

The School Board of Broward County, Florida  
Facilities and Construction Management

SUMMARY OF CHANGE ORDERS

Meeting Date: 06/04/02

EXHIBIT 1

**1. 'X' Elementary Replacement ()**

**TOTAL: \$ 382,480**

New School

**CHANGE ORDER NO. 01**

PROJECT NO. 3761-99-01

Financial Impact: \$182,480

Consultant: Zyscovich, Inc.

Contractor: Danville-Findorff

**Owner Request:**

Grant 45 Days to Contract

**\$ 382,480**

Item No. - 011 Provide new turning lanes and approach from State Road 84 (US 441) to school. (\$382,480 )

**Consultant Error:**

\$ 0

**Unforeseen:**

\$ 0

**The School Board of Broward County**  
**Division of Facilities and Construction Management**

**Change Order Summary**

**Facility Name:** Elementary School "X" **Date:** 05/10/02

**Project Title:** New School **Project #:** 3761-99-01

**Contractor:** Danville & Findorff Inc  
**Consultant:** Zyscovich Inc  
**Sub Consultants:**  
**Mechanical:**  
**Structural:**  
**Electrical:**  
**Plumbing:**  
**Civil Engineer:**  
**Landscape:**

**Original Contract Amount** \$11,508,000

<b>Change Order Items</b>		
Consultant Errors:	<u>\$0</u>	0.00% of original contract amount
Owner Request:	<u>\$0</u>	0.00% of original contract amount
Unforeseen:	<u>\$0</u>	0.00% of original contract amount
<b>Subtotal:</b>	<u>\$0</u>	0.00% of original contract amount

<b>Construction Change Directives</b>		
Consultant Errors:		0.00% of original contract amount
Owner Request:	<u>\$382,480</u>	3.32% of original contract amount
Unforeseen:		0.00% of original contract amount
<b>Subtotal:</b>	<u>\$382,480</u>	3.32% of original contract amount
<b>Total:</b>	<u>\$382,480</u>	3.32% of original contract amount

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**SUMMARY OF CHANGE ORDERS**

Meeting Date: 06/04/02

**2. Broward Estates Elementary School**

**TOTAL:**      \$ 22,702

Class Size/Steel Modular

**CHANGE ORDER NO. 02**

PROJECT NO. 0501-21-01

Financial Impact: None

Consultant: ACAI Associates, Inc.

Contractor: Decon Environmental & Eng.

**Owner Request:**

Grant 10 Days to Contract

\$ 18,152

Item No. - 005 Add one storage closet and one tackboard per classroom. (\$18,152 )

**Consultant Error:**

\$ 0

**Unforeseen:**

Grant 5 Days to Contract

\$ 4,550

Item No. - 004 Relocation of existing water line. Unknown water line discovered under new building was relocated. (\$4,550 )

**The School Board of Broward County**  
**Division of Facilities and Construction Management**

## Change Order Summary

**Facility Name:** Broward Estates Elementary      **Date:** 05/13/02

**Project Title:** 8 Classroom Modular Addition      **Project #:** 0501-21-01

**Contractor:** DECON Environmental & Engineering, Inc.  
**Consultant:** Spillis Candela & Partners, Inc.  
**Sub Consultants:** ACAI Associates, Inc.  
**Mechanical:** Delta G Consulting Engineers  
**Structural:** Tom Kelaher, P.E.  
**Electrical:** Delta G Consulting Engineers  
**Plumbing:** Delta G Consulting Engineers  
**Civil Engineer:** Craven Thompson Associates, Inc.  
**Landscape:** Craven Thompson Associates, Inc.

**Original Contract Amount** \$777,250

**Change Order Items**

<b>Consultant Errors:</b>		0.00% of original contract amount
<b>Owner Request:</b>	<u>\$18,152</u>	2.34% of original contract amount
<b>Unforeseen:</b>	<u>\$4,550</u>	0.59% of original contract amount
<b>Subtotal:</b>	<u>\$22,702</u>	2.92% of original contract amount

**Construction Change Directives**

<b>Consultant Errors:</b>		0.00% of original contract amount
<b>Owner Request:</b>	<u>          </u>	0.00% of original contract amount
<b>Unforeseen:</b>	<u>          </u>	0.00% of original contract amount
<b>Subtotal:</b>	<u>\$0</u>	0.00% of original contract amount

