.
2. Proposer has not discussed, or compared the Qualifications with other Proposers and has not colluded with any other Proposer.
3. Proposer, its principals, or their lobbyists has not provided any campaign contributions to School Board Members during the period in which the Proposer is attempting to qualify, to provide Design Services to the School Board. This period of limitation shall commence at the time of the "cone of silence" period for any solicitation for a competitive procurement as described by:
  - School Board Policy 3320, Part II, Section HH
  - School Board Policy 1007, Section 5.4 Campaign Contribution Fundraising
4. Proposer acknowledges that all information contained herein is part of the public record as defined by the State of Florida Sunshine and Public Records Laws.
- 5 All responses, data and information contained in this Proposal are true and accurate
6. Proposer agrees to acceptance of the contents of all pages in this Request for Qualifications (RFQ) including all attachments and the contents of all issued Addenda.
7. Proposer agrees to be bound to all terms, conditions and requirements identified in the Request for Qualifications, its Addenda and its Attachments.
8. The Proposer understands that everything contained herein are requirements of this RFQ and failure to comply will result in disqualification of the Qualifications submitted.

\_\_\_\_\_  
Signature of Proposer's Officer (blue ink preferred on original)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name of Proposer's Officer

\_\_\_\_\_  
Title of Proposer's Officer.

**JOINT VENTURES:** In the event multiple Proposers submit a joint Proposal in response to the RFQ, a single Proposer shall be identified as the Prime Proposer. If offering a joint Proposal, Prime Proposer must include the name and address of all parties of the joint Proposal. Prime Proposer shall provide all bonding and insurance requirements, execute any Contract, complete the **REQUIRED RESPONSE FORM** shown herein, have overall and complete accountability to resolve any dispute arising within this contract. Only a single contract with one Proposer shall be acceptable. Prime Proposer responsibilities shall include, but not be limited to, performing of overall contract administration, preside over other Proposers participating or present at SBBC meetings, oversee preparation of reports and presentations, and file any notice of protest and final protest as described herein. Prime Proposer shall also prepare and present a consolidated invoice(s) for services performed. SBBC shall issue only one check for each consolidated invoice to the Prime Proposer for services performed. Prime Proposer shall remain responsible for performing services associated with response to this RFQ.

Firm: \_\_\_\_\_

RFQ #: \_\_\_\_\_

**Scope of Available Services Form**

(Both of these columns can be yes)

Scope of Services	In House Services (yes or no)	Consultant
Architecture		
Civil Engineering		
Electrical Engineering		
Land Surveying		
Mechanical Engineering		
Structural Engineering		
Landscape Design		
Site Analysis and Planning		
Plumbing Design		
Other		



The School Board of Broward County, Florida  
Procurement and Warehousing Department  
7720 W. Oakland Park Blvd., Suite 323  
Sunrise, Florida 33351

(754) 321-0505

**Document 00220a: Proposer's Request for Information**

To: **Purchasing Agent**  
**Procurement and Warehousing Department**  
**7720 W. Oakland Park Blvd., Suite 323**  
**Sunrise, Florida 33351**

Date: \_\_\_\_\_

(For Owner's Use Only)  
**Bidder's**  
**RFI No.:**

Project: \_\_\_\_\_  
Facility Name: \_\_\_\_\_

Project Number &  
Location Number: \_\_\_\_\_  
Project Consultant: \_\_\_\_\_

**Category:**

- Information not shown on RFQ Documents
- Interpretation of RFQ Documents
- Conflict in RFQ Requirements
- Coordination

**Subject:** \_\_\_\_\_

**Description:**

**Attachments:**

**Bidder:**

Company Name  
& Address:

Phone:

**By:** \_\_\_\_\_

Signature

\_\_\_\_\_ Title



## Attachment G - Project Scope of Work

Stranahan Senior High School  
1800 SW 5<sup>th</sup> Place  
Ft. Lauderdale, FL 33132

Project Number: P-001683  
Project Description: Design & Renovation  
RFQ Number: 16-167C

**Prepared for: The School Board of Broward County**

600 SE 3<sup>rd</sup> Ave  
Ft Lauderdale, FL 33301

**Prepared by: HEERY**

A group of professional service practices  
999 Peachtree St, NE  
Atlanta, Georgia 30309

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## 1.0.0 Executive Summary

On November 4, 2014, Broward County voters approved a General Obligation Bond (Bond) referendum that provides critically needed funding for Broward's students. Broward County Public Schools has committed to investing the funding to enhance students' learning environments by focusing on improvements in Safety, Music, Art, Athletics, Renovations and Technology (SMART).

To ensure equity among schools regarding Broward County Public Schools SMART initiative, a comprehensive Facility Needs Assessment was conducted Districtwide. The Needs Assessment provided an objective, data-driven overview of the District as a whole, as well as a strategic planning tool for prioritizing the most critical needs facing our schools for safety and security; repairs and renovations; and technology and technology infrastructure.

Based on the Facility Needs Assessment, Stranahan Senior High School was found to require renovations to multiple facility components. The key objectives are 1) to thoroughly plan the work to allow normal school activities to continue without interruption with a focus on safety and completing work as soon as possible, and 2) to capitalize on 2017 Summer break to complete portions of scope when students are not on campus.

Included in this project scope of work is:

### Stranahan Senior High School

- Replace non-ADA compliant concrete ramps
- Provide aluminum canopies (over ADA ramps)
- Provide Single Point of Entry
- Provide Fire Sprinklers for Non-Protected Buildings
- Replace Fire Alarm System
- Weight Room Renovations (Flooring, Paint, Replace Old/Unsafe Equipment, Equipment Layout)
- Roof and Loggias (Canopies) Replacements
- STEM Lab Improvements
- Media Center Improvements (Including structural repairs of flooring as needed)
- HVAC Improvements
- Electrical Improvements

## 2.0.0 Stranahan Senior High School

### 2.1.0 Project Scope of Work

The scope of work is broken down in accordance with the Approved District Educational Facility Plan SMART Program. The scope is presented as overall site deficiencies with specific trades called out when possible. Additionally, the scope of services specific to each campus building is itemized in section 2.4.0 facility assessment reports with specific trades called out when possible for reference purposes only.

**The Design Team is responsible for confirming all areas within the scope of work and necessary quantities and component sizes relevant to the campus renovations.** The scope of work is limited to that which is being funded by the General Obligation Bond or agreed upon alternatives with the designated representatives of the school district.

The access to the campus is not ADA compliant. The Design Team shall provide a full design for new ADA compliant concrete ramps at the school entry. In addition, the design shall include new aluminum canopies over the ADA compliant ramps. The design shall be in accordance with applicable codes and ADA guidelines.

The Design Team shall design a “Single Point of Entry” to the school, such that visitors to the school must go through the main administration office and have no other “non-secure” method of entering school grounds. The Design Team shall coordinate all trades affected by this Single Entry Point, including but not limited to: HVAC, Electrical, Fire Alarm, Lighting, Life-Safety and ADA compliance issues.

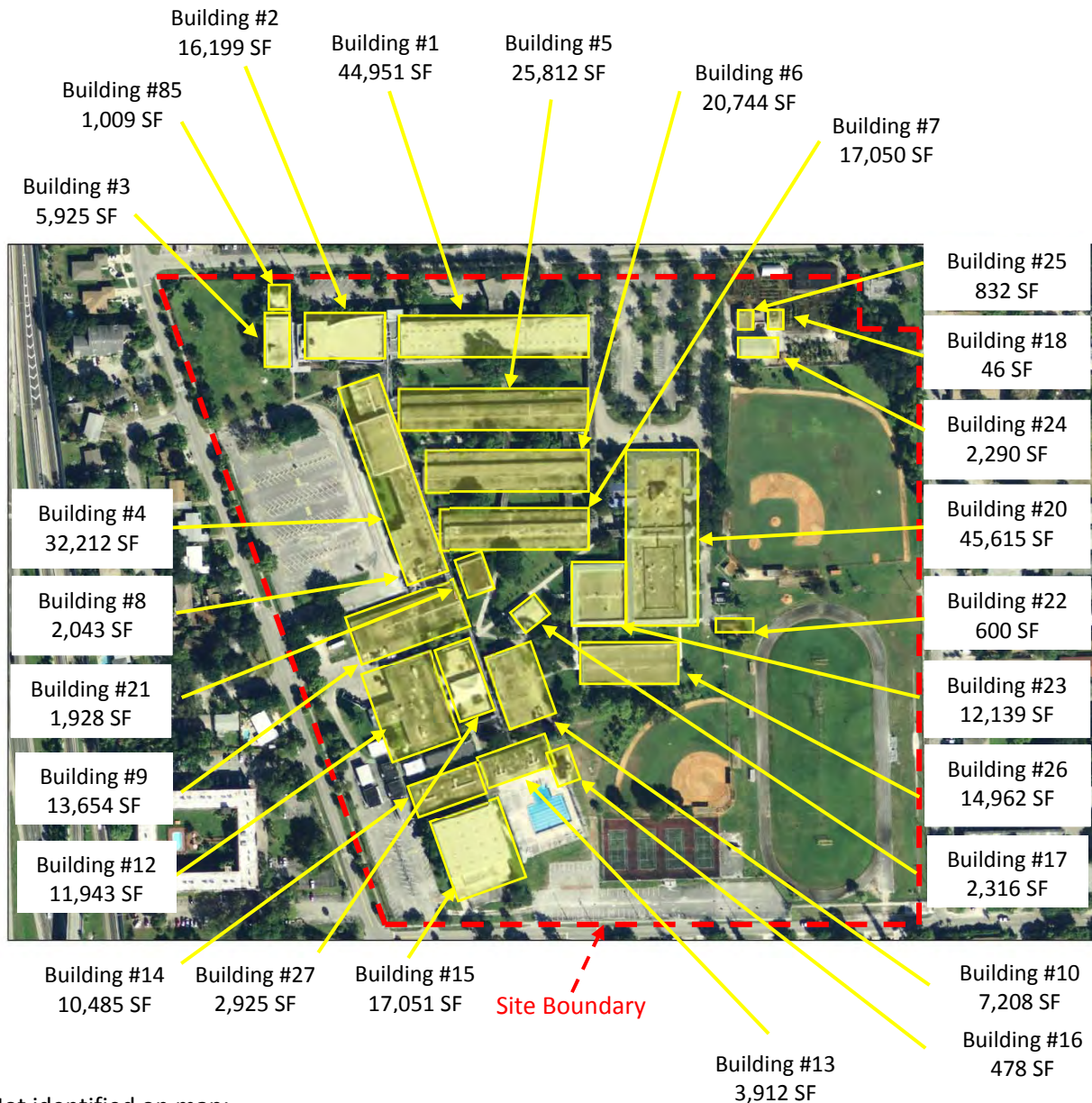
The Design Team shall be responsible for the full design of a complete replacement of the Fire Alarm System for the campus and new Fire Sprinkler System serving buildings currently not served, which shall meet all applicable codes and SREF design requirements. The fire alarm system and fire sprinkler systems are viewed as mission critical concern of the highest priority level.

The Design Team shall be responsible for the full design of the Weight Room renovation with equipment and flooring upgrades based on the condition of the existing facilities. In addition, the Design Team shall be responsible for the full design of Media Center and STEM Lab improvements across the campus. The Designer shall work with the designated representatives of the school district to identify and perform remodeling of these spaces. These renovations may include but are not limited to typical design disciplines and may require specialty trades. Refer to Section 2.4.1 ADEFP for budgeted SMART program allocation. The Designer shall coordinate the overall ADEFP budget with individual Weight Room, Media Center, and STEM Lab renovations that take place across the campus. See Section 2.3.3 and 2.3.4 for room designations, and 2.3.2 FISH Inventory for relevant Design Code for room coordination.

The facility assessment determined various envelope and building systems to require replacement. This scope includes, but not limited, to multiple building roofing repairs, electrical system improvements, and HVAC improvements and equipment replacement. In addition to the identified deficiencies found in section 2.4.0, the Design Team is responsible for working with the designated representatives of the school district to identify additional deficiencies related to the envelope, indoor air quality, lighting, and HVAC systems. The facility assessment reports stand as initial budgeted concerns, but does not serve as the limits of scope of work for the project renovation.

### 2.2.0 Site Summary

Stranahan Senior High School is an existing school originally built in 1951 with expansion and renovation having taken place over the entire life of the facility. The campus currently encompasses twenty-seven (27) buildings with an approximate square footage of 268,809 SF. Additionally the campus includes nine (9) portable facilities with an approximate square footage of 7,264 SF.



Not identified on map:

Building #11 – 563 SF – Between Bldg. 10 & 13



2.3.0 FISH Documents

2.3.1 FISH Summary Report



**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**

**FLORIDA DEPARTMENT OF EDUCATION  
EDUCATIONAL FACILITIES  
AGENCY NSF/STUDENT STATIONS SUMMARY REPORT**

ORGANIZATION: 6-BROWARD COUNTY SCHOOL DISTRICT  
FACILITY: STRANAHAN SENIOR HIGH  
FACILITY USE: All  
STRUCTURE TYPE: All  
CONDITION: 1-SATISFACTORY  
GROUP BY: DISTRICT

District : 6 - BROWARD COUNTY SCHOOL DISTRICT

DESIGN CODE	ROOM DESIGN CODE	TOTAL ROOMS	NET SQ FT	STUDENT STATIONS
00003	SENIOR HIGH CLASSROOM (9-12)	55	41,086	1,375
00012	SENIOR HIGH SKILLS LAB (9-12)	1	696	25
00023	SENIOR HIGH SCIENCE LAB (9-12)	15	22,688	375
00040	RESOURCE ROOM	4	2,204	0
00052	ART - SENIOR HIGH	2	2,568	48
00061	E S E PART-TIME	4	3,075	60
00075	VOCAL MUSIC CLASS (MIDDLE-SR HIGH)	1	1,116	20
00076	BAND CLASS (MIDDLE-SR HIGH)	1	2,000	50
00081	RECORDING ROOM	1	84	0
00083	MUSIC RELATED SPACE	3	705	0
00092	P E LOCKER ROOM (MALE)	3	2,968	0
00093	P E LOCKER ROOM (FEMALE)	3	2,248	0
00094	P E SHOWER (MALE)	1	153	0
00095	P E SHOWER (FEMALE)	2	736	0
00098	P E STORAGE (MIDDLE-SR HIGH)	7	2,086	0
00099	P E TEACHERS SHOWER (MALE)	1	56	0
00100	P E TEACHERS SHOWER (FEMALE)	1	56	0
00110	P E MULTIPURPOSE ROOM (MIDDLE-SR HIGH)	1	2,084	0
00112	SR HIGH GYMNASIUM	1	11,446	70
00114	P E LAUNDRY	1	186	0
00118	P E WRESTLING ROOM	1	2,084	0
00119	P E GYMNASTICS & DANCE	1	2,160	0
00120	GYMNASIUM STORAGE	4	1,103	0
00201	PRACTICAL AGRICULTURE LAB	2	1,658	40



## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

### FLORIDA DEPARTMENT OF EDUCATION EDUCATIONAL FACILITIES AGENCY NSF/STUDENT STATIONS SUMMARY REPORT

District : 6 - BROWARD COUNTY SCHOOL DISTRICT

DESIGN CODE	ROOM DESIGN CODE	TOTAL ROOMS	NET SQ FT	STUDENT STATIONS
00212	BUSINESS EDUCATION LAB	5	5,392	100
00221	PRACTICAL DISTRIBUTIVE LAB	3	2,931	72
00232	SMALL HOME ECONOMICS LAB	2	2,100	40
00233	MEDIUM HOME ECONOMICS LAB	1	1,551	20
00234	LARGE HOME ECONOMICS LAB	1	2,025	20
00241	SMALL TECHNOLOGY LAB	3	3,946	72
00243	LARGE TECHNOLOGY LAB	1	2,574	23
00245	MEDIUM INDUSTRIAL LAB	1	1,845	20
00251	PRACTICAL HEALTH LAB	1	1,052	20
00272	VOCATIONAL LAB SUPPORT SPACE	11	4,051	0
00300	PRINCIPAL/DIRECTOR OFFICE	1	274	0
00301	ASSISTANT PRINCIPAL/OTHER OFFICE	20	3,911	0
00302	BOOKKEEPING OFFICE	2	280	0
00303	SECRETARIAL SPACE	4	1,446	0
00304	RECEPTION AREA	2	1,064	0
00305	PRODUCTION WORKROOM	2	895	0
00306	CONFERENCE ROOM	5	1,198	0
00307	CLINIC	2	340	0
00308	GENERAL SCHOOL STORAGE	14	1,402	0
00309	VAULT/STUDENT RECORDS	4	511	0
00310	SCHOOL STORE	2	552	0
00312	COMPUTER AREA	1	142	0
00313	CAREERS ROOM	1	324	0
00314	ITINERANT OFFICE	3	632	0
00315	TEACHER PLANNING OFFICE	32	10,872	0
00316	TEACHER LOUNGE/DINING	2	473	0
00331	CUSTODIAL SERVICE CLOSET	21	1,074	0
00332	CUSTODIAL WORK AREA	4	1,030	0
00333	FLAMMABLE STORAGE	4	760	0
00334	CUSTODIAL EQUIPMENT STORAGE	3	591	0
00340	DINING AREA	4	8,024	0



## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

### FLORIDA DEPARTMENT OF EDUCATION EDUCATIONAL FACILITIES AGENCY NSF/STUDENT STATIONS SUMMARY REPORT

District : 6 - BROWARD COUNTY SCHOOL DISTRICT

DESIGN CODE	ROOM DESIGN CODE	TOTAL ROOMS	NET SQ FT	STUDENT STATIONS
00341	KITCHEN & SERVING AREA	1	3,028	0
00342	KITCHEN DRY STORAGE	2	504	0
00343	KITCHEN OFFICE	1	238	0
00344	KITCHEN GARBAGE WASH	1	190	0
00345	KITCHEN NONFOOD STORAGE	1	210	0
00349	KITCHEN CHAIR STORAGE	2	400	0
00350	OTHER FOOD SERVICE	3	571	0
00351	MIDDLE/SR HIGH COVERED PATIO	1	2,925	0
00360	AUDITORIUM	1	7,466	0
00363	STAGE	1	2,698	0
00364	STAGE STORAGE	3	340	0
00365	STAGE DRESSING ROOM (MALE)	1	133	0
00366	STAGE DRESSING ROOM (FEMALE)	1	133	0
00367	CONTROL BOOTH/PROJECTION ROOM	1	63	0
00368	TEXTBOOK STORAGE	2	365	0
00370	LOBBY	1	2,146	0
00371	CONCESSIONS	2	346	0
00372	TICKET BOOTH	4	188	0
00380	LIBRARY (READING ROOM/STACKS)	1	6,597	0
00381	MEDIA TECHNICAL PROCESSING	1	660	0
00382	PROFESSIONAL LIBRARY	1	127	0
00383	AUDIO VISUAL STORAGE	1	1,136	0
00384	PERIODICAL STORAGE	1	267	0
00700	INSIDE CIRCULATION	31	30,352	0
00701	COVERED WALKWAY	28	59,615	0
00702	MECHANICAL ROOM	25	6,729	0
00703	ELECTRICAL ROOM	11	1,322	0
00705	GALLERY/ART DISPLAY	2	89	0
00707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	7	549	0
00708	JROTC	1	1,268	30
00803	INSTRUCTIONAL DARKROOM	3	397	0





## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

### FLORIDA DEPARTMENT OF EDUCATION EDUCATIONAL FACILITIES AGENCY NSF/STUDENT STATIONS SUMMARY REPORT

District : 6 - BROWARD COUNTY SCHOOL DISTRICT

DESIGN CODE	ROOM DESIGN CODE	TOTAL ROOMS	NET SQ FT	STUDENT STATIONS
00805	KILN	1	60	0
00806	REFERENCE	1	139	0
00808	MATERIAL STORAGE	31	3,355	0
00810	MATERIAL STORAGE (LARGE)	5	1,077	0
00811	OUTSIDE STORAGE	3	970	0
00812	PROJECT STORAGE	1	165	0
00814	STUDENT RESTROOM (BOTH SEXES)	3	133	0
00815	STUDENT RESTROOM (MALE)	19	3,531	0
00816	STUDENT RESTROOM (FEMALE)	19	3,647	0
00818	LOCKERS/RESTROOM/SHOWER (ESE/VOC ED)	2	150	0
00819	STAFF RESTROOM (MALE)	4	294	0
00820	STAFF RESTROOM (FEMALE)	3	230	0
00821	STAFF RESTROOM (BOTH SEXES)	9	418	0
00822	PUBLIC USE RESTROOM (MALE)	3	533	0
00823	PUBLIC USE RESTROOM (FEMALE)	3	571	0
00827	ELEVATOR (PASSENGER/HANDICAPPED)	1	48	0
00831	MUSIC PRACTICE ROOM	3	168	0
00840	VOCATIONAL RELATED CLASSROOM	3	1,879	20
00850	VOCATIONAL TOOL STORAGE (SMALL)	2	292	0
TOTALS:		536	317,650	2,500

TOTALS FOR SELECTED DISTRICTS :	536	317,650	2,500
---------------------------------	-----	---------	-------

The following facilities have not undergone the automated reevaluation process and are being excluded from reports.		
DISTRICT NAME	FACILITY NAME	STATUS
BROWARD COUNTY SCHOOL DISTRICT	LYONS CREEK MIDDLE	Paused

2.3.2 FISH Inventory

**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**  
**FACILITY INVENTORY REPORT**



ORGANIZATION: 6-BROWARD COUNTY SCHOOL DISTRICT  
FACILITY: STRANAHAN SENIOR HIGH  
FACILITY USE: ALL

DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT  
FACILITY: 16-A STRANAHAN SENIOR HIGH

Capital Outlay Classification: SCHOOL RECOMMENDED FOR CONTINUED USE

DOE Validation Date:

Grades Housed: 09 - 12

Primary Use: SENIOR HIGH

**MASTER SCHOOL ID**

MSID	Name	Status
211	STRANAHAN HIGH SCHOOL	Default

**CAPITAL OUTLAY FTE**

Year: 2013 / 2014

PK: 0.00	01: 0.00	03: 0.00	05: 0.00	07: 0.00	09: 422.50	11: 378.53	PK-12: 1530.03
KG: 0.00	02: 0.00	04: 0.00	06: 0.00	08: 4.50	10: 388.17	12: 336.33	Adult: 0.00
							Total: 1530.03

**SCHOOL CAPACITY**

SCHOOL CAPACITY	YEAR ROUND CAPACITY	UTILIZATION FACTOR	PRIMARY USE
2,375	2,850	0.95	SENIOR HIGH

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**PARCEL: 17**

1800 SW 5TH PLACE  
FORT LAUDERDALE, FL 33312

Parking: DEVELOPED	Owner: SCHOOL BOARD	Fire: 4
Athletic: INCLUDED WITH SITE	Water: PUBLIC	Police: CITY
Sewage: ON-SITE SEPTIC TANK	Plan: FINGER	Drainage: ADEQUATE
Landscaping: DEVELOPED	Playground: INCLUDED WITH SITE	Acreage: 38.00
Date Acquired: 1/1/1950		Lease Expiration Date:

**DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT**

**FACILITY: 16-A STRANAHAN SENIOR HIGH**

**BUILDING: 1 - Building Number 00001**

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1958	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 2		Corridor: DOUBLE INSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
001	1450	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
001A	324	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
001B	847	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



001C	324	700	INSIDE CIRCULATION	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
001D	173	700	INSIDE CIRCULATION	0	01	CARPET	1958	SATISFACTORY	1	17	16
002	1450	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
002A	324	700	INSIDE CIRCULATION	0	01	CARPET	1958	SATISFACTORY	1	17	16
100	3230	701	COVERED WALKWAY	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
100A	742	701	COVERED WALKWAY	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
100B	850	701	COVERED WALKWAY	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
101	764	304	RECEPTION AREA	0	01	CARPET	1958	SATISFACTORY	1	17	16
101A	824	303	SECRETARIAL SPACE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101B	142	312	COMPUTER AREA	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
101C	128	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
101D	78	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
101E	176	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101F	177	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101G	172	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101H	248	306	CONFERENCE ROOM	0	01	CARPET	1958	SATISFACTORY	1	17	16
101J	472	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
101K	88	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
101L	56	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
101M	178	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101N	189	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101P	131	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
101Q	176	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



102	89	703	ELECTRICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
103	83	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
104	159	303	SECRETARIAL SPACE	0	01	CARPET	1958	SATISFACTORY	1	17	16
104A	162	303	SECRETARIAL SPACE	0	01	CARPET	1958	SATISFACTORY	1	17	16
104B	274	300	PRINCIPAL/DIRECTOR OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
104C	34	308	GENERAL SCHOOL STORAGE	0	01	CARPET	1958	SATISFACTORY	1	17	16
104D	34	821	STAFF RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
104E	34	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
105	268	316	TEACHER LOUNGE/DINING	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
105A	122	819	STAFF RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
105B	116	820	STAFF RESTROOM (FEMALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
106	62	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
107	114	309	VAULT/STUDENT RECORDS	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
108	342	306	CONFERENCE ROOM	0	01	CARPET	1958	SATISFACTORY	1	17	16
109	128	302	BOOKKEEPING OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
109A	37	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
110	840	305	PRODUCTION WORKROOM	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
110A	130	309	VAULT/STUDENT RECORDS	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
110B	119	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
111	152	302	BOOKKEEPING OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
111A	157	309	VAULT/STUDENT RECORDS	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
112	197	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
113	365	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	1	17	16

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



114	48	827	ELEVATOR (PASSENGER/HANDICAPPED)	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
115	45	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
116	280	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
117	278	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
118	301	303	SECRETARIAL SPACE	0	01	CARPET	1958	SATISFACTORY	1	17	16
118A	173	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
118B	175	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
118C	175	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
118D	179	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
118E	175	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
118F	265	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
118G	164	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
119	324	313	CAREERS ROOM	0	01	CARPET	1958	SATISFACTORY	1	17	16
120	307	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	1	17	16
121	232	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
121A	110	309	VAULT/STUDENT RECORDS	0	01	COMPOSITION TILE	1958	SATISFACTORY	1	17	16
121B	24	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	1958	SATISFACTORY	1	17	16
122	136	314	ITINERANT OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
123	247	314	ITINERANT OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
124	504	40	RESOURCE ROOM	0	01	CARPET	1958	SATISFACTORY	1	17	16
125	249	314	ITINERANT OFFICE	0	01	CARPET	1958	SATISFACTORY	1	17	16
126	665	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1958	SATISFACTORY	1	17	16
127	835	61	E S E PART-TIME	15	01	CARPET	1958	SATISFACTORY	1	17	16
128	669	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1958	SATISFACTORY	1	17	16

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Item ID	Item Code	Item Description	Quantity	Unit	Material	Year	Condition	Item ID	Item Code	Item Description	Quantity	Unit	Material	Year	Condition	
129	864	61			E S E PART-TIME	15	01			CARPET	1958		SATISFACTORY	1	17	16
143	20	808	0	01	MATERIAL STORAGE	0	01			COMPOSITION TILE	1958		SATISFACTORY	1	17	16
004	2100	700	0	02	INSIDE CIRCULATION	0	02			COMPOSITION TILE	1958		SATISFACTORY	1	17	16
004A	1200	700	0	02	INSIDE CIRCULATION	0	02			COMPOSITION TILE	1958		SATISFACTORY	1	17	16
004B	1700	700	0	02	INSIDE CIRCULATION	0	02			COMPOSITION TILE	1958		SATISFACTORY	1	17	16
130	698	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
131	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
132	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
133	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
134	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
135	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
136	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
137	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
138	261	816	0	02	STUDENT RESTROOM (FEMALE)	0	02			CERAMIC TILE	1958		SATISFACTORY	1	17	16
139	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
140	35	331	0	02	CUSTODIAL SERVICE CLOSET	0	02			CONCRETE	1958		SATISFACTORY	1	17	16
141	684	315	0	02	TEACHER PLANNING OFFICE	0	02			CARPET	1958		SATISFACTORY	1	17	16
141A	116	315	0	02	TEACHER PLANNING OFFICE	0	02			CARPET	1958		SATISFACTORY	1	17	16
141B	55	308	0	02	GENERAL SCHOOL STORAGE	0	02			COMPOSITION TILE	1958		SATISFACTORY	1	17	16
141C	48	821	0	02	STAFF RESTROOM (BOTH SEXES)	0	02			CERAMIC TILE	1958		SATISFACTORY	1	17	16
142	270	815	0	02	STUDENT RESTROOM (MALE)	0	02			CERAMIC TILE	1958		SATISFACTORY	1	17	16
144	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16
145	405	702	0	02	MECHANICAL ROOM	0	02			CONCRETE	1958		SATISFACTORY	1	17	16
146	668	3	25	02	SENIOR HIGH CLASSROOM (9-12)	25	02			CARPET	1958		SATISFACTORY	1	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Item ID	Room Name	Area	Grade	Count	Condition	Year	Replacement Count	Replacement Year
147	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		
148	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		
149	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		
150	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		
151	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		
152	TEACHER PLANNING OFFICE	0	02		CARPET	1958		
152A	TEACHER PLANNING OFFICE	0	02		CARPET	1958		
152B	TEACHER PLANNING OFFICE	0	02		CARPET	1958		
152C	STAFF RESTROOM (BOTH SEXES)	0	02		CERAMIC TILE	1958		
153	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		
155	SENIOR HIGH CLASSROOM (9-12)	25	02		CARPET	1958		

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	45,151	530	0	0	0	0	0	0
TOTAL	45,151	530	0	0	0	0	0	0



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT**

**FACILITY: 16-A STRANAHAN SENIOR HIGH**

**BUILDING: 2 - Building Number 00002**

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1958	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
003	2146	370	LOBBY	0	01	CARPET	1958	SATISFACTORY	2	17	16
160	191	823	PUBLIC USE RESTROOM (FEMALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	2	17	16
160A	20	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161	7466	360	AUDITORIUM	0	01	CARPET	1958	SATISFACTORY	2	17	16
161A	20	372	TICKET BOOTH	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161B	63	367	CONTROL BOOTH/PROJECTION ROOM	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161C	20	372	TICKET BOOTH	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161D	24	364	STAGE STORAGE	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161E	24	364	STAGE STORAGE	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161F	2898	363	STAGE	0	01	WOOD	1958	SATISFACTORY	2	17	16
161G	36	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	2	17	16
161H	36	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	2	17	16

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



ID	Room Number	Room Description	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
			Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
161J	700	INSIDE CIRCULATION	0	01						
161K	700	INSIDE CIRCULATION	0	01						
162	822	PUBLIC USE RESTROOM (MALE)	0	01						
162A	331	CUSTODIAL SERVICE CLOSET	0	01						
163	366	STAGE DRESSING ROOM (FEMALE)	0	01						
163A	816	STUDENT RESTROOM (FEMALE)	0	01						
164	702	MECHANICAL ROOM	0	01						
164A	364	STAGE STORAGE	0	01						
165	365	STAGE DRESSING ROOM (MALE)	0	01						
165A	815	STUDENT RESTROOM (MALE)	0	01						
165B	331	CUSTODIAL SERVICE CLOSET	0	01						
166	823	PUBLIC USE RESTROOM (FEMALE)	0	01						
167	822	PUBLIC USE RESTROOM (MALE)	0	01						
200	701	COVERED WALKWAY	0	01						
Permanent			16,199	0	0	0	0	0	0	0
TOTAL			16,199	0	0	0	0	0	0	0

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 3 - Building Number 00003

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1958	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
005	44	700	INSIDE CIRCULATION	0	01	CARPET	1958	SATISFACTORY	3	17	16
170	1116	75	VOCAL MUSIC CLASS (MIDDLE-SR HIGH)	20	01	CARPET	1958	SATISFACTORY	3	17	16
170A	95	808	MATERIAL STORAGE	0	01	CARPET	1958	SATISFACTORY	3	17	16
170B	108	315	TEACHER PLANNING OFFICE	0	01	CARPET	1958	SATISFACTORY	3	17	16
171	34	700	INSIDE CIRCULATION	0	01	CARPET	1958	SATISFACTORY	3	17	16
171A	86	808	MATERIAL STORAGE	0	01	CARPET	1958	SATISFACTORY	3	17	16
172	509	83	MUSIC RELATED SPACE	0	01	CARPET	1958	SATISFACTORY	3	17	16
172A	95	83	MUSIC RELATED SPACE	0	01	COMPOSITION TILE	1958	SATISFACTORY	3	17	16
173	105	315	TEACHER PLANNING OFFICE	0	01	CARPET	1958	SATISFACTORY	3	17	16
173A	139	806	REFERENCE	0	01	CARPET	1958	SATISFACTORY	3	17	16
174	2000	76	BAND CLASS (MIDDLE-SR HIGH)	50	01	CARPET	1958	SATISFACTORY	3	17	16
174A	56	831	MUSIC PRACTICE ROOM	0	01	CARPET	1958	SATISFACTORY	3	17	16

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## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



Item ID	Room Number	Room Description	Area	Year	Condition	Area	Year	Condition
174B	56	831	MUSIC PRACTICE ROOM	0	01	CARPET	1958	SATISFACTORY
174C	56	831	MUSIC PRACTICE ROOM	0	01	CARPET	1958	SATISFACTORY
174D	101	83	MUSIC RELATED SPACE	0	01	CARPET	1958	SATISFACTORY
175	83	703	ELECTRICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY
300	1242	701	COVERED WALKWAY	0	01	CONCRETE	1958	SATISFACTORY

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	5,925	70	0	0	0	0	0	0
TOTAL	5,925	70	0	0	0	0	0	0



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT

**FACILITY:** 16-A STRANAHAN SENIOR HIGH

**BUILDING:** 4 - Building Number 00004

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1951	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1951	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
006	87	700	INSIDE CIRCULATION	0	01	CARPET	1951	SATISFACTORY	4	17	16
181	48	811	OUTSIDE STORAGE	0	01	CONCRETE	1951	SATISFACTORY	4	17	16
182	1136	383	AUDIO VISUAL STORAGE	0	01	CARPET	1951	SATISFACTORY	4	17	16
182A	127	382	PROFESSIONAL LIBRARY	0	01	CARPET	1951	SATISFACTORY	4	17	16
182B	58	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	CARPET	1951	SATISFACTORY	4	17	16
183	860	381	MEDIA TECHNICAL PROCESSING	0	01	CARPET	1951	SATISFACTORY	4	17	16
184	267	384	PERIODICAL STORAGE	0	01	CARPET	1951	SATISFACTORY	4	17	16
185	226	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	CARPET	1951	SATISFACTORY	4	17	16
186	6597	380	LIBRARY (READING ROOM/STACKS)	0	01	CARPET	1951	SATISFACTORY	4	17	16
187	1215	232	SMALL HOME ECONOMICS LAB	20	01	COMPOSITION TILE	1951	SATISFACTORY	4	17	16
187A	168	808	MATERIAL STORAGE	0	01	CARPET	1951	SATISFACTORY	4	17	16

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Item ID	Room Number	Room Name	Count	Material	Year	Condition	Count	Count
188	885	SMALL HOME ECONOMICS LAB	20	01	1951	SATISFACTORY	4	17
188A	80	MATERIAL STORAGE	0	01	1951	SATISFACTORY	4	17
188B	90	VOCATIONAL LAB SUPPORT SPACE	0	01	1951	SATISFACTORY	4	17
188C	28	STAFF RESTROOM (BOTH SEXES)	0	01	1951	SATISFACTORY	4	17
188D	64	VOCATIONAL LAB SUPPORT SPACE	0	01	1951	SATISFACTORY	4	17
188E	64	VOCATIONAL LAB SUPPORT SPACE	0	01	1951	SATISFACTORY	4	17
188F	40	MATERIAL STORAGE	0	01	1951	SATISFACTORY	4	17
188G	679	VOCATIONAL RELATED CLASSROOM	20	01	1951	SATISFACTORY	4	17
190	2025	LARGE HOME ECONOMICS LAB	20	01	1951	SATISFACTORY	4	17
190A	106	MATERIAL STORAGE	0	01	1951	SATISFACTORY	4	17
190B	75	LOCKERS/RESTROOM/SHOWER (ESE/VOC ED)	0	01	1951	SATISFACTORY	4	17
190C	75	LOCKERS/RESTROOM/SHOWER (ESE/VOC ED)	0	01	1951	SATISFACTORY	4	17
191	90	OUTSIDE STORAGE	0	01	1951	SATISFACTORY	4	17
192	1551	MEDIUM HOME ECONOMICS LAB	20	01	1951	SATISFACTORY	4	17
192A	120	MATERIAL STORAGE	0	01	1951	SATISFACTORY	4	17
400	14437	COVERED WALKWAY	0	01	1951	SATISFACTORY	4	17
400A	1014	COVERED WALKWAY	0	01	1951	SATISFACTORY	4	17

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	32,212	100	0	0	0	0	0	0
<b>TOTAL</b>	<b>32,212</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT**

**FACILITY: 16-A STRANAHAN SENIOR HIGH**

**BUILDING: 5 - Building Number 00005**

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1951	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1951	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: DOUBLE INSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
008	2710	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
009	2210	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
201	341	702	MECHANICAL ROOM	0	01	CONCRETE	1951	SATISFACTORY	5	17	16
202	65	331	CUSTODIAL SERVICE CLOSET	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
203	484	702	MECHANICAL ROOM	0	01	CONCRETE	1951	SATISFACTORY	5	17	16
204	434	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	5	17	16
205	1226	212	BUSINESS EDUCATION LAB	20	01	CARPET	1951	SATISFACTORY	5	17	16
205A	182	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
206	951	212	BUSINESS EDUCATION LAB	20	01	CARPET	1951	SATISFACTORY	5	17	16
206A	105	808	MATERIAL STORAGE	0	01	CARPET	1951	SATISFACTORY	5	17	16
208	951	212	BUSINESS EDUCATION LAB	20	01	CARPET	1951	SATISFACTORY	5	17	16
208A	105	808	MATERIAL STORAGE	0	01	CARPET	1951	SATISFACTORY	5	17	16

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



209	1308	212	BUSINESS EDUCATION LAB	20	01	CARPET	1951	SATISFACTORY	5	17	16
209A	100	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	5	17	16
210	491	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	5	17	16
210A	106	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	5	17	16
210B	77	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
213	956	212	BUSINESS EDUCATION LAB	20	01	CARPET	1951	SATISFACTORY	5	17	16
213A	100	808	MATERIAL STORAGE	0	01	CARPET	1951	SATISFACTORY	5	17	16
214	1092	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	5	17	16
215	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	5	17	16
216	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	5	17	16
217	688	61	E S E PART-TIME	15	01	CARPET	1951	SATISFACTORY	5	17	16
218	688	61	E S E PART-TIME	15	01	CARPET	1951	SATISFACTORY	5	17	16
219	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	5	17	16
219A	55	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
220	660	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	5	17	16
221	55	331	CUSTODIAL SERVICE CLOSET	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
222	187	368	TEXTBOOK STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
223	696	12	SENIOR HIGH SKILLS LAB (9-12)	25	01	CARPET	1951	SATISFACTORY	5	17	16
223A	154	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
223B	84	81	RECORDING ROOM	0	01	CARPET	1951	SATISFACTORY	5	17	16
224	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	5	17	16
225	286	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	5	17	16
500	531	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	5	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



500A	4950	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	5	17	16
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	
Permanent	25,812	280	0	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>25,812</b>	<b>280</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT**

**FACILITY: 16-A STRANAHAN SENIOR HIGH**

**BUILDING: 6 - Building Number 00006**

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1951	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1951	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: DOUBLE INSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
010	2700	700	INSIDE CIRCULATION	0	01	TERRAZZO	1951	SATISFACTORY	6	17	16
010A	120	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
011	2200	700	INSIDE CIRCULATION	0	01	TERRAZZO	1951	SATISFACTORY	6	17	16
230	65	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	1951	SATISFACTORY	6	17	16
231	422	332	CUSTODIAL WORK AREA	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
232	252	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
233	1285	52	ART - SENIOR HIGH	24	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
233A	178	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
233B	189	803	INSTRUCTIONAL DARKROOM	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
233D	118	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
233E	37	821	STAFF RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
233F	60	805	KILN	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



233G	84	808	MATERIAL STORAGE	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
234	414	702	MECHANICAL ROOM	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
235	1283	52	ART - SENIOR HIGH	24	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
235A	165	812	PROJECT STORAGE	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
235B	68	705	GALLERY/ART DISPLAY	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
235C	173	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
236	846	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
238	821	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
240	712	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
242	340	310	SCHOOL STORE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
243	16	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	1951	SATISFACTORY	6	17	16
244	116	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
245	1203	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	QUARRY TILE	1951	SATISFACTORY	6	17	16
246	1052	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
247	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
248	1052	251	PRACTICAL HEALTH LAB	20	01	CARPET	1951	SATISFACTORY	6	17	16
248A	90	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	6	17	16
248B	152	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
249	252	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
250	212	310	SCHOOL STORE	0	01	COMPOSITION TILE	1951	SATISFACTORY	6	17	16
250A	286	331	CUSTODIAL SERVICE CLOSET	0	01	TERRAZO	1951	SATISFACTORY	6	17	16
251	203	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	6	17	16
251A	63	820	STAFF RESTROOM (FEMALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16
251B	66	819	STAFF RESTROOM (MALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	6	17	16

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## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



Item ID	Room No.	Description	Area	Code	Material	Year	Area	Code	Material	Year	
252	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
253	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1951	SATISFACTORY	6	17	16
254	173	334	CUSTODIAL EQUIPMENT STORAGE	0	01	CONCRETE	1951	SATISFACTORY	6	17	16
254A	118	334	CUSTODIAL EQUIPMENT STORAGE	0	01	CONCRETE	1951	SATISFACTORY	6	17	16
600	500	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	6	17	16
600A	450	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	6	17	16
600B	120	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	6	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	20,744	268	0	0	0	0	0	0
<b>TOTAL</b>	<b>20,744</b>	<b>268</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 7 - Building Number 00007

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1951	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1951	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: DOUBLE INSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
012	2200	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16
013	2700	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16
260	49	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	1951	SATISFACTORY	7	17	16
261	274	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	7	17	16
261A	22	331	CUSTODIAL SERVICE CLOSET	0	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16
262	414	702	MECHANICAL ROOM	0	01	CONCRETE	1951	SATISFACTORY	7	17	16
263	1141	221	PRACTICAL DISTRIBUTIVE LAB	24	01	CARPET	1951	SATISFACTORY	7	17	16
263A	117	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	7	17	16
263B	141	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16
263C	50	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16
266	940	221	PRACTICAL DISTRIBUTIVE LAB	24	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16
266A	78	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	7	17	16

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Item ID	Room Number	Room Name	Area	Count	Material	Year	Condition	Scheduled For Replacement		
								Square Feet	Student Stations	
268	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
268A	278	315	TEACHER PLANNING OFFICE	0	01	1951	SATISFACTORY	7	17	
269	850	221	PRACTICAL DISTRIBUTIVE LAB	24	01	1951	SATISFACTORY	7	17	
269A	117	315	TEACHER PLANNING OFFICE	0	01	1951	SATISFACTORY	7	17	
269B	100	808	MATERIAL STORAGE	0	01	1951	SATISFACTORY	7	17	
269C	21	705	GALLERY/ART DISPLAY	0	01	1951	SATISFACTORY	7	17	
272	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
273	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
274	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
275	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
276	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
277	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
278	304	815	STUDENT RESTROOM (MALE)	0	01	1951	SATISFACTORY	7	17	
279	352	315	TEACHER PLANNING OFFICE	0	01	1951	SATISFACTORY	7	17	
280	242	308	GENERAL SCHOOL STORAGE	0	01	1951	SATISFACTORY	7	17	
281	242	810	MATERIAL STORAGE (LARGE)	0	01	1951	SATISFACTORY	7	17	
282	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
283	696	3	SENIOR HIGH CLASSROOM (9-12)	25	01	1951	SATISFACTORY	7	17	
									Failed Standards	
			Square Feet	Student Stations			Square Feet	Student Stations		
Permanent	17,050		297	0	0	0	0	0	0	0
TOTAL	17,050		297	0	0	0	0	0	0	0

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 8 - Building Number 00008

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: NONE	Heat Source: NONE
Year Constructed: 1971	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: NO HEAT PROVIDED
Year Modified:	Educational TV: NONE	Heat Capacity: NONE
Average Age NSF: 1971	Intercom: NONE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
290	1479	702	MECHANICAL ROOM	0	01	CONCRETE	1971	SATISFACTORY	8	17	16
291	196	703	ELECTRICAL ROOM	0	01	CONCRETE	1971	SATISFACTORY	8	17	16
292	368	703	ELECTRICAL ROOM	0	01	CONCRETE	1971	SATISFACTORY	8	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	2,043	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,043</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT**  
**FACILITY: 16-A STRANAHAN SENIOR HIGH**  
**BUILDING: 9 - Building Number 00009**

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1951	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1951	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
301	1288	241	SMALL TECHNOLOGY LAB	24	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
301B	203	810	MATERIAL STORAGE (LARGE)	0	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
302	1288	708	JROTC	30	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
302A	172	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
303	261	315	TEACHER PLANNING OFFICE	0	01	CARPET	1951	SATISFACTORY	9	17	16
304	65	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	9	17	16
305	233	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1951	SATISFACTORY	9	17	16
305A	27	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
306	1845	245	MEDIUM INDUSTRIAL LAB	20	01	CONCRETE	1951	SATISFACTORY	9	17	16
306A	52	821	STAFF RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1951	SATISFACTORY	9	17	16
306B	508	840	VOCATIONAL RELATED CLASSROOM	0	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
306C	135	808	MATERIAL STORAGE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Item ID	Room Number	Description	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
306D	808	MATERIAL STORAGE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
306E	808	MATERIAL STORAGE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
306F	272	VOCATIONAL LAB SUPPORT SPACE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
307	241	SMALL TECHNOLOGY LAB	24	01	CONCRETE	1951	SATISFACTORY	9	17	16
307A	272	VOCATIONAL LAB SUPPORT SPACE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
307B	272	VOCATIONAL LAB SUPPORT SPACE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
307C	808	MATERIAL STORAGE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
307D	332	CUSTODIAL WORK AREA	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
308	241	SMALL TECHNOLOGY LAB	24	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
308A	810	MATERIAL STORAGE (LARGE)	0	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
308B	702	MECHANICAL ROOM	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
308C	803	INSTRUCTIONAL DARKROOM	0	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
308D	803	INSTRUCTIONAL DARKROOM	0	01	COMPOSITION TILE	1951	SATISFACTORY	9	17	16
308E	808	MATERIAL STORAGE	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
400B	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	9	17	16
400C	701	COVERED WALKWAY	0	01	CONCRETE	1951	SATISFACTORY	9	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	13,654	122	0	0	0	0	0	0
<b>TOTAL</b>	<b>13,654</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 10 - Building Number 00010

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1971	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1971	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: CONCRETE
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
310	2084	110	P E MULTIPURPOSE ROOM (MIDDLE-SR HIGH)	0	01	COMPOSITION TILE	1971	SATISFACTORY	10	17	16
311	2160	119	P E GYMNASTICS & DANCE	0	01	COMPOSITION TILE	1971	SATISFACTORY	10	17	16
312	2084	118	P E WRESTLING ROOM	0	01	COMPOSITION TILE	1971	SATISFACTORY	10	17	16
313	880	98	P E STORAGE (MIDDLE-SR HIGH)	0	01	CONCRETE	1971	SATISFACTORY	10	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	7,208	0	0	0				
<b>TOTAL</b>	<b>7,208</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 11 - Building Number 00011

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: NONE
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: NO HEAT PROVIDED
Year Modified:	Educational TV: NONE	Heat Capacity: NONE
Average Age NSF: 1958	Intercom: NONE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
320	126	816	STUDENT RESTROOM (FEMALE)	0	01	QUARRY TILE	1958	SATISFACTORY	11	17	16
321	126	815	STUDENT RESTROOM (MALE)	0	01	QUARRY TILE	1958	SATISFACTORY	11	17	16
321A	20	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	11	17	16
322	266	332	CUSTODIAL WORK AREA	0	01	CONCRETE	1958	SATISFACTORY	11	17	16
322A	25	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	1958	SATISFACTORY	11	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	563	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>563</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 12 - Building Number 00012

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1958	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
330	117	371	CONCESSIONS	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
331	3000	340	DINING AREA	0	01	COMPOSITION TILE	1958	SATISFACTORY	12	17	16
331A	200	349	KITCHEN CHAIR STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	12	17	16
332	3028	341	KITCHEN & SERVING AREA	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332A	108	350	OTHER FOOD SERVICE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332B	210	345	KITCHEN NONFOOD STORAGE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332C	186	342	KITCHEN DRY STORAGE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332D	238	343	KITCHEN OFFICE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332E	273	350	OTHER FOOD SERVICE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332G	190	350	OTHER FOOD SERVICE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16
332H	89	821	STAFF RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1958	SATISFACTORY	12	17	16
332J	318	342	KITCHEN DRY STORAGE	0	01	QUARRY TILE	1958	SATISFACTORY	12	17	16

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## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



Item ID	Room Number	Room Description	Count	Code	Material	Year	Count	Code	Material	Year
332K	190	344	KITCHEN GARBAGE WASH	0	01	QUARRY TILE	1958	SATISFACTORY	12	17
332L	90	703	ELECTRICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	12	17
332M	205	316	TEACHER LOUNGE/DINING	0	01	COMPOSITION TILE	1958	SATISFACTORY	12	17
332N	96	850	VOCATIONAL TOOL STORAGE (SMALL)	0	01	QUARRY TILE	1958	SATISFACTORY	12	17
333	3000	340	DINING AREA	0	01	COMPOSITION TILE	1958	SATISFACTORY	12	17
333A	200	349	KITCHEN CHAIR STORAGE	0	01	COMPOSITION TILE	1958	SATISFACTORY	12	17
334	205	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	12	17

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	11,943	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>11,943</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 13 - Building Number 00013

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1951	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1951	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
340	728	93	P E LOCKER ROOM (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
340A	138	315	TEACHER PLANNING OFFICE	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
340B	134	98	P E STORAGE (MIDDLE-SR HIGH)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
340C	160	816	STUDENT RESTROOM (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
340D	428	93	P E LOCKER ROOM (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341	1092	93	P E LOCKER ROOM (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341A	90	315	TEACHER PLANNING OFFICE	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341B	56	100	P E TEACHERS SHOWER (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341C	54	816	STUDENT RESTROOM (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341D	160	816	STUDENT RESTROOM (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341E	198	95	P E SHOWER (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16
341F	538	95	P E SHOWER (FEMALE)	0	01	QUARRY TILE	1951	SATISFACTORY	13	17	16

**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**  
**FACILITY INVENTORY REPORT**



342	136	702	MECHANICAL ROOM	0	01	CONCRETE	1951	SATISFACTORY	13	17	16
				Unsatisfactory		Failed Standards		Scheduled For Replacement			
		Satisfactory		Square Feet		Student Stations		Square Feet		Student Stations	
Permanent			0		0		0				
TOTAL			3,912		0		0		0		0

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT: 6 BROWARD COUNTY SCHOOL DISTRICT**  
**FACILITY: 16-A STRANAHAN SENIOR HIGH**  
**BUILDING: 14 - Building Number 00014**

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1958	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
350	186	114	P E LAUNDRY	0	01	CONCRETE	1958	SATISFACTORY	14	17	16
351	1289	92	P E LOCKER ROOM (MALE)	0	01	QUARRY TILE	1958	SATISFACTORY	14	17	16
351A	196	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1958	SATISFACTORY	14	17	16
351B	55	819	STAFF RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	14	17	16
351C	748	98	P E STORAGE (MIDDLE-SR HIGH)	0	01	QUARRY TILE	1958	SATISFACTORY	14	17	16
351D	159	98	P E STORAGE (MIDDLE-SR HIGH)	0	01	QUARRY TILE	1958	SATISFACTORY	14	17	16
351E	57	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	14	17	16
351F	127	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	14	17	16
351G	324	92	P E LOCKER ROOM (MALE)	0	01	QUARRY TILE	1958	SATISFACTORY	14	17	16
352	384	702	MECHANICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	14	17	16
353	25	98	P E STORAGE (MIDDLE-SR HIGH)	0	01	QUARRY TILE	1958	SATISFACTORY	14	17	16
354	1345	92	P E LOCKER ROOM (MALE)	0	01	QUARRY TILE	1958	SATISFACTORY	14	17	16

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## FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



Item ID	Room Name	Area	Condition	Year	Notes	Count	Area	Count	Area
354A	P E SHOWER (MALE)	94		1958		0	01	14	16
354B	STUDENT RESTROOM (MALE)	815		1958		0	01	14	16
354C	P E STORAGE (MIDDLE-SR HIGH)	98		1958		0	01	14	16
354D	P E STORAGE (MIDDLE-SR HIGH)	98		1958		0	01	14	16
354E	TEACHER PLANNING OFFICE	315		1958		0	01	14	16
354F	P E TEACHERS SHOWER (MALE)	99		1958		0	01	14	16
700	COVERED WALKWAY	701		1958		0	01	14	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	10,485	0	0	0	0	0	0	0
TOTAL	10,485	0	0	0	0	0	0	0

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 15 - Building Number 00015

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1958	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
360	76	703	ELECTRICAL ROOM	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
361	189	120	GYMNASIUM STORAGE	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
361A	189	120	GYMNASIUM STORAGE	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
362	11446	112	SR HIGH GYMNASIUM	70	01	WOOD	1958	SATISFACTORY	15	17	16
363	429	120	GYMNASIUM STORAGE	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
364	296	120	GYMNASIUM STORAGE	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
364A	153	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1958	SATISFACTORY	15	17	16
365	74	372	TICKET BOOTH	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
366	348	823	PUBLIC USE RESTROOM (FEMALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	15	17	16
367A	229	371	CONCESSIONS	0	01	TERRAZZO	1958	SATISFACTORY	15	17	16
368	348	822	PUBLIC USE RESTROOM (MALE)	0	01	CERAMIC TILE	1958	SATISFACTORY	15	17	16
369	74	372	TICKET BOOTH	0	01	CONCRETE	1958	SATISFACTORY	15	17	16

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



700A	3200	701	COVERED WALKWAY	0	01	CONCRETE	1958	SATISFACTORY	15	17	16
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	
Permanent	17,051	70	0	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>17,051</b>	<b>70</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 16 - Building Number 00016

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: NONE
Year Constructed: 1963	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: NO HEAT PROVIDED
Year Modified:	Educational TV: NONE	Heat Capacity: NONE
Average Age NSF: 1963	Interroom: NONE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
370	226	702	MECHANICAL ROOM	0	01	CONCRETE	1963	SATISFACTORY	16	17	16
371	107	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1963	SATISFACTORY	16	17	16
372	120	702	MECHANICAL ROOM	0	01	CONCRETE	1963	SATISFACTORY	16	17	16
373	25	702	MECHANICAL ROOM	0	01	CONCRETE	1963	SATISFACTORY	16	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	478	0	0	0	0	0	0	0
TOTAL	478	0	0	0	0	0	0	0



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 17 - Building Number 00017

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: INDIVIDUAL UNITS
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1984	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: INDIVIDUAL UNIT REVERSE CYCLE
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1984	Intercom: TWO WAY COMPLETE	Walls: OTHER
Relocatable Units: 0	Telephone: NONE	Struct Comp: STEEL
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
601	878	201	PRACTICAL AGRICULTURE LAB	20	01	CONCRETE	1984	SATISFACTORY	17	17	16
601A	692	840	VOCATIONAL RELATED CLASSROOM	0	01	COMPOSITION TILE	1984	SATISFACTORY	17	17	16
601B	100	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1984	SATISFACTORY	17	17	16
601C	100	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1984	SATISFACTORY	17	17	16
601D	350	272	VOCATIONAL LAB SUPPORT SPACE	0	01	CONCRETE	1984	SATISFACTORY	17	17	16
601E	196	850	VOCATIONAL TOOL STORAGE (SMALL)	0	01	CONCRETE	1984	SATISFACTORY	17	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	2,316	20	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,316</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 18 - Building Number 00018

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: NONE
Year Constructed: 1976	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: NO HEAT PROVIDED
Year Modified:	Educational TV: NONE	Heat Capacity: NONE
Average Age NSF: 1976	Intercom: NONE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: CONCRETE
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
1801	300	334	CUSTODIAL EQUIPMENT STORAGE	0	01	CONCRETE	1976	SATISFACTORY	18	17	16
1802	62	333	FLAMMABLE STORAGE	0	01	CONCRETE	1976	SATISFACTORY	18	17	16
1803	98	333	FLAMMABLE STORAGE	0	01	CONCRETE	1976	SATISFACTORY	18	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	460	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>460</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 20 - Building Number 00020

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1995	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1995	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
014	540	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
015	670	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
050	741	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
050A	254	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
501	147	702	MECHANICAL ROOM	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
502	47	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
503	47	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
504	37	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
505	458	315	TEACHER PLANNING OFFICE	0	01	CARPET	1995	SATISFACTORY	20	17	16
505A	99	315	TEACHER PLANNING OFFICE	0	01	CARPET	1995	SATISFACTORY	20	17	16
505B	123	306	CONFERENCE ROOM	0	01	CARPET	1995	SATISFACTORY	20	17	16
506	32	703	ELECTRICAL ROOM	0	01	CONCRETE	1995	SATISFACTORY	20	17	16

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



507	198	368	TEXTBOOK STORAGE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508	1865	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508A	100	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508B	100	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508C	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508D	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508E	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508F	576	40	RESOURCE ROOM	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508G	576	40	RESOURCE ROOM	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508H	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508J	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
508K	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
510	280	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
511	28	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
512	280	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
519	54	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
550	152	703	ELECTRICAL ROOM	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
551	350	702	MECHANICAL ROOM	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
552	1539	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
553	1538	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
554	1736	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
554A	205	810	MATERIAL STORAGE (LARGE)	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
554B	200	810	MATERIAL STORAGE (LARGE)	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
554C	440	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



554D	120	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
554E	177	306	CONFERENCE ROOM	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
554F	110	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
555	1539	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
556	205	332	CUSTODIAL WORK AREA	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
557	240	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
558	240	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
559	1539	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
561	2574	243	LARGE TECHNOLOGY LAB	23	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
561A	403	272	VOCATIONAL LAB SUPPORT SPACE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
561B	100	808	MATERIAL STORAGE	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
562	548	40	RESOURCE ROOM	0	01	COMPOSITION TILE	1995	SATISFACTORY	20	17	16
563	51	820	STAFF RESTROOM (FEMALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
564	51	819	STAFF RESTROOM (MALE)	0	01	CERAMIC TILE	1995	SATISFACTORY	20	17	16
700	2450	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
800	1062	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
800A	2310	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
800B	2450	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
800C	3744	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
800D	1050	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16

**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**  
**FACILITY INVENTORY REPORT**



800E	2040	701	COVERED WALKWAY	0	01	CONCRETE	1995	SATISFACTORY	20	17	16
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	
Permanent	45,615	273	0	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>45,615</b>	<b>273</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 21 - Building Number 00021

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 1995	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE TRANSMITTER/RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 1995	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: SINGLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
021	50	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
022	100	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
530	300	304	RECEPTION AREA	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
531	308	306	CONFERENCE ROOM	0	01	CARPET	1995	SATISFACTORY	21	17	16
532	40	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
533	160	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
534	250	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
535	36	821	STAFF RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1995	SATISFACTORY	21	17	16
536	15	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
537	28	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	1995	SATISFACTORY	21	17	16
538	55	305	PRODUCTION WORKROOM	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



539	170	307	CLINIC	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
539A	42	814	STUDENT RESTROOM (BOTH SEXES)	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
540	170	307	CLINIC	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
540A	42	814	STUDENT RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1995	SATISFACTORY	21	17	16
541	125	301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
541A	36	308	GENERAL SCHOOL STORAGE	0	01	COMPOSITION TILE	1995	SATISFACTORY	21	17	16
542	46	821	STAFF RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	1995	SATISFACTORY	21	17	16
543	42	702	MECHANICAL ROOM	0	01	CONCRETE	1995	SATISFACTORY	21	17	16
544	33	703	ELECTRICAL ROOM	0	01	CONCRETE	1995	SATISFACTORY	21	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	2,048	0	0	0	0	0	0	0
TOTAL	2,048	0	0	0	0	0	0	0

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 22 - Building Number 00022

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: NONE
Year Constructed: 1985	Artificial Lighting: NONE	Heat Distribution: NO HEAT PROVIDED
Year Modified:	Educational TV: NONE	Heat Capacity: NONE
Average Age NSF: 1985	Intercom: NONE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
420	400	333	FLAMMABLE STORAGE	0	01	CONCRETE	1985	SATISFACTORY	22	17	16
420A	200	333	FLAMMABLE STORAGE	0	01	CONCRETE	1985	SATISFACTORY	22	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	600	0	0	0	0	0	0	0
TOTAL	600	0	0	0	0	0	0	0

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 23 - Building Number 00023

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 2000	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: CLOSED CIRCUIT	Heat Capacity: ADEQUATE
Average Age NSF: 2000	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: DOUBLE OUTSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
023	433	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16
500D	1211	701	COVERED WALKWAY	0	01	CONCRETE	2000	SATISFACTORY	23	17	16
500E	810	701	COVERED WALKWAY	0	01	CONCRETE	2000	SATISFACTORY	23	17	16
500F	800	701	COVERED WALKWAY	0	01	CONCRETE	2000	SATISFACTORY	23	17	16
500G	810	701	COVERED WALKWAY	0	01	CONCRETE	2000	SATISFACTORY	23	17	16
570	196	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	2000	SATISFACTORY	23	17	16
571	196	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	2000	SATISFACTORY	23	17	16
572	810	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16
572A	157	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16
572B	98	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16
573	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Item ID	Room No.	Room Name	Area	Code	Material	Year	Condition	Area	Code	Material	Year	Condition
574	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16	16
575	1560	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16	16
576	1530	23	SENIOR HIGH SCIENCE LAB (9-12)	25	01	COMPOSITION TILE	2000	SATISFACTORY	23	17	16	16
577	282	702	MECHANICAL ROOM	0	01	CONCRETE	2000	SATISFACTORY	23	17	16	16
578	116	703	ELECTRICAL ROOM	0	01	CONCRETE	2000	SATISFACTORY	23	17	16	16
579	70	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	2000	SATISFACTORY	23	17	16	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	12,139	100	0	0	0	0	0	0
TOTAL	12,139	100	0	0	0	0	0	0

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 24 - Building Number 00024

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 2001	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: CLOSED CIRCUIT	Heat Capacity: ADEQUATE
Average Age NSF: 2001	Intercom: TWO WAY COMPLETE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
296	780	201	PRACTICAL AGRICULTURE LAB	20	01	CONCRETE	2001	SATISFACTORY	24	17	16
296A	156	272	VOCATIONAL LAB SUPPORT SPACE	0	01	CONCRETE	2001	SATISFACTORY	24	17	16
296B	15	331	CUSTODIAL SERVICE CLOSET	0	01	CONCRETE	2001	SATISFACTORY	24	17	16
297	1025	272	VOCATIONAL LAB SUPPORT SPACE	0	01	COMPOSITION TILE	2001	SATISFACTORY	24	17	16
297A	122	272	VOCATIONAL LAB SUPPORT SPACE	0	01	COMPOSITION TILE	2001	SATISFACTORY	24	17	16
297B	112	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	2001	SATISFACTORY	24	17	16
297C	40	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	2001	SATISFACTORY	24	17	16
297D	40	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	2001	SATISFACTORY	24	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	2,290	20	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,290</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 25 - Building Number 00025

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: CENTRAL
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 2001	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: NONE	Heat Capacity: ADEQUATE
Average Age NSF: 2001	Intercom: NONE	Walls: STUCCO
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
295	832	811	OUTSIDE STORAGE	0	01	CONCRETE	2001	SATISFACTORY	25	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	832	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>832</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 26 - Building Number 00026

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: INDIVIDUAL UNITS
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 2004	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: INDIVIDUAL UNIT REVERSE CYCLE
Year Modified:	Educational TV: FIXED SERVICE RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 2004	Intercom: TWO WAY COMPLETE	Walls: CONCRETE
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: CONCRETE
Stories: 1		Corridor: DOUBLE INSIDE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
026	2295	700	INSIDE CIRCULATION	0	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2600	957	701	COVERED WALKWAY	0	01	CONCRETE	2004	SATISFACTORY	26	17	16
2601	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2602	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2603	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2604	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2605	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2606	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2607	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2608	53	707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2609	235	816	STUDENT RESTROOM (FEMALE)	0	01	CERAMIC TILE	2004	SATISFACTORY	26	17	16



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



2610	235	815	STUDENT RESTROOM (MALE)	0	01	CERAMIC TILE	2004	SATISFACTORY	26	17	16
2611	50	331	CUSTODIAL SERVICE CLOSET	0	01	CERAMIC TILE	2004	SATISFACTORY	26	17	16
2612	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2613	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2614	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2615	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2616	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2617	850	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2004	SATISFACTORY	26	17	16
2618	87	703	ELECTRICAL ROOM	0	01	CONCRETE	2004	SATISFACTORY	26	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	14,962	325	0	0	0	0	0	0
<b>TOTAL</b>	<b>14,962</b>	<b>325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 27

Owner: SCHOOL BOARD	Light: NONE	Cooling: NONE
Use: SENIOR HIGH	Mech Vent: NONE	Heat Source: NONE
Year Constructed: 2000	Artificial Lighting: NONE	Heat Distribution: NO HEAT PROVIDED
Year Modified:	Educational TV: NONE	Heat Capacity: NONE
Average Age NSF: 2000	Intercom: NONE	Walls: COMBINATION OF 1-5
Relocatable Units: 0	Telephone: NONE	Struct Comp: COMBINATION OF 1-3
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
2701	2925	351	MIDDLE/SR HIGH COVERED PATIO	0	01	CONCRETE	2000	SATISFACTORY	27	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	2,925	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,925</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 85 - Building Number 00085

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: INDIVIDUAL UNITS
Use: SENIOR HIGH	Mech Vent: ADEQUATE	Heat Source: ELECTRIC
Year Constructed: 2002	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: CENTRAL HOT AIR
Year Modified:	Educational TV: FIXED SERVICE RECEIVER	Heat Capacity: ADEQUATE
Average Age NSF: 2002	Intercom: TWO WAY COMPLETE	Walls: CONCRETE
Relocatable Units: 0	Telephone: PARTIAL SYSTEM	Struct Comp: CONCRETE
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
850	835	3	SENIOR HIGH CLASSROOM (9-12)	25	01	COMPOSITION TILE	2002	SATISFACTORY	85	17	16
850A	49	814	STUDENT RESTROOM (BOTH SEXES)	0	01	CERAMIC TILE	2002	SATISFACTORY	85	17	16
850B	125	315	TEACHER PLANNING OFFICE	0	01	COMPOSITION TILE	2002	SATISFACTORY	85	17	16

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Permanent	1,009	25	0	0	0	0	0	0
<b>TOTAL</b>	<b>1,009</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



**DISTRICT:** 6 BROWARD COUNTY SCHOOL DISTRICT  
**FACILITY:** 16-A STRANAHAN SENIOR HIGH  
**BUILDING:** 99 - Building Number 00099

Owner: SCHOOL BOARD	Light: ADEQUATE	Cooling: INDIVIDUAL UNITS
Use: SENIOR HIGH	Mech Vent: NONE	Heat Source: ELECTRIC
Year Constructed: 1958	Artificial Lighting: SHIELDED FLORESCENT	Heat Distribution: INDIVIDUAL UNIT REVERSE CYCLE
Year Modified:	Educational TV: NONE	Heat Capacity: ADEQUATE
Average Age NSF: 1979	Intercom: TWO WAY COMPLETE	Walls: RELOCATABLE
Relocatable Units: 9	Telephone: NONE	Struct Comp: RELOCATABLE
Stories: 1		Corridor: NONE

ROOM	NET SQ FT	DESIGN CODE	DESCRIPTION	STU STA	FLR LOC	FLOOR COVER	YEAR CONST	CONDITION	BLDG	PAR	FAC
017N	792	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1968	UNSATISFACTORY	99	17	16
021	640	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1958	UNSATISFACTORY	99	17	16
052	640	406	ASSISTANT SUPERINTENDENTS OFFICE	0	01	CARPET	1958	UNSATISFACTORY	99	17	16
23PD	1012	340	DINING AREA	0	01	COMPOSITION TILE	1986	SATISFACTORY	99	17	16
24PD	1012	340	DINING AREA	0	01	COMPOSITION TILE	1986	SATISFACTORY	99	17	16
323C	792	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1987	UNSATISFACTORY	99	17	16
324C	792	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1987	UNSATISFACTORY	99	17	16
426C	792	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1987	UNSATISFACTORY	99	17	16



**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**  
**FACILITY INVENTORY REPORT**

740C	792	3	SENIOR HIGH CLASSROOM (9-12)	25	01	CARPET	1989	UNSATISFACTORY	99	17	16
------	-----	---	------------------------------	----	----	--------	------	----------------	----	----	----

	Satisfactory		Unsatisfactory		Failed Standards		Scheduled For Replacement	
	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations	Square Feet	Student Stations
Relocatable	2,024	0	5,240	150	0	0	0	0
<b>TOTAL</b>	<b>2,024</b>	<b>0</b>	<b>5,240</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH) FACILITY INVENTORY REPORT