**Total:** \$22,702      2.92% of original contract amount

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**SUMMARY OF CHANGE ORDERS**

Meeting Date: 06/04/02

**3. Norcrest Elementary School**

**TOTAL:      \$ 154,983**

Phased Replacement      Phase II Master Plan

**CHANGE ORDER NO. 05**

**PROJECT NO. 0561-94-02**

**Financial Impact: \$154,983**

**Consultant:** RHA Chartered

**Contractor:** Padula & Wadsworth Construction

**Owner Request:**

**Grant 56 Days to Contract**

**\$ 137,927**

Item No. - 039 Provide a paved bus loop from N.E. 17th Avenue to N.E. 40th Court with a sliding gate at the entry and exit area. Provide a covered bus shelter within the bus loop. In addition, provide a new covered walkway from the bus loop to the intersection of the East and West wing of the new school facility. Electrical lighting to be provided for the bus shelter and connecting covered walkway. (\$137,927 )

**Consultant Error:**

**Grant 71 Days to Contract**

**\$ 17,056**

Item No. - 040 Provide a sump pit area in the existing elevator pit. Provide an aluminum plain surface grate cover over sump pit area. Provide a frame for grate support. (\$857 )

Item No. - 041 Provide a siamese fire department connection after the fire hydrant and before the tee to the building. Section of revised water and sewer plan showing siamese connection location previously provided for clarification. (\$5,051 )

Item No. - 042 Provide the sinks with bubblers to be set at 26" to 30" maximum to bubbler. This will conform with SREF 1997 in lieu of SREF 1994. (\$9,602 )

Item No. - 043 Provide wireguard light covers for the strip light fixtures in various locations per UBCI request. (\$1,546 )

**Unforeseen:**

**\$ 0**

The School Board of Broward County  
Division of Facilities and Construction Management

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## Change Order Summary

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Facility Name:	Norcrest Elementary	Date:	05/02/02
Project Title:	Classroom Addition	Project #:	0561-94-02

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Contractor:	Padula and Wadsworth Construction, Inc.
Consultant:	RHA Chartered, Architects
Sub Consultants:	
Mechanical:	RHA Chartered, Architects
Structural:	RHA Chartered, Architects
Electrical:	RHA Chartered, Architects
Plumbing:	RHA Chartered, Architects
Civil Engineer:	Holland Engineering, Inc.
Landscape:	LACC, Inc.

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**Original Contract Amount** \$4,669,000

**Change Order Items**

Consultant Errors:	\$128,085	2.74% of original contract amount
Owner Request:	\$208,321	4.46% of original contract amount
Unforeseen:	\$7,064	0.15% of original contract amount
<b>Subtotal:</b>	<b>\$343,470</b>	<b>7.36% of original contract amount</b>

**Construction Change Directives**

Consultant Errors:		0.00% of original contract amount
Owner Request:		0.00% of original contract amount
Unforeseen:		0.00% of original contract amount
<b>Subtotal:</b>	<b>\$0</b>	<b>0.00% of original contract amount</b>

**Total:** \$343,470 7.36% of original contract amount

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**SUMMARY OF CHANGE ORDERS**

Meeting Date: 06/04/02

**4. Piper High School**

**TOTAL:      \$ 110,366**

24 Classroom Addition

**CHANGE ORDER NO. 01**

PROJECT NO. 1901-98-01

Financial Impact: None

Consultant: James M. Hartley, Architects

Contractor: Di Pompeo Construction Corporation(DCC)

**Owner Request:**

\$ 0

**Consultant Error:**

\$ 4,095

Item No. - 003 Furnish and install one flammable cabinet and increase Zone 2 uplift area. As a result of the final Phase III review, a flammable storage cabinet must be added to the Science Preparation and Storage Room. Also, it was determined the Zone 2 uplift area shown for a portion of the roof was not the correct size and needed to be increased. (\$1,446 )

Item No. - 006 Furnish and install miscellaneous revisions. The various revisions were a result of revisions made during the construction of another project of the same design at Plantation High School. The addition to Plantation High bid after this project bid and was essentially completed before this project started due to a bid protest beyond our control. The revisions are required for the proper completion of the project. (\$2,649 )