**STUDENT STATIONS BY DESIGN CODE FOR:  
FACILITY: STRANAHAN SENIOR HIGH**

Design Code	Design Code Description	Satis Stu Sta			Unsat Stu Sta			Sat Tot	Unsat Tot	Satis Rooms			Unsat Rooms			Fail Std Stu Sta		Repl Rooms	
		Perm	Mod	Relo	Perm	Mod	Relo			Perm	Mod	Relo	Perm	Mod	Relo	Fail Std Rooms	Repl Rooms	Fail Std Rooms	Repl Rooms
00003	SENIOR HIGH CLASSROOM (9-12)	1375	0	0	0	0	1375	150	55	0	0	0	0	0	0	0	0	0	
00012	SENIOR HIGH SKILLS LAB (9-12)	25	0	0	0	0	25	0	1	0	0	0	0	0	0	0	0	0	
00023	SENIOR HIGH SCIENCE LAB (9-12)	375	0	0	0	0	375	0	15	0	0	0	0	0	0	0	0	0	
00040	RESOURCE ROOM	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	
00052	ART - SENIOR HIGH	48	0	0	0	0	48	0	2	0	0	0	0	0	0	0	0	0	
00061	E S E PART-TIME	60	0	0	0	0	60	0	4	0	0	0	0	0	0	0	0	0	
00075	VOCAL MUSIC CLASS (MIDDLE-SR HIGH)	20	0	0	0	0	20	0	1	0	0	0	0	0	0	0	0	0	
00076	BAND CLASS (MIDDLE-SR HIGH)	50	0	0	0	0	50	0	1	0	0	0	0	0	0	0	0	0	
00081	RECORDING ROOM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00083	MUSIC RELATED SPACE	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	
00092	P E LOCKER ROOM (MALE)	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	
00093	P E LOCKER ROOM (FEMALE)	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	
00094	P E SHOWER (MALE)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00095	P E SHOWER (FEMALE)	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	
00098	P E STORAGE (MIDDLE-SR HIGH)	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	
00099	P E TEACHERS SHOWER (MALE)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00100	P E TEACHERS SHOWER (FEMALE)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00110	P E MULTIPURPOSE ROOM (MIDDLE-SR HIGH)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00112	SR HIGH GYMNASIUM	70	0	0	0	0	70	0	1	0	0	0	0	0	0	0	0	0	
00114	P E LAUNDRY	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00118	P E WRESTLING ROOM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00119	P E GYMNASTICS & DANCE	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
00120	GYMNASIUM STORAGE	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	
00201	PRACTICAL AGRICULTURE LAB	40	0	0	0	0	40	0	2	0	0	0	0	0	0	0	0	0	

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# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Design Code	Design Code Description	Satis Stu Sta			Unsat Stu Sta			Sat Tot	Unsat Tot	Satis Rooms			Unsat Rooms			Fail Std Stu Sta	Repl Stu Sta	Fail Std Rooms	Repl Rooms
		Perm	Mod	Relo	Perm	Mod	Relo			Perm	Mod	Relo	Perm	Mod	Relo				
00212	BUSINESS EDUCATION LAB	100	0	0	0	0	0	100	0	5	0	0	0	0	0	0	0	0	
00221	PRACTICAL DISTRIBUTIVE LAB	72	0	0	0	0	0	72	0	3	0	0	0	0	0	0	0	0	
00232	SMALL HOME ECONOMICS LAB	40	0	0	0	0	0	40	0	2	0	0	0	0	0	0	0	0	
00233	MEDIUM HOME ECONOMICS LAB	20	0	0	0	0	0	20	0	1	0	0	0	0	0	0	0	0	
00234	LARGE HOME ECONOMICS LAB	20	0	0	0	0	0	20	0	1	0	0	0	0	0	0	0	0	
00241	SMALL TECHNOLOGY LAB	72	0	0	0	0	0	72	0	3	0	0	0	0	0	0	0	0	
00243	LARGE TECHNOLOGY LAB	23	0	0	0	0	0	23	0	1	0	0	0	0	0	0	0	0	
00245	MEDIUM INDUSTRIAL LAB	20	0	0	0	0	0	20	0	1	0	0	0	0	0	0	0	0	
00251	PRACTICAL HEALTH LAB	20	0	0	0	0	0	20	0	1	0	0	0	0	0	0	0	0	
00272	VOCATIONAL LAB SUPPORT SPACE	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	
00300	PRINCIPAL/DIRECTOR OFFICE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00301	ASSISTANT PRINCIPAL/OTHER OFFICE	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	
00302	BOOKKEEPING OFFICE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00303	SECRETARIAL SPACE	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
00304	RECEPTION AREA	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00305	PRODUCTION WORKROOM	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00306	CONFERENCE ROOM	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	
00307	CLINIC	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00308	GENERAL SCHOOL STORAGE	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	
00309	VAULT/STUDENT RECORDS	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
00310	SCHOOL STORE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00312	COMPUTER AREA	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00313	CAREERS ROOM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00314	ITINERANT OFFICE	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00315	TEACHER PLANNING OFFICE	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	
00316	TEACHER LOUNGE/DINING	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	



**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**  
**FACILITY INVENTORY REPORT**



Design Code	Design Code Description	Satis Stu Sta			Unsat Stu Sta			Sat Tot	Unsat Tot	Satis Rooms			Unsat Rooms			Fail Std Stu Sta	Repl Stu Sta	Fail Std Rooms	Repl Rooms
		Perm	Mod	Relo	Perm	Mod	Relo			Perm	Mod	Relo	Perm	Mod	Relo				
00331	CUSTODIAL SERVICE CLOSET	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	
00332	CUSTODIAL WORK AREA	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
00333	FLAMMABLE STORAGE	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
00334	CUSTODIAL EQUIPMENT STORAGE	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00340	DINING AREA	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00341	KITCHEN & SERVING AREA	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00342	KITCHEN DRY STORAGE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00343	KITCHEN OFFICE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00344	KITCHEN GARBAGE WASH	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00345	KITCHEN NONFOOD STORAGE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00349	KITCHEN CHAIR STORAGE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00350	OTHER FOOD SERVICE	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00351	MIDDLE/SR HIGH COVERED PATIO	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00360	AUDITORIUM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00363	STAGE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00364	STAGE STORAGE	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00365	STAGE DRESSING ROOM (MALE)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00366	STAGE DRESSING ROOM (FEMALE)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00367	CONTROL BOOTH/PROJECTION ROOM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00368	TEXTBOOK STORAGE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00370	LOBBY	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00371	CONCESSIONS	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00372	TICKET BOOTH	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
00380	LIBRARY (READING ROOM/STACKS)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00381	MEDIA TECHNICAL PROCESSING	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00382	PROFESSIONAL LIBRARY	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	

# FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)

## FACILITY INVENTORY REPORT



Design Code	Design Code Description	Satis Stu Sta			Unsat Stu Sta			Sat Tot	Unsat Tot	Satis Rooms			Unsat Rooms			Fail Std Stu Sta	Repl Stu Sta	Fail Std Rooms	Repl Rooms
		Perm	Mod	Relo	Perm	Mod	Relo			Perm	Mod	Relo	Perm	Mod	Relo				
00383	AUDIO VISUAL STORAGE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00384	PERIODICAL STORAGE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00406	ASSISTANT SUPERINTENDENTS OFFICE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
00700	INSIDE CIRCULATION	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	
00701	COVERED WALKWAY	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	
00702	MECHANICAL ROOM	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	
00703	ELECTRICAL ROOM	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	
00705	GALLERY/ART DISPLAY	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00707	TELEPHONE EQUIPMENT/COMMUNICATION CLOSET	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	
00708	JROTC	30	0	0	0	0	0	30	0	1	0	0	0	0	0	0	0	0	
00803	INSTRUCTIONAL DARKROOM	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00805	K/IN	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00806	REFERENCE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00808	MATERIAL STORAGE	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	
00810	MATERIAL STORAGE (LARGE)	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	
00811	OUTSIDE STORAGE	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00812	PROJECT STORAGE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00814	STUDENT RESTROOM (BOTH SEXES)	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00815	STUDENT RESTROOM (MALE)	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	
00816	STUDENT RESTROOM (FEMALE)	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	
00818	LOCKERS/RESTROOM/SHOWER (ESE/VOC ED)	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
00819	STAFF RESTROOM (MALE)	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
00820	STAFF RESTROOM (FEMALE)	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00821	STAFF RESTROOM (BOTH SEXES)	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	
00822	PUBLIC USE RESTROOM (MALE)	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00823	PUBLIC USE RESTROOM (FEMALE)	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	

**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)  
FACILITY INVENTORY REPORT**



Design Code	Design Code Description	Satis Stu Sta			Unsat Stu Sta			Sat Tot	Unsat Tot	Satis Rooms			Unsat Rooms			Fail Std Stu Sta	Repl Stu Sta	Fail Std Rooms	Repl Rooms
		Perm	Mod	Relo	Perm	Mod	Relo			Perm	Mod	Relo	Perm	Mod	Relo				
00827	ELEVATOR (PASSENGER/HANDICAPPED)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
00831	MUSIC PRACTICE ROOM	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
00840	VOCATIONAL RELATED CLASSROOM	20	0	0	0	0	20	0	0	3	0	0	0	0	0	0	0	0	
00850	VOCATIONAL TOOL STORAGE (SMALL)	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
Totals:		2500	0	0	0	0	2500	150	534	0	2	0	0	7	0	0	0	0	





**FLORIDA INVENTORY OF SCHOOL HOUSES (FISH)**  
**FACILITY INVENTORY REPORT**

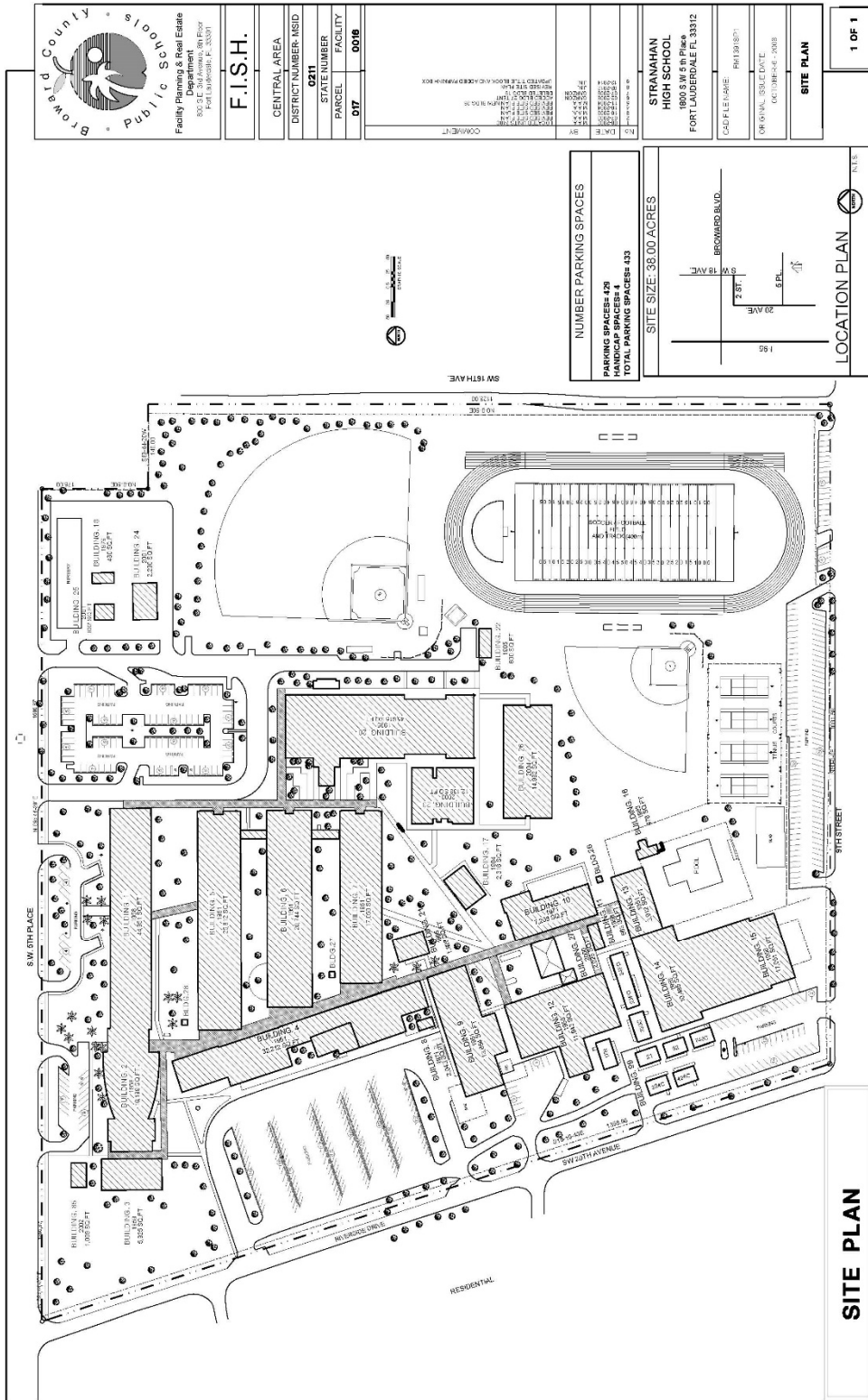
The following facilities have not undergone the automated reevaluation process and are being excluded from reports.

DISTRICT NAME	FACILITY NAME	STATUS
BROWARD COUNTY SCHOOL DISTRICT	LYONS CREEK MIDDLE	Paused

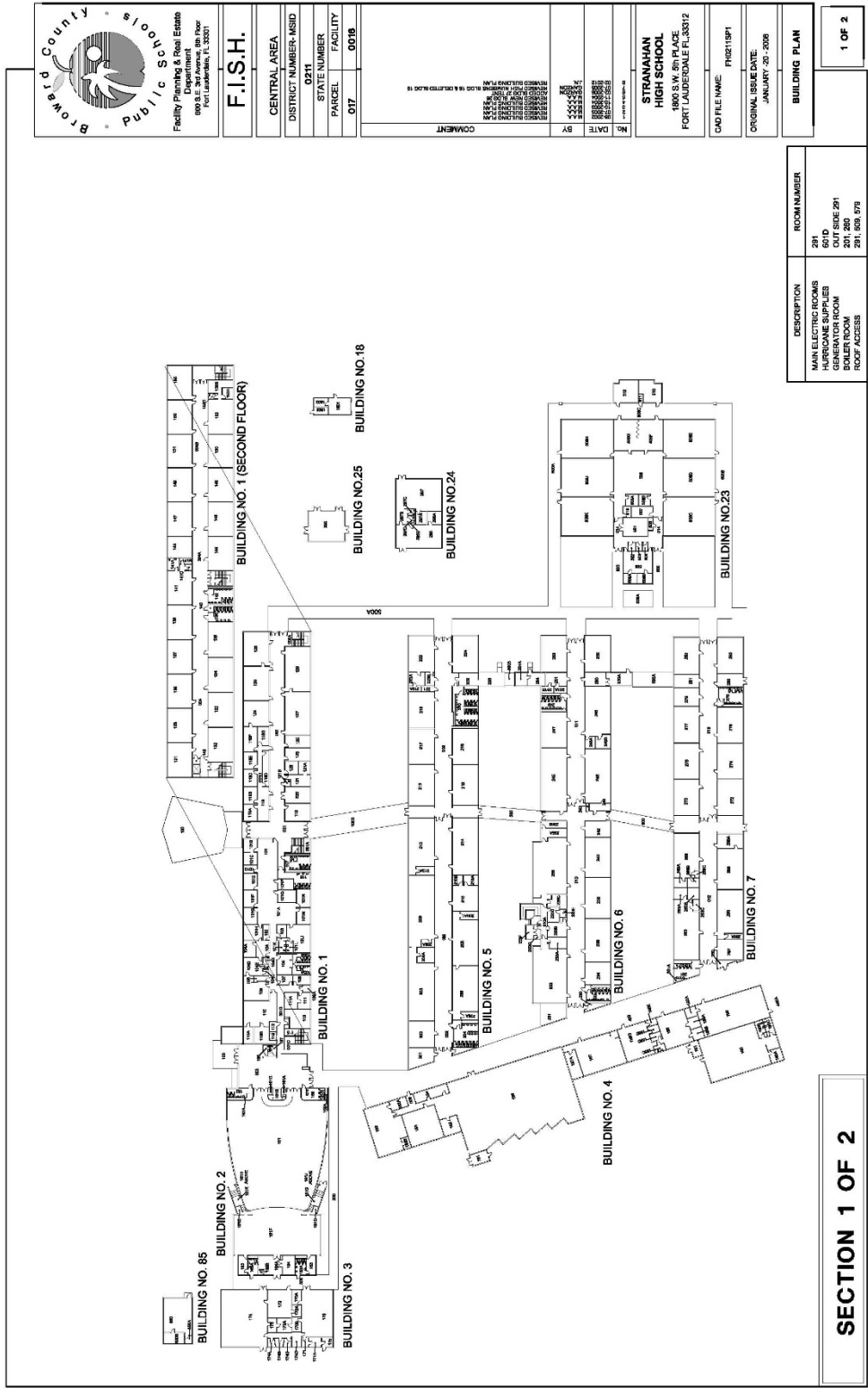
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2.3.3 FISH Site Plan



2.3.4 FISH Building Plan





## 2.4.0 Facility Assessments and Budgetary Documentation

This section includes facility condition assessments and budgetary documentation that has been completed over recent years regarding the General Obligation Bond funding and approved budgetary construction scope of work.

### 2.3.1 Adopted District Educational Facilities Plan

The ADEFP is the most recent approved budget for each campus of Broward County Schools. Construction scope is itemized including changes to the initial deficiency listings for each campus. It is the responsibility of the Design/Build Contractor to reconcile any differences between the ADEFP and additional budgetary or facility condition assessments.

### 2.3.2 SMART Campus Summary

The SMART Campus Summary is the most recent facility condition assessment completed for each campus. The summary provides existing building applicable dates and square footage, in addition to deficiency listings broken down into Safety & Security, Music & Arts, Athletics, Renovations, and Technology (SMART) categories to organize the approved funding in terms of programs that are affected.

The Campus Summary does not represent the final approved funding, and is for information purposes only.

### 2.3.3 MAPPS Deficiency Listing

The MAPPS Deficiency Listing is a detailed facility condition assessment conducted by Jacobs over recent years. The deficiency listing is presented as an itemized list of deficiencies on a site and building specific level organized by discipline. Note that all deficiency items are not in the scope of work. Items initialed "GOB" are included in the initial General Obligation Bond, prior to final approval of ADEFP.

The MAPPS Deficiency Listing does not represent the final approved funding, and is for information purposes only.

### 2.3.4 MAPPS Detailed List

The MAPPS Detailed List is raw database information in tabular format. The purpose of the Detailed List is to provide additional notes and quantity to cost estimate information. It is important to note that the Detailed List does not include all items from the approved budget. Additional items may occur and should be confirmed with the ADEFP.

### 2.3.5 MAPPS Deficiency Detail

The MAPPS Deficiency Detail report is raw database information with a breakdown of the cost estimate including construction adjustments and soft cost adjustments. As is with the Detail List, budget confirmation with the ADEFP is required.



2.4.1 Adopted District Educational Facilities Plan (DEFP)

**Stranahan Senior High School**

<b>Adopted District Educational Facilities Plan</b>							
Project	Carryover (2014-15)	Year 1 (2015-16)	Year 2 (2016-17)	Year 3 (2017-18)	Year 4 (2018-19)	Total	Scope
ADA	350,000					350,000	Replace non ADA compliant concrete ramps and install aluminum canopies
<del>Building Envelope</del>	<del>-5,577,000</del>					<del>-5,577,000</del>	<del>Roof and loggias replacement</del>
<b>ADEFP Sub-Total</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>	

<b>SMART Program</b>							
Project	Carryover (2014-15)	Year 1 (2015-16)	Year 2 (2016-17)	Year 3 (2017-18)	Year 4 (2018-19)	Total	Scope
Safety & Security	540,000					540,000	Single Point of Entry
Safety & Security	662,000					662,000	Fire Sprinklers
Safety & Security	1,174,000					1,174,000	Fire Alarm
Athletics		300,000				300,000	Track Resurfacing
Athletics	121,000					121,000	Weight Room Renovation
Renovation			46,000			46,000	CAT 6 Data port Upgrade
Renovation	<del>4,346,000</del>					<del>4,346,000</del>	<del>Roof and loggias replacement</del>
Renovation			184,000			184,000	Wireless Network Upgrade
Renovation	1,238,000					1,238,000	STEM Lab improvements
Renovation	100,000					100,000	School Choice Enhancement
Renovation	653,000					653,000	Media Center improvements
Renovation	6,251,000					6,251,000	HVAC Improvements
Renovation	1,512,000					1,512,000	Electrical Improvements
Technology			305,000			305,000	Additional computers to close computer gap
Technology			8,000			8,000	Technology Infrastructure (Servers, Racks, etc.) Upgrade
<b>SMART Sub-Total</b>	<b>16,597,000</b>	<b>300,000</b>	<b>543,000</b>	<b>0</b>	<b>0</b>	<b>17,440,000</b>	

	Carryover (2014-15)	Year 1 (2015-16)	Year 2 (2016-17)	Year 3 (2017-18)	Year 4 (2018-19)	Total
<b>School Total</b>	<b>16,947,000</b>	<b>300,000</b>	<b>543,000</b>	<b>0</b>	<b>0</b>	<b>17,790,000</b>



#### 4.4.2 SMART Campus Summary



#### 2014 Facility Condition Assessment Campus Summary

<b>0211</b>	<b>Stranahan Senior High School</b>		
	1800 SW 5th Place		
	Fort Lauderdale FL 33312		
Year Open		1951	
Other Years	1958, 1963, 1971, 1976, 1984, 1985, 1995, 2000, 2001, 2002, 2004		
Perm. Bldgs/SF	27	268,809	
Part. Bldgs/SF	9	7,264	
Current FCI Need		30,269,992	
Replacement Value	÷	60,926,144	
<b>Facility Condition Index</b>	=	<b>49.7 %</b>	



#### Facility Condition Index



#### GOB Bond / Construction Projects

Safety & Security	Budget	Fund Yr.	Status
Stranahan Senior High School Single Point of Entry*	\$549,000	2015	2014 GOB
Stranahan Senior High School Fire Alarm	\$1,174,000	2015	2014 GOB
Stranahan Senior High School Fire Sprinklers	\$662,000	2015	2014 GOB
	<b>\$2,385,000</b>		

Music & Arts	Budget	Fund Yr.	Status
None Identified			

Athletics	Budget	Fund Yr.	Status
Stranahan Senior High School PE/Athletic Improvements	\$121,000	2015	2014 GOB
	<b>\$121,000</b>		

Renovations	Budget	Fund Yr.	Status
Stranahan Senior High School Envelope	\$506,000	2015	2014 GOB
Stranahan Senior High School Roofing	\$3,316,000	2015	2014 GOB
Stranahan Senior High School HVAC	\$3,696,000	2015	2014 GOB
Stranahan SHS School Choice Enhancement	\$100,000	2015	2014 GOB
Stranahan Senior High School Other Envelope Improvements	\$19,000	2015	2014 GOB
Stranahan Senior High School Other HVAC Improvements	\$2,555,000	2015	2014 GOB
Stranahan Senior High School Electrical Improvements	\$1,512,000	2015	2014 GOB
Stranahan Senior High School STEM Lab Renovations	\$1,238,000	2015	2014 GOB
Stranahan Senior High School Media Center Renovations	\$653,000	2015	2014 GOB
	<b>\$13,595,000</b>		

Technology	Budget	Fund Yr.	Status
Stranahan SHS Technology Infrastructure (Servers, Racks, etc.)	\$8,000	2017	2014 GOB
Stranahan SHS Computer Gap	\$305,000	2017	2014 GOB
Stranahan SHS CAT 6 Dataport	\$46,000	2017	2014 GOB
Stranahan SHS Wireless Network	\$184,000	2017	2014 GOB
	<b>\$543,000</b>		

**Total In-Progress and Planned \$16,644,000**

Total Unplanned Need \$15,138,705

\*Budgets for Single Point of Entry projects are currently under review and will be updated upon completion of review.



2014 Facility Condition Assessment  
**Campus Summary**

**Unplanned Need**

<b>Safety &amp; Security</b>	<b>Budget</b>
None Identified	
	<b>\$0</b>

<b>Music &amp; Arts</b>	<b>Budget</b>
Stranahan Senior High School Music / Art Renovations	\$414,217
	<b>\$414,217</b>

<b>Athletics</b>	<b>Budget</b>
None Identified	
	<b>\$0</b>

<b>Renovations</b>	<b>Budget</b>
Various maintenance projects throughout campus	
Stranahan Senior High School Cafeteria Renovations	\$523,608
Misc Maintenance Improvements at Stranahan SHS	\$1,895,592
Misc Site Improvements at Stranahan SHS	\$6,887,490
Misc Interior Improvements at Stranahan SHS	\$2,975,814
Misc Plumbing Improvements at Stranahan SHS	\$263,225
Misc Specialties Improvements at Stranahan SHS	\$1,942,517
	<b>\$14,488,246</b>

<b>Technology</b>	<b>Budget</b>
Fiber Optic Network (10GB) Upgrade at Stranahan SHS	\$236,242
	<b>\$236,242</b>

**Total Unplanned Need \$15,138,705**

2.4.3 MAPPS Deficiency Listing

**Broward County Public Schools**

**School Deficiency Listing**

<b>0211</b>	<b>Stranahan Senior High School</b>
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**Site Level Deficiencies**

**Site**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Walkways do not have shelter from rain.	Educational Adequacy	300	LF	2	\$81,312	314045
Bleachers Are Damaged And Require Replacement	Capital Renewal	2,000	Seat	3	\$457,934	212064
School lacks appropriate drop-off areas.	Educational Adequacy	5	Ea.	3	\$622,552	255485
Asphalt Paving Is Damaged And Requires Replacement	Capital Renewal	354	CAR	4	\$953,871	212062
Competition Track Is Damaged And Requires Replacement	Capital Renewal	1	Ea.	4	\$214,895	223180
Pool requires replacement	Functional Deficiency	1	Ea.	4	\$4,255,280	216884
School lacks marquee or marquee in poor condition.	Educational Adequacy	1	Ea.	4	\$26,600	303574
<b>Sub Total for System</b>		<b>7</b>	<b>items</b>		<b>\$6,612,444</b>	

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Aluminum Covered Walkways Require Replacement	Capital Renewal	15,451	SF	2	\$95,105	314504 GOB
Aluminum Covered Walkways Require Replacement	Capital Renewal	5,481	SF	2	\$33,737	314505 GOB
Aluminum Covered Walkways Require Replacement	Capital Renewal	3,200	SF	2	\$19,697	314506 GOB
Aluminum Covered Walkways Require Replacement	Capital Renewal	20,400	SF	3	\$130,786	212061
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$279,325</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Single Point of Entry Needs to be Installed	Capital Renewal	1	LS	2	\$549,000	215111 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$549,000</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Pole Lighting Is Damaged And Should Be Replaced	Capital Renewal	31	Ea.	2	\$156,959	204645 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$156,959</b>	

**Fire and Security**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Entire Fire Alarm System Needs to be Replaced	Capital Renewal	1	LS	1	\$1,173,940	220885 GOB
<b>Location:</b> Main/Portable						
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$1,173,940</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
CAT-6 wiring to WAP needs to be provided	Functional Deficiency	132	Ea.	3	\$104,116	225162 GOB
School requires computers to close accessibility gap	Functional Deficiency	1	LS	3	\$304,500	313825 GOB
School requires technology infrastructure (servers, racks, etc).	Functional Deficiency	1	LS	3	\$7,640	313414 GOB
School requires Wireless Access Point hardware	Functional Deficiency	1	LS	3	\$79,728	313622 GOB
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$496,984</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
School Selected Educational Adequacy Enhancement	Educational Adequacy	1	LS	2	\$100,000	314155 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$100,000</b>	
<b>Sub Total for School and Site Level</b>		<b>19</b>	<b>items</b>		<b>\$9,367,652</b>	

**Building: 01 - Building 1**

**Site**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Switchgear Is Needed Or Requires Replacement	Capital Renewal	1	Ea.	1	\$25,262	204642 GOB
The Exterior Dry Type Transformer Requires Replacement	Capital Renewal	150	Ea.	2	\$859,173	204591 GOB

**Broward County Public Schools**

**School Deficiency Listing**

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**Building: 01 - Building 1**

**Site**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Pole Lighting Is Damaged And Should Be Replaced	Capital Renewal	4	Ea	2	\$21,110	204588 GOB
Site Drainage is Inadequate and Installation of Drainage Piping	Deferred Maintenance	150	LF	3	\$4,329	206565
Wood Covered Walkways Require Replacement	Capital Renewal	960	SF	3	\$42,312	204605
Competition Track Is Damaged And Requires Replacement	Capital Renewal	1	Ea	4	\$227,405	204610
Paving Requires Restriping	Deferred Maintenance	62	CAR	5	\$999	204604
<b>Sub Total for System</b>		<b>7</b>	<b>Items</b>		<b>\$1,180,690</b>	

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	23,850	SF	1	\$302,436	208085 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>Items</b>		<b>\$302,436</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	2,288	SF	2	\$341,366	211981 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>Items</b>		<b>\$341,366</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom Door Requires Vision Panel	Educational Adequacy	1	Ea	3	\$373	Rollup
Classroom doors lack appropriate signs.	Educational Adequacy	7	Ea	3	\$1,198	Rollup
Room has insufficient writing area.	Educational Adequacy	7	Ea	3	\$7,270	Rollup
The Carpet Flooring Requires Replacement	Capital Renewal	2,100	SF	3	\$21,868	204612
The Carpet Flooring Requires Replacement	Capital Renewal	7,990	SF	3	\$83,202	211993
The HVAC Terminal Device Requires Replacement	Capital Renewal	50	Ea	3	\$195,334	204635 GOB
The Suspended Ceiling Grid and Tiles Require Replacement	Capital Renewal	39,000	SF	3	\$348,424	211991
The Vinyl Composition Tile Requires Replacement	Capital Renewal	29,300	SF	3	\$259,830	211992
Room has insufficient tackboard area.	Educational Adequacy	5	Ea	4	\$1,927	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	3	Ea	4	\$1,814	Rollup
<b>Sub Total for System</b>		<b>10</b>	<b>Items</b>		<b>\$921,241</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Exterior Condenser Requires Replacement	Capital Renewal	1	Ea	1	\$4,158	204600 GOB
Controls Require Repair	Deferred Maintenance	42,345	SF	2	\$67,292	206563 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	2	Ea	2	\$219,077	204633 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea	2	\$198,877	204634 GOB
The Electrical Transformer Requires Replacement	Capital Renewal	1	Ea	2	\$10,751	204644 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	42,345	SF	3	\$198,243	204631 GOB
Duct Heater Requires Replacement	Capital Renewal	5	Ea	3	\$25,815	204636 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	3	Ea	3	\$166,512	204601 GOB
The Exterior Condensing Unit Requires Replacement	Capital Renewal	1	Ea	3	\$6,441	204632 GOB
Duct Cleaning Required	Deferred Maintenance	42,345	SF	5	\$35,180	204599
<b>Sub Total for System</b>		<b>10</b>	<b>Items</b>		<b>\$932,348</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Electrical Disconnect Requires Replacement	Capital Renewal	1	Ea	2	\$1,702	211010 GOB
Room has insufficient electrical outlets.	Educational Adequacy	176	Ea	3	\$64,375	Rollup

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**Broward County Public Schools**

**School Deficiency Listing**

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**Building: 01 - Building 1**

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Distribution Panel Requires Repair	Deferred Maintenance	1	Ea.	3	\$291	204595
Room does not have tamper-proof light switching.	Educational Adequacy	2	Ea.	5	\$971	Rollup
Room lacks controls to partially dim lights.	Educational Adequacy	1	Ea.	5	\$779	Rollup
<b>Sub Total for System</b>		<b>5</b>	<b>items</b>		<b>\$68,119</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	2	Ea.	2	\$2,713	Rollup
Room lacks a private shower area.	Educational Adequacy	2	Ea.	4	\$18,266	Rollup
Room lacks private toilets.	Educational Adequacy	2	Ea.	4	\$22,434	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$43,412</b>	

**Fire and Security**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Install Fire Sprinklers	Code Compliance	42,345	SF	1	\$365,118	65402 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$365,118</b>	

Location: thru-out bldg. # 1

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	20	Ea.	2	\$73,684	Rollup
Room lacks Interactive White Board	Educational Adequacy	19	Ea.	2	\$51,712	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$125,396</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Replace metal student lockers	Deferred Maintenance	500	Ea.	4	\$601,601	211995
Room does not have sufficient cubbies.	Educational Adequacy	28	Ea.	5	\$1,165	Rollup
Room has an insufficient number of coat hooks.	Educational Adequacy	24	Ea.	5	\$280	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$603,046</b>	
<b>Sub Total for Building 01 - Building 1</b>		<b>43</b>	<b>items</b>		<b>\$4,883,091</b>	

**Building: 02 - Auditorium**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	11,028	SF	1	\$139,843	208086 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$139,843</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Carpet Flooring Requires Replacement	Capital Renewal	7,466	SF	3	\$77,746	211998
Room lacks appropriate sound control.	Educational Adequacy	500	SF	4	\$16,346	212006
The Wood Flooring Requires Repair	Deferred Maintenance	2,898	SF	4	\$35,057	211997
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$129,149</b>	



**Broward County Public Schools**

**School Deficiency Listing**

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**Building: 02 - Auditorium**

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Exterior Condenser Requires Replacement	Capital Renewal	1	Ea.	1	\$4,158	204853 GOB
The Exterior Condenser Requires Replacement	Capital Renewal	1	Ea.	1	\$9,303	204665 GOB
Complete HVAC System Wide Replacement	Capital Renewal	1,000	SF	2	\$33,433	212007 GOB
Controls Require Repair	Deferred Maintenance	15,252	SF	2	\$24,237	206561 GOB
Out-Door Air Handler HVAC Component Required Replacement	Capital Renewal	1	Ea.	2	\$118,606	204666 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	2	\$198,877	204667 GOB
The Roof Air Handler/Exhaust is Damaged And Requires Replacement	Capital Renewal	1	TonAC	2	\$2,873	204651 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	15,252	SF	3	\$71,155	204664 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	2	Ea.	3	\$111,008	204655 GOB
The Roof Condenser Requires Replacement	Capital Renewal	1	TonAC	3	\$1,848	204850 GOB
Duct Cleaning Required	Deferred Maintenance	15,552	SF	5	\$12,921	204852
<b>Sub Total for System</b>		<b>11</b>	<b>Items</b>		<b>\$688,220</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Panelboard Requires Replacement	Capital Renewal	1	Ea.	2	\$7,978	204647 GOB
The Panelboard Requires Replacement	Capital Renewal	6	Ea.	2	\$35,231	204673 GOB
The Panelboard Requires Replacement	Capital Renewal	6	Ea.	2	\$99,318	204676 GOB
The Electrical Disconnect Is Damaged And Should Be Repaired	Deferred Maintenance	1	Ea.	3	\$1,146	204646
<b>Sub Total for System</b>		<b>4</b>	<b>Items</b>		<b>\$143,673</b>	

**Fire and Security**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Install Fire Sprinklers	Code Compliance	6,001	SF	1	\$51,743	Rollup GOB
Install Fire Sprinklers	Code Compliance	15,252	SF	1	\$131,510	65403 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>Items</b>		<b>\$183,253</b>	

Location: thru-out

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Stage Lighting Requires Replacement	Capital Renewal	1	Ea.	3	\$45,165	212004
Auditorium Seating requires replacement	Deferred Maintenance	1,000	Ea.	4	\$618,911	212002
<b>Sub Total for System</b>		<b>2</b>	<b>Items</b>		<b>\$662,076</b>	
<b>Sub Total for Building 02 - Auditorium</b>		<b>23</b>	<b>Items</b>		<b>\$1,846,214</b>	

**Building: 03 - Building 3**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	4,800	SF	1	\$58,331	208087 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>Items</b>		<b>\$58,331</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs	Educational Adequacy	2	Ea.	3	\$342	Rollup
Room has insufficient writing area	Educational Adequacy	2	Ea.	3	\$2,077	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>Items</b>		<b>\$2,419</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Fan Coil HVAC Component Requires Replacement	Capital Renewal	1	Ea.	2	\$11,507	204714 GOB
Package Roof Top Unit Requires Replacement	Capital Renewal	1	Ea.	3	\$17,820	204683 GOB

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**School Deficiency Listing**

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**Building: 03 - Building 3**

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Infrared Gas Radiant Heater Requires Replacement	Capital Renewal	1	Ea.	3	\$3,297	204718 GOB
The Package Unit HVAC Component Requires Replacement	Capital Renewal	1	TonAC	3	\$2,373	204688 GOB
Duct Cleaning Required	Deferred Maintenance	4,917	SF	5	\$4,085	204684
<b>Sub Total for System</b>		<b>5</b>	<b>items</b>		<b>\$39,083</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Prep room lacks a sink.	Educational Adequacy	2	Ea.	3	\$8,899	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$8,899</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	2	Ea.	2	\$7,368	Rollup
Room lacks Interactive White Board	Educational Adequacy	2	Ea.	2	\$5,443	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$12,812</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Renovate / Remodel Music and Art Rooms	Deferred Maintenance	1	LS	2	\$137,400	318809
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$137,400</b>	
<b>Sub Total for Building 03 - Building 3</b>		<b>12</b>	<b>items</b>		<b>\$258,945</b>	

**Building: 04 - Building 4**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	17,599	SF	1	\$223,168	208088 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$223,168</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	38	SF	2	\$5,670	204733 GOB
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	35	SF	2	\$5,222	204734 GOB
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	3	SF	2	\$448	204735 GOB
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$11,340</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Carpet Flooring Requires Replacement	Capital Renewal	9,160	SF	3	\$95,386	212010
The HVAC Terminal Device Requires Replacement	Capital Renewal	8	Ea.	3	\$31,253	204726 GOB
Room has insufficient tackboard area.	Educational Adequacy	1	Ea.	4	\$385	Rollup
Room lacks appropriate sound control.	Educational Adequacy	1,949	SF	4	\$61,128	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$188,153</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete HVAC System Wide Replacement	Capital Renewal	178	SF	2	\$5,951	212013 GOB
Controls Require Repair	Deferred Maintenance	17,599	SF	2	\$27,967	206558 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	2	\$109,539	204756 GOB
The Fan Coil (Chilled Water) HVAC Component Requires Replacement	Capital Renewal	8	Ea.	2	\$94,478	204752 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	17,599	SF	3	\$82,104	204749 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	2	Ea.	3	\$111,008	204724 GOB

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**School Deficiency Listing**

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**Building: 04 - Building 4**

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$55,504	204755 GOB
The Infrared Gas Radiant Heater Requires Replacement	Capital Renewal	16	Ea.	3	\$52,758	204757 GOB
Duct Cleaning Required	Deferred Maintenance	17,599	SF	5	\$14,821	204723
<b>Sub Total for System</b>		<b>9</b>	<b>items</b>		<b>\$553,931</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	120	Ea.	3	\$42,797	212008
The 2 X 4 Interior Fluorescent Lighting Requires Replacement	Capital Renewal	200	Ea.	3	\$113,476	212009
Room does not have tamper-proof light switching.	Educational Adequacy	1	Ea.	5	\$486	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$156,758</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	2	Ea.	2	\$2,713	Rollup
The Refrigerated Water Cooler Requires Replacement	Capital Renewal	1	Ea.	3	\$2,408	204729
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$5,121</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	5	Ea.	2	\$18,421	Rollup
Room lacks Interactive White Board	Educational Adequacy	5	Ea.	2	\$13,608	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	1,400	LF	2	\$31,499	Rollup
Room lacks access to video distribution.	Educational Adequacy	1	Ea.	5	\$665	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$64,194</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Media Center requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$517,369	316311 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$517,369</b>	
<b>Sub Total for Building 04 - Building 4</b>		<b>27</b>	<b>items</b>		<b>\$1,720,034</b>	

**Building: 05 - Building 5**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	21,348	SF	1	\$270,708	208089 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$270,708</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	84	SF	2	\$12,533	212015 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$12,533</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	3	Ea.	3	\$513	Rollup
Room has insufficient writing area.	Educational Adequacy	17	Ea.	3	\$17,656	Rollup
The Carpet Flooring Requires Replacement	Capital Renewal	784	SF	3	\$8,164	212019
The Ceramic Tile Flooring Requires Replacement	Capital Renewal	1,100	SF	3	\$19,362	212017
The HVAC Terminal Device Requires Replacement	Capital Renewal	20	Ea.	3	\$78,134	204783 GOB
The Suspended Ceiling Grid and Tiles Require Replacement	Capital Renewal	17,218	SF	3	\$153,807	212016

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**Building: 05 - Building 5**

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Vinyl Composition Tile Requires Replacement	Capital Renewal	17,560	SF	3	\$155,720	212018
Room has insufficient tackboard area.	Educational Adequacy	3	Ea.	4	\$1,156	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	65	Ea.	4	\$39,313	Rollup
<b>Sub Total for System</b>		<b>9</b>	<b>Items</b>		<b>\$473,825</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete HVAC System Wide Replacement	Capital Renewal	1,094	SF	2	\$36,576	212020 GOB
Controls Require Repair	Deferred Maintenance	21,348	SF	2	\$33,925	206556 GOB
Large HVAC Circulating Pump Requires Replacement	Deferred Maintenance	1	Ea.	2	\$51,916	204781 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	2	\$198,877	204782 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	21,348	SF	3	\$99,595	204779 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$55,504	204764 GOB
The Infrared Gas Radiant Heater Requires Replacement	Capital Renewal	16	Ea.	3	\$52,758	204780 GOB
Duct Cleaning Required	Deferred Maintenance	21,348	SF	5	\$17,736	204763
<b>Sub Total for System</b>		<b>8</b>	<b>Items</b>		<b>\$546,887</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	124	Ea.	3	\$45,354	Rollup
Room does not have tamper-proof light switching.	Educational Adequacy	2	Ea.	5	\$971	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>Items</b>		<b>\$46,326</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	7	Ea.	2	\$9,496	Rollup
Room lacks a private shower area.	Educational Adequacy	2	Ea.	4	\$18,266	Rollup
Room lacks private toilets.	Educational Adequacy	2	Ea.	4	\$22,434	Rollup
The Custodial Mop Or Service Sink Requires Replacement	Deferred Maintenance	2	Ea.	4	\$3,368	204770
<b>Sub Total for System</b>		<b>4</b>	<b>Items</b>		<b>\$53,563</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient dataports.	Educational Adequacy	152	Ea.	2	\$26,295	Rollup GOB
Room lacks Fixed Projector	Educational Adequacy	13	Ea.	2	\$47,895	Rollup
Room lacks Interactive White Board	Educational Adequacy	12	Ea.	2	\$32,660	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>Items</b>		<b>\$122,599</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room does not have sufficient cubbies.	Educational Adequacy	28	Ea.	5	\$1,165	Rollup
Room has an insufficient number of coat hooks.	Educational Adequacy	24	Ea.	5	\$280	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>Items</b>		<b>\$1,445</b>	

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**Building: 05 - Building 5**

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Provide renovation of restrooms associated with educational adequacy renovations	Capital Renewal	1	LS	2	\$138,750	316418 GOB
STEM lab requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$14,098	316005 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$150,848</b>	
<b>Sub Total for Building 05 - Building 5</b>		<b>33</b>	<b>items</b>		<b>\$1,678,734</b>	

**Building: 06 - Building 6**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	21,728	SF	1	\$275,527	208090 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$275,527</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	24	SF	2	\$3,581	212023 GOB
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	64	SF	2	\$9,549	212024 GOB
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	18	SF	2	\$2,686	212025 GOB
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$15,816</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	4	Ea.	3	\$684	Rollup
Room has insufficient writing area.	Educational Adequacy	12	Ea.	3	\$12,463	Rollup
The Carpet Flooring Requires Replacement	Capital Renewal	660	SF	3	\$6,873	212030
The HVAC Terminal Device Requires Replacement	Capital Renewal	12	Ea.	3	\$46,880	204915 GOB
The Stone/Quarry Flooring Is Damaged And Requires Replacement	Capital Renewal	7,710	SF	3	\$286,980	212026
The Suspended Ceiling Grid and Tiles Require Replacement	Capital Renewal	14,990	SF	3	\$133,920	212027
The Vinyl Composition Tile Requires Replacement	Capital Renewal	5,650	SF	3	\$50,104	212028
Room has insufficient tackboard area.	Educational Adequacy	6	Ea.	4	\$2,312	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	1	Ea.	4	\$805	Rollup
The Terrazzo Flooring Is Damaged And Requires Replacement	Capital Renewal	5,020	SF	4	\$218,907	212029
<b>Sub Total for System</b>		<b>10</b>	<b>items</b>		<b>\$759,728</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Controls Require Repair	Deferred Maintenance	20,858	SF	2	\$32,828	208552 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	2	\$162,696	204916 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	20,658	SF	3	\$96,376	204911 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$55,504	204788 GOB
The Infrared Gas Radiant Heater Requires Replacement	Capital Renewal	14	Ea.	3	\$46,164	204922 GOB
Duct Cleaning Required	Deferred Maintenance	20,658	SF	5	\$17,163	204785
<b>Sub Total for System</b>		<b>6</b>	<b>items</b>		<b>\$410,730</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	26	Ea.	3	\$9,511	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$9,511</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks shut-off valves for utilities.	Code Compliance	1	Ea.	2	\$2,711	Rollup

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**Building: 06 - Building 6**

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	7	Ea.	2	\$9,498	Rollup
Prep room lacks a sink.	Educational Adequacy	4	Ea.	3	\$17,799	Rollup
The Custodial Mop Or Service Sink Requires Replacement	Deferred Maintenance	2	Ea.	4	\$3,368	204789
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$33,374</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	9	Ea.	2	\$33,158	Rollup
Room lacks Interactive White Board	Educational Adequacy	11	Ea.	2	\$29,938	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$70,046</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Lab lacks an air exchange system.	Educational Adequacy	3	Ea.	2	\$42,940	Rollup
Lab lacks gas service at lab tables.	Educational Adequacy	1	Ea.	3	\$11,702	Rollup
Room lacks an appropriate refrigerator.	Educational Adequacy	2	Ea.	3	\$10,507	Rollup
Room lacks the required demonstration table.	Educational Adequacy	4	Ea.	3	\$29,854	Rollup
Blinds are missing or in poor condition.	Educational Adequacy	736	SF Surf	4	\$20,795	Rollup
Lab lacks an appropriate fume hood.	Educational Adequacy	1	Ea.	4	\$19,836	Rollup
<b>Sub Total for System</b>		<b>6</b>	<b>items</b>		<b>\$135,434</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Provide renovation of restrooms associated with educational adequacy renovations	Capital Renewal	1	LS	2	\$63,000	316380 GOB
Renovate / Remodel Music and Art Rooms	Deferred Maintenance	1	LS	2	\$276,817	316810
STEM lab requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$172,805	318028 GOB
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$512,622</b>	
<b>Sub Total for Building 06 - Building 6</b>		<b>37</b>	<b>items</b>		<b>\$2,231,589</b>	

**Building: 07 - Building 7**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	20,900	SF	1	\$265,027	208091 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$265,027</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	5	SF	2	\$746	204936 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$746</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	5	Ea.	3	\$855	Rollup
Room has insufficient writing area.	Educational Adequacy	22	Ea.	3	\$22,848	Rollup
The Ceramic Tile Flooring Requires Replacement	Capital Renewal	580	SF	3	\$10,209	212036

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**Building: 07 - Building 7**

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The HVAC Terminal Device Requires Replacement	Capital Renewal	20	Ea.	3	\$78,134	204932 GOB
The HVAC Terminal Device Requires Replacement	Capital Renewal	13	Ea.	3	\$50,787	204961 GOB
The Suspended Ceiling Grid and Tiles Require Replacement	Capital Renewal	15,870	SF	3	\$139,995	212034
The Vinyl Composition Tile Requires Replacement	Capital Renewal	15,500	SF	3	\$137,453	212035
Room lacks appropriate amount of teacher storage.	Educational Adequacy	37	Ea.	4	\$22,378	Rollup
<b>Sub Total for System</b>		<b>8</b>	<b>items</b>		<b>\$462,659</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete HVAC System Wide Replacement	Capital Renewal	578	SF	2	\$19,324	212037 GOB
Controls Require Repair	Deferred Maintenance	17,902	SF	2	\$28,449	206551 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	2	\$198,877	204958 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	17,902	SF	3	\$83,518	204952 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$55,504	204931 GOB
The Infrared Gas Radiant Heater Requires Replacement	Capital Renewal	13	Ea.	3	\$42,866	204965 GOB
Duct Cleaning Required	Deferred Maintenance	17,902	SF	5	\$14,873	204930
<b>Sub Total for System</b>		<b>7</b>	<b>items</b>		<b>\$443,412</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	134	Ea.	3	\$49,013	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$49,013</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Custodial Mop Or Service Sink Requires Replacement	Deferred Maintenance	2	Ea.	4	\$3,368	204933
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$3,368</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	12	Ea.	2	\$44,211	Rollup
Room lacks Interactive White Board	Educational Adequacy	9	Ea.	2	\$24,495	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$84,455</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Provide renovation of restrooms associated with educational adequacy renovations	Capital Renewal	1	LS	2	\$72,250	316388 GOB
STEM lab requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$224,647	316058 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$296,897</b>	
<b>Sub Total for Building 07 - Building 7</b>		<b>24</b>	<b>items</b>		<b>\$1,605,677</b>	

**Building: 08 - Building Support**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Roofing with new Decking Required (Broward CPS)	Capital Renewal	14,500	SF	1	\$183,871	208092 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$183,871</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Chiller HVAC Component Is Damaged And Requires Replacement	Capital Renewal	1	Ea.	2	\$237,423	204989 GOB

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**Building: 08 - Building Support**

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Electrical Transformer Requires Replacement	Capital Renewal	2	Ea.	2	\$17,792	205004 GOB
The Exterior Metal Cooling Tower Is Damaged And Requires Replacement	Capital Renewal	1	Ea.	2	\$85,637	204988 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	2,145	SF	3	\$10,007	204987 GOB
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$330,859</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Panelboard Requires Replacement	Capital Renewal	1	Ea.	2	\$2,927	205005 GOB
The Panelboard Requires Replacement	Capital Renewal	2	Ea.	2	\$15,955	205007 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$18,882</b>	
<b>Sub Total for Building 08 - Building Support</b>		<b>7</b>	<b>items</b>		<b>\$533,612</b>	

**Building: 09 - Building 9**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	14,232	SF	1	\$180,472	208093 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$180,472</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	5	Ea.	3	\$855	Rollup
Room has insufficient writing area.	Educational Adequacy	3	Ea.	3	\$3,116	Rollup
The Ceramic Tile Flooring Requires Replacement	Capital Renewal	350	SF	3	\$6,161	212044
The Suspended Ceiling Grid and Tiles Require Replacement	Capital Renewal	7,623	SF	3	\$68,104	212042
The Vinyl Composition Tile Requires Replacement	Capital Renewal	7,770	SF	3	\$68,904	212043
Room has insufficient tackboard area.	Educational Adequacy	4	Ea.	4	\$1,541	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	68	Ea.	4	\$41,128	Rollup
<b>Sub Total for System</b>		<b>7</b>	<b>items</b>		<b>\$189,808</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete HVAC System Wide Replacement	Capital Renewal	350	SF	2	\$11,702	212041 GOB
Controls Require Repair	Deferred Maintenance	12,135	SF	2	\$19,284	205012 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	12,132	SF	3	\$56,599	205028 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$55,504	205031 GOB
The Fan Coil (Chilled Water) HVAC Component Requires Replacement	Capital Renewal	2	Ea.	3	\$3,956	205017 GOB
The Fan Coil HVAC Component Requires Replacement	Capital Renewal	2	Ea.	3	\$7,656	205035 GOB
The Window AC Unit Component Requires Replacement	Capital Renewal	1	Ea.	3	\$2,140	205019 GOB
Duct Cleaning Required	Deferred Maintenance	12,132	SF	5	\$10,079	205013
<b>Sub Total for System</b>		<b>8</b>	<b>items</b>		<b>\$166,921</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	150	Ea.	3	\$54,867	Rollup
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	10	Ea.	3	\$3,568	205009
The 2 X 4 Interior Fluorescent Lighting Requires Replacement	Capital Renewal	130	Ea.	3	\$73,759	205011
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$132,193</b>	

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**Building: 09 - Building 9**

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	4	Ea.	2	\$5,428	Rollup
Prep room lacks a sink.	Educational Adequacy	4	Ea.	3	\$17,799	Rollup
Shop lacks a dust collection system.	Educational Adequacy	1	Ea.	3	\$38,173	Rollup
Room lacks a drinking fountain.	Educational Adequacy	4	Ea.	5	\$3,836	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$65,234</b>	

**Fire and Security**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Install Fire Sprinklers	Code Compliance	12,132	SF	1	\$104,608	65420 GOB
<b>Location:</b> Automotive & R.O.T.C.						
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$104,608</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient dataports.	Educational Adequacy	86	Ea.	2	\$14,877	Rollup GOB
Room lacks Fixed Projector	Educational Adequacy	2	Ea.	2	\$7,368	Rollup
Room lacks Interactive White Board	Educational Adequacy	4	Ea.	2	\$10,887	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$48,882</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Lab lacks an air exchange system.	Educational Adequacy	1	Ea.	2	\$14,313	Rollup
Room lacks the required demonstration table.	Educational Adequacy	1	Ea.	3	\$7,463	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$21,777</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Provide renovation of restrooms associated with educational adequacy renovations	Capital Renewal	1	LS	2	\$37,250	316354 GOB
STEM lab requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$381,036	316094 GOB
STEM lab requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$146,884	316123 GOB
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$655,170</b>	
<b>Sub Total for Building 09 - Building 9</b>		<b>33</b>	<b>items</b>		<b>\$1,475,064</b>	

**Building: 10 - Physical Education Building**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	8,770	SF	1	\$111,210	208094 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$111,210</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient writing area	Educational Adequacy	1	Ea.	3	\$1,039	Rollup
The Athletic Sport Flooring Requires Replacement	Capital Renewal	4,244	SF	3	\$111,148	212046
The Suspended Ceiling Grid and Tiles Require Replacement	Capital Renewal	2,964	SF	3	\$26,480	212045
Room has insufficient tackboard area.	Educational Adequacy	2	Ea.	4	\$771	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	11	Ea.	4	\$6,653	Rollup

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**Building: 10 - Physical Education Building**

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks appropriate sound control.	Educational Adequacy	1,115	SF	4	\$34,971	Rollup
<b>Sub Total for System</b>		<b>6</b>	<b>items</b>		<b>\$181,061</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete HVAC System Wide Replacement	Capital Renewal	7,568	SF	2	\$253,021	212047 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$253,021</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Panelboard Requires Replacement	Capital Renewal	12	Ea.	2	\$35,123	205085 GOB
The Panelboard Requires Replacement	Capital Renewal	15	Ea.	2	\$166,836	205086 GOB
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	14	Ea.	3	\$4,993	205037
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	48	Ea.	3	\$17,110	205067
The 2 X 4 Interior Fluorescent Lighting Requires Replacement	Capital Renewal	60	Ea.	3	\$34,043	205038
<b>Sub Total for System</b>		<b>6</b>	<b>items</b>		<b>\$268,114</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	1	Ea.	2	\$1,357	Rollup
Room lacks a drinking fountain.	Educational Adequacy	1	Ea.	5	\$959	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$2,316</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	1	Ea.	2	\$3,684	Rollup
Room lacks Interactive White Board	Educational Adequacy	1	Ea.	2	\$2,722	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$6,406</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Blinds are missing or in poor condition.	Educational Adequacy	4	SF Surf	4	\$112	Rollup
PE Weight Room equipment and flooring is in need of upgrade	Capital Renewal	1	Ea.	5	\$121,323	Rollup GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$121,435</b>	
<b>Sub Total for Building 10 - Physical Education Building</b>		<b>19</b>	<b>items</b>		<b>\$933,563</b>	

**Building: 11 - Building 11**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	770	SF	1	\$9,764	208095 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$9,764</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Refrigerated Water Cooler Requires Replacement	Capital Renewal	1	Ea.	3	\$2,408	205073
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$2,408</b>	
<b>Sub Total for Building 11 - Building 11</b>		<b>2</b>	<b>items</b>		<b>\$12,172</b>	

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**Building: 12 - Cafeteria**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	17,850	SF	1	\$223,815	208096 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$223,815</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	800	SF	2	\$119,366	211420 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$119,366</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	1	Ea.	3	\$171	Rollup
The Vinyl Composition Tile Requires Replacement	Capital Renewal	7,550	SF	3	\$66,953	212049
Room has insufficient tackboard area.	Educational Adequacy	2	Ea.	4	\$771	Rollup
Room lacks appropriate sound control.	Educational Adequacy	2,442	SF	4	\$76,591	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$144,485</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete Kitchen HVAC Installation For Non-Air-Conditioned Facility?	Functional Deficiency	6,500	SF	2	\$173,083	205096 GOB
Controls Require Repair	Deferred Maintenance	12,540	SF	2	\$19,928	205097 GOB
Out-Door Air Handler HVAC Component Required Replacement	Capital Renewal	2	Ea.	2	\$465,539	205124 GOB
The Roof Air Handler/Exhaust Is Damaged And Requires Replacement	Capital Renewal	2	TonAC	2	\$5,747	205094 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	12,540	SF	3	\$58,503	205123 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	2	Ea.	3	\$111,008	205101 GOB
Duct Cleaning Required	Deferred Maintenance	6,000	SF	5	\$4,985	205099
<b>Sub Total for System</b>		<b>7</b>	<b>items</b>		<b>\$938,792</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Electrical Circuit Capacity Is Inadequate	Functional Deficiency	2	EACH	2	\$1,763	212050 GOB
The Panelboard Requires Replacement	Capital Renewal	1	Ea.	2	\$11,122	205133 GOB
Room has insufficient electrical outlets.	Educational Adequacy	10	Ea.	3	\$3,658	Rollup
Room does not have tamper-proof light switching.	Educational Adequacy	2	Ea.	5	\$971	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$17,515</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$15,749</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Replace cabinetry in room	Deferred Maintenance	16	LF	4	\$32,450	205117
The Base Storage Cabinets Require Replacement	Capital Renewal	16	LF	4	\$3,880	205102
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$36,330</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Renovate / Remodel Cafeteria	Deferred Maintenance	1	LS	2	\$523,608	316893
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$523,608</b>	
<b>Sub Total for Building 12 - Cafeteria</b>		<b>21</b>	<b>items</b>		<b>\$1,919,661</b>	

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**Building: 13 - Swimming Pool Locker Rooms**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	5,800	SF	1	\$71,012	208097 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$71,012</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs	Educational Adequacy	2	Ea	3	\$342	Rollup
The Acoustical Ceilings Tiles Require Replacement	Capital Renewal	3,912	SF	3	\$21,808	212051
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$22,150</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Window AC Unit Component Requires Replacement	Capital Renewal	2	Ea	3	\$4,280	205141 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$4,280</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	26	Ea	3	\$9,273	212052
The 2 X 4 Interior Fluorescent Lighting Requires Replacement	Capital Renewal	8	Ea	3	\$4,539	212053
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$13,812</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Replace metal student lockers	Deferred Maintenance	400	Ea	4	\$282,925	212054
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$282,925</b>	
<b>Sub Total for Building 13 - Swimming Pool Locker Rooms</b>		<b>7</b>	<b>items</b>		<b>\$394,179</b>	

**Building: 14 - Gym Lockers**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	10,765	SF	1	\$136,508	208098 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$136,508</b>	

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	32	SF	2	\$4,775	205152 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$4,775</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs	Educational Adequacy	2	Ea	3	\$342	Rollup
The Acoustical Ceilings Tiles Require Replacement	Capital Renewal	5,603	SF	3	\$31,235	212055
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$31,577</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Complete HVAC System Wide Replacement	Capital Renewal	5,883	SF	2	\$196,686	212057 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$196,686</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	55	Ea	3	\$19,615	212056
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$19,615</b>	
<b>Sub Total for Building 14 - Gym Lockers</b>		<b>6</b>	<b>items</b>		<b>\$389,161</b>	



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**Building: 15 - Gymnasium**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	14,544	SF	1	\$184,429	208099 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$184,429</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom Door Requires Vision Panel	Educational Adequacy	1	Ea	3	\$373	Rollup
Classroom doors lack appropriate signs.	Educational Adequacy	1	Ea	3	\$171	Rollup
Room has insufficient writing area.	Educational Adequacy	1	Ea	3	\$1,039	Rollup
Room has insufficient tackboard area.	Educational Adequacy	2	Ea	4	\$771	Rollup
Room lacks appropriate sound control.	Educational Adequacy	2,567	SF	4	\$80,512	Rollup
<b>Sub Total for System</b>		<b>5</b>	<b>items</b>		<b>\$82,065</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Controls Require Repair	Deferred Maintenance	14,544	SF	2	\$23,112	205162 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	2	Ea	2	\$219,077	205170 GOB
The Electrical Transformer Requires Replacement	Capital Renewal	2	Ea	2	\$21,503	205159 GOB
The Electrical Transformer Requires Replacement	Capital Renewal	1	Ea	2	\$10,751	205160 GOB
The Electrical Transformer Requires Replacement	Capital Renewal	1	Ea	2	\$8,896	205171 GOB
Controls Are Inadequate And Should Be Replaced With DDC Controls	Capital Renewal	14,544	SF	3	\$67,852	205168 GOB
The Air Handler HVAC Component Requires Replacement	Capital Renewal	2	Ea	3	\$111,008	205164 GOB
The Window AC Unit Component Requires Replacement	Capital Renewal	3	Ea	3	\$6,419	205169 GOB
<b>Sub Total for System</b>		<b>8</b>	<b>items</b>		<b>\$468,619</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Electrical Circuit Capacity Is Inadequate	Functional Deficiency	2	EACH	2	\$1,763	212058 GOB
Room has insufficient electrical outlets.	Educational Adequacy	10	Ea	3	\$3,858	Rollup
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	39	Ea	3	\$13,909	205172
Room does not have tamper-proof light switching.	Educational Adequacy	1	Ea	5	\$486	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$19,816</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks a drinking fountain.	Educational Adequacy	2	Ea	5	\$1,918	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$1,918</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$15,749</b>	
<b>Sub Total for Building 15 - Gymnasium</b>		<b>20</b>	<b>items</b>		<b>\$773,397</b>	

**Building: 16 - Building Support**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	700	SF	1	\$8,877	208100 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$8,877</b>	



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**Building: 16 - Building Support**

**Exterior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Aluminum Window Is Damaged And Requires Replacement	Capital Renewal	1	SF	2	\$149	205178 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$149</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	1	Ea	3	\$171	Rollup
The Acoustical Ceilings Tiles Require Replacement	Capital Renewal	107	SF	3	\$596	205177
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$768</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Cast Iron Water Boiler Requires Replacement	Capital Renewal	1	Ea.	2	\$111,830	205184 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$111,830</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Refrigerated Water Cooler Requires Replacement	Capital Renewal	1	Ea.	3	\$2,408	205186
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$2,408</b>	
<b>Sub Total for Building 16 - Building Support</b>		<b>6</b>	<b>items</b>		<b>\$124,031</b>	

**Building: 17 - Agriculture Labs**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	2,400	SF	1	\$29,845	208101 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$29,845</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom Door Requires Vision Panel	Educational Adequacy	1	Ea.	3	\$373	Rollup
Classroom doors lack appropriate signs.	Educational Adequacy	2	Ea.	3	\$342	Rollup
Room has insufficient writing area.	Educational Adequacy	1	Ea.	3	\$1,039	Rollup
Room has insufficient tackboard area.	Educational Adequacy	1	Ea.	4	\$385	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	14	Ea.	4	\$8,467	Rollup
<b>Sub Total for System</b>		<b>5</b>	<b>items</b>		<b>\$10,607</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Fan Coil HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$3,754	205208 GOB
The Package Unit HVAC Component Requires Replacement	Capital Renewal	1	TonAC	3	\$2,327	205192 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$6,082</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	60	Ea.	3	\$21,948	Rollup
The 1 X 4 Interior Fluorescent Light Fixture Requires Replacement	Capital Renewal	5	Ea.	3	\$1,749	212060
The 2 X 4 Interior Fluorescent Lighting Requires Replacement	Capital Renewal	33	Ea.	3	\$18,361	212059
Room lacks controls to partially dim lights.	Educational Adequacy	1	Ea.	5	\$779	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$42,838</b>	

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**Building: 17 - Agriculture Labs**

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks shut-off valves for utilities.	Code Compliance	1	Ea.	2	\$2,711	Rollup
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	3	Ea.	2	\$4,070	Rollup
Prep room lacks a sink.	Educational Adequacy	1	Ea.	3	\$4,450	Rollup
The Refrigerated Water Cooler Requires Replacement	Capital Renewal	1	Ea.	3	\$2,362	205209
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$13,592</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	1	Ea.	2	\$3,684	Rollup
Room lacks Interactive White Board	Educational Adequacy	1	Ea.	2	\$2,722	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$22,155</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks an appropriate eyewash.	Educational Adequacy	1	Ea.	2	\$2,295	Rollup
Room lacks an appropriate refrigerator.	Educational Adequacy	1	Ea.	3	\$5,253	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$7,548</b>	

**Other**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Provide renovation of restrooms associated with educational adequacy renovations	Capital Renewal	1	LS	2	\$25,000	316342 GOB
STEM lab requires renovation based on condition of room(s)	Capital Renewal	1	LS	2	\$99,328	316043 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$124,328</b>	
<b>Sub Total for Building 17 - Agriculture Labs</b>		<b>23</b>	<b>items</b>		<b>\$266,996</b>	

**Building: 18 - Storage**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	600	SF	1	\$7,608	208102 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$7,608</b>	
<b>Sub Total for Building 18 - Storage</b>		<b>1</b>	<b>items</b>		<b>\$7,608</b>	

**Building: 20 - Building 20**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	28,700	SF	1	\$349,203	208103 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$349,203</b>	

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	5	Ea.	3	\$855	Rollup
Room has insufficient writing area.	Educational Adequacy	10	Ea.	3	\$10,386	Rollup
Room has insufficient tackboard area.	Educational Adequacy	15	Ea.	4	\$5,780	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	15	Ea.	4	\$9,072	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$26,094</b>	

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**School Deficiency Listing**

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**Building: 20 - Building 20**

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	2	Ea.	3	\$731	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$731</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks shut-off valves for utilities.	Code Compliance	3	Ea.	2	\$8,134	Rollup
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	15	Ea.	2	\$20,348	Rollup
Prep room lacks a sink.	Educational Adequacy	1	Ea.	3	\$4,450	Rollup
Room lacks a drinking fountain.	Educational Adequacy	2	Ea.	5	\$1,918	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$34,850</b>	

**Fire and Security**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Install Fire Sprinklers	Code Compliance	1,040	SF	1	\$8,604	Rollup GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$8,604</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient dataports.	Educational Adequacy	30	Ea.	2	\$5,190	Rollup GOB
Room lacks Interactive White Board	Educational Adequacy	4	Ea.	2	\$10,887	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	1,400	LF	2	\$31,499	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$47,575</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Lab lacks an air exchange system.	Educational Adequacy	4	Ea.	2	\$57,254	Rollup
Lab lacks gas service at lab tables.	Educational Adequacy	2	Ea.	3	\$23,405	Rollup
Room lacks an appropriate refrigerator.	Educational Adequacy	5	Ea.	3	\$26,266	Rollup
Room lacks the required demonstration table.	Educational Adequacy	2	Ea.	3	\$14,927	Rollup
Blinds are missing or in poor condition.	Educational Adequacy	240	SF Surf	4	\$6,783	Rollup
Lab lacks an appropriate fume hood.	Educational Adequacy	10	Ea.	4	\$196,359	Rollup
<b>Sub Total for System</b>		<b>6</b>	<b>items</b>		<b>\$324,993</b>	
<b>Sub Total for Building 20 - Building 20</b>		<b>20</b>	<b>items</b>		<b>\$792,050</b>	

**Building: 21 - Administration**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	3,300	SF	1	\$40,152	208104 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$40,152</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Air Handler HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$53,257	205247 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$53,257</b>	

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**Building: 21 - Administration**

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$15,749</b>	
<b>Sub Total for Building 21 - Administration</b>		<b>3</b>	<b>items</b>		<b>\$109,159</b>	

**Building: 22 - Storage**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	1,000	SF	1	\$12,436	208105 GQB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$12,436</b>	
<b>Sub Total for Building 22 - Storage</b>		<b>1</b>	<b>items</b>		<b>\$12,436</b>	

**Building: 23 - Building 23**

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom doors lack appropriate signs.	Educational Adequacy	2	Ea.	3	\$342	Rollup
Room has insufficient tackboard area.	Educational Adequacy	8	Ea.	4	\$3,083	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$3,425</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks shut-off valves for utilities.	Code Compliance	4	Ea.	2	\$10,845	Rollup
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	1	Ea.	2	\$1,357	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$12,202</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$15,749</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Lab lacks an air exchange system.	Educational Adequacy	4	Ea.	2	\$57,254	Rollup
Room lacks an appropriate refrigerator.	Educational Adequacy	4	Ea.	3	\$21,013	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$78,267</b>	
<b>Sub Total for Building 23 - Building 23</b>		<b>7</b>	<b>items</b>		<b>\$109,643</b>	