**Unforeseen:**

Grant 23 Days to Contract

\$ 106,271

Item No. - 005 Furnish and install revisions to the water and sewer and drainage plans. As a result of the City of Sunrise review of the 12" water and sewer drawings, the City is requiring a double detector check valve be added to the water main to privatize the system. In initial discussions with the City during Design Develop of the project, the City was not interested in privatizing the water line. Additionally, the building was moved north to eliminate the need to reroute a portion of the existing 12" water line on size so as not to delay the project due to the lengthy time for obtaining approval from the City of Sunrise. (\$33,530 )

Item No. - 008 Furnish and install spray fireproofing material to the structural steel roof trusses, joists and decking as requested. As a result of Phase III R2 review of the contract documents, which occurred about 18 months after the project was bid, it was determined the roof structure was required to be 1-hour fire protected. The building was originally designed under an older code that did not require the incombustible roof structure to be 1-hour fire protected. (\$72,741 )

**The School Board of Broward County**  
**Division of Facilities and Construction Management**

**Change Order Summary**

**Facility Name:** Piper High School **Date:** 05/31/02  
**Project Title:** 24 Classroom Addition **Project #:** 1901-98-01

**Contractor:** DiPompeo Construction Corp  
**Consultant:** James M Hartley, Architects  
**Sub Consultants:** \_\_\_\_\_  
**Mechanical:** \_\_\_\_\_  
**Structural:** \_\_\_\_\_  
**Electrical:** \_\_\_\_\_  
**Plumbing:** \_\_\_\_\_  
**Civil Engineer:** \_\_\_\_\_  
**Landscape:** \_\_\_\_\_

**Original Contract Amount** \$3,500,000

**Change Order Items**

<b>Consultant Errors:</b>	<u>\$4,095</u>	0.12% of original contract amount
<b>Owner Request:</b>	<u>\$0</u>	0.00% of original contract amount
<b>Unforeseen:</b>	<u>\$106,271</u>	3.04% of original contract amount
<b>Subtotal:</b>	<u>\$110,366</u>	3.15% of original contract amount

**Construction Change Directives**

<b>Consultant Errors:</b>	_____	0.00% of original contract amount
<b>Owner Request:</b>	<u>\$0</u>	0.00% of original contract amount
<b>Unforeseen:</b>	_____	0.00% of original contract amount
<b>Subtotal:</b>	<u>\$0</u>	0.00% of original contract amount

**Total:** \$110,366 3.15% of original contract amount

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Meeting Date: 06/04/02

**5. Westglades Middle ( LL) (Parkland)**

**TOTAL:      \$ 219,819**

New Middle School

**CHANGE ORDER NO. 02**

PROJECT NO. 3611-22-01

Financial Impact: None

Consultant: Spillis Candela & Partners, Inc.

Contractor: Betancourt, Castellon Assoc., Inc.

**Owner Request:**

\$ 70,372

Item No. - 018 Provide framing over continuous insulation in lieu of "Z" furring and insulation to comply with the School Board of Broward County's standards. The method of exterior wall furring and insulation installing was revised to comply with SBBC standards as requested by the owner. (\$63,753 )

Item No. - 022 Add (8) TV outlets in room #201A. This was generated in response to SBBC Design Review Comments. (\$6,619 )

**Consultant Error:**

Grant 14 Days to Contract

\$ 144,426

Item No. - 011 Add TB7 at building. This was inadvertently omitted from original contract drawings. (\$4,783 )

Item No. - 012 Install additional branch circuit in electrical panel and new EMS terminal cabinet. (\$20,402 )

Item No. - 013 Change main breaker lugs and panels. (\$10,228 )

Item No. - 014 Add new fire alarm heat detectors in various rooms. Also add new horn strobe in corridor. Fire alarm and heat detectors are required for code compliance and were inadvertently not included in contract documents. (\$5,119 )

Item No. - 015 Increase the window dimensions to provide the net free area for fresh air ventilation in accordance with the minimum specification requirements. All windows of the same style shall be of the same height, even in those rooms that do not have to comply with the above requirement. (\$9,429 )

Item No. - 016 Install FPL ductbank per directions by FPL. Install site underground duct per Bell South and CATV requirements. Additional ductbank must be provided for required primary electrical service, Bell South and CATV requirements. The exact tie-in locations of the services were not known prior to bid. However, the ductbank from the nearest property line to the electrical vault at building no. 4 was included in the contract. This Change Order Item represents the cost to add additional ductbank to the required FPL tie-in location.