**Building: 24 - Laboratory**

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom Door Requires Vision Panel	Educational Adequacy	1	Ea.	3	\$373	Rollup
Room has insufficient writing area.	Educational Adequacy	1	Ea.	3	\$1,039	Rollup
Room has insufficient tackboard area.	Educational Adequacy	1	Ea.	4	\$385	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	14	Ea.	4	\$8,487	Rollup
<b>Sub Total for System</b>		<b>4</b>	<b>items</b>		<b>\$10,265</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Fan Coil HVAC Component Requires Replacement	Capital Renewal	1	Ea.	3	\$3,673	205270 GQB

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**Building: 24 - Laboratory**

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Package Unit HVAC Component Requires Replacement	Capital Renewal	1	TonAC	3	\$2,277	205264 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$5,960</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	42	Ea.	3	\$15,362	Rollup
Room lacks controls to partially dim lights.	Educational Adequacy	1	Ea.	5	\$779	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$16,142</b>	

**Plumbing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks shut-off valves for utilities.	Code Compliance	1	Ea.	2	\$2,711	Rollup
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	Educational Adequacy	2	Ea.	2	\$2,713	Rollup
Prep room lacks a sink.	Educational Adequacy	1	Ea.	3	\$4,450	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$9,874</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	1	Ea.	2	\$3,884	Rollup
Room lacks Interactive White Board	Educational Adequacy	1	Ea.	2	\$2,722	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$22,155</b>	

**Specialties**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks an appropriate refrigerator.	Educational Adequacy	1	Ea.	3	\$5,253	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$5,253</b>	
<b>Sub Total for Building 24 - Laboratory</b>		<b>16</b>	<b>items</b>		<b>\$69,640</b>	

**Building: 26 - Classroom**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	100	SF	1	\$1,217	208106 GOB
Roof Equipment requires Cabling	Code Compliance	4	Ea.	1	\$671	208107 GOB
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$1,888</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	78	Ea.	3	\$28,530	Rollup
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$28,530</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	7	Ea.	2	\$25,789	Rollup
Room lacks Interactive White Board	Educational Adequacy	8	Ea.	2	\$21,773	Rollup
The Computer Closet Requires Fiber Optic Access to CER	Functional Deficiency	700	LF	2	\$15,749	Rollup
<b>Sub Total for System</b>		<b>3</b>	<b>items</b>		<b>\$63,312</b>	
<b>Sub Total for Building 26 - Classroom</b>		<b>6</b>	<b>items</b>		<b>\$93,731</b>	

**Broward County Public Schools**

**School Deficiency Listing**

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**Building: 27 - Cafeteria Patio**

**Roofing**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Reroofing with new Decking Required (Broward CPS)	Capital Renewal	100	SF	1	\$1,217	208108 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$1,217</b>	
<b>Sub Total for Building 27 - Cafeteria Patio</b>		<b>1</b>	<b>items</b>		<b>\$1,217</b>	

**Building: 85 - Classroom**

**Interior**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Classroom Door Requires Vision Panel	Educational Adequacy	1	Ea.	3	\$373	Rollup
Classroom doors lack appropriate signs.	Educational Adequacy	2	Ea.	3	\$342	Rollup
Room has insufficient writing area.	Educational Adequacy	2	Ea.	3	\$2,077	Rollup
Room has insufficient tackboard area.	Educational Adequacy	1	Ea.	4	\$385	Rollup
Room lacks appropriate amount of teacher storage.	Educational Adequacy	1	Ea.	4	\$605	Rollup
<b>Sub Total for System</b>		<b>5</b>	<b>items</b>		<b>\$3,783</b>	

**Mechanical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
The Package Unit HVAC Component Requires Replacement	Capital Renewal	1	TonAC	3	\$2,277	205278 GOB
<b>Sub Total for System</b>		<b>1</b>	<b>items</b>		<b>\$2,277</b>	

**Electrical**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room has insufficient electrical outlets.	Educational Adequacy	30	Ea.	3	\$10,973	Rollup
Room lacks controls to partially dim lights.	Educational Adequacy	1	Ea.	5	\$779	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$11,752</b>	

**Technology**

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Room lacks Fixed Projector	Educational Adequacy	1	Ea.	2	\$3,684	Rollup
Room lacks Interactive White Board	Educational Adequacy	1	Ea.	2	\$2,722	Rollup
<b>Sub Total for System</b>		<b>2</b>	<b>items</b>		<b>\$6,406</b>	
<b>Sub Total for Building 85 - Classroom</b>		<b>10</b>	<b>items</b>		<b>\$24,218</b>	
<b>Total for Permanent Buildings</b>		<b>426</b>	<b>items</b>		<b>\$31,623,374</b>	
<b>Total for Portable Buildings</b>					<b>\$157,624</b>	
<b>Total for Campus</b>					<b>\$31,780,997</b>	



2.4.4 MAPPS Deficiency Data

Def Aves ID	Bldg Name	Building Number	Building Name	Def Description	Def Nbrs	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost
6400	Stranahan Senior High School	20	Building 20	Install Fire Sprinklers	FY1213 INSTALL FIRE SPRINKLERS/GROUP RESTROOM/BLDG 20, F557/SEE RAY KOWALSKI-SAFETY INSP 321-4200	9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	240	SF	\$1,986
6401	Stranahan Senior High School	20	Building 20	Install Fire Sprinklers	FY1519 INSTALL FIRE SPRINKLERS/GROUP RESTROOM/BLDG 20, F559/SEE RAY KOWALSKI-SAFETY INSP 321-4200	9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	240	SF	\$1,986
204508	Stranahan Senior High School	01	Building 1	The Fork Lighting Is Damaged And Should Be Replaced		7	Electrical	Electrical Transformers	Capital Renewal	2	Indirect Impact to Mission (1 Year)	4	Ea	\$2,110
204509	Stranahan Senior High School	01	Building 1	The Electrical Transformer Requires Replacement		7	Electrical	Electrical Transformers	Capital Renewal	2	Indirect Impact to Mission (1 Year)	130	Ea	\$859,179
6402	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	133	SF	\$1,319
6403	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	133	SF	\$1,147
6404	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	133	SF	\$1,147
6405	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	32	SF	\$276
6406	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	32	SF	\$276
6407	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	1673	SF	\$14,426
6408	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	26	SF	\$207
6409	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	35	SF	\$207
6410	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	2096	SF	\$24,988
6411	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	130	SF	\$1,121
6412	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	130	SF	\$1,121
6413	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	130	SF	\$1,121
6414	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	64	SF	\$662
6415	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	129	SF	\$1,112
6416	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	250	SF	\$2,318
6417	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	129	SF	\$1,112
6418	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	25	SF	\$216
6419	Stranahan Senior High School	02	Auditorium	Install Fire Sprinklers		9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	1	Ea	\$26,262
204522	Stranahan Senior High School	01	Building 1	Switchgear Is Needed Or Requires Replacement		7	Electrical	Electrical Switchgear and Protection Devices	Capital Renewal	1	Mission Critical Concerns	1	Ea	\$23,217
6420	Stranahan Senior High School	20	Building 20	Install Fire Sprinklers	FY 0508 INSTALL DOMESTIC FIRE SPRINKLER/BLDG 20, F510, F512, FDM1-HD, TEB, 1509/07, C FRAWLEY NOTIFIED	9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	288	SF	\$2,317
6422	Stranahan Senior High School	20	Building 20	Install Fire Sprinklers	FY 0508 INSTALL DOMESTIC FIRE SPRINKLER/BLDG 20, F510, F512, FDM1-HD, TEB, 1509/07, C FRAWLEY NOTIFIED	9	Fire and Security	Water-Easter Fire Suppression	Code Compliance	1	Mission Critical Concerns	288	SF	\$2,317
204524	Stranahan Senior High School	01	Building 1	The Electrical Transformer Requires Replacement		7	Electrical	Electrical Transformer	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$10,751
211010	Stranahan Senior High School	01	Building 1	The Electrical Disconnect Requires Replacement		7	Electrical	Electrical Wiring Devices	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$1,702
21180	Stranahan Senior High School	01	Building 1	The Aluminum Window Is Damaged And Requires Replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	2288	SF	\$341,286

Deficiency Data Grid  
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Def/Assess ID	Site Name	Building Number	Building Name	Deficiency Description	Def Note	System ID	System Name	Uniform Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost														
65472	Stranahan Senior High School	01	Building 1	1000 Fire Sprinklers		9	Fire and Security	Water-Based Fire Suppression	Code Compliance	1	Mission Critical Concerns	42345	SF	\$365,118														
204600	Stranahan Senior High School	01	Building 1	The Exterior Condenser Requires Replacement	Qty 1 @ 3 = 3 TonAC total	6	Mechanical	Evaporative Air-Cooling	Capital Renewal	1	Mission Critical Concerns	1	Ea	\$4,158														
204601	Stranahan Senior High School	01	Building 1	The Air Handler HVAC Component Requires Replacement	Qty 3 @ 7.57(1040) = 60,000 CFM total	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	3	Ea	\$165,212														
204631	Stranahan Senior High School	01	Building 1	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	42345	SF	\$189,243														
204632	Stranahan Senior High School	01	Building 1	The Exterior Condensing Unit Requires Replacement		6	Mechanical	Evaporative Air-Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	Ea	\$6,441														
204633	Stranahan Senior High School	01	Building 1	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	2	Ea	\$219,077														
204634	Stranahan Senior High School	01	Building 1	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$189,877														
204635	Stranahan Senior High School	01	Building 1	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Water-Cooled	Capital Renewal	3	Short Term Conditions (2-3 Years)	50	Ea	\$155,594														
204636	Stranahan Senior High School	01	Building 1	Duct Heater Requires Replacement		6	Mechanical	Decentralized Heating Equipment	Capital Renewal	3	Short Term Conditions (2-3 Years)	5	Ea	\$25,815														
206561	Stranahan Senior High School	01	Building 1	Controls Require Repair		6	Mechanical	Decentralized Cooling	Deferred Maintenance	2	Indirect Impact to Mission (1 Year)	42345	SF	\$67,292														
206395	Stranahan Senior High School	01	Building 1	Roofing with new Roofing Required		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	23950	SF	\$302,436														
204641	Stranahan Senior High School	02	Auditorium	The Parabolic Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$7,878														
204672	Stranahan Senior High School	02	Auditorium	The Parabolic Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	6	Ea	\$35,231														
204674	Stranahan Senior High School	02	Auditorium	The Parabolic Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	6	Ea	\$69,218														
65473	Stranahan Senior High School	02	Auditorium	1000 Fire Sprinklers		9	Fire and Security	Water-Based Fire Suppression	Code Compliance	1	Mission Critical Concerns	19252	SF	\$19,110														
204650	Stranahan Senior High School	02	Auditorium	The Roof Condenser Requires Replacement	Qty 1 @ 80 = 80 TonAC total	6	Mechanical	Central Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	TonAC	\$1,148														
204651	Stranahan Senior High School	02	Auditorium	Controls Are Inadequate And Should Be Replaced With DDC Controls	1 Qty 10,000 = 10,000 CFM	6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	TonAC	\$2,873														
204652	Stranahan Senior High School	02	Auditorium	The Exterior Condenser Requires Replacement	Qty 1 @ 80 = 80 TonAC	6	Mechanical	Evaporative Air-Cooling	Capital Renewal	1	Mission Critical Concerns	1	Ea	\$4,158														
204653	Stranahan Senior High School	02	Auditorium	The Air Handler HVAC Component Requires Replacement	2 Qty 10,000 = 90,000 CFM	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	2	Ea	\$111,008														
204654	Stranahan Senior High School	02	Auditorium	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	19252	SF	\$71,156														
204655	Stranahan Senior High School	02	Auditorium	The Exterior Condenser Requires Replacement		6	Mechanical	Evaporative Air-Cooling	Capital Renewal	1	Mission Critical Concerns	1	Ea	\$9,200														
204656	Stranahan Senior High School	02	Auditorium	Outdoor Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$118,006														
204657	Stranahan Senior High School	02	Auditorium	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$189,877														
206562	Stranahan Senior High School	02	Auditorium	Controls Require Repair		6	Mechanical	Decentralized Heating Equipment	Capital Renewal	2	Indirect Impact to Mission (1 Year)	16252	SF	\$24,237														
212007	Stranahan Senior High School	02	Auditorium	Complete HVAC System Wide Replacement	Add air conditioning to restroom and stairwell areas.	6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1,000	SF	\$53,433														
206396	Stranahan Senior High School	02	Auditorium	Roofing with new Roofing Required		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	11028	SF	\$139,843														

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Def/Assess ID	Site Name	Building Number	Building Name	Deficiency Description	Def Note	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost	GC#														
204683	Stranahan Senior High School	03	Building 3	Recessed Top Unit Requires Replacement	Qty 1 @ 15 = 15 Tonnage		6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	1 Ea	\$17,820	GC8														
204688	Stranahan Senior High School	03	Building 3	The Packaged Unit HVAC Component Requires Replacement	Qty 1 @ 15 = 15 Tonnage		6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	1 Tonnage	\$42,374	GC8														
204714	Stranahan Senior High School	03	Building 3	The Fan Coil HVAC Component Requires Replacement			6 Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	1 Ea	\$11,407	GC8														
204718	Stranahan Senior High School	03	Building 3	The Infrared Gas Radiant Heater Requires Replacement			6 Mechanical	Decentralized Heating Equipment	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	1 Ea	\$3,297	GC8														
206389	Stranahan Senior High School	03	Building 3	Sealing with new Dowling Required (Broward CPS)			2 Roofing	Low-Slope Roofing	Capital Renewal	1	Major Critical Concerns	4830	SF	\$69,931	GC8														
204733	Stranahan Senior High School	04	Building 4	The Aluminum Window Is Damaged And Requires Replacement	Qty 38 @ 472, 140000		4 Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	38	SF	\$9,670	GC8														
204734	Stranahan Senior High School	04	Building 4	The Aluminum Window Is Damaged And Requires Replacement			4 Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	36	SF	\$9,222	GC8														
204736	Stranahan Senior High School	04	Building 4	The Aluminum Window Is Damaged And Requires Replacement			4 Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	3	SF	\$448	GC8														
204724	Stranahan Senior High School	04	Building 4	The Air Handler HVAC Component Requires Replacement	2 Qty @ 100 = 13000 CFM		6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	2	1 Ea	\$11,008	GC8														
204726	Stranahan Senior High School	04	Building 4	The HVAC Terminal Device Requires Replacement	Qty 8 @ 5 Ton		6 Mechanical	Interior Louvers	Capital Renewal	3	Short Term Conditions (2-3 Years)	8	1 Ea	\$1,283	GC8														
204749	Stranahan Senior High School	04	Building 4	Controls Are Inadequate and Should Be Replaced With DDC Controls			6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	17599	SF	\$62,104	GC8														
204752	Stranahan Senior High School	04	Building 4	The Fan Coil (Chilled Water) HVAC Component Requires Replacement			6 Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	8	1 Ea	\$84,478	GC8														
204758	Stranahan Senior High School	04	Building 4	The Air Handler HVAC Component Requires Replacement			6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	1 Ea	\$69,504	GC8														
204759	Stranahan Senior High School	04	Building 4	The Air Handler HVAC Component Requires Replacement			6 Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	1 Ea	\$109,259	GC8														
204757	Stranahan Senior High School	04	Building 4	The Infrared Gas Radiant Heater Requires Replacement			6 Mechanical	Decentralized Heating Equipment	Capital Renewal	3	Short Term Conditions (2-3 Years)	16	1 Ea	\$62,768	GC8														
206500	Stranahan Senior High School	04	Building 4	Controls Require Repair			6 Mechanical	Decentralized Cooling	Deferred Maintenance	2	Indirect Impact to Mission (1 Year)	17599	SF	\$27,567	GC8														
212019	Stranahan Senior High School	04	Building 4	Complete HVAC System M&B Replacement	add hvac to classrooms		6 Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	178	SF	\$9,951	GC8														
315317	Stranahan Senior High School	04	Building 4	Water Control requires replacement in location of rooms	Room design = 380		26 Other	Educational Program Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	1 LS	\$67,269	GC8														
206388	Stranahan Senior High School	04	Building 4	Recoiling with new Dowling Required (Broward CPS)			2 Roofing	Low-Slope Roofing	Capital Renewal	1	Major Critical Concerns	17599	SF	\$283,168	GC8														
212018	Stranahan Senior High School	05	Building 5	The Aluminum Window Is Damaged And Requires Replacement			4 Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	94	SF	\$12,833	GC8														
204764	Stranahan Senior High School	05	Building 5	The Air Handler HVAC Component Requires Replacement	1 Qty 40,000 = 40,000 CFM		6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	1 Ea	\$69,504	GC8														
204770	Stranahan Senior High School	05	Building 5	Controls Are Inadequate and Should Be Replaced With DDC Controls			6 Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	21348	SF	\$69,996	GC8														
204780	Stranahan Senior High School	05	Building 5	The Infrared Gas Radiant Heater Requires Replacement			6 Mechanical	Decentralized Heating Equipment	Capital Renewal	3	Short Term Conditions (2-3 Years)	16	1 Ea	\$62,768	GC8														

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Def/Assess ID	Site Name	Building Number	Building Name	Deficiency Description	Def Note	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost	GC#													
204781	Stranahan Senior High School	05	Building 5	The HVAC Circulating Filter Requires Replacement		6	Mechanical	Centralized Cooling	Electrical Maintenance	2	Indirect Impact to Mission (1 Year)	1	E.a	\$61,916	GC#													
204782	Stranahan Senior High School	05	Building 5	The AV Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	E.a	\$198,277	GC#													
204783	Stranahan Senior High School	05	Building 5	The HVAC Terminal Device Requires Replacement		6	Mechanical	Interior Louvers	Capital Renewal	3	Short Term Conditions (2-3 Years)	20	E.a	\$78,134	GC#													
206558	Stranahan Senior High School	05	Building 5	Controls Require Repair		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	21,346	SF	\$53,225	GC#													
211200	Stranahan Senior High School	05	Building 5	Complete HVAC System Wide Replacement	add note to restrooms	6	Mechanical	Centralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	10,958	SF	\$56,876	GC#													
316302	Stranahan Senior High School	05	Building 5	STEVIA requires renovation based on condition of rooms	Room design = 12	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$14,098	GC#													
316418	Stranahan Senior High School	05	Building 5	Provide renovation of restrooms associated with educational adequacy renovations	Room design = 812616	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$198,750	GC#													
206389	Stranahan Senior High School	06	Building 6	Install new sensor required (Blowdown CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	21,346	SF	\$270,768	GC#													
211223	Stranahan Senior High School	06	Building 6	The Aluminum Window Is Damaged And Requires Replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	4	SF	\$3,281	GC#													
211224	Stranahan Senior High School	06	Building 6	The Aluminum Window Is Damaged And Requires Replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	64	SF	\$9,249	GC#													
211225	Stranahan Senior High School	06	Building 6	The Aluminum window is damaged and requires replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	18	SF	\$2,886	GC#													
204789	Stranahan Senior High School	06	Building 6	The AV Handler HVAC Component Requires Replacement	1 Qty 20,000 = 20,000 CFM	6	Mechanical	Centralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	E.a	\$65,004	GC#													
204917	Stranahan Senior High School	06	Building 6	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	20,958	SF	\$96,276	GC#													
204919	Stranahan Senior High School	06	Building 6	The HVAC Terminal Device Requires Replacement		6	Mechanical	Interior Louvers	Capital Renewal	3	Short Term Conditions (2-3 Years)	12	E.a	\$45,280	GC#													
204918	Stranahan Senior High School	06	Building 6	The AV Handler HVAC Component Requires Replacement		6	Mechanical	Centralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	E.a	\$162,896	GC#													
204922	Stranahan Senior High School	06	Building 6	The Infrared Gas Radiant Heater Requires Replacement		6	Mechanical	Decentralized Heating Equipment	Capital Renewal	3	Short Term Conditions (2-3 Years)	4	E.a	\$46,164	GC#													
206552	Stranahan Senior High School	06	Building 6	Controls Require Repair		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	20,958	SF	\$52,228	GC#													
316328	Stranahan Senior High School	06	Building 6	STEVIA requires renovation based on condition of rooms	Room design = 23	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$172,805	GC#													
316330	Stranahan Senior High School	06	Building 6	Provide renovation of restrooms associated with educational adequacy renovations	Room design = 812616	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$63,000	GC#													
206390	Stranahan Senior High School	06	Building 6	Roofing with new flashing required (Blowdown CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	21,726	SF	\$279,527	GC#													
204939	Stranahan Senior High School	07	Building 7	The Aluminum window is damaged and requires replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	6	SF	\$746	GC#													
204943	Stranahan Senior High School	07	Building 7	The AV Handler HVAC Component Requires Replacement	1 Qty 40,000 = 40,000 CFM	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	E.a	\$65,004	GC#													
204922	Stranahan Senior High School	07	Building 7	The HVAC Terminal Device Requires Replacement	AVAV	6	Mechanical	Interior Louvers	Capital Renewal	3	Short Term Conditions (2-3 Years)	20	E.a	\$78,134	GC#													

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Def/Assess ID	Site Name	Building Number	Building Name	Deficiency Description	Def Note	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost														
204950	Stranahan Senior High School	07	Building 7	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	17922	SF	\$63,518														
204952	Stranahan Senior High School	07	Building 7	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$199,277														
204953	Stranahan Senior High School	07	Building 7	The HVAC Terminal Device Requires Replacement		6	Mechanical	Linear Louvers	Capital Renewal	3	Short Term Conditions (2-3 Years)	13	Ea	\$60,187														
204954	Stranahan Senior High School	07	Building 7	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Heating Equipment	Capital Renewal	3	Short Term Conditions (2-3 Years)	13	Ea	\$42,866														
204551	Stranahan Senior High School	07	Building 7	Controls Require Repair		6	Mechanical	Decentralized Cooling	Deferred Maintenance	2	Indirect Impact to Mission (1 Year)	17922	SF	\$28,449														
212037	Stranahan Senior High School	07	Building 7	Complete HVAC System and AC to restrooms		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	578	SF	\$19,284														
316308	Stranahan Senior High School	07	Building 7	STEVIU requires replacement based on condition of cooling	Room design = 221	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$224,847														
316309	Stranahan Senior High School	07	Building 7	Controls are inadequate and should be replaced with educational adequacy renovations	Room design = 616/616	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$72,250														
206309	Stranahan Senior High School	07	Building 7	Working with new Decoding Required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	20920	SF	\$265,027														
206304	Stranahan Senior High School	08	Building Support	The Electrical Transformer Requires Replacement		7	Electrical	Packaged Generator Assemblies	Capital Renewal	2	Indirect Impact to Mission (1 Year)	2	Ea	\$17,792														
206306	Stranahan Senior High School	08	Building Support	The Fan Coil Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$2,927														
206307	Stranahan Senior High School	08	Building Support	The Parahand Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	2	Ea	\$15,865														
204987	Stranahan Senior High School	08	Building Support	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Short Term Conditions (2-3 Years)	2145	SF	\$10,207														
204988	Stranahan Senior High School	08	Building Support	The Exterior Metal Ceiling Tower is Inadequate Requires Replacement		6	Mechanical	Central Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$65,637														
204989	Stranahan Senior High School	08	Building Support	The Chiller HVAC Component is Damaged And Requires Replacement		6	Mechanical	Central Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	Ea	\$207,423														
206392	Stranahan Senior High School	08	Building Support	Working with new Decoding Required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	14500	SF	\$183,271														
65420	Stranahan Senior High School	09	Building 9	Controls Require Repair		9	Fire and Security	Water-Based Fire Suppression System	Code Compliance	1	Mission Critical Concerns	12132	SF	\$104,608														
206012	Stranahan Senior High School	09	Building 9	The Fan Coil (Chilled Water) HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	12135	SF	\$19,284														
206017	Stranahan Senior High School	09	Building 9	The Fan Coil (Chilled Water) HVAC Component Requires Replacement	Qty 2 @ 5 Tons = 10 TonAC	6	Mechanical	Decentralized Cooling	Capital Renewal	2	Short Term Conditions (2-3 Years)	2	Ea	\$3,866														
206019	Stranahan Senior High School	09	Building 9	The Window AC Unit Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	Ea	\$2,140														
206029	Stranahan Senior High School	09	Building 9	Controls Are Inadequate And Should Be Replaced With DDC Controls		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	12132	SF	\$65,599														
206037	Stranahan Senior High School	09	Building 9	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	Ea	\$65,504														



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Def/Assess ID	Site Name	Building Number	Building Name	Deficiency Description	Def Note	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost	GC8													
206390	Stranahan Senior High School	09	Building 9	The Fan Coil HVAC Component Requires Replacement		6	Mechanical	Decentralized Ceiling	Capital Renewal	3	Short Term Conditions (2-3 Years)	2 Ea		\$7,666	GC8													
21241	Stranahan Senior High School	09	Building 9	Complete HVAC System Wide Replacement	add ac to restrooms	6	Mechanical	Decentralized Ceiling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	320 SF		\$11,702	GC8													
316344	Stranahan Senior High School	09	Building 9	STEM lab requires renovation based on condition of rooms	Room design = 241	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1 LS		\$381,436	GC8													
316129	Stranahan Senior High School	09	Building 9	STEM lab requires renovation based on condition of rooms	Room design = 245	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1 LS		\$146,284	GC8													
316350	Stranahan Senior High School	09	Building 9	Storage room requires renovation associated with educational adequacy renovations	Room design = 810916	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1 LS		\$37,260	GC8													
206393	Stranahan Senior High School	09	Building 9	Roofing with new flashing required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	14232 SF		\$180,472	GC8													
206395	Stranahan Senior High School	10	Physical Education Building	The Parabolic Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	12 Ea		\$35,129	GC8													
206396	Stranahan Senior High School	10	Physical Education Building	The Parabolic Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	16 Ea		\$166,856	GC8													
213447	Stranahan Senior High School	10	Physical Education Building	Complete HVAC System Wide Replacement		6	Mechanical	Decentralized Ceiling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	7568 SF		\$253,021	GC8													
206394	Stranahan Senior High School	10	Physical Education Building	Roofing with new flashing required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	8770 SF		\$111,210	GC8													
206396	Stranahan Senior High School	11	Building 11	Roofing with new flashing required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	770 SF		\$9,764	GC8													
206130	Stranahan Senior High School	12	Caterina	The Roof Air Handler Requires Replacement		7	Electrical	Power Distribution	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1 Ea		\$11,122	GC8													
212400	Stranahan Senior High School	12	Caterina	The Electrical Circuit Capacity is Inadequate	add capacity to support security system for cherters	7	Electrical	Electrical Service	Functional Deficiency	2	Indirect Impact to Mission (1 Year)	2 EACH		\$1,763	GC8													
211420	Stranahan Senior High School	12	Caterina	The Aluminum Window is Damaged And Requires Replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	800 SF		\$119,266	GC8													
206394	Stranahan Senior High School	12	Caterina	The Roof Air Handler/Exhaust is Damaged And Requires Replacement	2 Qty 10,000 = 20,000 CFM	6	Mechanical	Decentralized Ceiling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	2 TON/AC		\$5,747	GC8													
206396	Stranahan Senior High School	12	Caterina	Complete Kitchen HVAC Installation For Non-Air-Conditioned Facility		6	Mechanical	Decentralized Ceiling	Functional Deficiency	2	Indirect Impact to Mission (1 Year)	6500 SF		\$179,063	GC8													
206397	Stranahan Senior High School	12	Caterina	Controls Require Repair		6	Mechanical	Decentralized Ceiling	Deferred Maintenance	2	Indirect Impact to Mission (1 Year)	12540 SF		\$19,528	GC8													
206107	Stranahan Senior High School	12	Caterina	The Air Handler HVAC Component Requires Replacement	2 Qty 10,000 = 20,000 CFM	6	Mechanical	Decentralized Ceiling	Capital Renewal	3	Short Term Conditions (2-3 Years)	2 Ea		\$111,408	GC8													
206129	Stranahan Senior High School	12	Caterina	Controls Are Inadequate to Support BE Replaced With DDC Controls		6	Mechanical	Decentralized Ceiling	Capital Renewal	2	Short Term Conditions (2-3 Years)	12540 SF		\$59,209	GC8													
206130	Stranahan Senior High School	12	Caterina	3rd Floor Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Ceiling	Capital Renewal	2	Indirect Impact to Mission (1 Year)	2 Ea		\$465,539	GC8													
206396	Stranahan Senior High School	12	Caterina	Roofing with new flashing required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	17540 SF		\$223,815	GC8													
206141	Stranahan Senior High School	13	Swimming Pool Locker Rooms	The Window AC Unit Component Requires Replacement		6	Mechanical	Decentralized Ceiling	Capital Renewal	3	Short Term Conditions (2-3 Years)	2 Ea		\$4,280	GC8													
206397	Stranahan Senior High School	13	Swimming Pool Locker Rooms	Roofing with new flashing required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	4900 SF		\$71,812	GC8													
206152	Stranahan Senior High School	14	Gym Lockers	The Aluminum Window is Damaged And Requires Replacement	2x3	4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect Impact to Mission (1 Year)	32 SF		\$4,775	GC8													



Deficiency Data Grid  
Thursday, October 22,  
2015 7:54 AM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Def/Assess ID	Site Name	Building Number	Building Name	Deficiency Description	Def Notes	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost														
212057	Stranahan Senior High School	14	Gym Lockers	Complete HVAC System with new Replacements		6	Mechanical	Centralized Cooling	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	6500	SF	\$195,886														
206990	Stranahan Senior High School	14	Gym Lockers	Flooding Required (Board/CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	10755	SF	\$156,208														
206159	Stranahan Senior High School	15	Gymnasium	The Electrical Transformer Requires Replacement	Qty 2 = 60 Amps	7	Electrical	Packaged Generator Assemblies	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	2	Ea	\$21,400														
206160	Stranahan Senior High School	15	Gymnasium	The Electrical Transformer Requires Replacement	Qty 1 = 75 KVA	7	Electrical	Packaged Generator Assemblies	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	1	Ea	\$10,751														
206171	Stranahan Senior High School	15	Gymnasium	The Electrical Transformer Requires Replacement		7	Electrical	Packaged Generator Assemblies	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	1	Ea	\$9,896														
212059	Stranahan Senior High School	15	Gymnasium	The Electrical Circuit Capacity Is Inadequate	999 electrical capacity	7	Electrical	Electrical Service	Functional Deficiency	2	Indirect: Impact to Mission (1 Year)	2	ACh	\$17,65														
206162	Stranahan Senior High School	15	Gymnasium	Controls Require Repair		6	Mechanical	Decentralized Cooling	Maintenance	2	Indirect: Impact to Mission (1 Year)	14544	SF	\$23,112														
206164	Stranahan Senior High School	15	Gymnasium	The Air Handler HVAC Controls Require Replacement	2 Qty @ 10,000 = 20,000 CFM	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	2	Ea	\$11,008														
206166	Stranahan Senior High School	15	Gymnasium	Controls are Inadequate and Should be Replaced With DDC Controls		6	Mechanical	Centralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	14544	SF	\$67,862														
206169	Stranahan Senior High School	15	Gymnasium	The Window A/C Unit Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	3	Ea	\$9,419														
206170	Stranahan Senior High School	15	Gymnasium	The Air Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	2	Ea	\$219,077														
206995	Stranahan Senior High School	15	Gymnasium	Flooding Required (Board/CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	14544	SF	\$184,429														
206178	Stranahan Senior High School	16	Building Support	The Aluminum Window Is Damaged And Requires Replacement		4	Exterior	Exterior Fixed Windows	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	1	SF	\$149														
206184	Stranahan Senior High School	16	Building Support	The Cast Iron Water Filter Requires Replacement		6	Mechanical	Heat Generation	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	1	Ea	\$111,190														
206100	Stranahan Senior High School	16	Building Support	Installing new Packaged HVAC System		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	700	SF	\$9,877														
206192	Stranahan Senior High School	17	Agriculture Labs	The Packaged Unit HVAC Component Requires Replacement	Qty 1 @ 5 = 5 Tonnac	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	Tonnac	\$2,227														
206208	Stranahan Senior High School	17	Agriculture Labs	The Fan Coil HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Conditions (2-3 Years)	1	Ea	\$3,784														
316149	Stranahan Senior High School	17	Agriculture Labs	SERV100 requires replacement on roof of building	Room design = 201	26	Other	Educational Improvement	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	1	LS	\$99,228														
316342	Stranahan Senior High School	17	Agriculture Labs	Proctor renovation of entrance associated with educational adequacy renovations	Room design = 816916	26	Other	Educational Enhancement Improvements	Capital Renewal	2	Indirect: Impact to Mission (1 Year)	1	LS	\$25,000														
206107	Stranahan Senior High School	17	Agriculture Labs	Flooding Required (Board/CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	2400	SF	\$29,846														
226568	Stranahan Senior High School	10	Physical Education Building	PE Weight Room Equipment and Ceiling is Missing		12	Specialties	Athletic Equipment	Capital Renewal	6	General Improvements	1	Ea	\$12,429														
206102	Stranahan Senior High School	18	Storage	Flooding Required (Board/CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	600	SF	\$7,608														
206103	Stranahan Senior High School	20	Building 20	Flooding Required (Board/CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	28700	SF	\$570,590														

Deficiency Data Grid  
Thursday, October 22,  
2015 7:34 AM

Def/Asset ID	Site Name	Building Number	Building Name	Deficiency Description	Def Note	System ID	System Name	Uniformat Description	Category Description	Priority	Priority Description	Quantity	Unit	TTL Cost
208203	Stranahan Senior High School	21	Administration	The AH-Handler HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Operations (2-3 Year)	1	Ea	\$63,207
208104	Stranahan Senior High School	21	Administration	Reroofing with new Decking Required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	3300	SF	\$40,152
208106	Stranahan Senior High School	22	Storage	Reroofing with new Decking Required (Broward CPS)		2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	1000	SF	\$12,436
208256	Stranahan Senior High School	24	Laboratory	The Unit HVAC Component Requires Replacement	Qty 1 @ 5 = 5 Total	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Operations (2-3 Year)	1	TonAC	\$2,271
208270	Stranahan Senior High School	24	Laboratory	The Fan Coil HVAC Component Requires Replacement		6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Operations (2-3 Year)	1	Ea	\$5,672
208106	Stranahan Senior High School	25	Classroom	Reroofing with new Decking Required (Broward CPS)	Pump House	2	Roofing	Low-Slope Roofing	Capital Renewal	1	Mission Critical Concerns	100	SF	\$1,217
208107	Stranahan Senior High School	26	Classroom	Roof Equipment requires Coating		2	Roofing	Roofing Supplementary Coating	Code Compliance	1	Mission Critical Concerns	4	Ea	\$671
208278	Stranahan Senior High School	86	Classroom	The Package Unit HVAC Component Requires Replacement	Qty 1 @ 3.5 = 3.5 Total	6	Mechanical	Decentralized Cooling	Capital Renewal	3	Short Term Operations (2-3 Year)	1	TonAC	\$2,277
204645	Stranahan Senior High School			The Pole Lighting Is Damaged And Should Be Replaced		7	Electrical	Parking Lot Lighting	Capital Renewal	2	Indirect Impact to Mission (1 Year)	37	Ea	\$166,969
220888	Stranahan Senior High School			Entire Fire Alarm System Needs to be Replaced	Model: 3030	9	Fire and Security	Fire Detection and Alarm	Capital Renewal	1	Mission Critical Concerns	1	LS	\$1,175,940
314504	Stranahan Senior High School			Aluminum Covered Walkways Require Replacement	Originaly part of roof replacement deficiency. Poles out separate to reflect covered walk canopy pricing.	2	Roofing	Canopy Roofing	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1545	SF	\$65,109
314505	Stranahan Senior High School			Aluminum Covered Walkways Require Replacement	Originaly part of roof replacement deficiency. Poles out separate to reflect covered walk canopy pricing.	2	Roofing	Canopy Roofing	Capital Renewal	2	Indirect Impact to Mission (1 Year)	548	SF	\$50,737
314506	Stranahan Senior High School			Aluminum Covered Walkways Require Replacement	Originaly part of roof replacement deficiency. Poles out separate to reflect covered walk canopy pricing.	2	Roofing	Canopy Roofing	Capital Renewal	2	Indirect Impact to Mission (1 Year)	3200	SF	\$19,697
318056	Stranahan Senior High School			The Access Is Not ADA Compliant	ADA Compliant Pairs	1	Site	Fire Escapes	ADA Compliance	2	Indirect Impact to Mission (1 Year)	20	Ea	\$70,000
318105	Stranahan Senior High School			Single Point of Entry Needs to be Installed		4	Exterior	Exterior Entrance Doors	Capital Renewal	2	Indirect Impact to Mission (1 Year)	1	LS	\$400,000

2.4.5 MAPPS Deficiency Detail

**Broward County Public Schools**

**Deficiency Detail**

**290 Stranahan Senior High School**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204588** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E01-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Pole Lighting Is Damaged And Should Be Replaced**

Category **Capital Renewal** System **Electrical**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**

Correction **Replace Pole Lighting** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	260533131870	Rigid galvanized steel conduit, 2" diameter, to 15' H, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	4	LF	23.00	\$92
U	265613103000	Light poles, anchor base, aluminum, 20' high, excl concrete bases	4	Ea.	1,650.00	\$6,600
U	260505503030	Metal light pole, 20' high, electrical demolition, remove, excl concrete bases	4	Ea.	207.00	\$828
U	265636202600	Floodlights, exterior, high pressure sodium, 1000 watt, incl ballast and lamp, excl pole	4	Ea.	1,050.00	\$4,200
<b>Sub Total</b>						<b>\$11,720</b>
					Construction Adjustment	35% 4,043
<b>Construction Cost</b>						<b>\$15,763</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	55% 8,613
<b>Total Estimated Amount</b>						<b>\$24,377</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204591** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E11-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Exterior Dry Type Transformer Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 15 kVA Dry Type Transformer** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260505101480	Transformer, dry type, primary, 3 phase, to 600 V, 15 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	150	Ea.	315.00	\$47,250	
U	262213103100	Transformer, dry-type, ventilated, 3 phase 480 V primary 120/208 V secondary, 15 kVA	150	Ea.	2,375.00	\$356,250	
U	262213905150	Transformer handling, add to normal labor cost in restricted areas, approximately 200 pounds, 15 kVA	150	Ea.	490.00	\$73,500	
<b>Sub Total</b>						<b>\$477,000</b>	
					Construction Adjustment	35%	164,565
<b>Construction Cost</b>						<b>\$641,565</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	350,551
<b>Total Estimated Amount</b>						<b>\$992,116</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204642** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E98-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **32992**

Deficiency **Switchgear Is Needed Or Requires Replacement**

Category **Capital Renewal** System **Electrical**

Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**

Correction **Replace 600 Amp Switchgear** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
A	D50102400240	Switchgear installation, incl switchboard, panels & circuit breaker, 120/208 V, 600 A	1	Ea.	13,625.00	\$13,625
U	260505353510	Switchboard, incoming section, 600 A, electrical demolition, remove	1	Ea.	400.00	\$400
<b>Sub Total</b>						<b>\$14,025</b>
					Construction Adjustment	35% 4,839
<b>Construction Cost</b>						<b>\$18,864</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	55% 10,307
<b>Total Estimated Amount</b>						<b>\$29,171</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204644** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E72-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **32991**

Deficiency **The Electrical Transformer Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 112.5 KVA Electrical Transformer** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519505410	Mineral insulated cable terminations, 1 conductor, 600 volt, 250 kcmil	1	Ea.	224.00	\$224	
U	262213103900	Transformer, dry-type, 3 phase 480 V primary 120/208 V secondary, 112.5 kVA	1	Ea.	5,125.00	\$5,125	
U	260505101530	Transformer, dry type, primary, 3 phase, to 600 V, 112.5 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	1	Ea.	620.00	\$620	
<b>Sub Total</b>						<b>\$5,969</b>	
					Construction Adjustment	35%	2,059
<b>Construction Cost</b>						<b>\$8,028</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	4,387
<b>Total Estimated Amount</b>						<b>\$12,415</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **211010** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E71-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Electrical Disconnect Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Electrical Disconnect** Quantity / UoM  
Project(s) Note **400 Amps**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	262419406420	Motor starter & nonfused disconnect, 1-2 pole, 240 volt, 5 HP motor	1	Ea.	780.00	\$780	
U	260505109000	Electrical demolition, minimum labor/equipment charge	1	Job	165.00	\$165	
<b>Sub Total</b>						<b>\$945</b>	
					Construction Adjustment	35%	326
					<b>Construction Cost</b>		<b>\$1,271</b>
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	694
					<b>Total Estimated Amount</b>		<b>\$1,966</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **211981** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	191	OPNG	169.00	\$32,223
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	191	Ea.	770.00	\$146,813
U	080505200280	Window demolition, aluminum, to 50 S.F.	191	Ea.	96.50	\$18,399
<b>Sub Total</b>						<b>\$197,435</b>
					Construction Adjustment	35% 68,115
<b>Construction Cost</b>						<b>\$265,551</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 128,659
<b>Total Estimated Amount</b>						<b>\$394,210</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **65402** Surveyor/Update  
Deficiency Code ID **BP20-01**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Install Fire Sprinklers**  
Category **Code Compliance** System **Fire and Security**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Install Fire Sprinkler System** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	095123100400	Suspended acoustic ceiling tiles, fiberglass boards, film faced, 2' x 2' or 2' x 4' x 3/4" thick	11,763	SF	2.84	\$33,406
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	11,763	SF	0.64	\$7,528
A	D40104101100	Wet pipe sprinkler systems, steel, ordinary hazard, 1 floor, 50,000 SF	42,345	SF	4.02	\$170,227
<b>Sub Total</b>						<b>\$211,160</b>
Construction Adjustment						35% 72,850
<b>Construction Cost</b>						<b>\$284,011</b>
Adjustment Factor						0% 0
Soft Cost Adjustment						48% 137,603
<b>Total Estimated Amount</b>						<b>\$421,614</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **65403** Surveyor/Update  
Deficiency Code ID **BP20-01**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Install Fire Sprinklers**  
Category **Code Compliance** System **Fire and Security**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Install Fire Sprinkler System** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	095123100400	Suspended acoustic ceiling tiles, fiberglass boards, film faced, 2' x 2' or 2' x 4' x 3/4" thick	4,237	SF	2.84	\$12,032
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	4,237	SF	0.64	\$2,711
A	D40104101100	Wet pipe sprinkler systems, steel, ordinary hazard, 1 floor, 50,000 SF	15,252	SF	4.02	\$61,313
<b>Sub Total</b>						<b>\$76,057</b>
Construction Adjustment						35% 26,240
<b>Construction Cost</b>						<b>\$102,296</b>
Adjustment Factor						0% 0
Soft Cost Adjustment						48% 49,562
<b>Total Estimated Amount</b>						<b>\$151,859</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204600** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M02-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Exterior Condenser Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Replace 3 ton Exterior Condenser** Quantity / UoM  
Project(s) Note **Qty 1 @ 3 = 3 TonAC total**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	236313101630	Condenser, ratings are for air cooled, direct drive, propeller fan, 30Deg,F temperature difference, 3 ton, R-22	1	Ea.	1,725.00	\$1,725	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	1	Job	680.00	\$680	
<b>Sub Total</b>						<b>\$2,405</b>	
					Construction Adjustment	35%	830
<b>Construction Cost</b>						<b>\$3,235</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	1,567
<b>Total Estimated Amount</b>						<b>\$4,802</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204601** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **Qty 3 @ 7.5/10/40 = 60,000 CFM total**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	3	Ea.	26,000.00	\$78,000	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	3	Ea.	820.00	\$2,460	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	3	Day	1,600.00	\$4,800	
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	750	Lb	13.40	\$10,050	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	3	Ea.	330.00	\$990	
<b>Sub Total</b>						<b>\$96,300</b>	
					Construction Adjustment	35%	33,223
<b>Construction Cost</b>						<b>\$129,523</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	62,754
<b>Total Estimated Amount</b>						<b>\$192,278</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID	<b>204631</b>	Surveyor/Update	<b>Abigail Zerbe</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204632** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M02-03b**  
Status **Estimated** FCI **Yes**  
Life Cycle **32960**

Deficiency **The Exterior Condensing Unit Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 3 Ton Exterior Condensing Unit** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505100660	Condensing unit, up thru 10 ton, selective demolition	1	Ea.	1,050.00	\$1,050	
U	236213100300	Condensing unit, air cooled, compressor, 3 ton, includes standard controls	1	Ea.	2,675.00	\$2,675	
<b>Sub Total</b>						<b>\$3,725</b>	
					Construction Adjustment	35%	1,285
<b>Construction Cost</b>						<b>\$5,010</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	2,427
<b>Total Estimated Amount</b>						<b>\$7,438</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204633** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **32965**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 10000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202350	Central station air handling unit, packaged indoor, variable air volume, 10,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	49,100.00	\$98,200
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	2	Ea.	820.00	\$1,640
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,600.00	\$3,200
U	233113130120	Metal ductwork, fabricated rectangular, 500 to 1000 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1,000	Lb	23.00	\$23,000
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	2	Ea.	330.00	\$660
<b>Sub Total</b>						<b>\$126,700</b>
					Construction Adjustment	35% 43,711
<b>Construction Cost</b>						<b>\$170,411</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 82,564
<b>Total Estimated Amount</b>						<b>\$252,976</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **204634** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **32964**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 30000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505100410	Central station air handler, 17.5 thru 30 ton, selective demolition	1	Ea.	1,650.00	\$1,650	
U	015419500300	Crane crew, daily use for small jobs, 40-ton truck-mounted hydraulic crane, portal to portal	1	Day	2,025.00	\$2,025	
U	237313202380	Central station air handling unit, packaged indoor, variable air volume, 30,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	111,000.00	\$111,000	
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1	Lb	12.85	\$13	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330	
<b>Sub Total</b>						<b>\$115,018</b>	
					Construction Adjustment	35%	39,681
<b>Construction Cost</b>						<b>\$154,699</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	74,952
<b>Total Estimated Amount</b>						<b>\$229,651</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID	<b>204635</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M57-09C</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>32966</b>		

Deficiency	<b>The HVAC Terminal Device Requires Replacement</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace HVAC Terminal Device</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	4,286	SF	0.64	\$2,743
U	095123101130	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	4,286	SF	2.82	\$12,086
M	230953105254	Control Components, thermostats, pneumatic, heating-cooling w/deadband	50	Ea.	393.80	\$19,690
U	230505103800	Mixing box, constant or VAV, selective demolition	50	Ea.	69.00	\$3,450
U	233616105740	Duct accessories, mixing box, variable air volume, cool only, fan powered, damper, actuator and thermostat, 800 CFM	50	Ea.	1,500.00	\$75,000
<b>Sub Total</b>						<b>\$112,969</b>
					Construction Adjustment	35% 38,974
<b>Construction Cost</b>						<b>\$151,943</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 73,616
<b>Total Estimated Amount</b>						<b>\$225,559</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID	<b>204636</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M57-21c</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>32976</b>		

Deficiency **Duct Heater Requires Replacement**

Category **Capital Renewal** System **Mechanical**

Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Learning Environment**

Correction **Replace Duct Heater** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	238216200360	Duct heater, electric, finned tubular insert, 480 V, 3Ph., 500Deg.F, 26.7 kW, 12" wide x 24" high	5	Ea.	2,825.00	\$14,125
U	230505101850	Air conditioner, duct heater, electric strip, selective demolition, minimum labor/equipment charge	5	Job	161.00	\$805
<b>Sub Total</b>						<b>\$14,930</b>
					Construction Adjustment	35% 5,151
<b>Construction Cost</b>						<b>\$20,081</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 9,729
<b>Total Estimated Amount</b>						<b>\$29,810</b>



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204647** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 277/480 100A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	260505101230	Panelboards, 3 wire, 120/240 V, 100 amp, to 20 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	1	Ea.	254.00	\$254
U	262416302500	Panelboards, 3 phase 4 wire, main circuit breaker, 277/480 V, 100 amp, 24 circuits, NEHB, incl 20 A 1 pole plug-in breakers	1	Ea.	4,175.00	\$4,175
<b>Sub Total</b>						<b>\$4,429</b>
Construction Adjustment						35% 1,528
<b>Construction Cost</b>						<b>\$5,957</b>
Adjustment Factor						0% 0
Soft Cost Adjustment						55% 3,255
<b>Total Estimated Amount</b>						<b>\$9,212</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204650** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M21-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Roof Condenser Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Rooftop Condenser** Quantity / UoM  
Project(s) Note **Qty 1 @ 80 = 80 TonAC total**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	015436502000	Mobilization or demobilization, crane, truck-mounted, up to 75 ton, (driver only, one-way)	1	Ea.	88.50	\$89
U	260580101600	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 125 HP motor	0	Ea.	415.00	\$83
U	236313101640	Condenser, ratings are for air cooled, direct drive, propeller fan, 30Deg.F temperature difference, 5 ton, R-22, replace unit	0	Ea.	2,775.00	\$555
U	230505100150	Air conditioner, split unit air conditioner, package unit, 3 ton, selective demolition	0	Ea.	680.00	\$227
<b>Sub Total</b>						<b>\$953</b>
					Construction Adjustment	35% 329
<b>Construction Cost</b>						<b>\$1,282</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 621
<b>Total Estimated Amount</b>						<b>\$1,903</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204673** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33103**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 120/208 225A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	262416300850	Panelboards, 3 phase 4 wire, main lugs, 120/208 V, 225 amp, 32 circuits, NQOD, incl 20 A 1 pole plug-in breakers	6	Ea.	2,750.00	\$16,500	
U	260505101240	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	6	Ea.	510.00	\$3,060	
<b>Sub Total</b>						<b>\$19,560</b>	
					Construction Adjustment	35%	6,748
<b>Construction Cost</b>						<b>\$26,308</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	14,375
<b>Total Estimated Amount</b>						<b>\$40,683</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204676** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33104**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 277/480 400A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	260505101280	Panelboards, 4 wire, 120/208 V, 400 amp, to 42 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	6	Ea.	690.00	\$4,140
U	262416302700	Panelboards, 3 phase 4 wire, main circuit breaker, 277/480 V, 400 amp, 42 circuits, NEHB, incl 20 A 1 pole plug-in breakers	6	Ea.	8,500.00	\$51,000
<b>Sub Total</b>						<b>\$55,140</b>
					Construction Adjustment	35% 19,023
<b>Construction Cost</b>						<b>\$74,163</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	55% 40,523
<b>Total Estimated Amount</b>						<b>\$114,686</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **206563** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle **32943**

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	4	Ea.	9,650.00	\$38,917	
<b>Sub Total</b>						<b>\$38,917</b>	
					Construction Adjustment	35%	13,426
<b>Construction Cost</b>						<b>\$52,343</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	25,360
<b>Total Estimated Amount</b>						<b>\$77,704</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 1**

**Deficiency:**

Assess ID **208085** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	23,850	SF	7.25	\$172,913
<b>Sub Total</b>						<b>\$172,913</b>
					Construction Adjustment	35% 59,655
<b>Construction Cost</b>						<b>\$232,567</b>
					Adjustment Factor	110% 255,824
					Soft Cost Adjustment	48% 112,679
<b>Total Estimated Amount</b>						<b>\$601,070</b>



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204651** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M23-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Roof Air Handler/Exhaust is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Rooftop Air Handler/Exhaust** Quantity / UoM  
Project(s) Note **1 Qty 10,000 = 10,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237433101200	Rooftop air conditioner, single zone, electric cool, gas heat, 20 ton cooling, 360 MBH heating, includes, standard controls, curb and economizer	0	Ea.	30,300.00	\$1,515	
M	015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity	0	Day	615.31	\$31	
U	260580102055	Motor connections, flexible conduit and fittings, 3 phase, sealtite, 460 volt, 150 HP motor	0	Ea.	480.00	\$48	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	0	Job	680.00	\$68	
<b>Sub Total</b>						<b>\$1,662</b>	
					Construction Adjustment	35%	573
<b>Construction Cost</b>						<b>\$2,235</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	1,083
<b>Total Estimated Amount</b>						<b>\$3,318</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204653** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M02-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Exterior Condenser Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Replace 3 ton Exterior Condenser** Quantity / UoM  
Project(s) Note **Qty 1 @ 80 = 80 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	236313101630	Condenser, ratings are for air cooled, direct drive, propeller fan, 30Deg,F temperature difference, 3 ton, R-22	1	Ea.	1,725.00	\$1,725
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	1	Job	680.00	\$680
<b>Sub Total</b>						<b>\$2,405</b>
					Construction Adjustment	35% 830
<b>Construction Cost</b>						<b>\$3,235</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 1,567
<b>Total Estimated Amount</b>						<b>\$4,802</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204655** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **2 Qty 10/80 = 90,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	26,000.00	\$52,000	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	2	Ea.	820.00	\$1,640	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,600.00	\$3,200	
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	500	Lb	13.40	\$6,700	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	2	Ea.	330.00	\$660	
<b>Sub Total</b>						<b>\$64,200</b>	
					Construction Adjustment	35%	22,149
<b>Construction Cost</b>						<b>\$86,349</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	41,836
<b>Total Estimated Amount</b>						<b>\$128,185</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID	<b>204664</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204665** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M02-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33094**

Deficiency **The Exterior Condenser Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Replace 12 ton Exterior Condenser** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	1	Job	680.00	\$680	
U	236313101670	Condenser, ratings are for air cooled, direct drive, propeller fan, 30Deg,F temperature difference, 12 ton, R-22	1	Ea.	4,700.00	\$4,700	
<b>Sub Total</b>						<b>\$5,380</b>	
					Construction Adjustment	35%	1,856
<b>Construction Cost</b>						<b>\$7,236</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	3,506
<b>Total Estimated Amount</b>						<b>\$10,742</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204666** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02OD**  
Status **Estimated** FCI **Yes**  
Life Cycle **33096**

Deficiency **Out-Door Air Handler HVAC Component Required Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace AHU 10000 CFM Outdoor** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600	
U	237413103150	Air handling unit, packaged weatherproof, with cooling/heating coil section, filters, mixing box, constant volume, single zone, 10,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	66,000.00	\$66,000	
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1	Lb	12.85	\$13	
U	260580101560	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 50 HP motor	1	Ea.	161.00	\$161	
<b>Sub Total</b>						<b>\$68,594</b>	
					Construction Adjustment	35%	23,665
<b>Construction Cost</b>						<b>\$92,259</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	44,699
<b>Total Estimated Amount</b>						<b>\$136,958</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **204667** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33095**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 30000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	230505100410	Central station air handler, 17.5 thru 30 ton, selective demolition	1	Ea.	1,650.00	\$1,650
U	015419500300	Crane crew, daily use for small jobs, 40-ton truck-mounted hydraulic crane, portal to portal	1	Day	2,025.00	\$2,025
U	237313202380	Central station air handling unit, packaged indoor, variable air volume, 30,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	111,000.00	\$111,000
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1	Lb	12.85	\$13
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$115,018</b>
					Construction Adjustment	35% 39,681
<b>Construction Cost</b>						<b>\$154,699</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 74,952
<b>Total Estimated Amount</b>						<b>\$229,651</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **206561** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle **33084**

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	1	Ea.	9,650.00	\$14,017	
<b>Sub Total</b>						<b>\$14,017</b>	
					Construction Adjustment	35%	4,836
<b>Construction Cost</b>						<b>\$18,853</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	9,134
<b>Total Estimated Amount</b>						<b>\$27,988</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **208086** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	11,028	SF	7.25	\$79,953
<b>Sub Total</b>						<b>\$79,953</b>
					Construction Adjustment	35% 27,584
<b>Construction Cost</b>						<b>\$107,537</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 52,102
<b>Total Estimated Amount</b>						<b>\$159,638</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **212007** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM  
Project(s) Note **Add air conditioning to restroom and stairwell areas.**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$2,650
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	113	Lb	2.56	\$290
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	302	LF	4.91	\$1,482
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	1	Ea.	655.00	\$618
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	1,000	SF	3.43	\$3,430
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	23	SYSTEM	73.50	\$1,664
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	1,000	SF	3.95	\$3,950
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	1	Ea.	226.00	\$213
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	1	Ea.	2,225.00	\$2,099
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	151	LF	4.79	\$723
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	1	Ea.	515.00	\$292
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	3	Job	680.00	\$1,925
<b>Sub Total</b>						<b>\$19,335</b>
					Construction Adjustment	35% 6,671
<b>Construction Cost</b>						<b>\$26,006</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 12,600
<b>Total Estimated Amount</b>						<b>\$38,606</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 3**

**Deficiency:**

Assess ID **204714** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-03DX**  
Status **Estimated** FCI **Yes**  
Life Cycle **33143**

Deficiency **The Fan Coil HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Fan Coil - D/X (15 ton)** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505102158	Fan coil air conditioner, direct expansion, 11 thru 30 ton, selective demolition	1	Ea.	655.00	\$655	
U	238219101050	Fan coil A.C., direct expansion for use w/air cooled condensing unit, 15 ton cooling, includes filters and controls	1	Ea.	6,000.00	\$6,000	
<b>Sub Total</b>						<b>\$6,655</b>	
					Construction Adjustment	35%	2,296
<b>Construction Cost</b>						<b>\$8,951</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	4,337
<b>Total Estimated Amount</b>						<b>\$13,288</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 3**

**Deficiency:**

Assess ID **204718** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-08IRG**  
Status **Estimated** FCI **Yes**  
Life Cycle **33144**

Deficiency **The Infrared Gas Radiant Heater Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Infrared Gas Radiant Heater** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	238227100180	Infrared unit, gas fired, unvented, electric ignition, input, 100% shutoff, 75 MBH, excludes piping and wiring	1	Ea.	1,825.00	\$1,825	
U	230505102988	Infrared unit, selective demolition	1	Ea.	82.00	\$82	
<b>Sub Total</b>						<b>\$1,907</b>	
Construction Adjustment						35%	658
<b>Construction Cost</b>						<b>\$2,565</b>	
Adjustment Factor						0%	0
Soft Cost Adjustment						48%	1,243
<b>Total Estimated Amount</b>						<b>\$3,808</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 3**

**Deficiency:**

Assess ID **204683** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M29-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Package Roof Top Unit Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5 Ton Packaged RTU** Quantity / UoM  
Project(s) Note **Qty 1 @ 15 = 15 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505105100	Rooftop air conditioner, up thru 10 ton, selective demolition	1	Ea.	940.00	\$940	
U	260580101500	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 5 HP motor	1	Ea.	91.00	\$91	
U	015436502200	Mobilization or demobilization, crane, crawler-mounted, up to 75 ton	1	Ea.	1,125.00	\$1,125	
U	237433101140	Rooftop air conditioner, single zone, electric cool, gas heat, 5 ton cooling, 112 MBH heating, includes, standard controls, curb and economizer	1	Ea.	8,150.00	\$8,150	
<b>Sub Total</b>						<b>\$10,306</b>	
					Construction Adjustment	35%	3,556
<b>Construction Cost</b>						<b>\$13,862</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	6,716
<b>Total Estimated Amount</b>						<b>\$20,578</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 3**

**Deficiency:**

Assess ID **204688** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-01C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Package Unit HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace packaged HVAC Unit** Quantity / UoM  
Project(s) Note **Qty 1 @ 15 = 15 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M	015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity	0	Day	615.31	\$18	
M	D30502011010	A/C packaged, DX, air cooled, electric heat, constant volume, 5 ton	0	Ea.	9,822.62	\$982	
U	233723104250	Ventilator, stationary mushroom, aluminum, 42" orifice diameter, includes base	0	Ea.	2,950.00	\$295	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	0	Job	680.00	\$78	
<b>Sub Total</b>						<b>\$1,373</b>	
					Construction Adjustment	35%	474
<b>Construction Cost</b>						<b>\$1,846</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	894
<b>Total Estimated Amount</b>						<b>\$2,741</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Auditorium**

**Deficiency:**

Assess ID **208086** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	11,028	SF	7.25	\$79,953
<b>Sub Total</b>						<b>\$79,953</b>
					Construction Adjustment	35% 27,584
<b>Construction Cost</b>						<b>\$107,537</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 52,102
<b>Total Estimated Amount</b>						<b>\$159,638</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 3**

**Deficiency:**

Assess ID **208087** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	4,600	SF	7,25	\$33,350
<b>Sub Total</b>						<b>\$33,350</b>
					Construction Adjustment	35% 11,506
<b>Construction Cost</b>						<b>\$44,856</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 21,733
<b>Total Estimated Amount</b>						<b>\$66,588</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204724** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **2 Qty @ 10/3 = 13000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	26,000.00	\$52,000	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	2	Ea.	820.00	\$1,640	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,600.00	\$3,200	
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	500	Lb	13.40	\$6,700	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	2	Ea.	330.00	\$660	
<b>Sub Total</b>						<b>\$64,200</b>	
					Construction Adjustment	35%	22,149
<b>Construction Cost</b>						<b>\$86,349</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	41,836
<b>Total Estimated Amount</b>						<b>\$128,185</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID	<b>204726</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M57-09C</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>The HVAC Terminal Device Requires Replacement</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace HVAC Terminal Device</b>	Quantity / UoM	
Project(s) Note	<b>Qty 8 @ 5 Ton</b>		

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	686	SF	0.64	\$439	
U	095123101130	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	686	SF	2.82	\$1,934	
M	230953105254	Control Components, thermostats, pneumatic, heating-cooling w/deadband	8	Ea.	393.80	\$3,150	
U	230505103800	Mixing box, constant or VAV, selective demolition	8	Ea.	69.00	\$552	
U	233616105740	Duct accessories, mixing box, variable air volume, cool only, fan powered, damper, actuator and thermostat, 800 CFM	8	Ea.	1,500.00	\$12,000	
<b>Sub Total</b>						<b>\$18,075</b>	
Construction Adjustment						35%	6,236
<b>Construction Cost</b>						<b>\$24,311</b>	
Adjustment Factor						0%	0
Soft Cost Adjustment						48%	11,779
<b>Total Estimated Amount</b>						<b>\$36,089</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204733** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM  
Project(s) Note **Qty 38 @ 4x2, jalousie**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	3	OPNG	169.00	\$535	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	3	Ea.	770.00	\$2,438	
U	080505200280	Window demolition, aluminum, to 50 S.F.	3	Ea.	96.50	\$306	
<b>Sub Total</b>						<b>\$3,279</b>	
					Construction Adjustment	35%	1,131
<b>Construction Cost</b>						<b>\$4,410</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	2,137
<b>Total Estimated Amount</b>						<b>\$6,547</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204734** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33199**

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	3	OPNG	169.00	\$493	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	3	Ea.	770.00	\$2,246	
U	080505200280	Window demolition, aluminum, to 50 S.F.	3	Ea.	96.50	\$281	
<b>Sub Total</b>						<b>\$3,020</b>	
					Construction Adjustment	35%	1,042
<b>Construction Cost</b>						<b>\$4,062</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	1,968
<b>Total Estimated Amount</b>						<b>\$6,030</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204735** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33200**

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	0	OPNG	169.00	\$42	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	0	Ea.	770.00	\$193	
U	080505200280	Window demolition, aluminum, to 50 S.F.	0	Ea.	96.50	\$24	
<b>Sub Total</b>						<b>\$259</b>	
					Construction Adjustment	35%	89
<b>Construction Cost</b>						<b>\$348</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	169
<b>Total Estimated Amount</b>						<b>\$517</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**  
11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID	<b>204749</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204752** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-03CW**  
Status **Estimated** FCI **Yes**  
Life Cycle **33260**

Deficiency **The Fan Coil (Chilled Water) HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Fan Coil - Chilled Water (15 ton)** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505102158	Fan coil air conditioner, direct expansion, 11 thru 30 ton, selective demolition	8	Ea.	655.00	\$5,240	
U	238219100220	Fan coil A.C., cabinet mounted, chilled water, 15 ton cooling, includes filters and controls	8	Ea.	6,175.00	\$49,400	
<b>Sub Total</b>						<b>\$54,640</b>	
					Construction Adjustment	35%	18,851
<b>Construction Cost</b>						<b>\$73,491</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	35,606
<b>Total Estimated Amount</b>						<b>\$109,097</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204755** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33247**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	26,000.00	\$26,000
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	250	Lb	13.40	\$3,350
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$32,100</b>
					Construction Adjustment	35% 11,074
<b>Construction Cost</b>						<b>\$43,174</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 20,918
<b>Total Estimated Amount</b>						<b>\$64,093</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204756** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33246**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 10000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202350	Central station air handling unit, packaged indoor, variable air volume, 10,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	49,100.00	\$49,100	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600	
U	233113130120	Metal ductwork, fabricated rectangular, 500 to 1000 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	500	Lb	23.00	\$11,500	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330	
<b>Sub Total</b>						<b>\$63,350</b>	
					Construction Adjustment	35%	21,856
<b>Construction Cost</b>						<b>\$85,206</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	41,282
<b>Total Estimated Amount</b>						<b>\$126,488</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **204757** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-08IRG**  
Status **Estimated** FCI **Yes**  
Life Cycle **33263**

Deficiency **The Infrared Gas Radiant Heater Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Infrared Gas Radiant Heater** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	238227100180	Infrared unit, gas fired, unvented, electric ignition, input, 100% shutoff, 75 MBH, excludes piping and wiring	16	Ea.	1,825.00	\$29,200	
U	230505102988	Infrared unit, selective demolition	16	Ea.	82.00	\$1,312	
<b>Sub Total</b>						<b>\$30,512</b>	
					Construction Adjustment	35%	10,527
<b>Construction Cost</b>						<b>\$41,039</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	19,883
<b>Total Estimated Amount</b>						<b>\$60,922</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **206558** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle **33235**

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	2	Ea.	9,650.00	\$16,174	
<b>Sub Total</b>						<b>\$16,174</b>	
					Construction Adjustment	35%	5,580
<b>Construction Cost</b>						<b>\$21,754</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	10,540
<b>Total Estimated Amount</b>						<b>\$32,294</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **212013** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM  
Project(s) Note **add hvac to bathrooms.**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$472
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	20	Lb	2.56	\$52
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	54	LF	4.91	\$264
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	0	Ea.	655.00	\$110
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	178	SF	3.43	\$611
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	4	SYSTEM	73.50	\$296
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	178	SF	3.95	\$703
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	0	Ea.	226.00	\$38
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	0	Ea.	2,225.00	\$374
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	27	LF	4.79	\$129
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	0	Ea.	515.00	\$52
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	1	Job	680.00	\$343
<b>Sub Total</b>						<b>\$3,442</b>
					Construction Adjustment	35% 1,187
<b>Construction Cost</b>						<b>\$4,629</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 2,243
<b>Total Estimated Amount</b>						<b>\$6,872</b>

Stranahan Senior High School 290

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **316311** Surveyor/Update **Abigail Zerbe**  
Deficiency Code ID **EA-Media**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Media Center requires renovation based on condition of room(s)**

Category **Capital Renewal** System **Other**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**

Correction **Renovate / Remodel Media Center** Quantity / UoM

Project(s) Note **Room design = 380**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Adjustment	1	Ea.	18,000.00	\$18,000
M		Allowance for renovation	1	LS	281,394.40	\$281,394
<b>Sub Total</b>						<b>\$299,394</b>
					Construction Adjustment	35% 103,291
<b>Construction Cost</b>						<b>\$402,685</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 194,739
<b>Total Estimated Amount</b>						<b>\$597,424</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID	<b>316005</b>	Surveyor/Update	<b>Eric Sheppard</b>
Deficiency Code ID	<b>EA-STEM</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>STEM lab requires renovation based on condition of room(s)</b>		
Category	<b>Capital Renewal</b>	System	<b>Other</b>
Priority	<b>2-Indirect Impact to Mission (1 Year)</b>	Functional Adequacy	<b>Other</b>
Correction	<b>Renovate / Remodel STEM Lab</b>	Quantity / UoM	
Project(s) Note	<b>Room design = 12</b>		

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for renovation	1	LS	8,158.09	\$8,158	
<b>Sub Total</b>						<b>\$8,158</b>	
					Construction Adjustment	35%	2,815
<b>Construction Cost</b>						<b>\$10,973</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	5,306
<b>Total Estimated Amount</b>						<b>\$16,279</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **204764** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **1 Qty 40,000 = 40,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	26,000.00	\$26,000
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	250	Lb	13.40	\$3,350
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$32,100</b>
					Construction Adjustment	35% 11,074
<b>Construction Cost</b>						<b>\$43,174</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 20,918
<b>Total Estimated Amount</b>						<b>\$64,093</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID	<b>204779</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **204780** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-08IRG**  
Status **Estimated** FCI **Yes**  
Life Cycle **33365**

Deficiency **The Infrared Gas Radiant Heater Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Infrared Gas Radiant Heater** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	238227100180	Infrared unit, gas fired, unvented, electric ignition, input, 100% shutoff, 75 MBH, excludes piping and wiring	16	Ea.	1,825.00	\$29,200	
U	230505102988	Infrared unit, selective demolition	16	Ea.	82.00	\$1,312	
<b>Sub Total</b>						<b>\$30,512</b>	
					Construction Adjustment	35%	10,527
<b>Construction Cost</b>						<b>\$41,039</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	19,883
<b>Total Estimated Amount</b>						<b>\$60,922</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **204781** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-24c**  
Status **Estimated** FCI **Yes**  
Life Cycle **33360**