**The School Board of Broward County, Florida  
Facilities and Construction Management**

**SUMMARY OF CHANGE ORDERS**

Meeting Date: 06/04/02

**5. Westglades Middle ( LL) (Parkland)**

(\$54,969 )

Item No. - 017 Various revisions and additions to Plumbing work required due to revisions issued. These changes were generated in response to SBBC Design Review Comments.

(\$15,605 )

Item No. - 019 Install smoke dampers in ductwork at corridor at various rooms. Install fire dampers in ductwork at various rooms. (\$4,034 )

Item No. - 020 Change method of drain connection at the science demonstration table sinks. The drain at the sinks shall tie in directly to the drain line below the floor in lieu of stopping the drain pipe above the floor drain. (\$2,391 )

Item No. - 025 Provide aluminum roof system in place of contract specified items in areas of wall mounted walkway covers at buildings 1 and 2, roof over stairs between buildings 1 and 2, (2) curved entry canopies inclusive of framework, attachments, and installation. Color to be clear anodized. (\$14,699 )

Item No. - 030 Provide 8" dryer vent including roof penetration and roof cap thus making a complete installation. Dryer vent inadvertently left off contract drawings. (\$1,291 )

Item No. - 024 Connect Type "K" lights to perimeter lighting and add (12) duplex floor outlets in room 201. Addition of (12) outlets is a design criteria change per SBBC. Type "K" lights were incorrectly drawn on original contract prints as connecting to interior lighting circuit. (\$1,476 )

**Unforeseen:**

Grant 6 Days to Contract

\$ 3,155

Item No. - 010 Addition of 2" thickness to roof slab over transformer vault per FPL requirements. (\$1,263 )

Item No. - 021 Add 6 days to contract time due to excessive rainfall as provided for in the contract documents. (\$0 )

Item No. - 023 Provide 8' x 8' full louver door per FPL requirements at transformer room in place of door specified in contract documents. (\$1,892 )

**CHANGE ORDER DIRECTIVE**

\$ 1,866

**Unforeseen:**

\$ 1,866

Item No. - 017 Add insulation at building no. 4 roof except over FPL vault (due to unforeseen

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**5. Westglades Middle ( LL) (Parkland)**

FPL requirements occurring after job was commenced, concrete roof had to be increased 2" in the area of the transformer vault). Adding 2" insulation to the rest of the roof was the least costly way to level the roof back out and insure that the integrity and functionality of the roof system would be maintained. (\$1,866 )

**The School Board of Broward County**  
**Division of Facilities and Construction Management**

**Change Order Summary**

**Facility Name:** Middle School "LL" **Date:** 10/19/01

**Project Title:** New School **Project #:** 3611-22-01

**Contractor:** Betancour-Castellon Associates, Inc.  
**Consultant:** Spills Candela & Partners  
**Sub Consultants:** Spills Candela & Partners  
**Mechanical:** Spills Candela & Partners  
**Structural:** Spills Candela & Partners  
**Electrical:** Spills Candela & Partners  
**Plumbing:** Spills Candela & Partners  
**Civil Engineer:** Craven Thompson & Associates  
**Landscape:** Craven Thompson & Associates

**Original Contract Amount**

\$17,339,000

**Change Order Items**

<b>Consultant Errors:</b>	<u>\$144,426</u>	0.83% of original contract amount
<b>Owner Request:</b>	<u>\$97,335</u>	0.56% of original contract amount
<b>Unforeseen:</b>	<u>\$5,494</u>	0.03% of original contract amount
<b>Subtotal:</b>	<u>\$247,255</u>	1.43% of original contract amount

**Construction Change Directives**

<b>Consultant Errors:</b>		0.00% of original contract amount
<b>Owner Request:</b>	<u>\$0</u>	0.00% of original contract amount
<b>Unforeseen:</b>	<u>1866</u>	0.01% of original contract amount
<b>Subtotal:</b>	<u>\$1,866</u>	0.01% of original contract amount

**Total:** \$249,121 1.44% of original contract amount

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