Deficiency **Large HVAC Circulating Pump Requires Replacement**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Large (50 HP) Circulating Pump** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
A	D30203401010	Pump, base mounted with motor, double suction, 6" size, 50 HP, to 1200 GPM	1	Ea.	27,500.00	\$27,500	
U	220505102190	Pump, 30 H.P. thru 60 H.P., selective demolition	1	Ea.	2,525.00	\$2,525	
<b>Sub Total</b>						<b>\$30,025</b>	
					Construction Adjustment	35%	10,359
<b>Construction Cost</b>						<b>\$40,384</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	19,566
<b>Total Estimated Amount</b>						<b>\$59,949</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **204782** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33361**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 30000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	230505100410	Central station air handler, 17.5 thru 30 ton, selective demolition	1	Ea.	1,650.00	\$1,650
U	015419500300	Crane crew, daily use for small jobs, 40-ton truck-mounted hydraulic crane, portal to portal	1	Day	2,025.00	\$2,025
U	237313202380	Central station air handling unit, packaged indoor, variable air volume, 30,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	111,000.00	\$111,000
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1	Lb	12.85	\$13
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$115,018</b>
					Construction Adjustment	35% 39,681
<b>Construction Cost</b>						<b>\$154,699</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 74,952
<b>Total Estimated Amount</b>						<b>\$229,651</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **204783** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-09C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33362**

Deficiency **The HVAC Terminal Device Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace HVAC Terminal Device** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	1,714	SF	0.64	\$1,097	
U	095123101130	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	1,714	SF	2.82	\$4,834	
M	230953105254	Control Components, thermostats, pneumatic, heating-cooling w/deadband	20	Ea.	393.80	\$7,876	
U	230505103800	Mixing box, constant or VAV, selective demolition	20	Ea.	69.00	\$1,380	
U	233616105740	Duct accessories, mixing box, variable air volume, cool only, fan powered, damper, actuator and thermostat, 800 CFM	20	Ea.	1,500.00	\$30,000	
<b>Sub Total</b>						<b>\$45,187</b>	
					Construction Adjustment	35%	15,590
<b>Construction Cost</b>						<b>\$60,777</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	29,447
<b>Total Estimated Amount</b>						<b>\$90,224</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **206556** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle **33352**

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	2	Ea.	9,650.00	\$19,620	
<b>Sub Total</b>						<b>\$19,620</b>	
					Construction Adjustment	35%	6,769
<b>Construction Cost</b>						<b>\$26,389</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	12,785
<b>Total Estimated Amount</b>						<b>\$39,174</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 4**

**Deficiency:**

Assess ID **208088** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Estimate based of BCPS experience	17,599	SF	7.25	\$127,593	
<b>Sub Total</b>						<b>\$127,593</b>	
					Construction Adjustment	35%	44,019
					<b>Construction Cost</b>	<b>\$171,612</b>	
					Adjustment Factor	72%	123,561
					Soft Cost Adjustment	48%	83,146
<b>Total Estimated Amount</b>						<b>\$378,319</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID	212015	Surveyor/Update	<b>Chris Taylor</b>
Deficiency Code ID	<b>A40-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>33301</b>		

Deficiency	<b>The Aluminum Window Is Damaged And Requires Replacement</b>		
Category	<b>Capital Renewal</b>	System	<b>Exterior</b>
Priority	<b>2-Indirect Impact to Mission (1 Year)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Aluminum Frame Window</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	7	OPNG	169.00	\$1,183	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	7	Ea.	770.00	\$5,390	
U	080505200280	Window demolition, aluminum, to 50 S.F.	7	Ea.	96.50	\$676	
<b>Sub Total</b>						<b>\$7,249</b>	
					Construction Adjustment	35%	2,501
<b>Construction Cost</b>						<b>\$9,749</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	4,724
<b>Total Estimated Amount</b>						<b>\$14,473</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **212020** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM  
Project(s) Note **add hvac to restrooms**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$2,899
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	124	Lb	2.56	\$317
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	330	LF	4.91	\$1,622
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	1	Ea.	655.00	\$676
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	1,094	SF	3.43	\$3,752
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	25	SYSTEM	73.50	\$1,821
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	1,094	SF	3.95	\$4,321
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	1	Ea.	226.00	\$233
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	1	Ea.	2,225.00	\$2,296
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	165	LF	4.79	\$791
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	1	Ea.	515.00	\$319
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	3	Job	680.00	\$2,105
<b>Sub Total</b>						<b>\$21,153</b>
					Construction Adjustment	35% 7,298
<b>Construction Cost</b>						<b>\$28,451</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 13,784
<b>Total Estimated Amount</b>						<b>\$42,235</b>

Stranahan Senior High School 290

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **316418** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-ADARR**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Provide renovation of restrooms associated with educational adequacy renovations**

Category **Capital Renewal** System **Other**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**

Correction **Renovate / Remodel related restrooms** Quantity / UoM

Project(s) Note **Room design = 815/816**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for renovation	1	LS	79,135,30	\$79,135	
<b>Sub Total</b>						<b>\$79,135</b>	
					Construction Adjustment	35%	27,302
<b>Construction Cost</b>						<b>\$106,437</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	51,473
<b>Total Estimated Amount</b>						<b>\$157,910</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 5**

**Deficiency:**

Assess ID **208089** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	21,348	SF	7.25	\$154,773
<b>Sub Total</b>						<b>\$154,773</b>
					Construction Adjustment	35% 53,397
					<b>Construction Cost</b>	<b>\$208,170</b>
					Adjustment Factor	80% 166,536
					Soft Cost Adjustment	48% 100,858
					<b>Total Estimated Amount</b>	<b>\$475,564</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **316380** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-ADARR**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Provide renovation of restrooms associated with educational adequacy renovations**

Category **Capital Renewal** System **Other**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**

Correction **Renovate / Remodel related restrooms** Quantity / UoM

Project(s) Note **Room design = 815/816**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for renovation	1	LS	36,457,22	\$36,457	
<b>Sub Total</b>						<b>\$36,457</b>	
					Construction Adjustment	35%	12,578
<b>Construction Cost</b>						<b>\$49,035</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	23,713
<b>Total Estimated Amount</b>						<b>\$72,748</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID	<b>204911</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **204915** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-09C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33598**

Deficiency **The HVAC Terminal Device Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace HVAC Terminal Device** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	1,029	SF	0.64	\$658	
U	095123101130	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	1,029	SF	2.82	\$2,901	
M	230953105254	Control Components, thermostats, pneumatic, heating-cooling w/deadband	12	Ea.	393.80	\$4,726	
U	230505103800	Mixing box, constant or VAV, selective demolition	12	Ea.	69.00	\$828	
U	233616105740	Duct accessories, mixing box, variable air volume, cool only, fan powered, damper, actuator and thermostat, 800 CFM	12	Ea.	1,500.00	\$18,000	
<b>Sub Total</b>						<b>\$27,112</b>	
					Construction Adjustment	35%	9,354
<b>Construction Cost</b>						<b>\$36,466</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	17,668
<b>Total Estimated Amount</b>						<b>\$54,134</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **204916** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33597**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 20000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202370	Central station air handling unit, packaged indoor, variable air volume, 20,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	90,500.00	\$90,500	
U	230505100410	Central station air handler, 17.5 thru 30 ton, selective demolition	1	Ea.	1,650.00	\$1,650	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600	
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1	Lb	12.85	\$13	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330	
<b>Sub Total</b>						<b>\$94,093</b>	
					Construction Adjustment	35%	32,462
<b>Construction Cost</b>						<b>\$126,555</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	61,316
<b>Total Estimated Amount</b>						<b>\$187,871</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **204788** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **1 Qty 20,000 = 20,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	26,000.00	\$26,000
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	250	Lb	13.40	\$3,350
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$32,100</b>
					Construction Adjustment	35% 11,074
<b>Construction Cost</b>						<b>\$43,174</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 20,918
<b>Total Estimated Amount</b>						<b>\$64,093</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **204922** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-08IRG**  
Status **Estimated** FCI **Yes**  
Life Cycle **33605**

Deficiency **The Infrared Gas Radiant Heater Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Infrared Gas Radiant Heater** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	238227100180	Infrared unit, gas fired, unvented, electric ignition, input, 100% shutoff, 75 MBH, excludes piping and wiring	14	Ea.	1,825.00	\$25,550
U	230505102988	Infrared unit, selective demolition	14	Ea.	82.00	\$1,148
<b>Sub Total</b>						<b>\$26,698</b>
					Construction Adjustment	35% 9,211
<b>Construction Cost</b>						<b>\$35,909</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 17,398
<b>Total Estimated Amount</b>						<b>\$53,307</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **206552** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle **33581**

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM  
Project(s) Note **Replace**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	2	Ea.	9,650.00	\$18,986	
<b>Sub Total</b>						<b>\$18,986</b>	
					Construction Adjustment	35%	6,550
<b>Construction Cost</b>						<b>\$25,536</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	12,372
<b>Total Estimated Amount</b>						<b>\$37,908</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID	<b>212023</b>	Surveyor/Update	<b>Chris Taylor</b>
Deficiency Code ID	<b>A40-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>33386</b>		

Deficiency	<b>The Aluminum Window Is Damaged And Requires Replacement</b>		
Category	<b>Capital Renewal</b>	System	<b>Exterior</b>
Priority	<b>2-Indirect Impact to Mission (1 Year)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Aluminum Frame Window</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	2	OPNG	169.00	\$338	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	2	Ea.	770.00	\$1,540	
U	080505200280	Window demolition, aluminum, to 50 S.F.	2	Ea.	96.50	\$193	
<b>Sub Total</b>						<b>\$2,071</b>	
					Construction Adjustment	35%	714
<b>Construction Cost</b>						<b>\$2,785</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	1,350
<b>Total Estimated Amount</b>						<b>\$4,135</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **212024** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33387**

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	5	OPNG	169.00	\$901	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	5	Ea.	770.00	\$4,107	
U	080505200280	Window demolition, aluminum, to 50 S.F.	5	Ea.	96.50	\$515	
<b>Sub Total</b>						<b>\$5,523</b>	
					Construction Adjustment	35%	1,905
<b>Construction Cost</b>						<b>\$7,428</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	3,599
<b>Total Estimated Amount</b>						<b>\$11,027</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID	<b>212025</b>	Surveyor/Update	<b>Chris Taylor</b>
Deficiency Code ID	<b>A40-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>33388</b>		

Deficiency	<b>The Aluminum Window Is Damaged And Requires Replacement</b>		
Category	<b>Capital Renewal</b>	System	<b>Exterior</b>
Priority	<b>2-Indirect Impact to Mission (1 Year)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Aluminum Frame Window</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	2	OPNG	169.00	\$254	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	2	Ea.	770.00	\$1,155	
U	080505200280	Window demolition, aluminum, to 50 S.F.	2	Ea.	96.50	\$145	
<b>Sub Total</b>						<b>\$1,553</b>	
					Construction Adjustment	35%	536
<b>Construction Cost</b>						<b>\$2,089</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	1,012
<b>Total Estimated Amount</b>						<b>\$3,101</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **316028** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-STEM**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **STEM lab requires renovation based on condition of room(s)**  
Category **Capital Renewal** System **Other**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**  
Correction **Renovate / Remodel STEM Lab** Quantity / UoM  
Project(s) Note **Room design = 23**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Allowance for renovation	1	LS	100,000,00	\$100,000
<b>Sub Total</b>						<b>\$100,000</b>
					Construction Adjustment	35% 34,500
<b>Construction Cost</b>						<b>\$134,500</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 65,044
<b>Total Estimated Amount</b>						<b>\$199,544</b>



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **316058** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-STEM**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **STEM lab requires renovation based on condition of room(s)**  
Category **Capital Renewal** System **Other**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**  
Correction **Renovate / Remodel STEM Lab** Quantity / UoM  
Project(s) Note **Room design = 221**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Allowance for renovation	1	LS	130,000,00	\$130,000
<b>Sub Total</b>						<b>\$130,000</b>
					Construction Adjustment	35% 44,850
					<b>Construction Cost</b>	<b>\$174,850</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 84,557
					<b>Total Estimated Amount</b>	<b>\$259,407</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **316388** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-ADARR**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Provide renovation of restrooms associated with educational adequacy renovations**

Category **Capital Renewal** System **Other**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**

Correction **Renovate / Remodel related restrooms** Quantity / UoM

Project(s) Note **Room design = 815/816**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for renovation	1	LS	41,810.06	\$41,810	
<b>Sub Total</b>						<b>\$41,810</b>	
					Construction Adjustment	35%	14,424
					<b>Construction Cost</b>		<b>\$56,235</b>
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	27,195
					<b>Total Estimated Amount</b>		<b>\$83,430</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **204931** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **1 Qty 40,000 = 40,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	26,000.00	\$26,000
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	250	Lb	13.40	\$3,350
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$32,100</b>
					Construction Adjustment	35% 11,074
<b>Construction Cost</b>						<b>\$43,174</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 20,918
<b>Total Estimated Amount</b>						<b>\$64,093</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID	<b>204932</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M57-09C</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>The HVAC Terminal Device Requires Replacement</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace HVAC Terminal Device</b>	Quantity / UoM	
Project(s) Note	<b>VAV</b>		

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	1,714	SF	0.64	\$1,097	
U	095123101130	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	1,714	SF	2.82	\$4,834	
M	230953105254	Control Components, thermostats, pneumatic, heating-cooling w/deadband	20	Ea.	393.80	\$7,876	
U	230505103800	Mixing box, constant or VAV, selective demolition	20	Ea.	69.00	\$1,380	
U	233616105740	Duct accessories, mixing box, variable air volume, cool only, fan powered, damper, actuator and thermostat, 800 CFM	20	Ea.	1,500.00	\$30,000	
<b>Sub Total</b>						<b>\$45,187</b>	
					Construction Adjustment	35%	15,590
<b>Construction Cost</b>						<b>\$60,777</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	29,447
<b>Total Estimated Amount</b>						<b>\$90,224</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **204936** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33650**

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	0	OPNG	169.00	\$70	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	0	Ea.	770.00	\$321	
U	080505200280	Window demolition, aluminum, to 50 S.F.	0	Ea.	96.50	\$40	
<b>Sub Total</b>						<b>\$431</b>	
					Construction Adjustment	35%	149
<b>Construction Cost</b>						<b>\$580</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	281
<b>Total Estimated Amount</b>						<b>\$861</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID	<b>204952</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **204959** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33719**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 30000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	230505100410	Central station air handler, 17.5 thru 30 ton, selective demolition	1	Ea.	1,650.00	\$1,650
U	015419500300	Crane crew, daily use for small jobs, 40-ton truck-mounted hydraulic crane, portal to portal	1	Day	2,025.00	\$2,025
U	237313202380	Central station air handling unit, packaged indoor, variable air volume, 30,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	111,000.00	\$111,000
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1	Lb	12.85	\$13
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$115,018</b>
					Construction Adjustment	35% 39,681
<b>Construction Cost</b>						<b>\$154,699</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 74,952
<b>Total Estimated Amount</b>						<b>\$229,651</b>



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **204961** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-09C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33720**

Deficiency **The HVAC Terminal Device Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace HVAC Terminal Device** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	1,114	SF	0.64	\$713	
U	095123101130	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	1,114	SF	2.82	\$3,142	
M	230953105254	Control Components, thermostats, pneumatic, heating-cooling w/deadband	13	Ea.	393.80	\$5,119	
U	230505103800	Mixing box, constant or VAV, selective demolition	13	Ea.	69.00	\$897	
U	233616105740	Duct accessories, mixing box, variable air volume, cool only, fan powered, damper, actuator and thermostat, 800 CFM	13	Ea.	1,500.00	\$19,500	
<b>Sub Total</b>						<b>\$29,372</b>	
					Construction Adjustment	35%	10,133
<b>Construction Cost</b>						<b>\$39,505</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	19,140
<b>Total Estimated Amount</b>						<b>\$58,645</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **204965** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-08IRG**  
Status **Estimated** FCI **Yes**  
Life Cycle **33725**

Deficiency **The Infrared Gas Radiant Heater Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Infrared Gas Radiant Heater** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	238227100180	Infrared unit, gas fired, unvented, electric ignition, input, 100% shutoff, 75 MBH, excludes piping and wiring	13	Ea.	1,825.00	\$23,725
U	230505102988	Infrared unit, selective demolition	13	Ea.	82.00	\$1,066
<b>Sub Total</b>						<b>\$24,791</b>
					Construction Adjustment	35% 8,553
<b>Construction Cost</b>						<b>\$33,344</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 16,155
<b>Total Estimated Amount</b>						<b>\$49,499</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **206551** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle **33709**

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	2	Ea.	9,650.00	\$16,453	
<b>Sub Total</b>						<b>\$16,453</b>	
					Construction Adjustment	35%	5,676
<b>Construction Cost</b>						<b>\$22,129</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	10,722
<b>Total Estimated Amount</b>						<b>\$32,851</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 6**

**Deficiency:**

Assess ID **208090** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	21,728	SF	7.25	\$157,528
<b>Sub Total</b>						<b>\$157,528</b>
					Construction Adjustment	35% 54,347
<b>Construction Cost</b>						<b>\$211,875</b>
					Adjustment Factor	110% 233,063
					Soft Cost Adjustment	48% 102,654
<b>Total Estimated Amount</b>						<b>\$547,591</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **208091** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	20,900	SF	7.25	\$151,525
<b>Sub Total</b>						<b>\$151,525</b>
					Construction Adjustment	35% 52,276
<b>Construction Cost</b>						<b>\$203,801</b>
					Adjustment Factor	80% 163,041
					Soft Cost Adjustment	48% 98,742
<b>Total Estimated Amount</b>						<b>\$465,584</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 7**

**Deficiency:**

Assess ID **212037** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM  
Project(s) Note **add A/c to restrooms**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$1,532	
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	65	Lb	2.56	\$168	
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	174	LF	4.91	\$857	
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	1	Ea.	655.00	\$357	
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	578	SF	3.43	\$1,983	
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	13	SYSTEM	73.50	\$962	
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	578	SF	3.95	\$2,283	
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	1	Ea.	226.00	\$123	
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	1	Ea.	2,225.00	\$1,213	
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	87	LF	4.79	\$418	
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	0	Ea.	515.00	\$168	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	2	Job	680.00	\$1,112	
<b>Sub Total</b>						<b>\$11,176</b>	
					Construction Adjustment	35%	3,856
<b>Construction Cost</b>						<b>\$15,032</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	7,283
<b>Total Estimated Amount</b>						<b>\$22,314</b>	

Stranahan Senior High School 290

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **205012** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	1	Ea.	9,650.00	\$11,153	
<b>Sub Total</b>						<b>\$11,153</b>	
					Construction Adjustment	35%	3,848
<b>Construction Cost</b>						<b>\$15,000</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	7,268
<b>Total Estimated Amount</b>						<b>\$22,268</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **205017** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-03CW**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Fan Coil (Chilled Water) HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Fan Coil - Chilled Water ( 1/2 ton)** Quantity / UoM  
Project(s) Note **Qty 2 @ 5 Tons = 10 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	230505102150	Fan coil air conditioner, chilled water, up thru 7-1/2 ton, selective demolition	2	Ea.	94.00	\$188
U	238219100100	Fan coil A.C., cabinet mounted, chilled water, 1/2 ton cooling, includes filters and controls	2	Ea.	1,050.00	\$2,100
<b>Sub Total</b>						<b>\$2,288</b>
					Construction Adjustment	35% 789
<b>Construction Cost</b>						<b>\$3,077</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 1,491
<b>Total Estimated Amount</b>						<b>\$4,568</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **205019** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-12c**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Window AC Unit Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Window AC Unit** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505108400	Window air conditioner, selective demolition	1	Ea.	37,50	\$38	
U	238119104780	Window/thru-the-wall unit air conditioner, grounded receptacle required, 15 amp 230 V, 18,000 BTUH	1	Ea.	1,200,00	\$1,200	
<b>Sub Total</b>						<b>\$1,238</b>	
Construction Adjustment						35%	427
<b>Construction Cost</b>						<b>\$1,664</b>	
Adjustment Factor						0%	0
Soft Cost Adjustment						48%	806
<b>Total Estimated Amount</b>						<b>\$2,471</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **65420** Surveyor/Update  
Deficiency Code ID **BP20-01**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Install Fire Sprinklers**  
Category **Code Compliance** System **Fire and Security**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Install Fire Sprinkler System** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	095123100400	Suspended acoustic ceiling tiles, fiberglass boards, film faced, 2' x 2' or 2' x 4' x 3/4" thick	3,370	SF	2.84	\$9,571
U	090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	3,370	SF	0.64	\$2,157
A	D40104101100	Wet pipe sprinkler systems, steel, ordinary hazard, 1 floor, 50,000 SF	12,132	SF	4.02	\$48,771
<b>Sub Total</b>						<b>\$60,498</b>
Construction Adjustment					35%	20,872
<b>Construction Cost</b>						<b>\$81,370</b>
Adjustment Factor					0%	0
Soft Cost Adjustment					48%	39,424
<b>Total Estimated Amount</b>						<b>\$120,794</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID	<b>204987</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>33791</b>		

Deficiency **Controls Are Inadequate And Should Be Replaced With DDC Controls**

Category **Capital Renewal** System **Mechanical**

Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**

Correction **Replace Pneumatic Controls with DDC Controls** Quantity / UoM

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **204988** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M06-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33805**

Deficiency **The Exterior Metal Cooling Tower Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 170 Ton Exterior Metal Cooling Tower** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505100700	Cooling tower, up thru 400 ton, selective demolition	1	Ea.	2,550.00	\$2,550	
U	236513101900	Cooling tower, packaged unit, galvanized steel, induced air, double flow, vertical, gear drive, 167 ton, includes standard controls, excludes pumps and piping	170	TonAC	199.00	\$33,830	
U	260580101610	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 150 HP motor	1	Ea.	455.00	\$455	
U	015436502200	Mobilization or demobilization, crane, crawler-mounted, up to 75 ton	1	Ea.	1,125.00	\$1,125	
<b>Sub Total</b>						<b>\$37,960</b>	
					Construction Adjustment	35%	13,096
<b>Construction Cost</b>						<b>\$51,056</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	24,737
<b>Total Estimated Amount</b>						<b>\$75,793</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **204989** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-04C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33804**

Deficiency **The Chiller HVAC Component Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 200 Ton Chiller** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	236426101620	Water chiller, screw, dual compressors, water cooled, 200 ton cooling, includes standard controls, excludes water tower	1	Ea.	126,000.00	\$126,000
U	230505108020	Water chiller, 110 thru 500 ton, selective demolition	1	Ea.	9,600.00	\$9,600
U	260580101620	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 200 HP motor	1	Ea.	585.00	\$585
U	015436502200	Mobilization or demobilization, crane, crawler-mounted, up to 75 ton	1	Ea.	1,125.00	\$1,125
<b>Sub Total</b>						<b>\$137,310</b>
					Construction Adjustment	35% 47,372
<b>Construction Cost</b>						<b>\$184,682</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 89,478
<b>Total Estimated Amount</b>						<b>\$274,160</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **205004** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E72-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33830**

Deficiency **The Electrical Transformer Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 75 KVA Electrical Transformer** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519505410	Mineral insulated cable terminations, 1 conductor, 600 volt, 250 kcmil	2	Ea.	224.00	\$448	
U	262213103700	Transformer, dry-type, ventilated, 3 phase 480 V primary 120/208 V secondary, 75 kVA	2	Ea.	4,225.00	\$8,450	
U	260505101520	Transformer, dry type, primary, 3 phase, to 600 V, 75 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	2	Ea.	490.00	\$980	
<b>Sub Total</b>						<b>\$9,878</b>	
					Construction Adjustment	35%	3,408
<b>Construction Cost</b>						<b>\$13,286</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	7,259
<b>Total Estimated Amount</b>						<b>\$20,545</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **205005** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33835**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 120/208 100A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	262416300600	Panelboards, 3 phase 4 wire, main lugs, 120/208 V, 100 amp, 12 circuits, NQOD, incl 20 A 1 pole plug-in breakers	1	Ea.	1,350.00	\$1,350	
U	260505101260	Panelboards, 4 wire, 120/208 V, 125 amp, to 20 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	1	Ea.	275.00	\$275	
<b>Sub Total</b>						<b>\$1,625</b>	
					Construction Adjustment	35%	561
<b>Construction Cost</b>						<b>\$2,186</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	1,194
<b>Total Estimated Amount</b>						<b>\$3,380</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **205007** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33836**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 277/480 100A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260505101230	Panelboards, 3 wire, 120/240 V, 100 amp, to 20 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	2	Ea.	254.00	\$508	
U	262416302500	Panelboards, 3 phase 4 wire, main circuit breaker, 277/480 V, 100 amp, 24 circuits, NEHB, incl 20 A 1 pole plug-in breakers	2	Ea.	4,175.00	\$8,350	
<b>Sub Total</b>						<b>\$8,858</b>	
					Construction Adjustment	35%	3,056
<b>Construction Cost</b>						<b>\$11,914</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	6,510
<b>Total Estimated Amount</b>						<b>\$18,424</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID	<b>205028</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>33921</b>		

Deficiency **Controls Are Inadequate And Should Be Replaced With DDC Controls**

Category **Capital Renewal** System **Mechanical**

Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**

Correction **Replace Pneumatic Controls with DDC Controls** Quantity / UoM

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **205031** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **33928**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	26,000.00	\$26,000
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	250	Lb	13.40	\$3,350
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$32,100</b>
					Construction Adjustment	35% 11,074
<b>Construction Cost</b>						<b>\$43,174</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 20,918
<b>Total Estimated Amount</b>						<b>\$64,093</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **208092** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	14,500	SF	7.25	\$105,125
<b>Sub Total</b>						<b>\$105,125</b>
					Construction Adjustment	35% 36,268
					<b>Construction Cost</b>	<b>\$141,393</b>
					Adjustment Factor	72% 101,803
					Soft Cost Adjustment	48% 68,505
<b>Total Estimated Amount</b>						<b>\$311,701</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **316094** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-STEM**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **STEM lab requires renovation based on condition of room(s)**  
Category **Capital Renewal** System **Other**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**  
Correction **Renovate / Remodel STEM Lab** Quantity / UoM  
Project(s) Note **Room design = 241**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Allowance for renovation	1	LS	220,500,00	\$220,500
<b>Sub Total</b>						<b>\$220,500</b>
					Construction Adjustment	35% 76,072
<b>Construction Cost</b>						<b>\$296,572</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 143,422
<b>Total Estimated Amount</b>						<b>\$439,995</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **316354** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-ADARR**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Provide renovation of restrooms associated with educational adequacy renovations**

Category **Capital Renewal** System **Other**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**

Correction **Renovate / Remodel related restrooms** Quantity / UoM

Project(s) Note **Room design = 815/816**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for renovation	1	LS	21,556.05	\$21,556	
<b>Sub Total</b>						<b>\$21,556</b>	
					Construction Adjustment	35%	7,437
<b>Construction Cost</b>						<b>\$28,993</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	14,021
<b>Total Estimated Amount</b>						<b>\$43,014</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **205133** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **34132**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 277/480 225A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260505101270	Panelboards, 4 wire, 120/208 V, 200 amp, to 42 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	1	Ea.	550.00	\$550	
U	262416302600	Panelboards, 3 phase 4 wire, main circuit breaker, 277/480 V, 225 amp, 30 circuits, NEHB, incl 20 A 1 pole plug-in breakers	1	Ea.	5,625.00	\$5,625	
<b>Sub Total</b>						<b>\$6,175</b>	
Construction Adjustment						35%	2,130
<b>Construction Cost</b>						<b>\$8,305</b>	
Adjustment Factor						0%	0
Soft Cost Adjustment						55%	4,538
<b>Total Estimated Amount</b>						<b>\$12,843</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **205035** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-03DX**  
Status **Estimated** FCI **Yes**  
Life Cycle **33930**

Deficiency **The Fan Coil HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Fan Coil - D/X ( 5 ton)** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505102154	Fan coil air conditioner, direct expansion, up thru 10 ton, selective demolition	2	Ea.	164.00	\$328	
U	238219101000	Fan coil A.C., direct expansion for use w/air cooled condensing unit, 5 ton cooling, includes filters and controls	2	Ea.	2,050.00	\$4,100	
<b>Sub Total</b>						<b>\$4,428</b>	
					Construction Adjustment	35%	1,528
<b>Construction Cost</b>						<b>\$5,956</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	2,886
<b>Total Estimated Amount</b>						<b>\$8,841</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->PE Building**

**Deficiency:**

Assess ID **205065** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33994**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 120/208 100A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	262416300600	Panelboards, 3 phase 4 wire, main lugs, 120/208 V, 100 amp, 12 circuits, NQOD, incl 20 A 1 pole plug-in breakers	12	Ea.	1,350.00	\$16,200	
U	260505101260	Panelboards, 4 wire, 120/208 V, 125 amp, to 20 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	12	Ea.	275.00	\$3,300	
<b>Sub Total</b>						<b>\$19,500</b>	
					Construction Adjustment	35%	6,727
<b>Construction Cost</b>						<b>\$26,227</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	14,331
<b>Total Estimated Amount</b>						<b>\$40,558</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->PE Building**

**Deficiency:**

Assess ID **205066** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E75-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33995**

Deficiency **The Panelboard Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Panelboard - 277/480 225A** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260505101270	Panelboards, 4 wire, 120/208 V, 200 amp, to 42 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	15	Ea.	550.00	\$8,250	
U	262416302600	Panelboards, 3 phase 4 wire, main circuit breaker, 277/480 V, 225 amp, 30 circuits, NEHB, incl 20 A 1 pole plug-in breakers	15	Ea.	5,625.00	\$84,375	
<b>Sub Total</b>						<b>\$92,625</b>	
					Construction Adjustment	35%	31,956
<b>Construction Cost</b>						<b>\$124,581</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	68,071
<b>Total Estimated Amount</b>						<b>\$192,651</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **205094** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M23-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Roof Air Handler/Exhaust is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Rooftop Air Handler/Exhaust** Quantity / UoM  
Project(s) Note **2 Qty 10,000 = 20,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237433101200	Rooftop air conditioner, single zone, electric cool, gas heat, 20 ton cooling, 360 MBH heating, includes, standard controls, curb and economizer	0	Ea.	30,300.00	\$3,030	
M	015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity	0	Day	615.31	\$62	
U	260580102055	Motor connections, flexible conduit and fittings, 3 phase, sealtite, 460 volt, 150 HP motor	0	Ea.	480.00	\$96	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	0	Job	680.00	\$136	
<b>Sub Total</b>						<b>\$3,324</b>	
					Construction Adjustment	35%	1,147
<b>Construction Cost</b>						<b>\$4,470</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	2,166
<b>Total Estimated Amount</b>						<b>\$6,636</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **208093** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	14,232	SF	7,25	\$103,182
<b>Sub Total</b>						<b>\$103,182</b>
					Construction Adjustment	35% 35,598
<b>Construction Cost</b>						<b>\$138,780</b>
					Adjustment Factor	72% 99,921
					Soft Cost Adjustment	48% 67,239
<b>Total Estimated Amount</b>						<b>\$305,940</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->PE Building**

**Deficiency:**

Assess ID **208094** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	8,770	SF	7.25	\$63,583
<b>Sub Total</b>						<b>\$63,583</b>
					Construction Adjustment	35% 21,936
<b>Construction Cost</b>						<b>\$85,518</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 41,434
<b>Total Estimated Amount</b>						<b>\$126,952</b>



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 11**

**Deficiency:**

Assess ID **208095** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	770	SF	7.25	\$5,583
<b>Sub Total</b>						<b>\$5,583</b>
Construction Adjustment					35%	1,926
<b>Construction Cost</b>						<b>\$7,508</b>
Adjustment Factor					0%	0
Soft Cost Adjustment					48%	3,638
<b>Total Estimated Amount</b>						<b>\$11,146</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **211420** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	67	OPNG	169.00	\$11,267	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	67	Ea.	770.00	\$51,333	
U	080505200280	Window demolition, aluminum, to 50 S.F.	67	Ea.	96.50	\$6,433	
<b>Sub Total</b>						<b>\$69,033</b>	
					Construction Adjustment	35%	23,817
<b>Construction Cost</b>						<b>\$92,850</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	44,986
<b>Total Estimated Amount</b>						<b>\$137,836</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID **212041** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM  
Project(s) Note **add a/c to restrooms**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$928
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	40	Lb	2.56	\$101
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	106	LF	4.91	\$519
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	0	Ea.	655.00	\$216
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	350	SF	3.43	\$1,201
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	8	SYSTEM	73.50	\$582
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	350	SF	3.95	\$1,383
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	0	Ea.	226.00	\$75
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	0	Ea.	2,225.00	\$735
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	53	LF	4.79	\$253
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	0	Ea.	515.00	\$102
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	1	Job	680.00	\$674
<b>Sub Total</b>						<b>\$6,767</b>
					Construction Adjustment	35% 2,335
<b>Construction Cost</b>						<b>\$9,102</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 4,410
<b>Total Estimated Amount</b>						<b>\$13,512</b>

Stranahan Senior High School 290

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->PE Building**

**Deficiency:**

Assess ID **212047** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$20,055
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	857	Lb	2.56	\$2,193
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	2,285	LF	4.91	\$11,218
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	7	Ea.	655.00	\$4,676
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	7,568	SF	3.43	\$25,958
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	171	SYSTEM	73.50	\$12,594
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	7,568	SF	3.95	\$29,894
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	7	Ea.	226.00	\$1,614
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	7	Ea.	2,225.00	\$15,886
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	1,142	LF	4.79	\$5,472
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	4	Ea.	515.00	\$2,206
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	21	Job	680.00	\$14,565
<b>Sub Total</b>						<b>\$146,331</b>
					Construction Adjustment	35% 50,484
<b>Construction Cost</b>						<b>\$196,815</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 95,357
<b>Total Estimated Amount</b>						<b>\$292,172</b>

Stranahan Senior High School 290

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **212050** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **E59-01**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Electrical Circuit Capacity Is Inadequate**  
Category **Functional Deficiency** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Install New Electrical Circuit At Panelboard** Quantity / UoM  
Project(s) Note **add capacity to support security system for cafeteria**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519909000	Wire, minimum labor/equipment charge	2	Job	165.00	\$330	
U	260533169000	Outlet boxes, minimum labor/equipment charge	2	Job	165.00	\$330	
U	019313161010	Electrical facilities maintenance, distribution systems and equipment, install or repair a breaker in power panels, up to 200 amps	2	Ea.	94.50	\$189	
U	262416100600	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 16 circuits, incl 20 A 1 pole plug-in breakers	0	Ea.	975.00	\$130	
<b>Sub Total</b>						<b>\$979</b>	
					Construction Adjustment	35%	338
<b>Construction Cost</b>						<b>\$1,317</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	719
<b>Total Estimated Amount</b>						<b>\$2,036</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 9**

**Deficiency:**

Assess ID	<b>316123</b>	Surveyor/Update	<b>Eric Sheppard</b>
Deficiency Code ID	<b>EA-STEM</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle			

Deficiency	<b>STEM lab requires renovation based on condition of room(s)</b>		
Category	<b>Capital Renewal</b>	System	<b>Other</b>
Priority	<b>2-Indirect Impact to Mission (1 Year)</b>	Functional Adequacy	<b>Other</b>
Correction	<b>Renovate / Remodel STEM Lab</b>	Quantity / UoM	
Project(s) Note	<b>Room design = 245</b>		

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for renovation	1	LS	85,000.00	\$85,000	
<b>Sub Total</b>						<b>\$85,000</b>	
					Construction Adjustment	35%	29,325
<b>Construction Cost</b>						<b>\$114,325</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	55,288
<b>Total Estimated Amount</b>						<b>\$169,613</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID	<b>205123</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>34098</b>		

Deficiency **Controls Are Inadequate And Should Be Replaced With DDC Controls**

Category **Capital Renewal** System **Mechanical**

Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**

Correction **Replace Pneumatic Controls with DDC Controls** Quantity / UoM

Project(s) Note

**Estimate:**



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **205124** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02OD**  
Status **Estimated** FCI **Yes**  
Life Cycle **34109**

Deficiency **Out-Door Air Handler HVAC Component Required Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace AHU 20000 CFM Outdoor** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505100410	Central station air handler, 17.5 thru 30 ton, selective demolition	2	Ea.	1,650.00	\$3,300	
U	015419500200	Crane crew, daily use for small jobs, 25-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,750.00	\$3,500	
U	237413103170	Air handling unit, packaged weatherproof, with cooling/heating coil section, filters, mixing box, constant volume, single zone, 20,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	131,000.00	\$262,000	
U	233113131040	Metal ductwork, fabricated rectangular, 1000 to 2000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	2	Lb	12.85	\$26	
U	260580101570	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 60 HP motor	2	Ea.	206.00	\$412	
<b>Sub Total</b>						<b>\$269,238</b>	
					Construction Adjustment	35%	92,887
<b>Construction Cost</b>						<b>\$362,125</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	175,449
<b>Total Estimated Amount</b>						<b>\$537,574</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205159** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E72-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Electrical Transformer Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 112.5 KVA Electrical Transformer** Quantity / UoM  
Project(s) Note **Qty 2 = 60 Amps**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519505410	Mineral insulated cable terminations, 1 conductor, 600 volt, 250 kcmil	2	Ea.	224.00	\$448	
U	262213103900	Transformer, dry-type, 3 phase 480 V primary 120/208 V secondary, 112.5 kVA	2	Ea.	5,125.00	\$10,250	
U	260505101530	Transformer, dry type, primary, 3 phase, to 600 V, 112.5 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	2	Ea.	620.00	\$1,240	
<b>Sub Total</b>						<b>\$11,938</b>	
					Construction Adjustment	35%	4,119
<b>Construction Cost</b>						<b>\$16,057</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	8,773
<b>Total Estimated Amount</b>						<b>\$24,830</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205160** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E72-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Electrical Transformer Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 112.5 KVA Electrical Transformer** Quantity / UoM  
Project(s) Note **Qty 1 = 75 KVA**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519505410	Mineral insulated cable terminations, 1 conductor, 600 volt, 250 kcmil	1	Ea.	224.00	\$224	
U	262213103900	Transformer, dry-type, 3 phase 480 V primary 120/208 V secondary, 112.5 kVA	1	Ea.	5,125.00	\$5,125	
U	260505101530	Transformer, dry type, primary, 3 phase, to 600 V, 112.5 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	1	Ea.	620.00	\$620	
<b>Sub Total</b>						<b>\$5,969</b>	
					Construction Adjustment	35%	2,059
<b>Construction Cost</b>						<b>\$8,028</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	4,387
<b>Total Estimated Amount</b>						<b>\$12,415</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **205097** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	1	Ea.	9,650.00	\$11,525	
<b>Sub Total</b>						<b>\$11,525</b>	
					Construction Adjustment	35%	3,976
<b>Construction Cost</b>						<b>\$15,501</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	7,510
<b>Total Estimated Amount</b>						<b>\$23,011</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **205101** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **2 Qty 10,000 = 20,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	26,000.00	\$52,000	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	2	Ea.	820.00	\$1,640	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,600.00	\$3,200	
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	500	Lb	13.40	\$6,700	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	2	Ea.	330.00	\$660	
<b>Sub Total</b>						<b>\$64,200</b>	
					Construction Adjustment	35%	22,149
<b>Construction Cost</b>						<b>\$86,349</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	41,836
<b>Total Estimated Amount</b>						<b>\$128,185</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Pool Lockers**

**Deficiency:**

Assess ID **205141** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-12c**  
Status **Estimated** FCI **Yes**  
Life Cycle **34176**

Deficiency **The Window AC Unit Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Window AC Unit** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505108400	Window air conditioner, selective demolition	2	Ea.	37,50	\$75	
U	238119104780	Window/thru-the-wall unit air conditioner, grounded receptacle required, 15 amp 230 V, 18,000 BTUH	2	Ea.	1,200,00	\$2,400	
<b>Sub Total</b>						<b>\$2,475</b>	
Construction Adjustment						35%	854
<b>Construction Cost</b>						<b>\$3,329</b>	
Adjustment Factor						0%	0
Soft Cost Adjustment						48%	1,613
<b>Total Estimated Amount</b>						<b>\$4,942</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym Lockers**

**Deficiency:**

Assess ID **205152** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **34203**

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM  
Project(s) Note **2x3**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	3	OPNG	169.00	\$451	
U	080505200280	Window demolition, aluminum, to 50 S.F.	3	Ea.	96.50	\$257	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	3	Ea.	770.00	\$2,053	
<b>Sub Total</b>						<b>\$2,761</b>	
					Construction Adjustment	35%	953
<b>Construction Cost</b>						<b>\$3,714</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	1,799
<b>Total Estimated Amount</b>						<b>\$5,513</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205162** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M54-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Controls Require Repair**  
Category **Deferred Maintenance** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Fix Pneumatic Controls** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230943100280	Pneumatic control system, heating & ventilating, split system, mixed air control, enthalpy cycle, panel readout, tubing, 10 to 20 tons, including nominal 50' of tubing	1	Ea.	9,650.00	\$13,367	
<b>Sub Total</b>						<b>\$13,367</b>	
					Construction Adjustment	35%	4,611
<b>Construction Cost</b>						<b>\$17,978</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	8,710
<b>Total Estimated Amount</b>						<b>\$26,689</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205171** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E72-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **34392**

Deficiency **The Electrical Transformer Requires Replacement**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 75 KVA Electrical Transformer** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519505410	Mineral insulated cable terminations, 1 conductor, 600 volt, 250 kcmil	1	Ea.	224.00	\$224	
U	262213103700	Transformer, dry-type, ventilated, 3 phase 480 V primary 120/208 V secondary, 75 kVA	1	Ea.	4,225.00	\$4,225	
U	260505101520	Transformer, dry type, primary, 3 phase, to 600 V, 75 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	1	Ea.	490.00	\$490	
<b>Sub Total</b>						<b>\$4,939</b>	
					Construction Adjustment	35%	1,704
<b>Construction Cost</b>						<b>\$6,643</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	3,630
<b>Total Estimated Amount</b>						<b>\$10,273</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Cafe**

**Deficiency:**

Assess ID **208096** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	17,650	SF	7.25	\$127,963
<b>Sub Total</b>						<b>\$127,963</b>
					Construction Adjustment	35% 44,147
<b>Construction Cost</b>						<b>\$172,110</b>
					Adjustment Factor	72% 123,919
					Soft Cost Adjustment	48% 83,387
<b>Total Estimated Amount</b>						<b>\$379,416</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Pool Lockers**

**Deficiency:**

Assess ID **208097** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	5,600	SF	7.25	\$40,600
<b>Sub Total</b>						<b>\$40,600</b>
					Construction Adjustment	35% 14,007
<b>Construction Cost</b>						<b>\$54,607</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 26,457
<b>Total Estimated Amount</b>						<b>\$81,064</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym Lockers**

**Deficiency:**

Assess ID **208098** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	10,765	SF	7.25	\$78,046
<b>Sub Total</b>						<b>\$78,046</b>
					Construction Adjustment	35% 26,926
<b>Construction Cost</b>						<b>\$104,972</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 50,859
<b>Total Estimated Amount</b>						<b>\$155,831</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym Lockers**

**Deficiency:**

Assess ID **212057** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **M50-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Complete HVAC System Wide Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace HVAC System** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	235223203400	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 3808 MBH, includes standard controls and insulated jacket, packaged	0	Ea.	53,000.00	\$15,590
U	230505101580	Ductwork, aluminum, fabricated, selective demolition	666	Lb	2.56	\$1,705
U	019313150830	Ductwork, rectangular, clean, 8" x 16" (max)	1,776	LF	4.91	\$8,720
U	230505100100	Air conditioner, split unit air conditioner, 3 ton, selective demolition	6	Ea.	655.00	\$3,635
U	095123100500	Suspended acoustic ceiling tiles, fiberglass boards, film faced, thermal, 2' x 2' or 2' x 4' x 3" thick, R11	5,883	SF	3.43	\$20,179
U	221113239430	Pipe, sub assemblies used in assembly systems, chilled water distribution piping, per ton, less than 61 ton systems	133	SYSTEM	73.50	\$9,790
U	230713103170	Duct thermal insulation, blanket type, fiberglass, flexible, FSK vapor barrier wrap, .75 lb, density, 1-1/2" thick	5,883	SF	3.95	\$23,238
U	260580100150	Motor connections, flexible conduit and fittings, 3 phase, 230 volt, 15 HP motor	6	Ea.	226.00	\$1,254
U	238219100160	Fan coil A.C., cabinet mounted, chilled water, 2.5 ton cooling, includes filters and controls	6	Ea.	2,225.00	\$12,349
U	220505102050	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	888	LF	4.79	\$4,254
U	220505102186	Pump, 7-1/2 H.P. thru 15 H.P., selective demolition	3	Ea.	515.00	\$1,715
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	17	Job	680.00	\$11,322
<b>Sub Total</b>						<b>\$113,751</b>
					Construction Adjustment	35% 39,244
<b>Construction Cost</b>						<b>\$152,995</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 74,126
<b>Total Estimated Amount</b>						<b>\$227,120</b>

Stranahan Senior High School 290

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **212058** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **E59-01**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Electrical Circuit Capacity Is Inadequate**  
Category **Functional Deficiency** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Install New Electrical Circuit At Panelboard** Quantity / UoM  
Project(s) Note **add electrical capacity**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260519909000	Wire, minimum labor/equipment charge	2	Job	165.00	\$330	
U	260533169000	Outlet boxes, minimum labor/equipment charge	2	Job	165.00	\$330	
U	019313161010	Electrical facilities maintenance, distribution systems and equipment, install or repair a breaker in power panels, up to 200 amps	2	Ea.	94.50	\$189	
U	262416100600	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 16 circuits, incl 20 A 1 pole plug-in breakers	0	Ea.	975.00	\$130	
<b>Sub Total</b>						<b>\$979</b>	
					Construction Adjustment	35%	338
<b>Construction Cost</b>						<b>\$1,317</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	55%	719
<b>Total Estimated Amount</b>						<b>\$2,036</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Ag Labs**

**Deficiency:**

Assess ID **316043** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-STEM**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **STEM lab requires renovation based on condition of room(s)**  
Category **Capital Renewal** System **Other**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**  
Correction **Renovate / Remodel STEM Lab** Quantity / UoM  
Project(s) Note **Room design = 201**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Allowance for renovation	1	LS	57,479.64	\$57,480
<b>Sub Total</b>						<b>\$57,480</b>
Construction Adjustment					35%	19,830
<b>Construction Cost</b>						<b>\$77,310</b>
Adjustment Factor					0%	0
Soft Cost Adjustment					48%	37,387
<b>Total Estimated Amount</b>						<b>\$114,697</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205164** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM  
Project(s) Note **2 Qty @ 10,000 = 20,000 CFM**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	26,000.00	\$52,000	
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	2	Ea.	820.00	\$1,640	
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,600.00	\$3,200	
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	500	Lb	13.40	\$6,700	
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	2	Ea.	330.00	\$660	
<b>Sub Total</b>						<b>\$64,200</b>	
					Construction Adjustment	35%	22,149
<b>Construction Cost</b>						<b>\$86,349</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	41,836
<b>Total Estimated Amount</b>						<b>\$128,185</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID	<b>205168</b>	Surveyor/Update	<b>Rebecca Jordan</b>
Deficiency Code ID	<b>M54-03</b>		
Status	<b>Estimated</b>	FCI	<b>Yes</b>
Life Cycle	<b>34361</b>		

Deficiency	<b>Controls Are Inadequate And Should Be Replaced With DDC Controls</b>		
Category	<b>Capital Renewal</b>	System	<b>Mechanical</b>
Priority	<b>3-Short Term Conditions (2-3 Years)</b>	Functional Adequacy	<b>Non Related</b>
Correction	<b>Replace Pneumatic Controls with DDC Controls</b>	Quantity / UoM	

Project(s) Note

**Estimate:**

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205169** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-12c**  
Status **Estimated** FCI **Yes**  
Life Cycle **34371**

Deficiency **The Window AC Unit Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Window AC Unit** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505108400	Window air conditioner, selective demolition	3	Ea.	37,50	\$113	
U	238119104780	Window/thru-the-wall unit air conditioner, grounded receptacle required, 15 amp 230 V, 18,000 BTUH	3	Ea.	1,200,00	\$3,600	
<b>Sub Total</b>						<b>\$3,713</b>	
Construction Adjustment						35%	1,281
<b>Construction Cost</b>						<b>\$4,993</b>	
Adjustment Factor						0%	0
Soft Cost Adjustment						48%	2,419
<b>Total Estimated Amount</b>						<b>\$7,413</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **205170** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **34372**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 10000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202350	Central station air handling unit, packaged indoor, variable air volume, 10,000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	2	Ea.	49,100.00	\$98,200
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	2	Ea.	820.00	\$1,640
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	2	Day	1,600.00	\$3,200
U	233113130120	Metal ductwork, fabricated rectangular, 500 to 1000 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	1,000	Lb	23.00	\$23,000
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	2	Ea.	330.00	\$660
<b>Sub Total</b>						<b>\$126,700</b>
					Construction Adjustment	35% 43,711
<b>Construction Cost</b>						<b>\$170,411</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	48% 82,564
<b>Total Estimated Amount</b>						<b>\$252,976</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **205178** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **A40-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **34411**

Deficiency **The Aluminum Window Is Damaged And Requires Replacement**  
Category **Capital Renewal** System **Exterior**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Frame Window** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	062213506000	Moldings, window & door, window trim sets, 2-1/2" wide, maximum	0	OPNG	169.00	\$14	
U	085113203920	Windows, aluminum, commercial grade, stock units, awning type, insulating glass, 3'-0" x 4'-0" opening, incl. frame and glazing	0	Ea.	770.00	\$64	
U	080505200280	Window demolition, aluminum, to 50 S.F.	0	Ea.	96.50	\$8	
<b>Sub Total</b>						<b>\$86</b>	
					Construction Adjustment	35%	30
<b>Construction Cost</b>						<b>\$116</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	56
<b>Total Estimated Amount</b>						<b>\$172</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **205184** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-06WAT**  
Status **Estimated** FCI **Yes**  
Life Cycle **34431**

Deficiency **The Cast Iron Water Boiler Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace 4488 MBH Cast Iron Boiler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	230505100360	Boiler, gas and or oil or solid, 2100 thru 4500 MBH, selective demolition	1	Ea.	5,550.00	\$5,550	
U	235223203420	Boiler, gas fired, natural or propane, cast iron, hot water, gross output, 4488 MBH, includes standard controls and insulated jacket, packaged	1	Ea.	58,000.00	\$58,000	
U	015436502200	Mobilization or demobilization, crane, crawler-mounted, up to 75 ton	1	Ea.	1,125.00	\$1,125	
<b>Sub Total</b>						<b>\$64,675</b>	
					Construction Adjustment	35%	22,313
<b>Construction Cost</b>						<b>\$86,988</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	42,146
<b>Total Estimated Amount</b>						<b>\$129,133</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg Support**

**Deficiency:**

Assess ID **208100** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Estimate based of BCPS experience	700	SF	7.25	\$5,075	
<b>Sub Total</b>						<b>\$5,075</b>	
					Construction Adjustment	35%	1,751
<b>Construction Cost</b>						<b>\$6,826</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	3,307
<b>Total Estimated Amount</b>						<b>\$10,133</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Ag Labs**

**Deficiency:**

Assess ID **205192** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-01C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Package Unit HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace packaged HVAC Unit** Quantity / UoM  
Project(s) Note **Qty 1 @ 5 = 5 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M	015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity	0	Day	615.31	\$18	
M	D30502011010	A/C packaged, DX, air cooled, electric heat, constant volume, 5 ton	0	Ea.	9,822.62	\$982	
U	233723104250	Ventilator, stationary mushroom, aluminum, 42" orifice diameter, includes base	0	Ea.	2,950.00	\$295	
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	0	Job	680.00	\$78	
<b>Sub Total</b>						<b>\$1,373</b>	
					Construction Adjustment	35%	474
<b>Construction Cost</b>						<b>\$1,846</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	46%	841
<b>Total Estimated Amount</b>						<b>\$2,688</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Ag Labs**

**Deficiency:**

Assess ID **205208** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-03DX**  
Status **Estimated** FCI **Yes**  
Life Cycle **34512**

Deficiency **The Fan Coil HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Fan Coil - D/X ( 5 ton)** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	230505102154	Fan coil air conditioner, direct expansion, up thru 10 ton, selective demolition	1	Ea.	164.00	\$164
U	238219101000	Fan coil A.C., direct expansion for use w/air cooled condensing unit, 5 ton cooling, includes filters and controls	1	Ea.	2,050.00	\$2,050
<b>Sub Total</b>						<b>\$2,214</b>
					Construction Adjustment	35% 764
<b>Construction Cost</b>						<b>\$2,978</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	46% 1,357
<b>Total Estimated Amount</b>						<b>\$4,335</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Gym**

**Deficiency:**

Assess ID **208099** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	14,544	SF	7,25	\$105,444
<b>Sub Total</b>						<b>\$105,444</b>
					Construction Adjustment	35% 36,378
<b>Construction Cost</b>						<b>\$141,822</b>
					Adjustment Factor	72% 102,112
					Soft Cost Adjustment	48% 68,713
<b>Total Estimated Amount</b>						<b>\$312,647</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Ag Labs**

**Deficiency:**

Assess ID **316342** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **EA-ADARR**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Provide renovation of restrooms associated with educational adequacy renovations**

Category **Capital Renewal** System **Other**

Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Other**

Correction **Renovate / Remodel related restrooms** Quantity / UoM

Project(s) Note **Room design = 815/816**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Allowance for renovation	1	LS	14,467.15	\$14,467
<b>Sub Total</b>						<b>\$14,467</b>
Construction Adjustment					35%	4,991
<b>Construction Cost</b>						<b>\$19,458</b>
Adjustment Factor					0%	0
Soft Cost Adjustment					48%	9,410
<b>Total Estimated Amount</b>						<b>\$28,868</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Bldg 20**

**Deficiency:**

Assess ID **208103** Surveyor/Update **Chris Taylor**  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	28,700	SF	7,25	\$208,075
M		Adjustment to match project budget	1	LS	12,743,20	\$12,743
<b>Sub Total</b>						<b>\$220,818</b>
Construction Adjustment					35%	76,182
<b>Construction Cost</b>						<b>\$297,000</b>
Adjustment Factor					110%	326,701
Soft Cost Adjustment					42%	126,047
<b>Total Estimated Amount</b>						<b>\$749,748</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Admin**

**Deficiency:**

Assess ID **208104** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Estimate based of BCPS experience	3,300	SF	7.25	\$23,925	
<b>Sub Total</b>						<b>\$23,925</b>	
					Construction Adjustment	35%	8,254
<b>Construction Cost</b>						<b>\$32,179</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	42%	13,657
<b>Total Estimated Amount</b>						<b>\$45,836</b>	



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Sto**

**Deficiency:**

Assess ID **208105** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Estimate based of BCPS experience	1,000	SF	7.25	\$7,250	
<b>Sub Total</b>						<b>\$7,250</b>	
					Construction Adjustment	35%	2,501
<b>Construction Cost</b>						<b>\$9,751</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	46%	4,445
<b>Total Estimated Amount</b>						<b>\$14,196</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->CR**

**Deficiency:**

Assess ID **208106** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM  
Project(s) Note **Pump house**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	100	SF	7.25	\$725
<b>Sub Total</b>						<b>\$725</b>
					Construction Adjustment	35% 250
<b>Construction Cost</b>						<b>\$975</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 414
<b>Total Estimated Amount</b>						<b>\$1,389</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->CR**

**Deficiency:**

Assess ID **208107** Surveyor/Update  
Deficiency Code ID **BCROOF-03**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Roof Equipment requires Cabling**  
Category **Code Compliance** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Install equipment cabling per ASCE 7** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for cabling	4	Ea.	100.00	\$400	
<b>Sub Total</b>						<b>\$400</b>	
					Construction Adjustment	35%	138
<b>Construction Cost</b>						<b>\$538</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	42%	228
<b>Total Estimated Amount</b>						<b>\$766</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS**

**Deficiency:**

Assess ID **204645** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **E01-03**  
Status **Estimated** FCI **Yes**  
Life Cycle **33002**

Deficiency **The Pole Lighting Is Damaged And Should Be Replaced**  
Category **Capital Renewal** System **Electrical**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Pole Lighting** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
U	260533131870	Rigid galvanized steel conduit, 2" diameter, to 15' H, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	31	LF	23.00	\$713	
U	265613103000	Light poles, anchor base, aluminum, 20' high, excl concrete bases	31	Ea.	1,650.00	\$51,150	
U	260505503030	Metal light pole, 20' high, electrical demolition, remove, excl concrete bases	31	Ea.	207.00	\$6,417	
U	265636202600	Floodlights, exterior, high pressure sodium, 1000 watt, incl ballast and lamp, excl pole	31	Ea.	1,050.00	\$32,550	
<b>Sub Total</b>						<b>\$90,830</b>	
					Construction Adjustment	35%	31,336
<b>Construction Cost</b>						<b>\$122,166</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	59,080
<b>Total Estimated Amount</b>						<b>\$181,246</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Admin**

**Deficiency:**

Assess ID **205247** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-02C**  
Status **Estimated** FCI **Yes**  
Life Cycle **34735**

Deficiency **The Air Handler HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace 5000 CFM Air Handler** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	237313202340	Central station air handling unit, packaged indoor, variable air volume, 5000 CFM, cooling coils may be chilled water or DX, heating coils may be hot water, steam or electric	1	Ea.	26,000.00	\$26,000
U	230505100400	Central station air handler, up thru 15 ton, selective demolition	1	Ea.	820.00	\$820
U	015419500100	Crane crew, daily use for small jobs, 12-ton truck-mounted hydraulic crane, portal to portal	1	Day	1,600.00	\$1,600
U	233113131030	Metal ductwork, fabricated rectangular, 500 to 1000 lb., stainless steel, type 304, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	250	Lb	13.40	\$3,350
U	260580101590	Motor connections, flexible conduit and fittings, 3 phase, 460 volt, 100 HP motor	1	Ea.	330.00	\$330
<b>Sub Total</b>						<b>\$32,100</b>
					Construction Adjustment	35% 11,074
<b>Construction Cost</b>						<b>\$43,174</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 18,323
<b>Total Estimated Amount</b>						<b>\$61,498</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Lab**

**Deficiency:**

Assess ID **205264** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-01C**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **The Package Unit HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace packaged HVAC Unit** Quantity / UoM  
Project(s) Note **Qty 1 @ 5 = 5 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M	015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity	0	Day	615.31	\$18
M	D30502011010	A/C packaged, DX, air cooled, electric heat, constant volume, 5 ton	0	Ea.	9,822.62	\$982
U	233723104250	Ventilator, stationary mushroom, aluminum, 42" orifice diameter, includes base	0	Ea.	2,950.00	\$295
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	0	Job	680.00	\$78
<b>Sub Total</b>						<b>\$1,373</b>
					Construction Adjustment	35% 474
<b>Construction Cost</b>						<b>\$1,846</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 783
<b>Total Estimated Amount</b>						<b>\$2,630</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Lab**

**Deficiency:**

Assess ID **205270** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-03DX**  
Status **Estimated** FCI **Yes**  
Life Cycle **34970**

Deficiency **The Fan Coil HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace Fan Coil - D/X ( 5 ton)** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	230505102154	Fan coil air conditioner, direct expansion, up thru 10 ton, selective demolition	1	Ea.	164.00	\$164
U	238219101000	Fan coil A.C., direct expansion for use w/air cooled condensing unit, 5 ton cooling, includes filters and controls	1	Ea.	2,050.00	\$2,050
<b>Sub Total</b>						<b>\$2,214</b>
					Construction Adjustment	35% 764
<b>Construction Cost</b>						<b>\$2,978</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 1,264
<b>Total Estimated Amount</b>						<b>\$4,242</b>



**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->CR**

**Deficiency:**

Assess ID **205278** Surveyor/Update **Rebecca Jordan**  
Deficiency Code ID **M57-01C**  
Status **Estimated** FCI **Yes**  
Life Cycle **35140**

Deficiency **The Package Unit HVAC Component Requires Replacement**  
Category **Capital Renewal** System **Mechanical**  
Priority **3-Short Term Conditions (2-3 Years)** Functional Adequacy **Non Related**  
Correction **Replace packaged HVAC Unit** Quantity / UoM  
Project(s) Note **Qty 1 @ 3.5 = 3.5 TonAC**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M	015433602500	Rent crane truck mounted, hydraulic, 25 ton capacity	0	Day	615.31	\$18
M	D30502011010	A/C packaged, DX, air cooled, electric heat, constant volume, 5 ton	0	Ea.	9,822.62	\$982
U	233723104250	Ventilator, stationary mushroom, aluminum, 42" orifice diameter, includes base	0	Ea.	2,950.00	\$295
U	230505109000	HVAC, selective demolition, minimum labor/equipment charge	0	Job	680.00	\$78
<b>Sub Total</b>						<b>\$1,373</b>
					Construction Adjustment	35% 474
<b>Construction Cost</b>						<b>\$1,846</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 783
<b>Total Estimated Amount</b>						<b>\$2,630</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Ag Labs**

**Deficiency:**

Assess ID **208101** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
M		Estimate based of BCPS experience	2,400	SF	7.25	\$17,400
<b>Sub Total</b>						<b>\$17,400</b>
					Construction Adjustment	35% 6,003
<b>Construction Cost</b>						<b>\$23,403</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	46% 10,667
<b>Total Estimated Amount</b>						<b>\$34,070</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS->Sto**

**Deficiency:**

Assess ID **208102** Surveyor/Update  
Deficiency Code ID **BCRoof-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Reroofing with new Decking Required (Broward CPS)**  
Category **Capital Renewal** System **Roofing**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Reroof and Replace Decking** Quantity / UoM

Project(s) Note

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Estimate based of BCPS experience	600	SF	7.25	\$4,350	
<b>Sub Total</b>						<b>\$4,350</b>	
					Construction Adjustment	35%	1,501
<b>Construction Cost</b>						<b>\$5,851</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	48%	2,835
<b>Total Estimated Amount</b>						<b>\$8,685</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS**

**Deficiency:**

Assess ID **314505** Surveyor/Update  
Deficiency Code ID **A14-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Aluminum Covered Walkways Require Replacement**  
Category **Capital Renewal** System **Roofing**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Walkway** Quantity / UoM  
Project(s) Note **Originally part of roof replacement deficiency. Pulled out separate to reflect covered walk canopy pricing.**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	074113100600	Aluminum roof panels, corrugated, on steel frame, painted, .018" thick	5,481	SF	3,71	\$20,335
<b>Sub Total</b>						<b>\$20,335</b>
					Construction Adjustment	35% 7,015
<b>Construction Cost</b>						<b>\$27,350</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 11,607
<b>Total Estimated Amount</b>						<b>\$38,957</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS**

**Deficiency:**

Assess ID **314506** Surveyor/Update  
Deficiency Code ID **A14-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Aluminum Covered Walkways Require Replacement**  
Category **Capital Renewal** System **Roofing**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Walkway** Quantity / UoM  
Project(s) Note **Originally part of roof replacement deficiency. Pulled out separate to reflect covered walk canopy pricing.**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	074113100600	Aluminum roof panels, corrugated, on steel frame, painted, .018" thick	3,200	SF	3,71	\$11,872
<b>Sub Total</b>						<b>\$11,872</b>
					Construction Adjustment	35% 4,096
<b>Construction Cost</b>						<b>\$15,968</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 6,777
<b>Total Estimated Amount</b>						<b>\$22,745</b>

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS**

**Deficiency:**

Assess ID **220885** Surveyor/Update **Eric Sheppard**  
Deficiency Code ID **FireAlarm-01**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Entire Fire Alarm System Needs to be Replaced**  
Category **Capital Renewal** System **Fire and Security**  
Priority **1-Mission Critical Concerns** Functional Adequacy **Non Related**  
Correction **Replace Entire Fire Alarm System** Quantity / UoM  
Project(s) Note **Model: 3030**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension	
M		Allowance for Fire Alarm Replacement	1	LS	699,500,00	\$699,500	
<b>Sub Total</b>						<b>\$699,500</b>	
					Construction Adjustment	35%	241,327
					<b>Construction Cost</b>	<b>\$940,827</b>	
					Adjustment Factor	0%	0
					Soft Cost Adjustment	42%	399,287
					<b>Total Estimated Amount</b>	<b>\$1,340,115</b>	

**Broward County Public Schools**  
**290 Stranahan Senior High School**

**Deficiency Detail**

11/17/2015 8:47 AM

Location: **Stranahan SHS**

**Deficiency:**

Assess ID **314504** Surveyor/Update  
Deficiency Code ID **A14-02**  
Status **Estimated** FCI **Yes**  
Life Cycle

Deficiency **Aluminum Covered Walkways Require Replacement**  
Category **Capital Renewal** System **Roofing**  
Priority **2-Indirect Impact to Mission (1 Year)** Functional Adequacy **Non Related**  
Correction **Replace Aluminum Walkway** Quantity / UoM  
Project(s) Note **Originally part of roof replacement deficiency. Pulled out separate to reflect covered walk canopy pricing.**

**Estimate:**

Type	Number	Description	Qty	UoM	Price	Extension
U	074113100600	Aluminum roof panels, corrugated, on steel frame, painted, .018" thick	15,451	SF	3,71	\$57,323
<b>Sub Total</b>						<b>\$57,323</b>
					Construction Adjustment	35% 19,777
<b>Construction Cost</b>						<b>\$77,100</b>
					Adjustment Factor	0% 0
					Soft Cost Adjustment	42% 32,721
<b>Total Estimated Amount</b>						<b>\$109,821</b>





**Attachment H**  
**The School Board of Broward County, Florida**  
**Office of Facilities & Construction**  
**3775 S.W. 16<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33312**

(754) 321-1500

**Consultant's Authorization To Proceed**

Project No.: _____	Date: _____
Location No.: _____	SBBC P.O. No.: _____
Project Title: _____	Line No.: _____
Facility Name: _____	Project Manager: _____
Project Consultant: _____	Dir. Capital Planning & Programming _____

Under the provisions of your contract for professional services, you are hereby authorized to proceed with the following services for the project referenced above.

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Schematic Design | <input type="checkbox"/> Design Development                   | <input type="checkbox"/> Construction Documents |
| <input type="checkbox"/> Bidding          | <input type="checkbox"/> Construction Contract Administration | <input type="checkbox"/> Warranty               |
| <input type="checkbox"/> Other Services:  | Attached: _____   |   |

This Authorization to Proceed is subject to the following attachments:

- Attachments:  Professional Services Required  
 Project Schedule  
 Professional Fees  
 Previous ATP's

The scope of the required services is specified on the Professional Services Required with a Fixed Limit of Construction Cost (FLCC) for this project as indicated below:

Original FLCC	Current Cost Estimate	Revised FLCC by ATP
_____	_____	_____

The following professional services will be provided by the Project Consultant as a normal part of its Basic Services for the Project listed above:

Item	Discipline	Description
------	------------	-------------



**Attachment H**  
**The School Board of Broward County, Florida**  
**Office of Facilities & Construction**  
**3775 S.W. 16<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33312**

(754) 321-1500

**Consultant's Authorization To Proceed (Term Contracts) Cont.**

Project Schedule

Project No. & Location No.: \_\_\_\_\_ Project Title: \_\_\_\_\_

Facility Name: \_\_\_\_\_  
 Project Consultant: \_\_\_\_\_

The required project schedule milestones for this project are presented below. (Mandatory)

ACTIVITY	Date Required Or Estimated Time Period	
	Start	Finish
Schematic Design		
Design Development		
Construction Documents Development		
50% Construction Documents		
100% Construction Documents		
Bidding and Award of Contract		
Time for Permitting of Submittals, Prior to the Issuance of the Construction NTP (Part of Contract Administration)		
Construction		
Warranty		



**Attachment H**  
**The School Board of Broward County, Florida**  
**Office of Facilities & Construction**  
**3775 S.W. 16<sup>th</sup> Street**  
**Fort Lauderdale, Florida 33312**

(754) 321-1500

**Consultant's Authorization To Proceed (Term Contracts)**

Professional Fees

Project No. & Location No.: \_\_\_\_\_ Project Title: \_\_\_\_\_

Facility Name: \_\_\_\_\_  
 Project Consultant: \_\_\_\_\_

Phase	Original Basic Fee	Fee Authorized by ATP	Fee Previously Paid	Fee Balance
I (SD) (5%)		%	%	%
II (DD) (10%)		%	%	%
III (CD) (35%/60%)		%	%	%
IV (BID) (65%)		%	%	%
V (CA) (98%)		%	%	%
VI (Warr) (100%)		%	%	%
Other Service Item No. 1		%	%	%
Other Service (Item No. 2)		%	%	%
Other Service (Item No. 3)		%	%	%
Other Service (Item No. 4)		%	%	%
<b>Total:</b>				

Payment for these services shall be made In accordance with the provisions of the Professional Services Agreement.

<b>Approved By Consultant</b>				<b>Recommended By SBBC</b>			
Name: _____				Name: Shelley N. Meloni			
Title: _____				Title: Director, Pre-Construction			
Signature: _____	_____	Date: _____	_____	Signature: _____	_____	Date: _____	_____
<b>Certified By SBBC</b>				<b>Approval by SBBC</b>			
Name: _____				Name: Leo Bobadilla			
Title: _____				Title: Chief Facilities Officer			
Signature: _____	_____	Date: _____	_____	Signature: _____	_____	Date: _____	_____

This document is part of the Professional Services Agreement between The School Board of Broward County, Florida (Owner) and the Design Professional and is incorporated by reference into the terms and conditions of that agreement.